# From LAFAYETTE <br> World Leader in 2 and 4-Channel Hi-Fidelity Equipment <br> <br> The Fabulous LR-4000 

 <br> <br> The Fabulous LR-4000}

Most Sophisticated 4-Channel SQ Hi-Fi Receiver

## STORES FROM COAST-TO-COAST

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Mail Order and Sales Center
111 Jericho Turnpike Syosset, L.I., New York 11791


## Receivers

## Amplifiers <br> TO PLAY:

7ヨNNVHO-t
ЭI 7 HSSIG
OS
7ヨNNVHO-t


# The LA-975 can also be used as an independent high power 2-channel 

 Stereo Amplifier

## LaFayETTE LA-524 SQ Decoder/Auxiliary Amplifier



## Save <br> Up to 26.35 on Special LA-524 Packages for Converting to 4-Channel SQ



## 2 Criterion 100B Speaker Systems and the LA-524

## Only

 16050 SAYE18.75


LA. 524 and 2 Criterion 100 Speaker Systems. See Page 54 for description of Criterion 100B speaker systems. Shpg. Wt., 72 lbs,
99 P 92504 WXM No Money Down* ... Net 168.50

Stock No.
99 P 92512 WXM 99 P 52520 WXM 99 P $92538 W \mathrm{WM}$ 99 P $92546 W M$

## Package Consisting $0 f$ :

 LA-524 and 2 Criterion 25A Speaker Systems-Save $\$ 12.50$ LA. 524 and 2 Criterion 77 Speaker Systems-Save $\$ 16.85$ LA. 524 and 2 Criterion $4 X$ Speaker Systems-Save $\$ 23.20$ LA. 524 and 2 Criterion 88 Speaker Systems-Save $\$ 26.35$shpg. wt.
35 fos.
49 los.
89 los.
$74 \%$ 89 lbs. 743/4 ibs.

Het
112.45
151.00 208.75 236.50



SQ 4-Channel Records

 means of a patented SQ matrix circuit. The LR.
440 has this SQ matrix circuit built-in, making it
possible to play back all SQ 4 -channel records possible to play
using this receiver.
punos lauuruj-t pan!dad

 цд!м paposua Kile!jadsa spjojas lauueys-z ske|d 4 -channel information.
SQ 4-Channel FM Broadcasts
to Hold dəoə st!
$\begin{aligned} & \text { Built-in SQ matrix decoder permits reception } \\ & \text { ever increasing number of broadcasts of exciting } \\ & \text { new sa } 4 \text {-channel FM programs. }\end{aligned}$ Amplifier Power Output: Music Power $\pm 1 \mathrm{db} 200$ Amplifier at 4 ohms, 125 Watts at 8 ohms. RMS [Con-

 osz z-xn甘 pue 1 -xn 140 mV . Tape play mv . Crannel Separation: 60 db Output Impedance: 4 and 8 ohms. Tuner FMI 4 Gang Tuning

 -uy qpo6 pow \%oot te \% \% - jesuepuoj sulund sueg e sni ul-1!ng :euura



> Amplifiers for Two Different Stereo Program Sources Simultaneously!

- "ACRITUNE" Precision Visual FM Tuning

 phone lacks for both front androls include: front and rear panel Tape output jacks; 2 and 4 -channel
selector; front and rear channel push-button switches for WA sulzlu!ulu dol) and pue dapl!


 S6.69C Fon Optional Walnut Finish Wood Cabinet For LR-440. Net 21.95
21 P 01517 WX Shpg. Wt., 5 los. See Page 31 For LR- 4404 Channel Systems
Tapes, and FM Stereo Broadcasts!
 The deluxe Lafayette LR- 440 compatible 4 -channel AM/FM
receiver brings to your home the full original performance
in amazing dimensional depth. With it you can listen to the in ananded sound of 4 -channel recording, be it Discrete 4 channel 8 . Track Cartridge, Discrete 4 -channel rel-to-ree
tape, SQ 4-channel stereo quadraphonic records, and SQ 4tape,
Channel stereo FM Fboadcasts. In addition you can listen to
the derived 4 -channel sound from 2-channel sources the derived 4-channel sound from a-channe source
such as conventional stereo records, tapes and FM stereo
broadcasts. The LR-440 can also be used as two independent spadcasts. The re and control center supplying two different stereo sources simultaneously, i.e., record player and tuner,
plus remote speakers. The superb FM Stereo Tuner section



 Pushbutton Inputs


METER: Shows relative AM or
FM signal strength and tuning accuracy AUTOMATIC FM
STEREO INDICATOR: Lights
when when tuned to a slereo broadcast. "ACRITUNE" lights when receiver is lamp lights when receiver is
precisely tuned to an FM sta-
tion.

- See Page 23 for Full Details on Easy Pay Plan






## LAFAYETTE LA-44 170-Watt 4.CHANNEL Stereo Amplifier

Now you can hear the full performance in true dimensional depth, not just a part of it . . . from discrete 4-channel 8-track cartridges, and discrete 4 -channel reel-to-reel tapes. Features input for external 4 channel "SQ" Adapter to play popular, exciting 4-channel "SQ' records, no additional stereo amplifier is required. Designed for the utmost in compatlbility, the LA-44 also Incorporates the "Composer" clrcuit which derives rich 4-channel sound from your present conventional 2-channel stereo records, stereo tapes, and FM stereo broadcasts. In addition the LA-44 can be used as the heart of two completely independent stereo systems, supplying two different stereo programs to two different locations from two different stereo sources simultaneously, l.e., phono and tuner plus the llexibllity of additional remote speaker locations for each pair of channels. The LA-44 features a wealth of versatile controls to suit the most demandling acoustic requirements and personal tastes, i.e., separate volume controls for front left and front right channels, rear left and rear right channels; separate Bass and Treble controls for front and rear channels. Headphone jacks for front and rear channels; front and rear channel tape output jacks provided on both front and rear of amplifier chassis for your convenlence; a "Reverb" position for use with an external reverberation unit to the rear channels. The rear panel features input jacks for 2 -channel and 4 -channel stereo for tape playback, magnetic and ceramic phono, tuner, Auxillary I and Auxiliary II; main and remote speaker outputs for all four chan neis. Includes one switched and one unswitched convenience outlet. Operates on $105-120$ volts, $50 / 60 \mathrm{~Hz}$ AC. Size: $131 / 2 \mathrm{~W} \times 4 \mathrm{H} \times 91 / 2^{\prime \prime} \mathrm{D}$. Imported. Shpg. Wt., $161 / 2 \mathrm{fbs}$.
99 P 02537W No Money Down*
Net 164.95 LA. 44 plus SQ.M. Shpg. Wt.. 221/2 lbs
22 P 90526 WXM No Money Down*
Net 169.95
SQ-M 4-Channel Decoder. Snpg. wt., 4 ibs. 99 P 02768 No Money Down*


## Lafayette SQ-M 4. CHANNEL SQ DECODER

 ONLY 5.00 $\begin{gathered}\text { when purchased } \\ \text { with LA-4. }\end{gathered}$ See Page 12 for description of SQ-M. <br> \section*{4 AMPIFIERS <br> \section*{4 AMPIFIERS IN ONE} IN ONE}

## 4 AMPLIFIERS IN 1

## PLAY

Discrete 4-Channel Tapes
4-Channel SQ Records with Optional SQ Decoder

## DERIVE

4-Channel Sound From 2-Channel Stereo Records, Tapes, FM Broadcasts.

## PLAY

Discrete 4-Channel Tapes

4-Channel SQ Records with Optional SQ Decoder

## DERIVE

## 4-Channel Audio From

 Your 2-Channel Stereo Records, Stereo Tapes, and FM Stereo Broadcasts.
## AAA 2 YEAR CUARANTEE

See Page 415 for Details

## SPECIFICATIONS

Power output: 170. Watts $\pm 1 \mathrm{dbmusic}$ power, 100 -Watts RMS at 4 -ohms. THD ( 1 kHz , 8 ohms, 1 -Watt) $0.07 \%$. Frequency Response: $20-20,000 \mathrm{~Hz}, \pm 1.5 \mathrm{db}$. input Sensitivity: Phono Mag. 3.5 mV , Phono Cer. 125 mV , Tuner 500 mV , Tape Mon. 500 mV , Aux-1 \& Aux-2 250 mV . Channel Separation: 60db (1 $k H z, 8$-ohm spkr.)

## only $109_{\substack{\text { waits } \\ \text { cast }}}^{95}$ <br> afa 2 year guarantee <br> See Page 415 for Details

## SPECIFICATIONS

Power Output: 40 -Watts $\pm 1 \mathrm{db}$ at 8 ohrns. Frequency Response: $20-$ $20,000 \mathrm{~Hz}, \pm 1.5 \mathrm{db}$; Total Harmonic Distortion at $1 \mathrm{kHz}: 8$ ohms, 1 -watt, $0.125 \%$; Input Sensitivity: Aux 275 mV , Tuner 500 mV , Phono Mag. 3.5 mV , Phono Ceramic 125 mV ; Hum and Noise: Hi-level, 70 db , Low level, -55 db ; Channel Separation: 63db.

The Lafayette-Model LA- 2525 combines 4 outstanding amplifiers with 4 -channel control circuitry to reproduce discrete 4 -channel programs from 4 -channe| 8 -track tape cartridges and 4.channel reep-to-reel tapes. In addition, it plays the exclting new "Sa" 4-channel itereo Quadraphonic records with optional SQ 4-Channel decoder. Its "Composer' circuit derives rich four channel sound from your present 2 -channel stereo records, stereo tapes, and FM stereo broadcasts. You get much greater enjoyment from your 2 . channel stereo program sources, from the ever growing supply of 4 -channel SO stereo records and discrete 4 -channel tapes. The LA-2525 incorporates a full complement of front panel controls for selection of input
sources, 2-Channel and 4-Channel Functions, Front and Rear Speakers, Mono/Stereo Mode, Loudness, Hi Filter; and for varying the Volo ume of the left and right, front and rear channels, as well as the Bass and Treble of the front and rear channels. A headphone jack for 2 -channel stereo silent listening is also included. The rear panel includes Aux, Tuner, and Phono inputs, Tape Record inputs and outputs as well as speaker outputs. Operates on $105-120$ VAC, $50 / 60 \mathrm{~Hz}$. Size: $43 / 8 \mathrm{H} \times 131 / 2 \mathrm{~W} \times 83 / 4=1 \mathrm{D}$. Imported. Shpg. Wt., 14 lbs.
99 P O2628W No Money Down* .... Net 109.95
See Page 37 for LA- 2525 Matched MoneySaving Stereo Systems.

## It's EASY to Convert Your Present Stereo System to Play:

SQ
4-CHANNELDISCRETE
4-CHANNEL DERIVED 4-CHANNEL

## - A 2-CHANNEL STEREO SYSTEM REQUIRES ADDING AN SQ DECODER, AN ADDITIONAL STERED AMPLIFIER, AND 2 MORE SPEAKERS

## - 4.CHANNEL SYSTEMS NOT INCORPORATING SQ CIRCUITRY ONLY REQUIRE AN Sa DECODER

## Deluxe LAFAYETTE SQ-L 4-Channel SQ Logic Decoder



## 909 <br> CONNECTING CABLES

- Advanced SQLogic Circuitry Increases Front-to-Back Separation
- 2 Input Sensitivity Controls
- 4-Channel Tape Output And Input Jacks
- Master Gain Control For All 4-Channels Of Amplification

A deluxe SQ Decoder featuring highly advanced logic circuitry for playing the new 4-channel Quadraphonic Records developed by Columbia. The so 4 -channel record provides 4 separate channels of information, one for each of the 4 -speakers. The 4 channels are distinct and different, one from another, resulting in absolutely the most realistic and brilliant sound you've ever heard in your listening area. In 4-channel SQ reproduction, the use of SQ logic circuitry increases the vital center front-to-back separation as well as vastly increasing rear channel separation. SQ records can also be broadcast on FM stereo radio and received in the home when using the SQ-L Decoder. The SQ-L features direct inputs for discrete program sources, 4.channel

Tape Recorder Input and Output jacks, 2 input sensitivity controls on the rear panel, and an $A C$ convenience outlet. A Master Gain Control on the Sa-L Decoder adjusts the sound level for all 4-channels, also includes the exclusive Lafayette "Composer" circuit for deriving 4 -channel sound from conventional 2 -channel records, tapes, and FM broadcasts. The Composer also makes the SQ- compatible with all other 4 -channel matrix circuits. SQ.L Decoder must be used with amplifiers or receivers incorporating a Tape Monitor feature: Size: $3 H \times 8^{11 / 6 \times 8} / 8^{\prime \prime} \mathrm{D}$. For $105.120 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. Imported. Shpg. wt., 9 lbs .

99 P 02776W No Money Down* $\qquad$ Net 79.95

## LAFAYETTE SQ-M 4-Channel SQ Decoder



# $44^{95}$ <br> WITH ALL CONNECTING CABLES 

The SQ-M is an inexpensive SQ Decoder for converting your present Hifi system to play the new exciting 4-channel SQ records developed by Columbia. Includes Master Gain Control to adjust the sound level for all 4 channels of amplification. Incorporates a magnetic phono input for use with amplifiers or receivers that do not have a magnetic phono input feature. A 2-channel stereo system requires adding an additional stereo amplifier, 2 more speakers, and the SQ-M Decoder. Present $4-$ thannel systems not incorporating SQ circuitry only require an

SQ-M Decoder. FM 4-channel broadcasts in SQ can be received by your present system with the aid of the SQ-M Decoder. Alsn features the Lafayette "Composer" circuit for deriving 4 -channel sound from 2-channel tapes, records, and FM Broadcasts. The "Composer" is also compatible with all other 4 -channel matrix circuits. Size: $6 \mathrm{~W} \times 27 / \mathrm{sH}^{2} \times 71 / 4 " \mathrm{D}$. For 105.120 VAC , $50 / 60 \mathrm{~Hz}$. Imported. Shpg. wt., $41 / 4 \mathrm{lbs}$.

99 P 02768 No Money Down*
Net 44.95
${ }^{\circ}$ See Page 23 for Full Details on Easy Pay Plan

# CONVERT to a DERIVED 4-Channel Stereo System with the LAFAYETTE QD-4 4-Channel Adapter 



- Derive 2 Extra Channels From Your Records, Tapes, and FM Broadcasts
- Does Not Require An Additional Stereo Amplifier
- Features Exclusive Lafayette Geared Control Mechanism

Add the Lafayette 4.Channel Stereo Adapter and two additional speakers to any existing stereo amplifier or receiver and enjoy multi-dimensional derived 4 -channel stereo sound from regular 2-channel stereo records, tapes, and FM broadcasts. The QD-4 adapter actually recovers "reflected" sounds that already exist on regular stereo recordings but are "hidden" during conventional 2-channel stereo playback. During a stereo recording session, 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 QD-4 recovers these "reflected" sounds and reproduces them thru two additional rear speakers along with the direct sound from the existing front speakers.

This adds a dramatic new dimension to all existing 2-channel stereo programs. Unlike other matrix adapters, the Q0.4 preserves full channel separation and does not require an additional stereo amplifier. Connects to any standard stereo amplifier or receiver and 4,8 , or 16 ohm speakers. The adapter has a 4 -position Function switch (Balance, 4.CH, Front Speakers, Rear Only), plus a Rear Level Control. Phono jacks on rear for easy hook-up to 4 speakers and amplifier/receiver. 3 pairs of cables supplied. One 6 ft . pair for adapter to receiver, one 15 ft . pair for adapter to front speakers, one 25 ft . pair for adapter to rear speakers. Dimensions: $533 / 4 \mathrm{~W} \times 4 \% \mathrm{D} \times 2 \% / \mathrm{m}^{\prime \prime} \mathrm{H}$. Im ported. Shpg. wt., $43 / 4 \mathrm{lbs}$.

# Convert Your 2-Channel System to a Derived 4-Channel Stereo System with the QD-4 Adapter and 2 More Speakers 

> 2 Criterion 25A Speaker Systems and the QD-4


SAVE $7^{00}$

## 2 Criterion 50A Speaker Systems and the QD-4

 Complete

From Individual Catalog Prices
Complete
Package
95


From Individual
Catalog Prices


|  |  |  |  |
| :---: | :---: | :---: | :---: |
| with ACRITUNE Precision Tuning Indicator \& COMPUTOR-MATIC Automatic Overload Protection |  |  |  |
| $\pm 1$ db. FM SECTION: 4 Gang Tuning condenser. Tuning $\begin{array}{ll}\text { ns. Total } & \text { Range: } 88108 \mathrm{MHz} \text {, IHF FM Sensitivity } 1.5 \mathrm{HV} \text {. } \\ \text { der } 1 \% ; & \text { Capture Ratio: } 1.25 \mathrm{db} \text {. Selectivity: } 50 \mathrm{db} \text {. FM }\end{array}$ $0-20,000$ Capture Ratio: 1.25 db . Selectivity: 50 db. FM $000 \mathrm{~Hz} \quad 40 \mathrm{db}(\mathrm{Cl} 400 \mathrm{~Hz} . \mathrm{Sz} / \mathrm{N}$ Ratio ( $100 \%$ Modulation): db; Low 75 db . Spurious Response Rejection: 95 db . Cross300 ohms balanced input for external antenna. L); Mag modulation Index: 90 db . Antenna Impedance: AM SECTION: 3 Gang Tuning Condenser. Tuning Range: $535-1605 \mathrm{kHz}$. Ext. Antenna Sensitivity: $15 \mu \mathrm{v}$. |  |  |  |
|  | Softly Illuminated D'Arsonval Signal Strength Meter Permits Fast Accurate funing on FM \& AM and Acritune Indicator Light Assures Foolproof Accuracy on FN Tuning. <br> A fool-proof switching circuit with stereo in dicating signal light automatically switch the receiver to either mono or stereo. |  |  |
|  | Revolutionary Four superior in the FM IF you of top perfo | grated Circuits. grated Circuits (IC's) ges provide excellent, oreption and assure | Sénsitive FM "Front End" With Field Effect Transistors. <br> Completely shielded FM. Front End" with and F.E.T. mixer plus a 4 -gang variable capacitor and four tuned circults assure top reception of mono stereo FM stations. |
| "Computor-Matic" . . . Fuseless Automatic Overload Protection for Audio Transistors Hundreds of times faster than a fuse, this special circuitry cuts off operation of the amplifier before damage can result. Percause of overload is removed. <br> and F.E.T. mixer plus a 4 -gang variable capacitor and four tuned ception of mono or stereo FM stations. |  |  |  |









 5
0.5
0
0 Which permits enjoyment of stereo in one or two rooms
separatey or simultaneously; direct tape monitor switch separately or simultaneousiy; direct tape monitor switch
and tape monnitor jeweled indicatoliight for tape monitoring
without changing cable connections a front panel stereo







 $9661 \varepsilon$ ¥コN Attractive Oiled Walnut Wood Cabinet for LR-1500TA.
21 P 01582 W Shpg. wt., $81 / / \mathrm{lbs}$.

$$
\begin{aligned}
& \text { OTA. } \\
& \text { Net }
\end{aligned}
$$

 (70 Watts $\times 2)_{;}$at 4 ohms
IHF FM Sensitivity $1.5 \mu \mathrm{~V}$

Automatic Stereo FM Switching

 Built-in AM and FM Antennas

- Illuminated Selector Function Indicator Jewels - Exclusive Front and Rear Panel Tape Output Jacks Proper Tuner/Amplifier Operation


 "Computor-Matic". Fuseless Automatic
Overload Protection for Audio Transistors Hundreds of times faster than a fuse, this







## An Introduction to 4-Channel Sound

4-Channel Sound is the latest advancement in recording technology. 4 channels make recorded sound more natural and realistic than ever before. Four channel stereo makes you more of a participant in music than has ever been possible. Never before could you actually reproduce in your home the original recorded performance as it happened-you can have the spatial quality of the original concert hall right in your own living room-or you can literally be placed in the middle of a folk or rock session with your favorite singer or group. 4 -channel stereo comes on tape, on records, and over the air via FM stereo broadcasts. There are 3 basic kinds of 4 -channel sound: SQ, Discrete, and Derived.

## (1) 4-Channel SQ

For the playback of 4-channel Phonograph Records, and the broadcast of 4 -channel sound via FM .
A method, developed by Columbia (CBS), of recording and playing back 4 separate channels of musical information on a phonograph record (disc). This is accomplished by a system of encoding 4 separate channels onto a stereo record groove. 4 -channel SQ records can be broadcast via FM stereo. Playback equipment with SQ circuitry decodes the original 4 channels and reproduces them through 4 separate amplifiers and 4 separate speakers. No special record changer or cartridge is required. There are 3 types of 4 -channel SQ circuits:

1-SQ-M
2-SQ Logic
3-SQ Wave Matching Full Logic
Each of the above/circuits, reproduce 4 -channel SQ sound by separating the 4 signals into front left, front right, rear left and rear right. The SQ-M is a matrix SQ circuit used in low power Lafayette amplifiers and receivers for producing the basic SQ 4-channel signals. The SQ logic circuit, used in moderately powered Lafayette equipment, increases the separation of the two rear channels while retaining full separation of the front channels and greatly increases the important center front to center rear separation. SQ wavematching full logic, found in high power Lafayette receivers, is a highly sophisticated circuit that provides the ultimate in 4-channel separation between all four channels, Conventional 2 -channel systems can be converted to 4-channeI SQ systems by adding a Lafayette SQ decoder/amplifier and 2 more speakers. 4-channel systems not incorporating SQ circuitry can be converted to 4 -channel SQ systems by adding a Lafayette SQ Decoder.

## (2) Discrete 4-Channel

A method presently limited to tape, in which the 4 separate signals are recorded onto 4 separate tracks, which in turn are played back by a 4 -channel tape machine. This form of 4 -channel sound is produced from any 4 -channel stereo tape, whether cartridge or reel (and, in all probability, in the not too distant future cassette). You require 4 channels of amplification and four speakers in addition to the 4 -channel tape machine.

## (3) Derived 4-Channel

Conventional 2-channel material-records, reel, partridge and cassette-whether played directly or when broadcast on FM stereo-contains special information not adequately reproduced by the conventional 2 -channel stereo system. This material is "Ambience"-the original acoustics of the recording studio or concert hall, etc. This ambience can be extracted and reproduced through 2 additional channels to recreate the sound and feel of the hall or studio in which the original performance took place. Most Lafayette equipment contains our exclusive "Composer" circuitry for deriving this type of 4-channel sound. If you now own a 2-channel stereo system without our Composer or other manufacturer's adapters, you may achieve derived 4 -channel 4 -dimensional sound by adding a Lafayette QD-4 adapter and 2 speakers. No additional amplifiers are needed.

## About Wattage Ratings of Amplifiers

Consideration is being given industry-wide, to the establishment of a standard method of designating wattage. This catalog uses the method of rating commonly in use for the past 3 years-i.e., $\pm 1 \mathrm{db}$. For your guidance we are publishing below a sample chart which gives the approximate equivalents of the various systems of rating for the same amplifier power.

Rating System
$\pm 1 \mathrm{db}$
IHF
RMS

Power Output
15 watts
12 watts
10 watts

RMS - (Root Mean Square) - defines an amplifier's continuous power capability with a pure tone of a single frequency.
IHF

- Measured in accordance with established Institute of High Fidelity Standards - defines an amplifier's complex wave forms power capability. Rating is usually $20 \%$ higher than RMS.
$\pm 1 \mathrm{db}$ - Used by most Hi-Fi manufacturers-rating is $25 \%$ higher than IHF.


# 3 CONVENIENT WAYS TO SHOP 

by mail
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 417 for helpful ordering information.

## in person

Visit any of our Stores listed below, or any of the over 300 Associate Stores from Coast to Coast. Consult your telephone Directory for the Store nearest you.

## and by phone

Enjoy the extra convenience of shopping by phone. Simply dial 516-9217500. Just give your C.O.D. or Master Charge order to our personal service shopper.


## Master Charge is now honored at all LAFAYETTE CompanyOwned Stores and Mail Order

## OUTSTANDING QUALITY

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

## LIBERAL GUARANTEES

 Buy with Confidence. See page 415 for Lafayette's Liberal Guarantees.
## WIDEST SELECTION

Widest selection of the finest hi-fi, stereo, components, systems, C.B., and radio electronic equipment is at your fingertips in the World's Largest Consumer Electronics Catalog.

## BETTER SERVICE

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

# MAIL ORDER and SALES CENTER 

## LOW PRICES

Low prices are assured by Lafayette's huge buying power combined with minimum overhead and operating costs. We try to price every item in this catalog to be as low or lower than the same merchandise in any other mail order catalog. We will meet any price you find lower than ours that is being honored by any competitor.

## 68 CONVENIENT SHOPPING LOCATIONS

| NEW YORK |  |  |
| :---: | :---: | :---: |
| BROOKLYN 2265 Bedford Ave. (tor. Snyder Ave.) <br> Phone: 212469.8900 | MANHASSET Northern Blvd. <br> NEW (next to W. J. Sloan) <br> Opening Fall 1972 | ROCHESTER-PITTSFORD <br> 3330 Monroe Ave. (Adj. Allantic Stores) Phone: 716 586-6331 |
| BUFFALO (Amherst) 3600 Sheridan Dr. <br> (At Millersport Hway.) <br> Phone: 716 833-2826 | MASSAPEQUA PARK 5288 Sunrise H'way <br> NEW <br> (Moys Shopping Center) <br> Phone: 516 799-1454 | SCARSDALE <br> 691 Central Ave. ( $1 / 2$ mile north of Ardsley Rd.) Phone: 914 472-2700 |
| BUFFALO (W. Seneca) 3001 Ridge Rd. NEW ( $1 / 2$ mile East of Seneca Moll) | (Opp. Mocy's Moll) <br> Phone: 914 235-5101 | STATEN ISLAND <br> Richmond Ave. at Richmond Hill Rd. |
| Phone: 716675.7887 | N.Y.C. 45 th STREET 49 West 45 St. | NEW Summer 1972 |
| HEMPSTEAD 120 N. Fronklin St. (2 blocks N. of Fulton Ave.) Phone: 516 538-6464 | (Between 5 th-6th Aves.) <br> Phone: 212 757-3121 <br> 17 Union Square West (cor. 15th St.) | SYOSSET(West of So. Oyster Brach Rd.) Turnpike <br> Phone: $516921-7700$ |
| JAMAICA $\quad 92-35$ Merrick Blvd. <br> NEW (Bet. Jomaico 8 Archer Aves.) <br> Phone: 212 291.7000 | Phone: 212 924-4433 <br> -WARREN ST. 45 Warren St. <br> (Between Church ond W. Broadwoy) <br> Phone: 212 964-0334 | SYRACUSE (WEST) 3548 W. Genesee St. <br> (Opp. Fairmont Fair) <br> Phone: 315488.4921 |
| LAKE GROVE 2848 Middle Country Rd. (RI. $25-1 / 4$ mile E. of Smithhaven Mall) Phone: 516 585-3600 | REGO PARK 95-20 Queens Blvd. (Opp. Alexander's \& Howard Johnson) NEW Phone: 212 897-1000 | SYRACUSE (EAST) 2544 Erie Blvd. East (Eost of Mider Ave.) Phone: 315 446-3800 |
| LYNBROOK 381 Sunrise Highway [2 miles Eost of Green Actes) Phone: 516887.9800 | ROCHESTER-IRONDEQUOIT 999 Ridge Road East [Corter St. exil of Keeler Expresswoy) Phone: 716 467-1310 | WESTBURY <br> 540 Old Country Rd. -Corner Ellison Ave. <br> (Opp. Oh rbach's fortunoff's <br> NEW Opening Summer 1972 |

## 68 CONVENIENT SHOPPING LOCATIONS

## OHIO

PENNSYLVANIA
Washington Pike
BRIDGEVILLE

## (Adj. Zayres)

(Great Southern Shopping Center) Phone: 412 221.7888

PITTSBURGH 4801 McKnight Road North Hills Village Shopping Ctr. Phone: 412 366-0810

MONROEVILLE
4045 William Penn Highway Monro Plaza Shopping Center Phone: 412 373-0060

PHILADELPHIA 8156 Ogontz Ave. Wyncofe (Cheltenham Township) (Opp. Cheltenham Shopping Center) Phone: 215 885-2140

KING OF PRUSSIA Routes 202 and 23 King of Prussia Shopping Center Phone: 215 265-3300

## LANCASTER

2152 lincoln Plaza (Adjoining Two Guys)
Phone: $717397-3681$

## MARYLAND

BALTIMORE/CATONSVILLE (N. of RT. 40) 1122 N. Rolling Rd.
Rotling Rd. Plaza Shopping Center
NEW Phone: 301 747-9000
GLEN BURNIE 316 S. Rirchie $H^{\prime}$ way Glen Burnie Shopping Center (So. of Old Annapolis Rd.) Phone: $301760-5700$

MT. RAINIER/HYATTSVILLE
3191 Queens Chapel Rd. (R+. 500) At Chillum Ave. Phone:- 301 779-7020

ROCKVILLE 824 Rockville Pike
NEW
(50. of Viersmill Rd.)

Phone: 301 762-8847
TOWSON
815 Taylor Avenue
(Loch Raven Ploza)
Phone: 301 825-7750
MARLOW HEIGHTS $\quad \$$. Barnabas Road
NEW
Opening fall 1972

## INDIANA

INDIANAPOLIS 4000 Georgetown Rd. (Opp. Lafayette Square Shopping Center)
NEW Phone: 317293.7443

## MISSOURI

ST. LOUIS/JENNINGS
8976 Jennings Station Rd.
(Adj. Layres-Opp. River Rd. Shopping Center)

$$
\text { Phone: } 314868-3055
$$

F. LOUIS/CRESTWOOD

N/W 922 Watson Rd.-Rt. 66
(Crestview Shopping Center)
Opening Summer 1972

MASSACHUSETTS

BOSTON
899 Boylston St.
NEW
\{0pp. Prudentiol Center)
Phone: 617 536.1995
BOSTON 584 Commonwealth Ave.
( $1 / 2$ block above Kenmore $5 q$.)
Phone: 617 267-8900
NATICK
1400 Worcester St.
(Rt. 9 opp. Shopper's World)
Phone: 617 875-6146
SAUGUS Rf. 1 \& Walnup St. Saugus Plaza Shopping Cenfer Phone: 617 233-6710

WEST ROXBURY 1530 V. F. W. Parkway
(1 mile north of Dedham Mall)
Phone: 617 327-0300

## CONNECTICUT

BRIDGE PORT Lafayetfe Plaza
MEW (Exit 27 on Conn. Tpke.)
Phone: 203 384-9337

HAMDEN 2100 Dixwell Ave.
(Hamden Plaza Shapping Center)
Phone: 203 248-2182
WEST HARTFORD 357 North Main St. Bishop's Corner Shopping Center Phone: 203 236-0693

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NEW Opening Summer 1972

## WOULD YOU LIKE TO OWN A LAFAYETTE ASSOCIATE STORE?

(See Insert Card next to Page 370)

# MAKE LAFAYYTTE YOUR ONE DEPENDABLE SOURCE FOR EVERYTHING IN ELECTRONICS 

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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 |
| 460.01 | 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 |
| 430.01 | 440.00 | 57.00 | 31.00 | 86.00 | 22.00 |
| 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 |

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| \$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 | 26.50 | 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 |

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* Derives Exciting 4 Dimensional Audio From Your 2-Channel Stereo Records and Stereo
* Plays 2-Channel Stereo Records and Stereo Tapes with Exceptional Clarity

Tape Monitor Circuit Permits Subsequent Addition - 2 Front Panel Microphone/Musical Instrument In
 crete 4Channel and 4-Channel SQ Program
Sources
 See Page 43 for Matched LA-150 2 -Channel and_4 Dimensional Stereo Systems

LaFAYETTE 100-WATT SOLID-STATE STEREO AMPLIFIER


and 4-Dimensional Speaker Mode, Remote/Main Speakers, and Loudness.
Rear panel features sterea Inputs for Aux., Tuner, and Phono; 2 AC con-
venience outlets (1 switched): Tape Output jack; Main Remote, and Rear Speaker terminals for 4 and 8 ohm speakers; and Low and High Level Rear Speaker switch that varies the volume level of the rear speakers in the 4 -
dimensional mode of operation. Styled for "today" with a brushed gold anodized extruded aluminum front panel, matching knobs, and a rugged vinyl-clad $\times 31 / 2 \mathrm{H} \times 83 / \mathrm{g}^{\prime \prime} \mathrm{D}$. For $105-120$ VAC, $50 / 60 \mathrm{~Hz}$ with AC power fuse. Imported.
Shpg, wt., $93 / 4$ ibs. 99 P 02602W No Money Down* See Page 45 for LA-375 2-Channel and 4 Dimensional Audio Systems. A popular stereo amplifier with built-in circuitry for deriving thrilling 4 . dimensional sound from your present 2 -channel stereo records, stereo tapes, and FM stereo broadcasts. Buit-in adapter circuitry permits two extra "rear" front main speakers. The LA-375 also plays conventional 2 -channel stereo
records, stereo tapes, and stereo FM broadcasts (from FM stereo tuners) with records, stereo tapes, and stereo FM broadcasts (from FM stereo tuners) with
outstanding reproductive quality. The LA- 375 will drive most speaker systems to maximum volume while ma intaining very good frequency response and low distortion. It features fused output transistors for protection against overloads, and front panel controls which include concentric Volume/Balance,
Treble and Bass, Input Selector for Aux., Tuner, Mag Phono, and Ceramic Phono. Also included are rocker switches for Mono/Stereo Mode, 2-channel


Speaker switch selects main stereo speak-
ers or remote stereo speakers
 REA ( SPEAKERS varies volume level
 of rear speakers in 4 -dimensional stereo operation

## "Stereo 10A" <br> Solid State Stereo Amplifier <br> Safayette ${ }^{\circ}$



Only
$29^{95}$

\author{

- Compact Size <br> - Neat Styling <br> - Big Performance
}

Attractive, neat styling, plus compact size and big performance characterize this moderately priced stereo amplifier. The "Stereo $10 A^{\prime \prime}$ is ideal for the hi-fi 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 $10 A^{\prime}$ " can be installed easily on a bookshelf or end table. It can be used with record players, AM, FM, and FM Stereo tuners. Solid-state circuitry 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 slide switches for Mono/ Stereo Mode, Power-On/Off and speakers-Main/Remote; stereo headphone jack for private listening; Power On Off Indicator light. Rear panel features: Left/Right channel inputs for phono, tuner and auxiliary; Left/Right channel outputs for main and remote speakers; switched AC convenience outlet. Beautifully finished brushed alumfnum front panel with complementary metal knobs and attractive metal case. Size: $9 \mathrm{~W} \times 31 / 2 \mathrm{H} \times 61 / 2^{\prime \prime} \mathrm{D}$. For $105-125 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. Imported, Shpg. wt.. 51/2 Ibs.
99 P 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 Mini bookshelf speaker systems with efficient $61 / 2^{\prime \prime}$ wide range speaker in handsome oiled walnut wood enclosure with speaker cable, Shpg. wt., 261/4 lbs.
22 P 90534WXM No Money Down*


Criterion 25A
" 96


This fine performing 2nd stereo music system consists of: Lafayette Stereo 10A stereo amplifier; Lafayette Model AC50B 4-speed automatic pushbutton stereo record changer wih stereo turnover ceramic cartridge and diamond LP needle; matching recgrd changer base; 2 Lafayette Criterion 25A 2-way 25 -watt speaker systems with extra efflcient $8^{\prime \prime}$ woofer and $21 / 2^{\prime \prime}$ tweeter in olled walnut finished enclosure. Complete with speaker cable. Shpg. wt., 391/4 Ibs. 21 P 93373 WXM No Money Down*

Net 96.95 escription of system components.

# LAFAYETTE 

- Inputs for Magnetic and Ceramic Cartridges
- Main/Remote Speaker Switch

Designed for exceptional reliability and performance at an unbelievably modest price. The LA-25 faithfully reproduces the full spectrum of audlo sound with more than adequate volume and very iow distortion. Its solid-state design, incorporating 18 quality transistors and 4 diodes assures top-notch performance with minimum heat. A full complement of controls is supplied for best stereo effects and per. mits you to "tailor" the sound to suit exacting personal tastes and acoustic variations. Its neatly designed front panel features rotary selector switches for Input Source (Aux, Tuner, Phono Ceramic, Phono Magnetic), Bass, Treble, and dual-concentric Volume/Balance. Also included on the front panel are rocker switches for Mode (Monol Stereo), Speakers (Remote/Main), and Power (On/Off) as well as

- Front Panel Stereo Headphone Jack
- Speaker Protection Fuses
a stereo headphones Phone lack for private Ilstenlng. The rear panel features stereo outputs for main speakers as well as for Remote speakers in the den, recreation room, patio area, etc.; input jacks for Aux, Tuner, Phono, and Tape Recorder; AC convenlence outlet; and $A C$ line fuse. For extra reliabillty, speclal fuses are used to protect the output transistors and speakers for each channel. Professionally styled to blend with any home decor, the LA-25 features a brushed gold anodized neatly contrasting extruded aluminum front panel, matching knobs, and vinyl-clad metal cabinet with the simulated look of rich walnut wood grain. Size: $105 / 6 \mathrm{~W} \times 31 / 2 \mathrm{H} \times 83 / 8^{\prime \prime} \mathrm{D}$. For $105-120 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$, Imported. Shpg. wt., 9 lbs. 99 P 02842W No Money Down*

Net 48.95

## SPECIFICATIONS

Power Output: Music Power $\pm$ ldb at 8 ohms: 30 watts; IHF: 24 watts at 8 ohms; RMS: 20 watts ( 10 watts $\times 2$ ) at 8 ohms. Frequency Response: $75 \cdot 20,000 \mathrm{~Hz}$ at 1, watt $\pm 1 \mathrm{db}$. Power Bandwidth at rated power: $55-25,000 \mathrm{~Hz}$. Total Harmonic Distortion: $1 \%$ ( 1 kHz at rated power), $0.25 \%$ ( 1 kHz at 1 watt). Sensitivity: Phono Mag. 3.5 mV ,

Phono Cer 250 mV , Aux 125 mV , Tuner 250 mV . Hum and Noise: Phono Maf - 55 db , Phono Cer, Aux, and Tuner - 65 db . Channel Separation: 55 db . Speaker Output: 8 ohms. Semiconductors: 18 Transistors, 4 Diodes.
See Page 46 for LA-25 Stereo Systems.

Wood Case

## - Automatic FM Stereo Switching and Stereo Indicator Light

- Switchable Automatic Frequency Control

Enioy AM/FM Stereo reception at an unbetievable low pricel Solidstate circuitry combines reliable design and sound electronic engineering to provide a level of performance that far exceeds the cost! Automatic multiplex circuitry instantly switches the tuner to stereo operation when stereo is being broadcast. A stereo indicator light gives instantaneous visual indication of stereo broadcasts. Switchable Automatic Frequency Control assures drift-free reception even on the weak stations. The ST- 20 also features an attractive front panel with rotary selector switches for Function Mode (AM,

- Attractive Wood Cabinet
- 11 Transistors, 13 Diodes, and 1 Varicap Diode

FM, AFC) and Tuning, as well as a large, easy-to-read AM and FM station dial with FM stereo indicator. A Power On/Off rocker switch is easily accessible on the front. The rear apron includes left and right output jacks as well as antenna terminals for internal AM ferrite bar antenna and for Internal and external FM antennas. Housed in fine looking wood cabinet. For 120 Volt, 60 Hz AC operation. Imported. Size: $97 / 16 \mathrm{~W} \times 3 \mathrm{~K}_{6} \mathrm{H} \times 6^{\prime \prime} \mathrm{D}$.
Shpg. Wt., $4 y / \mathrm{a}$ los.
99 P 02917W No Money Down*
Net 34.95

## SPECIFICATIONS

FM SECTION: Range: $88-108 \mathrm{MHz}$. Sensitivity: 7.5 mV for 30 db of quleting. Total Marmonic Dlstortion: $1 \%$ or less. MPX Separation at $1 \mathrm{kHz}: 25 \mathrm{db}$. $\mathrm{S} / \mathrm{N}$ Ratio: 55 db . IF Rejection: 75 db . AM Suppression:

40db. Output Voltage: 150 mV (Average). AM SECTION: Sensitivity: $200 \mu \mathrm{~V} / \mathrm{m}$ for $20 \mathrm{db} \mathrm{S} / \mathrm{N}$. Image Rejection: 35 db .

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



# Designed For Performance.. ...Styled for Distinction! 

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

The Lafayette LT-725A establishes pace-setting standards for excellence in performance, flexiblity of controls, ease of operation, and convenience. Its distinctive styling will complement any home decor. Yet with all these features it is priced within the budget of the music lover who seeks superior performance and design at a moderate cost. In addition to high performance and unique circuit design, the LT-725A boasts an ultra-modern exterior with space-age styling. The most striking of these is the elegant ebony face-plate with gold 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 Switch for minimum noise while tuning FM stations, FM/AM reception, and tuning meter for center channel tuning and signal strength indication. There are tape output jacks at the rear and front paneis; and rear inputs for external FM and AM antennas. Complete with builtin FM and AM antennas, AC fuse holder and grounding post. Output suitable for any quality stereo amplifier Size: $12 \mathrm{~W} \times 33 / 4 \mathrm{H} \times 91 / 8^{\prime \prime} \mathrm{D}$. Imported. For $105-120$ Volts AC, $50 / 60 \mathrm{~Hz}$. 99 P 02297 W Shpg. wt., 13 lbs.

## SPECIFICATIONS

FM SECTION: 4 Gang Tuning Condenser. Range: $88-108 \mathrm{MHz}$. Sensitivity: $1.7 \mu \mathrm{v}$. Harmonic Distortion: @ $400 \mathrm{~Hz}, 100 \%$ modulation: $0.25 \%$. Selectivity: 50db. Cepture Ratio: 1.5 db . Stereo Separation: $40 \mathrm{db} @ 400 \mathrm{~Hz}$. Cross Modulation Index: 90 db . Sig-nal-to-Noise Ratio: 75 db ( $100 \%$ Mod.) Image Rejection: 80 db . External Antenna Impedance: 300 ohms balanced. AM SECTION: 3 Gang Tuning Condenser; Range: $535-1605 \mathrm{kHz}$. Sensitivity (An. tenna Terminal): 20 kv .

## $139^{95}$

No Money Down*
4 IC's, 2 FET's, 14 Transistors, 19 Diodes

## AAA 2-YEAR GUARANTEE

See Page 415 for Details

## OUTSTANDING FEATURES



Illuminated Signal Strength Tuning Meter for normal and center scale tuning of FM and AM stations.

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


Tape Out Front and rear tape output jacks for recording through your tape recorder.

Pushbutton Func. tion Switches for Signal Strength on AM and FM on A Center Chan-
nel Tuning on FM; Stereo/Mono mode; MPX High Frequency Filter; FM Mute and Selector Button for AM or FM reception.

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



## Amazing Low Price

## ony $89^{95}$

No Money Down*

## 1 IC, 18 Transistors, 23 Diodes

Enjoy the full measure of high priced AM/FM stereo reception at an "Amazingly" low price. Solid-state circeitry combines advanced design and electronic principles to provide a level of performance that far exceeds the cost! 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. "Acritune" circuitry causes the Acritune indicator to light when accurately tuned to an FM station. Activation of "Mute" switch results in minimum interstation noise when tuning FM stations. Every control feature for outstanding performance has been included: switchable (On/Off) MPX FILTER for reduction of external interference on FM stereo; a MODE selector (Mono or Stereo); and a SELECTOR for AM or FM reception. There are even tape output jacks 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 brushed aluminum front panel and knobs. For 105/ 120 VAC .; $50 / 60 \mathrm{~Hz}$. Imported. Size: $105 / 8 \mathrm{~W} \times 31 / 2 \mathrm{H} \times 83 / \mathrm{B}^{\prime \prime} \mathrm{O}$. 99 P 02495W Shpg. wt., $121 / 4$ lbs.
..Net 89.95

## SPECIFICATIONS

FM SECTION: 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 . Capture Ratic: 5 db . Stereo Separation: 30 db @ 400 Hz , Signal-to-Noise Ratio: 50 db ( $100 \%$ mod.). Image Rejection: 50 db . Tape Output Level: Average 350 mv ., 1 Volt max. External Antenna Impedance: 300 ohm balanced. AM SECTION: 3.Gang Tuning Condenser. Range: $535-1605 \mathrm{kHz}$. Sensitivity (Antenna Terminals): $20 \mu \mathrm{~V} . \mathrm{S} / \mathrm{N}: 40 \mathrm{db}$ @ 1 mV input.

## AAA 2-YEAR GUARANTEE

See Page 415 for Details

- ACRITUNE for Visual FM Tuning Accuracy
- Automatic FM Stereo Switching and Stereo Indicator Light
- Muting for Minimum Interstation Tuning Noise
- $3.5 \mu \mathrm{v}$ IHF Sensitivity
- 30 db Stereo Separation
- Multiplex Filter
- Internal FM Antenna plus FlexibleMount AM Antenna
- Front and Rear Tape Output Jacks
- Neatly Styled to Blend with All Decors


## Outstanding Features

## lafayette



SUEREO MOATLME
Automatic FM Stereo automatically switches to stereo mode and lights indicator when you tune to a stereo station. Acri-tune indicator light assures foolproof accuracy on FM turing.
lart our


Tape Out Front and rear tape output jacks for recording through your tape recorder.


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


Mute Rocker Switch (On/Off) for minimum FM interstation tuning noise.

## LA코ํ

4

# Featuring Model LR-440 200-Watt 4-Channel AM-FM Stereo Receiver 



- Play New "SQ" 4-Channel Records and "SQ" 4-Channel FM - Play Discrete 4-Channel Programs with Optional 4.Channel Broadcasts Tape Deck
- Derive 4-Channel Sound from Your 2-Channel Stereo

Records, Tapes, and FM Stereo Broadcasts

## 4 CHANNEL PHONO, and AM/FM BROADCAST STEREO SYSTEMS

## SAVE 77.29

From Individual Catalog Prices

## System Price

 $503^{\circledR 1}$You will be thrilled by the spectacular realistic surround sound of this outstanding 4 -channel stereo system. The complete system conslsts of the superb Lafayette LR-440 200-watt compatible 4-channel AM-FM stereo receiver which incorporates 4 excellent amplifiers, patented "SQ" decoder circuitry, plus an outstanding AM-FM stereo tuner to bring you 4 -channel stereo programs from present 4 -channel 8 -track tape cartridges, from 4-channel reel-to-reel tapes, from 4-channel "SQ" Quadraphonic records, and from "SQ" 4-channel FM broadcasts. In addition, the LR-440 brings you exciting derived 4 -channel stereo from your present stereo records, stereo tapes, and FM stereo broadcasts. Also included are the dependable Garrard Model 40B 3-speed automatic turntable with attractive matching base; the Pickering P/ATE-1 elliptical stereo cartridge with high compliance diamond stylus; 4 Lafayette Criterion 50A 2-speaker 2-way "tuned" ducted port bookshelf speaker systems, each with $8^{\prime \prime}$ woofer, $1^{\prime \prime}$ voice coll, and $31 / 2^{\prime \prime}$ cone tweeter in handsome olled walnut finished enclosure; and speaker cable. Shpg. wt., 142 lbs. 22 P90542WXM No Money Down* ................................Net 503.8 .
Same system as above, except with four Lafayette Criterion 100 B 3speaker 3 -way bookshelf speaker systems with $10^{\prime \prime}$ woofer, $31 / 2^{\prime \prime}$ midrange, and $11 / 2^{\prime \prime}$ super tweeter speakers in handsome oiled walnut finIsh enclosures, instead of the criterion 50A's. Shpg. wt., 178 lbs. 22P90559wXM No Money Down** ...........................Net 576.50 You SAVE $\$ 85.47$ from individual catalog prices!

## 4 CHANNEL PHONO, TAPE, and AM/FM BROADCAST STEREO SYSTEMS

## SAVE 87.17

From Individual Catalog Prices

System Price $591^{85}$

Same exciting 4-channel stereo system as 21 P 90542 WXM , including the Lafayette LR-440 200 -watt compatible 4 -channel stereo receiver, the Garrard Model 408 furntable with attractive matching base, the Pickering P/ATE-1 cartridge with diamond elliptical stylus, 4 Lafayette Criterion 50A speaker systems, plus the Lafayette RK-48A compatible 2 - and 4 channel stereo 8-track cartridge tape deck, for the playback of pre-recorded 2-and 4 -channel 8 -track tapes. Shpg. wt., of pre-rec
$1521 / 4$ lbs.
22 P90567WXM No Money Down* $\qquad$ Net 591.95
Same system as above except with four Lafayette Criterion 100 B 3 -speaker 3 -way speaker systems instead of Criterion 50A's. Shpg. wt., 1881/4 lbs.
22 P 90575 WXM No Money Down*...............Net 664.75
You SAVE 95.17 from individual catalog prices!


Phono and AM/FM


No meney down"
SAVE $98{ }^{67}$
Frem individual catalor prices

Tape and AM/FM

## $-725^{15}$

No money down*
SAVE $83^{32}$
From individual catalog prices

Phono, Tape and AR/FM
System
Price
No money down*
SAVE $108^{17}$
From individual catalog prices

4-CHANNEL PHONO and

## AM/FM BROADCAST STEREO SYSTEM

This superbly matched 4 -channel phono and AM/FM broadcast stereo system features Lalayette's most powerful and finest 4 -channel stereo receiver-the LR-4000. This magnificent 4 -channel receiver reproduces the exciting 4 -channel sound of Discrete 8 -track cartridges, Discrete reel-to-reel tapes, and with its built-in SOphisticated SQ Wave-Matching Logic circuitry reproduces the increasingly abundant wonderful 4-channel SQ stereo quadraphonic records and 4.channel SQ FM broadcasts with exceptlonal clarity and realism. In addition, the LR- 4000 derives rich 4 -channel sound from your present 2 -channel stereo records, stereo tapes, and FM stereo broadcasts. This system also includes the well-known Garrard Model 4083 -Speed Automatic Turntable with matching turntable base, the Pickering P/ATE-1 Elliptical Stereo Cartridge with high compliance diamond stylus, 4 Latayette Criterion $100 \mathrm{~B} \quad 3$-speaker systems, each incorporating a $10^{\prime \prime}$ woofer with $51 / 2 \mathrm{lb}$. magnet, $31 / 2^{\prime \prime}$ mid•range, $11 / 2^{\prime \prime}$ super tweeter, and brillance control in handsome oiled.walnut finish enclosure, With speaker cable. Shpg. wt ${ }^{2}, 1861 / 4 \mathrm{lbs}$ 22 P91078WXM

Net 693.50

## 4.CHANNEL TAPE and

## AM/FM BROADCAST STEREO SYSTEM

A masterful system that includes the superb Lafayette LR-4000 300-Watt AM/FM 4-Channel Stereo Receiver which reproduces the exciting 4 -channel sound of Discrete 8 -track tape cartridges, Discrete reel-to-reel tapes, and through its sophisticated SQ Wave-Matching Logic circuitry, 4-channel SQ stereo quadraphonic records and SQ FM broadcasts with superb realism and clarity. It also derlves rich 4channel sound from your present 2 -channel stereo records, stereo tapes, and FM stereo broadcasts. The system also includes the Lafayette Deluxe RK-48A 4 and 2 -channel Stereo 8 -Track Playback Deck that features "Continuous/Repeat" selector button, spill-proof capstan mechanism, and pushbutton track selector; 4 Lafayette criterion 1008 handsome 3 -way, 3 -speaker systems with brillance control; and speaker cable. Shpg. wt., $1841 / 4 \mathrm{lbs}$.
22 P 91086 WXM
. Net 725.75
4.CHANNEL PHONO, TAPE and AM/FM BROADCAST STEREO SYSTEM
Same system as 22 P 91078 WXM, above, plus Laiayette RK-48A 4 and 2-Channel Stereo 8-Track Playback Deck. Shpg. wt. $1961 / 2 \mathrm{lbs}$.
22 P91094WXM

\title{

O SYSTEMS

\section*{FEATURING

## FEATURING ETTE LR-4000 300-Watt ETTE LR-4000 300-Watt el AM / FM Stereo Receiver el AM / FM Stereo Receiver <br> <br> $5{ }^{*}$ FEATURING

}


Phono and AM/FM

## DELUXE 4.CHANNEL PHONO and AM/FM BROADCAST STEREO SYSTEM

An elite 300 -watt 4 -channel phono and AM/FM broadcast stereo system, Includes Latayette's most powerful and finest 4 -channel AM/FM receiver-the LR-4000-which reproduces the exciting 4 -channel Discrete 8 -track tape cartridges, 4 -channel Discrete reel-to-reel tapes, 4 -channel SQ stereo quadraphonic records, and 4 -channel SQ FM broadcasts with exceptional clarity and realism. In addition, the LR-4000 derives rich 4 -channel sound from your present 2-channel stereo records. stereo tapes, and FM stereo broadcasts. This exceptlonal system also includes the Garrard Model SL. 558 Synchro-Lab 3-Speed Automatic Turntable with light-weight tubular tone arm and damped counterweight. stide-in cartridge clip and oversize turntable; matching turntable base; the Pickering V. 15 Micco IV/ACE Elliptical Stereo Cartridge with high compliance diamond stylus; 4 Lafayette Criterion $4 X 4$ way, 4 -speaker systems, each with $12^{\prime \prime}$ woofer, $5^{\prime \prime}$ mid'range, $3^{\prime \prime}$ tweeter, $11 / 2^{\prime \prime}$ super hi-tweeter, 4 -way L/C network, and high-frequency and mid-range controls in a deluxe oiled-walnut finlsh enclosure; and speaker cable. 22 P 91102 WXM Shpg. wt., $2221 / 4$ lbs.

## DELUXE 4.CHANNEL TAPE and <br> AM/FM BROADCAST STEREO SYSTEM

A deluxe 4 -channel stereo system that includes the amazing Latayette LR-4000 300-Watt 4.Channel AM/ FM Stereo Receiver which reproduces wonderfully realistic 4 -channet sound from Discrete 8-track tape cartridges, Discrete reel-to-reel tapes, SQ stereo quadraphonic records and SQ FM broadcasts, and derives rich 4 -channel sound from 2 -channel records, tapes, and FM stereo broadcasts. In addition, the system includes the Latavette RK-48A 4 and 2-Channel Stereo 8-Track Playback Deck that features "Continuous/Repeat" selector button, spill-proof capstan mechanism, and pushbutton track selector: 4 Latayette Criterion 4X 4-way, 4-speaker systems in luxurious oiled-walnut speaker enclosures; and speaker cable. Shpg. wt., $2201 / 4$ lbs.
22 P91110WXM
.Net 806.25

## DELUXE 4-CHANNEL PHONO, TAPE and AM/FM BROADCAST STEREO SYSTEM

Same 4-channel stereo system as 22 P 91102 WXM plus Lafayette RK-48A 4 and 2 .Channel Stereo 8.Track Playback Deck. Shpg. wt., $2321 / 2 \mathrm{lbs}$.
22 P $91136 W X M$
Net 876.95
See Pages $4,5,56,81,88$ and 123 for full description of system components.


## 4-CHANNEL PHONO AND AM/FM BROADCAST STEREO SYSTEMS

## SYSTEM PRICE

 $356^{25}$No Money Down*

SAVE
61.12

From Individual
Catalog Prices
An excellently matched 4 -channel stereo system which features the Lafayette LR-220 85-Watt 4-Channel AM/FM Stereo Receiver that reproduces the wonderful 4 -channel sound of discrete 8 -track cartridges, discrete reel-to-ree! tapes, SQ stereo quadraphonic records and SQ FM broadcasts. The LR-220 also derives rich 4-channel sound from your present 2 -channel stereo records, stereo tapes, and FM stereo broadcasts. This system also includes the well known Garrard Model 40B 3-Speed Automatic Turntable with a neatly designed matching turntable base; the Pickering P/ATE-? Elliptical Stereo Cartridge with high compliance diamond stylus; 4 Lafayette Criterion $25 \mathrm{~A} 2{ }^{-2}$ speaker, 2 -way air suspension speaker systems with $8^{\prime \prime}$ woofer, $21 / 2^{n \prime}$ tweeter, in rich, hand rubbed oiled walnut finish enclosure, and speaker cable. Shpg. wt., $841 / 4 \mathrm{lbs}$. 22 P90971WXM

Net 356.25
Same stereo system as above except includes 4 Lafayette Criterion 50A 30 -watt, 2 -speaker, 2 -way systems, each having an $8^{\prime \prime}$ woofer with $1^{\prime \prime}$ aluminum voice coil, $31 / 2^{\prime \prime}$ cone-type radiator tweeter and built-in electrical crossover, network in a rich, hand rubbed oiled walnut finish enclosure Instead of Criterion 25A's. Shpg. wt., $1221 / 4 \mathrm{lbs}$.
22 P $90989 W X M$ No Money Down* You SAVE 65.29 from catalog unit prices!

## 4-CHANNEL TAPE AND AM/FM BROADCAST STEREO SYSTEMS

## SYSTEM PRICE $363^{50}$

No Money Down* SAVE 42.97

From Individual
Catalog Prices
A superior matched 4-channel tape and AM/FM broadcast stereo system. Includes the excellently engineered Lafayette LR-220 85Watt 4-Channel AM/FM Stereo Receiver that plays discrete 4-channel 8 -track cartridges, discrete 4 -channel reel-to-reel tapes, 4 -channel SQ stereo quadraphonic records, 4-channel SQ FM broadcasts, and derives rich 4 -channel sound from your conventional stereo records, stereo tapes, and FM stereo broadcasts; the Lafayette RK-84 4 and 2-Channel 8-Track Stereo Playback Deck with 4 solid-state playback preamplifiers, individual illuminated channel indicator lights, and pushbutton track selector; 4 Lafayette Criterion 25A 2-speaker, 2-way air suspension speaker systems, each with $8^{\prime \prime}$ woofer and $21 / 2^{\prime \prime}$ tweeter in hand-rubbed olled wainut finish enclosures; and speaker cable. Shpg. wt., 81 lbs.
22 P 91003 WXM
Net 363.50
Same system as 22 P 91003 WXM above except with 4 Lafayette Criterion 50 A 30 -watt, 2 -speaker, 2 -way systems, each with $8^{\prime \prime}$ wooter, $31 / 2^{\prime \prime}$ cone-type tweeter, and electrical crossover network in hand-rubbed oiled walnut finish enclosure, instead of Criterion 25A's. Shpg. wt., 119 lbs.

22 P 91011 WXM No Money Down*
Net 402.88

## 4-CHANNEL PHONO, TAPE, AND AM/FM BROADCAST STEREO SYSTEM

Same system as 22 P 90971 wXM above plus Lafayette RK-84 4 and 2 Channel 8-Track Stereo Cartridge Playback Deck. Shpg. wt. $931 / 4 \mathrm{lbs}$


## 4-CHANNEL PHONO STEREO SYSTEMS

## System Price <br> 42350 <br> No Money Down*

## SAVE <br> 68.77

From Individual Catalog Prices

4-CHANNEL TAPE STEREO SYSTEMS

## System Price



No Money Down*

## SAVE 53.32

From Individual
Catalog Prices

An exceptional and high power 4 -channel phono stereo system featuring the Lafayette LA-64 200-Watt 4-Channel Stereo Amplifier. The LA-64 embodies 4 powerful ampliflers that reproduce the marvelous 4 channel sound of Discrete 8 -Track Cartridges, Discrete reet-to-reel tapes, and with its deluxe SQ-logic circuitry renders the amazing 4 -channel sound of SQ stereo quadraphonic records. Its built-in
"Composer" circuitry derives 4 -channel sound with striking audio depth from your present 2 -channel stereo records, stereo tapes, and FM stereo broadcasts when using an optional FM stereo tuner. The system also includes the Garrard Model 408 3-Speed Automatic Turntable; Matching base for turntable; Pickering P/ATE-1 Elliptical Stereo Cartridge with high compliance diamond stylus; 4 Lafayette Critieron 1008 3 -speaker systems, each featuring $10^{\prime \prime}$ woofer with $51 / 2 \mathrm{lb}$ magnet, $31 / 2^{\text {s }}$ mid-range speaker and $11 / 2^{\prime \prime}$ super tweeter and brilliance control in handsome oiled walmut finish enclosure. Includes speaker cable. Shpg. wt., $1581 / 4 \mathrm{Ibs}$.
22 P 91029 WXM
Net 423.50
Same system as above except with 4 Lafayette Criterion $4 \times 50$-Watt, 4 -Way. 4 -Speaker systems, each with $12^{\prime \prime}$ woofer. $5^{\prime \prime}$ mid-range driver. $3^{\prime \prime}$ hi-frequency tweeter, $11 / 2^{\prime \prime}$ super hi-tweeter, 4 -way L/C Network, and high frequency and mid-range controls housed in a deluxe oiled walnut finish enclosure, instead of the Criterion 1008's.

A superb 4-channel tape stereo system featuring Lafayette's finest and most powerful 4-Channel Stereo Ampliffer, Model LA-64. The LA. 64 renders the amazingly gratifying a-channel sound of Discrete 8 -Track Cartridges, Discrete reel-to-reel tapes, and with its sophisticated sa-logic circuitry plays the wonderful 4 -chamnel sound of the increasingly abundant $S Q$ stereo quadraphonic records when used with optional record turntable. In addition its built-in "Composer" with optional decives amazingly realistic 4-channel sound from present stereo tapes, stereo records, and FM stereo broadcasts when used with optional FM stereo tuner. The system also includes the Lafayette Deluxe RK-48A 4 and 2-channel stereo 8 -track playback deck that features "Continuous/Repeat" selector button, spill-proof capstan mechanism, and pushbutton track selector; 4 Lafayette Criterion 1001 handsome 3-way, 3 -speaker systems with brilliance control: and speaker cable. Shpg. wt., 1561/4 lbs.
22 P91052WXM
Net 455.75

Same system as 22 P 91052 WXM except with 4 Lafayette Criterion $4 X$ deluxe 50 -watt, 4 -way, 4 speaker systems instead of Criterion 100B's Shpg. Wt., 1921/4 Ibs.

22 P 91037 WXM Shpg, wt. $1941 / 4$ ibs.

Net 503.95
YOU SAVE 77.42 from individual catalog prices!
22 P 91060 WXM No Money Down*
Net 536.25
YOU SAVE 62.22 from individual catalog prices!

## 4-CHANNEL PHONO AND TAPE STEREO SYSTEM

YOU SAVE 78.17 from individual catalog prices!


## 4-CHANNEL TAPE STEREO SYSTEMS

$255^{50}$

From Inaividual Catalog Prices

Listening to your stereo program sources is now more enfoyable than ever! This rewarding 4-channel stereo system consists of the Latayette LA-222 4-Channel Stereo Amplifier which plays discrete 1 -channel reel-to-reel tapes and discrete 4 -channel 8 track cartridge tapes; and with an aptional record turntable plays the growing
tape tapes; and with an optional record turntable plays the growing
abundant quantity of the popular new 4 -Channel SO Stereo Quadra phonic records. The LA-222 also derives 4 -channel sound-from your conventional 2 -channel stereo records and stereo tapes, and from FM stereo broadcasts when used with an FM stereo tuner. In addition the system includes the Lafayette RK-84 4 and 2 -Channel 8 -Track $\begin{array}{lll}\text { Cartridge Tape Deck; } & 4 \text { Lafayette Criterion 25A } 2 \text {-speaker, } 2 \text {-way }\end{array}$ speaker systems, each with $8^{\prime \prime}$ woofer, $2^{1 / 2 " 2^{\prime \prime}}$ tweeter, and L/C crossover network in attractive oiled walnut finish enclosure; and speaker cables. Shpg. wt., 74 lbs.
22 P 90922 WXM No Money Down*
Net 255.50
Same system as above except with 4 Lafayette Criterion 50A 30 -watt 2-way bass reflex ducted port speaker systems, each with heavy duty $8^{\prime \prime}$ woofer and $31 / 2^{\prime \prime}$ direct radiator tweeter in hand rubbed oiled walnut finlsh enclosure instead of Criterion 25A's.
22 P 90930wxM No Money Down* Wt., 112 lbs. ....Net 294.75

## 4-CHANNEL PHONO STEREO SYSTEMS

## System Price <br> $248^{25}$ <br> SAVE 49.12 <br> from Individual

 Catalog PricesOpen a new worid of unbelievable audio gratification with this de pendable 4-channel stereo system. Consists of the Lafayette LA-222 4-Channel Stereo Amplifier with built-in SQ circuitry for playing the popular new SQ 4 -channel records with outstanding separation and realism. and with bulit in "Composer" circuitry for deriving futfilling 4-channel audio from your stereo records and stereo tapes, as well as from FM stereo programs when used with an FM stereo tuner. In addition the system includes the Garrard 408 stereo Automatic Turntable with matching base; Pickering P/ATE-1 elliptical cartridge with high compliance diamond stylus; 4 Lafayette Criterion 25A 2.5 peaker, 2-way speaker systems; and speaker cable. Shpg
wt., $771 / 410 \mathrm{l}$.
22 P 90948 WXM No Money Down*
Net 248.25
Same system as 22 P $90948 W \mathrm{MM}$ except with 4 Lafayette Criterion Criterion $25 A^{2}$ 's. Shoger bass refiex speaker systems instead of Criterion 25A's. Shpg. wt., $1151 / 4$ fbs
22 P 90955 WXM No Móney Down
You SAVE 53.29 from individual catalog prices!
Net 287.88

## 4-CHANNEL PHONO AND TAPE STEREO SYSTEM

Same system as 22 P 90948 WXM plus Lafayette RK-84 4-channel and 22 P 90963 WXM No Money Down* You SAVE 56.07 from individual catalog prices!

# LAFAYETTE 4-Channel Stereo Systems Featuring Model LA-2525 40 Watt 4-Channel Stereo Amplifier 

SAVE 25.02
From Individual Catalog Prices
 Price 201


"Mini" Speakers

## 4-CHANNEL TAPE STEREO SYSTEM

Listen to the extraordinary sound of 4 -channel stereo 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 Amplifier which can play discrete 4-channel 8 track cartridge and reel-to-reel stereo tapes. The LA- 2525 can aiso derise and play 4 -channel stereo from 2 -channel stereo records, stereo tapes, and FM stereo broadcasts. The system also includes the Latayette RM-84 4 and 2 -Channel 8 Track Stereo Playback Tape Deck; 4 Lafayette "Mini" speaker systems each whosure, and speater range speaker housed in handsome oiled walnut finish wood enclosure; and speaker cable. 22 P 90872 WXM No Money Down* Shpg. wt. 46 lbs .

Net 201.25

## 4-CHANNEL PHONO STEREO SYSTEM

Enjoy the exciting new $S Q$ 4-channel stereo records as well as the fulfilling derived 4-channel sound from your 2-channel stereo records. System consists of Lafayette LA-2525 40-Watt Compatible 4-Channel Stereo Amplifier; the Garrard Model 408 3 -speed automatic turntable with neat matching bass; the Pickering P/ATE-1 elliptical stereo cartridge with diamond stylus; the Lafayette $\mathrm{Sa}-\mathrm{M} 4$-channel So Decoder that features decoding circuitry with superior separation characteristics; 4 Lafayette "Mini" speaker systems, each with a $61 / 2^{\prime \prime}$ wide-range speaker in oiled walnut finish enclosure; and speaker cable. Shpg. wt.. $543 / 4 \mathrm{lbs}$.

Net 234.50


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




Garrard 40B

## 4-Channel Tape Stereo System System Price SAVE

 32625.3020 From Individual Catalog Prices4-Channel Phono Stereo System System Price SAVE
$324^{25}$ 96.87 From Individual Catalog Prices

Pickering P/ATE-1

## 4-CHANNEL TAPE STEREO SYSTEM

Listen to the spectacular sound of discrete A-channel stereo tapes in your home and add great joy to your audio listening! This 4. channel system consists of the Lafayette LA-44 170-Watt Compatible 4 -Channel Stereo Amplifier which plays wonderful discrete 4 -channel stereo programs from discrete 4 -channel reel-to-reel and 8 track cartridge tapes, and derives amazing 4 -channel stereo from existing 2-channel stereo records, stereo tapes and FM stereo broadcasts. 2-channel system also includes the Lafayette RK-84 4 and 2 Channel 8 Track The system also includes the Lafaye Clayback Deck; 4 Lafayette Criterion 50A 2 speaker. 2 -way bookshelf speaker systems, each with $8^{\prime \prime}$ woofer and $31 / 2^{\prime \prime}$ direct radiator tweeter in oiled wainut finish enclosure; and speaker cable. Shpg. wt., $1141 / 2 \mathrm{lbs}$.
22 P 90898 WXM No Money Down*
Net 326.25
${ }^{\circ}$ See Page 23 for Full Details on Easy Pay Plan

## 4-CHANNEL PHONO STEREO SYSTEM

Thrill to the audio richness of the SO 4 -channel records and to the 4 -channel sound derived from your stereo records. This marvelous system consists of the Lafayette LA-44 d-Channel Stereo Amplifier; the Lafayette SO-M 4-Channel SQ Decoder; the Garrard Model 408 3 -speed automatic turntable with matching base; the pickering P/ATE. 1 elliptical stereo cartridge: 4 Lafayette Criterion 50A speaker systems; and speaker cable. Shpg. wt., $1233 / 4 \mathrm{lbs}$. 22 P90211WXM No Money Down* Net 324.25

## 4-CHANNEL PHONO \& TAPE STEREO SYSTEM

Same system as 22P 90211WXM plus Lafayette RK-84 4 and 2 channel 8-Track Stereo Playback Tape Deck. Shpg. wt., $132 \frac{1}{4} \mathrm{lbs}$, 22 P 90906 WXM No Money Down*
You SAVE 103.82 from individual catalog prices!

## CONVERT YOUR 2-CHANNEL STEREO SYSTEM TO PLAY:

-4-Channel SQ - Discrete 4-Channel - Derived 4-Channel -

Add the Lafayette LA-975 high-power 130-watt Deluxe SQ Losic Decoder/Amplifier and 2 speakers to your present stereo system and play the exciting new SQ 4-Channel Stereo Quadraphonic records, Discrete 4 -Channel tapes (reel-to-reel and 8 -track carrecords, Discrete
tridge), and derive rich enjoyable 4 -channel sound from your present 2 -channel stereo records, stereo tapes and FM stereo broadcasts! The receiver or amplifier of existing stereo systems must have Tape Monitor facilities. The LA-975 can also be used as a regular 2 -channel stereo amplifier in a stereo system and with the simple addition of 2 speakers It can also derive rich 4 dimensional sound from your present 2 channel stereo records, stereo tapes and FM stereo broadcasts.

## LA-975 ADD-ON SYSTEMS

## 2 CRITERION 100B SPEAKER SYSTEMS and the LA-975



Criterion 1008
LA-975


2 CRITERION 4 X SPEAKER SYSTEMS and the LA-975
SAVE 33.59

From Individual Catalog Prices

Only


No Money Down*


Criterion 4X

This excellent 4 -channel add-on system consists of the Lafayette LA-975 Deluxe SQ-Logic Decoder/Amplifier; 2 Lafayette Criterion 100840 -watt, 3 -speaker, 3 -way bookshelf systems with powerful $10^{\prime \prime}$ woofer with $51 / \mathrm{l}^{\mathrm{lo}}$. magnet, $31 / 2^{\prime \prime}$ mid-range, $11 / 2^{\prime \prime}$ direct radiator super-tweeter, and high-frequency brilliance control in an acoustically tuned hand-rubbed oiled walnut finish enclosure; and speaker cable. Shpg. wt., $821 / 2 \mathrm{lbs}$.
22 P 90633 WXM
Net 246.75

Deluxe 4-channel add-on system consisting of Lafayette LA-975 highpower sophisticated SQ-Logic Decoder/Amplifier; 2 Lafayette Criterion $4 \times 4$-way, 4 -speaker, 50 -watt speaker systems that include a $12^{n}$ woofer with large $2^{\prime \prime}$ voice coll, $5^{\prime \prime}$ mid-range driver, $3^{\prime \prime}$ highfrequency tweeter and $11 / 2^{\prime \prime}$ super-high tweeter, and high-frequency and mid-range controls housed in a deluxe olled walnt finish enclosure with sonic ducted port; and speaker cable. Shpg. wt. $1001 / 2 \mathrm{lbs}$.
22 P 90641 WXM
Net 286.95

LA-975 2-Channel and Derived 4 Dimensional Sound Stereo Systems


## LA-975 2-CHANNEL STEREO SYSTEM

This fine stereo system consists of the Latayette LA-975 deluxe SQ-Logic Decoder/Amplifier; the Garrard Model 4083 -speed automatic turntable with attractive matching base; the Pickering P/atE-1 elliptical stereo cartridge with high-compliance diamond stylus; 2 Latayette Criterion 77 3-speaker, 3-way acoustic suspension speaker systems with $81 / 2^{\prime \prime}$ woofer, $31 / 2^{\prime \prime}$ mid-range, $11 / 2^{\prime \prime}$ tweeter and brilliance control in rich oiled walnut $\mathrm{fin} / \mathrm{sh}$ enclosure; and speaker cable. Shpg, wt., $721 / 4 \mathrm{lbs}$.
22 P 90658 WXM
Net 285.25

## LA-975 2-CHANNEL and DERIVED 4 DIMENSIONAL SOUND STEREO SYSTEM

Same system as above plus 2 additional Lafayefte Criterion 77 acoustic suspension speaker systems. Shpg. wt., $723 / 4 \mathrm{lbs}$.

Net 361.50


No Money Down* Catalog Prices


See Pages 38, 53, 54, 60-84, and 88 for full description of system components.


## Selected 240-Watt AM-FM Stereo Systems

 AThis expertly matched sterea system includes our famous recelver, the outstanding Lafayette LR-1500TA 240-Watt Solid-State AM-FM Stereo Receiver which features advanced solid-state circuitry with 4 Integrated Circuits, 5 F.E.T.'s. 39 discrete transistors, ComputorMatic $(B)$ protective circuitry and ACRITUNE precision visual tuning for extraordinary performance; Garrard Model $408 \quad 3.5$ peed Automatic Turntable with attractive Garrard matching base; Pickering P/ATE-1 Elliptical Stereo Cartridge with high compliance diamond stylus; and 2 Lafayelte Criterion 100 B 3 -way speaker systems with $10^{\prime \prime}$ woofer, $31 / 2^{\prime \prime}$ mid-range, $1 \vee / 2^{\prime \prime}$ super tweeter, loaded sonic port and high frequency brilliance control in attractive oiled walnut finished enclosures. Complete with speaker cable. Shpg. wt., 1091/4 lbs. 21 P91773WXM
Same system as above except with Shure M55E elliptical stereo cartridge.
21 P91781wXM Shpg. wt., 1091/4 lbs
You SAVE 68.36 from individual catalog prices!

## Feature-Packed 240-Watt

 AM-FM Stereo SystemsThis excellent feature.packed stereo system consists of the acclaimed Lafayette LR-15007A 240. Watt Solid State AM-FM Stereo Receiver with advanced solid-state design and Computor-Matic protective circuitry; Garrard Synchro-Lab Model SL55B 3.Speed Automatic Turntable with neatly styled Garrard matching base; Pickering V-15 Micro IV/ ACE Elliptical Stereo Cartridge with high compliance diamond stylus; and 2 Lafayette Criterion $4 \times 4$-way, 4 -speaker systems, each with $12^{*}$ woofer, $5^{\prime \prime}$ midrange, $3^{*}$ high frequency tweeter, $11 / 2^{\prime \prime}$ super-high tweeter, 4-way LC crossovers, and high frequency and midrange controls in a rich olled-walnut finish enclosure. Complete with speaker cable. Shpg. wt., $1271 / 4 \mathrm{lbs}$. 22 P90617WXM

Net 492.95

Same as above except with Shure M93E elliptical stereo cartridge. 22 P 90625 WXM Shpg, wt., $1271 / 4$ lbs

Net 497.95
You SAVE 82.83 from individual catalog prices!

See Pages $15,54,56,81,83$, and 88 for full description of components on this page.


# LAFAYEITE 100-Watt Stereo Systems with LR-810 AM/FM Stereo Reciver 



## 100-Watt 2-Channel Stereo Systems with LR-810

This superbly matched 2 channel stereo system features the Lafayette LR-810 100-watt AM/FM Stereo Receiver which is not only outstanding in playing stereo records, tapes and FM stereo broadcasts, but also incorporates built in circuitry for deriving exciting 4 dimensional audio from these program sources. This system also includes the Garrard Model 408 3-Speed Automatic Turntable with an attractive matching base; the Pickering P/ATE-1 Elliptical Stereo Cartridge with high compliance diamond stylus; 2 Lafayette Criterion 5042 -way bass reflex ducted port speaker systems, each with $8^{\prime \prime \prime}$ woofer and $31 / 2^{\prime \prime}$ cone type tweeter in handsome oiled
wainut finish enclosure. With speaker cable. Shpg. wt., 763/4 lbs.
22 P 90831wXM No Money Down*
Net 293.25 Same stereo system as above except with 2 Lafayette Criterion 77 3-speaker, 3-way acoustic suspension speaker systems, each with $81 / 2^{\prime \prime}$ woofer and $1^{\prime \prime}$ voice coil, $31 / 2^{\prime \prime}$ midrange, $11 / 2^{\prime \prime}$ direct radiator tweeter, and high frequency brilliance control in rich, hand-rubbed oiled walnut finish enclosure, instead of Criterion 50A's. Shpg. wt., $721 / 4$ los. 22 P 90849WXM No Money Down*

Net 312.25 Save 54.43 from individual catalog prices!

## 100 Watt 2-Channel and Derived 4 Dimensional Audio Stereo Systems with LR-810



## SAVE 60.29

From Individual catalog Prices

## System Price 3588

- Derive Exciting 4 Dimensional Audio from Your Stereo Records, Tapes, and FM Stereo Broadcasts!
Same stereo system as 22 P 90831 WXM above plus 2 additional Lafayette Criterion 50A 2 -speaker, 2 way speaker systems and cable. Shpg. wt., $121 / 4 / \mathrm{lbs}$. 22 P 90856 WXM

Net 350.88 Same stereo system as $22 \rho 90849 \mathrm{WXM}$ above plus 2 additional Lafayette Criterion 773. speaker, 3 way bookshelf acoustic suspension speaker systems and cable. Shpg. wt., $1121 / 4 \mathrm{lbs}$.
22 P 90864WXM 22 P 90864 WXM
SAVE 64.67 from individual catalog prices!


Criterion 77

See Pages $16,53,83$ and 88 for full description of system components.

# LAFAYETTE 75-Watt 2-Channel and Derived 4 Dimensional Stereo Systems with Model LR-200 AM/FM Stereo Receiver 



Pickering P/ATE-1 Elliptical Cartridge

## 2-CHANNEL AM/FM STEREO SYSTEM

A sure best-seller, this dependable 2 -channel stereo system feature the Lafayette LR-200 75 -Watt AM/FM Stereo Receiver which not only plays your present stereo program sources exceptionalify well, but plas includes a 4 Dimensional circuit which derives exciting and fulfiling a dimensional audio from your stereo records. stereo tapes and filling 4 dimensional audio from your stereo record stereare model FM stereo broadcasts. The system also includes the Garrard model 4OB 3 -speed automatic furntable with matching base; the Piekering P/ATE-1 elliptical stereo cartridge with high compliance diamond stylus; 2 Lafayette Criterion 25A 2 -speaker 2 -way air suspension systems, each with $8^{\prime \prime}$ woofer and $21 / 2^{\prime \prime}$ tweeter in rich oiled walnut finish enclosure and speaker cable. 22 P 90732 WXM Shpg. wt. $573 / 4 \mathrm{lbs}$.

## 2.CHANNEL AND DERIVED 4 DIMENSIONAL STEREO SYSTEM

You will thrill to the fulfilling 4 dimensional sound derived from your stereo records, stereo tapes and FM stereo broadcasts! This system is the same as above system, plus 2 additional Lalayette Criterion 25A 2 -speaker, 2 -way air suspension speaker systems, and speaker cable. Shpg. wt., $831 / 4 \mathrm{lbs}$.
22 P 90740 WXM No Money Down
Net 288.95
You SAVE 53.42 from catalog unit prices!

## LAFAYETTE 50 -Watt Stereo Systems with Model LR-100



Features the Lafayette LR-100 50-Watt Solid-State AM/FM Stereo Receiver which offers full-feature stereo versatility; Garrard Model 408 3-5peed Automatic Turntable with matching base; Pickering MATE Ellintical Stereo Cartridge. 2 Lafayette Criterion 25A 25-watt +way speaker systems, each featuring an extravefficient $8^{\prime \prime}$ woofer 2-way speaker systems, each eaturing an extravelficient ond
and $21 / 2^{\prime \prime}$ tweeter in hand-rubbed oiled walnut finish enclosure; and speaker cable. Shpg. wt., $581 / 2 \mathrm{lbs}$.
21 P 94769WXM No Money Down* Net 228.50 Same system as above except with 2 Lafayette criterion 50A 2 -way bass reflex speaker systems, each with heavy-duty $8^{\prime \prime}$ woofer and
$31 / 2^{\prime \prime}$ direct radiator tweeter in oiled walnut finish enclosure. Shpg. wt., $771 / 2 \mathrm{lbs}$.
21 'P 93472 WXM No Money Down*
Net 248.25
You SAVE 47.43 from catalog unit prices!
Same system as 21 P 93472 WXM except with Shure M55E high efflciency elliptical stereo cartridge with diamond stylus Instead of Pickering P/ATE-1 cartridge. Shog. wt, $771 / 2 \mathrm{lbs}$.
21 P 90759WXM No Money Down*
..... Net 253.25
You SAVE 47,43 from catalog unit prices!
See pages $17,52,53,83$ and 80 for description of system components.


# LAFAYETTE 25-Watt Stereo Systems with Model LR-75A AM/FM Stereo Receiver 

# SAVE 22.59 <br> From Individual Catalog Prices SYSTEM PRICE $187^{95}$ 

No Money Down*


## 2 CHANNEL STEREO SYSTEMS WITH LR-75A

A truly exciting value in a complete 25 watt stereo system package! Matched for performance as well as economy, this stereo system features the Lafayette LR-75A 25 watt Solid-State AM-FM Stereo Receiver with full stereo performance capability, pleasing complementary styling, and built-in circuit for deriving thrilling 4 di mensional sound from 2 -channel stereo records, stereo tapes, and FM stereo broadcasts; the Garrard Model 30 - 4 -Speed Automatic Turntable with oversized turntable, efficient ceramic stereo cartridge and long-life diamond stylus; attractive Matching Turntable Base for Model 30; and 2 Lafayette Criterion 2 X neatly styled, efficient

2-way oiled walnut finish bookshelf speaker systems, each with fine performing $6^{\prime \prime}$ woofer and $31 / 2^{\prime \prime}$ cone-type tweeter; with speaker cable. Shpg. wt., $451 / 4 \mathrm{lbs}$.
22 P 90708wXM No Money Down*
Same stereo system as 22 P 90708wXM except wi.. Net 187.95 closure instead of Criterion $2 \mathrm{X}^{\prime}$ s. Shog. wt., $521 / 4 \mathrm{los}$. finish enclosure instead of Criterion 2X's. Sheg. wt., $521 / 4 \mathrm{los}$.
22 P 90690 WXM No Money Down*
YOU SAVE 23.54 form individual catalog prices!

## 2 Channel and Derived 4 Dimensional Audio Stereo Systems With LR-75A



# LAFAYETTE 160-Watt Stereo Phono Systems with LA-150 Stereo Amplifier 

Criterion 77


SAVE 49.43
From Individual Catalog Prices

System Price $272^{25}$
No Money Down*


## 160-Watt 2-Channel Stereo Phono Systems with LA-150

An exceptional 2 -channel stereo phono system that features Lafay. ette's 160 .Watt 2-Channel Stereo Amplifier Model LA-150 with built-in circuit for depiving 4 dimensional stereophonic audio from $2-c h a n n e l$ stereo records, stereo tapes and FM stereo broadcasts. System also includes the Garrard Model 408 3-Speed Automatic Turntable with attractive matching base; the Pickering V-15 Micro IV/ACE Elliptical Stereo Cartridge with high compliance diamond stylus; 2 Lafayette Griterion 77 3-speaker, 3 -way acoustic suspension speaker systems, each with $81 / 2^{\prime \prime}$ woofer with $1^{\prime \prime}$ voice coil, $31 / 2^{\prime \prime}$ mid-range, $11 / 2^{\prime \prime}$ direct-radiator type tweeter, and high-frequency brilliance control in a rich, hand-rubbed oiled walnut finish enclosure with a tastefully accented brown grille cloth to blend with any decorating
scheme; and speaker cable. Shpg. wt., $711 / 4 \mathrm{Ibs}$. 22 P 90799 WXM

Net 272.25
Same stereo system as above except with 2 Lalayette Criterion 150 A 3-speaker, 3 -way acoustic suspenslon speaker systems, each with a $10^{*}$ acoustic suspension wooter with $11^{*}$ edge-wound copper voice coil, $3^{\prime \prime}$ cone-type mid-range tweeter $11 / 2^{\prime \prime}$ direct-radlator super. tweeter, L/C crossover network, and high-frequency level control housed in a luxuriant hand-rubbed olfed walnut finish enclosure constructed of $5 / g^{\prime \prime}$ wood with fiberglass packing for optimum acoustic response, instead of the Criterion $7 \%$ 's. 22 P 90807 WXM Shpg. Wt., $761 / 2 \mathrm{lbs}$.

Net 303.75
You SAVE 52.93 from Individual Catalog Prices!

160-Watt 2-Channel and Derived 4 Dimensional Audio Stereo Systems with LA-150

## SAVE 59.67



From Individual Catalog Prices

## System Price <br> $348^{50}$

## No Money Down*

You can enjoy your stereo records, stereo tapes and FM stereo broadcasts more than ever with LA- 150 Derived 4 Dimensional Sound!
Same stereo system as 22 P 90799 WXM plus 2 Lafayette criterion 77 3-speaker, 3-way acoustic suspension speaker systems. With cable. Shpg. wt. $1113 / 4 \mathrm{lbs}$. 22 P90815wxM

Net 348.50 Same stereo system as 22 P 90807 WXM plus 2 Lafayette Criterion 150 A 3 -speaker, 3 -way acoustic suspension speaker systems. With cable. Shig. wt, $1203 / 4$ lbs. No Money Down* 22 P 90823WXM Net 411.50 You SAVE 66.67 from Individual Catalog Prices!


See Pages 24,53,55, 80-84, and 88 for full description of system components.


## LAFAYETTE 100-Watt Stereo Phono Systems with LA-950 Stereo Amplifier

SAVE 43.18
From Individual Catalog Prices Sisten
PRice
210

No Money Down*


Pickering P/ATE-1 Elliptical Cartridge

## 100-Watt 2-Channel Stereo Systems with LA-950

A feature packed 2 -channel stereo phono system that features the Lafayette LA-950 100 -Watt Solid-State 5 tereo Amplifier with built-in circult for 4 Dimensional Stereo; the Garrard Model 40B 3-speed automatic furntable with neatly designed matching base; the Pickering P/ATE-1 Elliptical Sterea Cartridge with high compliance dlamond stylus; 2 Lafayette criterion 50a 2 -way bass reflex ductedport speaker systems with $8^{\prime \prime}$ woofer and $3 y^{\prime \prime}{ }^{\prime \prime}$ cone-type directradiator tweeter in decorative oiled walnut finish enclosures; and speaker cable. Shpg, wt., $703 / 4 \mathrm{lbs}$.
22 P90757WXM
Net 210.50

Same stereo system as above except with 2 famous Lafayette Criterion 10083 -way, $s$-speaker systems, each with $10^{\prime \prime}$ woofer with $51 / 2$ Ib. magnet, $31 / 2^{\prime \prime}$ mid-range, $11 / 2^{\prime \prime}$ super-tweeter, $2 \mathrm{~L} / \mathrm{C}$ crossover networks and brilliance control in a handsome oiled walnut finished enclosure, instead of the Criterion 50A's. Shpg. wt., $883 / 4 \mathrm{lbs}$. 22 P 90765WXM No Money Down*

Net 246.75 SAVE 47.33 from Individual Catalog Prices!
Lafayette matching AM/FM Stereo Tuner Model L7-725A for above systems. Shpg. wt., 13 Ibs.
99 P 02297 WX No Money Down*
Net 139.95

100-Watt 2-Channel and Derived 4 Dimensional Stereo Systems with LA-950


## SAVE 51.22

From Individual Catalog Prices

## SYSTEM PRICE $267^{95}$ <br> No Money Down*

- Derive Thrilling 4 Dimensional Sound from Your Stereo Records, Stereo Tapes and FM Stereo Broadcasts
Same stereo system as 22 P 90757 WXM above, plus 2 Lafayette Criterion 50A 2-way speaker systems, with speaker cable. Shpg. wt., $1151 / 4 \mathrm{lbs}$ 22 P90773WXM

Net 267.95
Same stereo system as 22 P 90765 WM above, plus 2 Lafayette Criterion 10083 -way, 3 -speaker systems with speaker cable. Shpg. wt. $1511 / 4 \mathrm{lbs}$.
22 P90781WXM
Net 340.75 You SAVE 59.22 from Individual Catalog Prices!
See Pages 25, 29, 53, 54, 83 and 88 for full description of system components.


## LAFAYETTE 50-Watt Stereo Systems with LA-375 Stereo Amplifier



## 50-Watt 2-Channel Stereo Systems with LA-375

A budget-priced system with high performance, this Lafayette matched sterec system consists of the Lafayette LA-375 50-Watt Solid State 2 Channel and Derived 4 Dimensional Audio Stereo Amplifier; Garrard Model $40 B$ 3-Speed Automatic Turntable with neatly designed matching base; Pickering P/aTE-1 Ellipticat Stereo Cartridge with high compliance diamond stylus; and 2 Lafayette Criterion 25A efficient 25 -watt 2 -way air-suspension speaker sysfems, each with $8^{\prime \prime}$ woofer, and $2 \frac{1}{2 \prime \prime}$ tweeter in decorative handrubbed oiled-walnut flnish enclosure. With cables.
22 P 90252 WXM Shpg. wt., $481 / 2$ ibs.

Same system as 22 P 90252 WXM except with two Lafayefte Criterion 504 , 30 -watt 2 -speaker 2 -way bookshelf speaker systems, each with $8^{\prime \prime}$ woofer with $1^{\prime \prime}$ aluminum voice coil and $34 / 3^{\prime \prime}$ cone-type radiator tweeter in rich hand-rubbed oiled-walnut finish enciosure instead of Criterion 25A's. Shpg. wt., $671 / 2$ lbs. 22 P905B3WXM

Net 185.25
YOU SAVE 40.33 from individual catalog prices!

## 50-Watt 2-Channel and Derived 4-Dimensional Sound Stereo Systems with LA-375




## SAVE 46.11 <br> from Individual Catalog Prices <br> SYSTEM PRICE $203^{25}$ No Money Down*

Same system as 22 P90252wXM plus 2 additional Lafayette Criterlon 25A 25-watt, 2*way air-suspension speaker systems for thrlliing derived 4 dlmensional audio. Shpg. wt. $733 / 4 \mathrm{lbs}$. $22^{\circ} \mathrm{P} 90591$ WXM

Net 203.25
Same system as 22 P 90583 WXM plus 2 additional lafayette Criterion $50 \mathrm{~A}, 2$-speaker, 2-way speaker systems for enjoyable de: rived 4 -dimensional audio. Wt., $1113 / 4$ lbs. 22 P 90609WXM ...... ........... Net 242.88 YOU SAVE 50.28 from individual catalog prices!

5ee Pages 26, 52, 53, 83, and 88 for full description of system components.


Alternate Speakers


A value packed stereo system that includes the popular Lafayette LA-25 30-Watt Solid-State Stereo Amplifier. The LA-25 features inputs for magnetic and ceramic cartridges, a Main/Remote speaker switch that permits enjoyment of stereo programs in your favorite remote listening area as well as in your living room or den, a front panel stereo headphone jack for private listening to your favorite programs without disturbing others, and a full complement of controls enabiling you to "tailor" the sound to your own personal tastes. The Garrard Model 408 3-Speed Automatic. Turntable has viscous-damped single lever cueing; handsome matching turntable base; and a Pickering P/ATE-1 Elliptical Stereo Cartridge with hish-compliance diamond stylus; and 2 Lafayette Criterion $2 x$ highly-efficient 2 -way bookshelf speaker systems, each with a fine performing $6^{\prime \prime}$ woofer and $31 / 2^{\prime \prime}$ cone-type tweeter in a neatly styled oiled walnut finish cabinet; and speaker cable are also included.
$22 \cdot \mathrm{P} 90674 \mathrm{WXM}$ Shpg. wt., $393 / 4 \mathrm{lbs}$.
Net 128.95
Same stereo system as above except with 2 Lafayette Criterion 25A
25-watt 2 -way speaker systems, each with an extra efficient $8^{\prime \prime}$ woofer and $21 / 2^{\prime \prime}$ tweeter housed in an attractive hand rubbed oifed walnut finish enclosure, instead of the Criterion 2 X 's.
22 P 90682 WXM Shpg. Wt., $463 / 4 \mathrm{lbs}$. ......
You Save $\$ 35.03$ from Individual Catalog Prices!
See Pages 28,52, 83, and 88 for full description of system components.
${ }^{\circ}$ See Page 23 for Full Details on Easy Pay Plan

# Professional Solid-State Components by dyNact <br> NEW! STERE0-400 

## SOLID-STATE AM/FM STEREO TUNER

NEW! AF-6


- For Kit Builder All Printed Circuit Modules Are Preassembled, Prealigned, and Tested
- FM Sensitivity: $1.75 \mu \mathrm{~V}$


## 10195

No Money Down*
The new AF. 6 AM/FM solid-state tuner has all the features of the FM- 5 stereo FM tuner combined with an outstanding AM tuner section. The AM section teatures a uniquely engineered RF and mixer section with AM performance that rivals FM! The FM section features "Dynatune(TM)" which automatically fine-tunes a station to the minimum disally fire-tunt SPECIFICATIONS, FM Sectlon: fortion point. SPECIFICATIONSI FM Section: HF Sensitivity: $1.75 \mu V_{i}$ Freq. Response: $20.15 \mathrm{kHz} \pm 1 \mathrm{db}$; Harmonic and IM Distortion: $0.5 \%$; Capture Ratio: 1.5 db ; Selectivity (Alternate Channel): 65 db. AM Section: Sensitivity: $50 \mu \mathrm{~V}$. Size: $131 / 2 \mathrm{~W} \times 101 / 2 \mathrm{D} \times 41 / 3^{\mu} \mathrm{H}$. For $120 / 240 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}, 12$ watts. Shpg. wt., 13 lbs.
$21^{1} \mathrm{P}$ 23602W AF-6 Kit .......... Net 199.95
AF-6A Factory Wired and Tested
21 P 23610 Whpg. Wt., 13 ibs, Net 299.95

## PAT-4 STEREO

 PRE-AMPLIFIER

- Dyna Tone Control Circuit


## KIT <br> $94^{55}$

No Money Down*


No Money Down 400-WATT STEREO POWER AMPLIFIER


- Power Output:

200-Watts RMS per Channel at 80 hms
300-Watts RMS per Channel at 40 hms

## 31195 31 <br> No Money Dowa <br>  <br> No Money Down

Deluxe high power amplifier features the "Dynaguard" circuit-a dynamic power limIter used to select the maximum power delivered to each channel. Incorporates a 10. sec. timedelay at turn-on, and. hi and low frequency linear-phase filters. Individually adjustable input level controls. Circuit mod ules are preassembled and tested in the kit version. SPECIFICATIONS: Freq. Response: $10.50 \mathrm{kHz}+\mathrm{O}_{3}-1 \mathrm{db}$ @ 1-watt; $20-20 \mathrm{kHz}$ at rated power $\pm 1 / 4 \mathrm{db}$; Distortion: less than $0.25 \%$ at rated power; Noise: 106 db below 200-watts; Sensitivity (Input): 1.6V RMS for 200 -watts, $100 \%$ stability under any load Size: $16 \times 121 / 2 \times 7^{\prime \prime} \mathrm{H}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., 48 lbs
21 P 23628xY Stereo-400 Kit .. Net 399.95
Stereo-400A-Factory Wired and Tested
21 P 23636 XYShpg. wt., 48 ibs. Net 499.95

## STEREO-120 <br> POWER AMPLIFIER



NEW! SCA-80Q INTEGRATED STEREO AMPLIFIER

- Power Output: 40 -Watts RMS per Channel
- Built-in Quadaptor Circuitry for Deriving 4 Dimensional Sound from 2-Channel Sources
 fier cole integrated stereo control ampli. fier combining the power amplifier of the famous Stereo-80 and a preamplifier incorpord ting most of the features of the PAT-4 plus a built-in Quadaptor for deriving 4 Dimensional sound from your 2-channel stereo records, tapes, and FM broadcasts. 40 -watts RMS per channel @ less than $0.5 \%$ H.D. from 20 $20,000 \mathrm{~Hz}$ at full power. Power Bandwidth: 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: $131 / 2 \times 41 / 4 \times 10^{\circ} \mathrm{D}$. For $120 / 240$ VAC $50 / 60 \mathrm{~Hz}$. Shpg. wt., 17 lbs .
21 P 23321 W SCA-80Q Kit ..Net 169.95 SCA-800 Factory Wired and Tested
21 P $23313 W$
Net 249.95


## QUADAPTOR(B <br> 4 DIMENSIONAL STEREO ADAPTOR



- 60-Watts RMS Power Output Per Channel


## $159^{8}$

Mö Money Down
A solld state stereo power amplifier which offers superh performance. Perfect companion to the PAT-4. No interstage or output transformers are used. Power output per channel: 60 watts RMS ar 8 ohms. Features: Ejectronic protection against open circuits or shorts; by means of a current limiting blasing circuit. No fuses or circult breakers are needed. SPECIFICATIONS: Frequency Response: 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. Noise: 95 db below rated output. 15 Transistors, 15 diodes. Size: $13 \times 104 / 2 \times 4^{\circ}$. For $120 / 240$ VAC $50 / 60 \mathrm{~Hz}$ Shpg. wi., 19 lbs.
21 P 23230 W Kit $\qquad$ Net 159.95

Stereo-120A-Factory Wired and Tested
Net 199.95


No Money Down*

Deluxe solid state stereo pre-amplifier offering complete control facilities for any conceivable stereo or music system source. Feafures exclusive "Dyna Tone Control Cl cuit" to assure truly flat response (Patent Pending). Also features a switch selected high frequency filter at 7,10 , and 15 kHz . Plus flat positlon. SPECIFICATIONS: Freq. Response: $\pm 0.5 \mathrm{db}$ from 10 to $100,000 \mathrm{~Hz}$. Harmonic Oistortion 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 Hz . Noise: less than 2 mv .8 silicon Transistors, 2 dlodes. For 120 or 240 volts 50 or 60 Hz . Shpg. wt., 9 lbs. Size: $131 / 2 \times 41 / 4 \times 8^{\prime \prime}$.

21 P 23248w
21 P 23255W PAT-4 Kit ..........Net 94.95 PAT-4A Factory wired and Tested
21 P $23263 W$

- See Page 23 for Full Details on Easy Pay Plan


Add the Quadaptor and two speakers to your 2.channel stereo amplifier or receiver-and listen to a dimensional stereo sound from your present records, tapes, and FM-Stereo broadcasts. Provides faithful reproduction of the original "recording studio sound", the added ambience (reflected sound) in stereo recordings-which is normally not heard in a conventlonal 2 -speaker system. Shpg. wt., 3 lbs. Size $7 \times 7 \times 8^{\prime \prime}$
21 P 23586 Quadaptor Kit
Net 19.95
21 P 23594 Quadaptor Wired Net 29.95

## OTHER DYNA COMPONENTS

Stereo-80 Power Amplifier Kit- 40. Watts RMS, Power Output per channel. For 120/220 VAC $50 / 60 \mathrm{~Hz}$. Size: $131 / 2 \times 41 / 2 \times 9^{\prime \prime} \mathrm{D}$. Wt., 14 lbs . 21 P 23289w No Money Down" Net 119.95 Stereo-80 Factory Wired and Tested 21 P $23297 W$ No Money Down* Net 159.95 FM-5 Stereo FM Tuner Kit
21 P 23560 WXNo Money Down* Net 159.95 FM-5A Factory Wired and Tested
21 P 23578 W No Money Down* .Net 249.95

## MARANTZ Solid-State AM/FM Stereo Receivers

## Model 2230 AM/FM Stereo Receiver



Ultra low-distortion FET circuitry and outstanding features highight thls AM/FM stereo receiver. Delivers 60 watts continuous power at 8 ohms, at a THD of $0.5 \%$. FM sensitivity is $2.0 \mu \mathrm{~V}$, and capture ratio Is 2.5 db . Front panel controis include: stepped bass, mid-range, and treble controls for precise, repeatable talloring of sound. Bal. ance volume, and selector switches, pushbuttons for tape monitor, mono, stereo, low and high filters, loudness, muting, main and remote loudspeakers, and Ac power. Gyro. Touch tuning, tuning meter, and stereo indicator light. Front panel headphone jack and dubbing iacks. Provisions for connecting tape decks, furntables, and 4 . channel adapter. Massive heat sinks and automatic output protection for both circuitry and speakers. Completely enclosed metal chassis finished In simulated walnut. Sizes: $167 / 8 \times 5 \times 14^{4 \prime}$. For 117 VAC, 60 Hz . Imported shpal. wt.; 32 lbs .
21 P 50233 Wx No Money Down*
Net 349.95
Walnut Wood Case for Model 2230. Shpg. wt., 11 lbs.
21 P50258W
Net 29.95

## Model 2245 AM/FM Stereo Receiver <br> 

Professional quality AM/FM stereo receiver. Delivers a full 90 watts continuous power at 8 ohms, from $20-20,000 \mathrm{~Hz}$, with under $0.3 \%$ total harmonic and intermodulation distortion. The FM section has a sensltivity of $1.7 \mu \mathrm{~V}$. a capture ratio of 1.6 db , and features Gyro. Touch tuning and both signal strength and center channet meters. The preamp control section features dual stepped bass, midrange, and treble controls, provisions for 4 -channel adapter and two tape decks. Front panel also has: Pushbuttons for tape monitor, mono/ stereo, low and high filters, loudness, muting, main and remote speaker selection, and AC power. Headphone jack and dubbing jacks. Function indicator lights. Power amplifier has direct coupled output stage and automatic protection circuitry for internal circuitry and associated speakers: Completely enclosed metal chassis is finished in simulated walnut. Size: $167 / \mathrm{s} \times 5 \times 14^{\prime \prime}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpg. wt., 37 lbs.
21 P 50241WX No Money Down* .............................. Net 449.95
Walnut Wood Case for Model 2245. Shpg. wt., 11 lbs.
21 P 50258 W
Net 29.95

## NEW! Model 4415 "Quadradial 4" AM/FM Stereo Receiver



## - Power Output 60 Watts Continuous RMS Into 8 Ohms

NEW! Deluxe Model 4430 "Quadradial 4" AM/FM Stereo Receiver
 Continuous RMS Into 8 Ohms

Tremendously versattle AM/FM receiver that handles both 4-channel and 2 -channel stereo sound. Mode switch selects Mono. Stereo, Discrete 4-Channel. Vari-Matrix syntheslzed 4-Channel, and SQ 4-Channel, with optional SQA. 1 adapter. Pushbuttons control tape monitor, FM muting, speaker selection, and AC power. Three slide controls adjust front, rear, and front-rear balance. Blackout dial has 2 funing meters, stereo indicator light, and exclusive Gyro-Touch tuning. Front and rear headphone jacks. FM sensitivity is $1.7 \mu \mathrm{~V}$. Amplifier section delivers 120 watts continuous power into 8 ohms ( $30 \mathrm{~W} / \mathrm{ch}$ ). with total harmonic and intermodulation distortion under $0.3 \%$. Size $167 / 8 x$ $5 \times 14 V^{\prime \prime}$. For 111 VaC. $50 / 6 \mathrm{~Hz}$. Imported. Shpg. wt., 52 lbs. 21 P 50274 WX No Money Down*

Net 599.95
SQA-1 Plug-in SQ 4-channel decoder. Shpg. wt., 2 lbs. 21 P 50282 No Monev Down*

Net 49.95
Walnut Wood Case for Model 4415. Shipg. Wt., 11 ibs.
21 P 50258 W
Net 29.95

## HARMAN/KARDON Solid-State Receivers

## NEW: Model 75+ AM/FM Multichannel Stereo Receiver

- Power Output: $4 \times 18$-Watts/RMS Into 8-Ohms
- External Dolby Tape Monitor Switch

A moderate priced 4 -channei AM/FM receiver with a single levertype control for balancing the sound level of all four channels simultaneously! Built-in wideband 4 -channel SQ Matrix Decoder for decoding SQ program sources into thrilling 4-channel sound. Has twin power supplies for optimum performance. Other features include $2 / 4 \cdot \mathrm{ch}$. headphone jacks; Main/Remote speaker switches for 2 and 4 -channel operation; tape monitor; FM muting; Bass and Treble tone controls. SPECIFICATIONS: Amplifier: $2 \times$ 45 -watts RMS or $4 \times 18$-watts RMS both channels driven at less than $0.5 \%$ THD; Power Bandwidth: $10-40 \mathrm{kHz}$. Tuner: FM Sensitivity. $2.0 \mu \mathrm{~V}$; Capture Ratio: 2.5 db . MPX separation: 35 db . Sizez $165 /$ W W $^{2} 150 \times 5 \mathrm{HH}$. For 117 VAC, 60 Hz . Shpg. wt. 28 ibs . 21 P42891w

Net 399.95 Walnut Wood Enclosure for Model 75 t. Shpg. wt., 11 Ibs. 21 P 42909w No Money Down* .........................Net 34.95


## 399"

- Built-in SQ Matrix Decoder For Playing

4-Channel SQ Records

## NEW! Model 100+AM/FM Multichannel Stereo Receiver

- Power Output: $4 \times 24$-Watts RMS Into 8 Ohms
- External Dolby Tape Monitor Switch

Compatible 4 and 2 -channel AM/FM receiver with built-in ultrawideband SQ Matrix Decoder for listening to 4 -channel SQ program sources. Also includes: 3 pecial circuitry that derives 4 channel sound from conventional 2-channel stereo program sources. Twin power supplies produce elther 2 -channels @ 57.5 watts RMS/Channel or 4 -channels @ 24 -watts RMS/Channel both channels driven at less than $0.5 \%$ THD. Other features include 2 Tape Monitors, Main/Remote speaker switches, FM muting, $2 / 4$ ch. headphone jacks, stereo FM indicator light, Bass and Treble
 tone controls. SPECIFICATIONS: Amplifier: Fower 8andwidth: $10-$
40 kHz . Tuner: FM Sensitivity: 1.9 pV ; Capture Ratio: 2.2 db ; MPX 40 kHz . Tuner: FM Sensitivity: 1.9 gV ; Capture Ratio: 2.2 db ; MPX
Separatlon: 35 db . Size: $183 / 4 \mathrm{Wx} 151 / 4 \mathrm{D} \times 5^{\prime \prime} \mathrm{H}$. For 117 VAC .60 Hz . 21 P 42925 Wx Shpg. wt., 30 lbs..........................Net 499.95 Walnut Wood Enclosure for Model $100 t$. Shpg, wt., 11 lbs. 21 P 42933 W No Money Down* …......................Net 34.95

- Built-in SQ Matrix Decoder For Playing 4-Channel SQ Records


## NEW: Model 150+AM/FM Multichannel Stereo Receiver

- Power Output: $4 \times 30$-Watts RMS Into 8 Ohms
- External Dolby Tape Monitor Switch

A deluxe 4-channel AM/FM receiver designed for flexibility and fine performance. Plays all types of 4-channel program sources including the new 4 -channel SQ records and 4 -channel SQ FM broadcasts. Features an ultra-wideband 4-channel SQ Decoder. Derives 4-channel sound from 2-channel stereo propram sources. Also includes: twin power supplies, $2 / 4$-channel headphone output jacks; single lever sound Balance control; Bass, Treble, and Midjacks; single cover soung tone controls; 2 -Tape Monitor switches; "Quieting" meter for FM tuning. SPECIFICATIONS: Amplifier: $2 \times 70$ watts RMS or $4 \times 30$-watts RMS ( 8 -ohms) both channels driven at less than


No Money Down ${ }^{\circ}$ $0.5 \%$ THD; Power Bandwidth: 10.40 kHz . Tuner: FM Sensitivity: $1.8 \mathrm{aV}^{2} \mathrm{Capture}$ Ratio: 1.60 bb . Size: $183 / 4 \mathrm{~W} \times 151 / 4 \mathrm{D} \times 5^{\mu} \mathrm{H}$, For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$.
21 P 42917 wX Shpg. wt., 32 lbs.
Net 599.95
Walnut Wood Enclosure for Model 150 ।. Shpg-wt., 11 lbs.
21 P 42933 No Money Down" .........................Net 34.95

- Built-in SQ Matrix Decoder For Playing 4-Channel SQ Records


## Model 630 Twin Powered AM/FM Stereo Receiver

## - 30/30-Watts RMS Into 8 Ohms

Fine performing 2-channel stereo AM/FM receiver has iwin power supplies which results in complete isolation of both amplifier channels. Features separate bass and treble controls; tape monitor with 2 sets of tape outputs; stereo headphone jack; Main/Remote speaker switching; and preamp/amplifier sections that may be electrically separated for flexible operation. Large illuminated tuning meter, FM muting, and counterweighted flywheel for smooth tuning action: SPECIFICATIONS: Power output: 30 -walts RMS per channel both channels driven with-less than $0.5 \%$ THD; Power Bandwidth: $10-40 \mathrm{kHz}$; Hum and Noise: 85 db below rated output: Tuner: FM Sensitivity: $1.9 \mu \mathrm{~V}$; Capture Ratio: 2.5 db ; MPX Separation: 35 db . Size: $12 \mathrm{~W} \times 133 / 4 \mathrm{D} \times 43 / \mathrm{m}^{" \mathrm{H}}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. 21 P 42875 Whpg, wt., 28 lbs. .........................Net 299.95 Watnut Enclosure for Model 630 . Shps. wi., 11 los. 21 P 42883W No Money Down*
.Net 34.95
$299^{95}$


- Separate Power Supplies For Complete Isolation of Both Amplifier Sections


# EICO Solid-State HI-FI Components 

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



Features time switching multiplex tuner circuit, plus FET and all silicon solid-state circuitry. FM SECTION-Sensitivity (IHF): $3.5 \mu \mathrm{~V}$ for 30 db 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 Sensitivity: 3.8 mV mag. phono; 300 mV all others. Input Impedance $=47 \mathrm{~K}$ mag. phono; 100 K all others. Output Impedance: $4-16$ ohms. For $105-130 \mathrm{VAC}$., $50 / 60 \mathrm{~Hz}$. Size: $4 \times 161 / 2 \times 91 / \mathrm{s}^{\prime \prime}$. Shpg. wt., $15 \frac{1}{4} \mathrm{lbs}$.
21 P $26043 W X$ X Model 3780 Kit No Money Down*
21 P 26050 WX Model 3780 Wired No Money Down*
Net 109.95
CORTINA 3080

50-WATT STEREO AMPLIFIER


Extremely compact, "Iow silhouette" design. Output: 50 watts $\pm 1 \mathrm{db} @ 4$ ohms. Response: 20 to $20,000 \mathrm{~Hz}$. Separation: 45 db . Sensitivity: Mas. Phono 3.8 mV ; Aux., and Tape 300 mV . Impedance: Mag phono 47 K ; Aux., and Tape 100 K ohms. Power Bandwidth: 20 to $30,000 \mathrm{~Hz}$. Output Imped., $4-16$ Ohms. Front panel stereo healphone jack. Includes vinyl clad metal cabinet. For 105 130 VAC ., $50 / 60 \mathrm{~Hz}$, Size: $31 / 8 \times 123 / 4 \times 631 / 4{ }^{\prime 2} \mathrm{D}$. Shpg. wt., 11 lbs.
Model 3080 Kit
21 P 26001 W No Money Down * Net 69.95 Model 3080 Wired
21 P 26019 W 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 circuitry for maximum sensitivity, selectivity, separation, and stability. Outputs for direct "off-the-alr" tape recording. Features disappearing black tuning dial. Speciflcation FM SECTION-Sensitlvity (IHF): $3.5 \mu \mathrm{~V}$. Harmonic Distortion: less than $1.75 \%$. Capture Ratio: less than $4 \%$. $\mathrm{S} / \mathrm{N}$ Ratio: 60 db . Stereo Separation: $33 \mathrm{db} @ 1 \mathrm{kHz}$.AM SECTION-Usable Sensitivity (IHF): 200 $\mu \mathrm{V} / \mathrm{m} . \mathrm{S} / \mathrm{N}$ Ratio: 45 db . Selectivity: 30 db . Includes vinyl metal cabinet. Sizes: $31 / 8 x$ $123 / 4 \times 63 / 4{ }^{\prime \prime}$. Shpg. wt. 9 lbs.
21 P 26027 W Model 3300 Kit Net 69.95 21 P 26035WX Model 3300 Wired 109.95

## 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 amplifler is needed. You wili be able to listen to the reflected sounds al ready present on your records and tapes that cannof normally be heard on a conventional 2 speaker stereo system. Requires no AC power. Size $31 / 3 H \times 6 W x 63 / 44^{\circ} \mathrm{D}$. Shpg. wt., 4 tbs.
Quatrasonic Kit
21 P 26068
Net 17.95
Quatrasonic Wired
21 P 26076
Net 29.95
CORTINA 3070 80-WATT STEREO AMPLIFIER

"All Silicon Solid State Design" offers powerful performance and trueto-life sound. Delivers 40 watts of continuous power per channel $\pm 1 \mathrm{lb}$ at 4 ohms, 35 watts HF of 4 ohms. Freq. Response: $5-100,000 \mathrm{~Hz}+1.5$ $\mathrm{db} ; 8-60,000 \mathrm{~Hz}+0.5 \mathrm{db}$. Hum and Noise: 72 db below rated output. Input Sensitivity: 4.2 mv on magnetic phono; 270 mv on aux iliary, tuner and tape. Input Impedance: 47 k ohm on magnetic phono; 110 k minimum on other inputs. Danish walnut vinyl clad case. For $105-130 \mathrm{~V} 50 / 60 \mathrm{~Hz}$ AC. $31 / \mathrm{a} \times 10 \times 73 / 4^{\prime \prime} \mathrm{D}$. Shpg. wt., $131 / 2 \mathrm{lbs}$.
21 P 25375 W Model 3070 Kit Net 99.95 21 P 253B3W Model 3070 Wired 139.95

## Build Your Own 50-Watt Hi-Fi Phono System LAFAYETTE, and GARRARD Components



EICO 3080
AMPLIFIER KIT


PICKERING PAT/E-1


2-LAFAYETTE
SK-228
$8^{\prime \prime}$ SPEAKERS

This fine performing kit builder's system consists of: EICO 3080 50-Watt Solid-State Stereo Amplifier Kit, 2-Lafayette SK-228 8 inch 3 -way Hi-Fi Speakers, 2-Lafayette walnut wood Bookshelf Speaker Enclosures, Garrard 408 4-Speed Automatic Record Changer with matching Dase, Pickering PAT/E-1 Elliptical Stereo Cartridge, and 100 ft . speaker hook-up cable. Shpg. wt., 80 lbs. 99 P 92595 WXM No Money Down* 212.95 50-Watt AM/FM Stereo Phono System-Same as above but also includes EICO 3300 AM/FM Stereo Tuner Kit. Shpg. wt., 86 lbs . 99 P 92603 WXM No Money Down* 275.90

# Solid-State Compact Home Music Systems NEW! SAMYO XXT. 4500 AM/FM/FM STeree Cassette Phono <br> $169^{\circ}$ <br> Includes Plastic Dust Cover, Microphone, and 30 Minute Blank Cassette Tape <br> This compact stereo system provides fine stereo reproduction from either stereo broadcasts, records, or cassetes. The GXT-4500 also lets you record on tape cassettes: "live" with mlcrophones, or electronically from the receiver, phonograph records, or from an external source. The receiver section includes a sensitive AM/FM/ FM stereo tuner, and a 25 -watt stereo power amplifier. Front panel includes stereo headphone jack. The record changer is 4 -speed with a highly reliable automatic changing mechanism and induction motor. The tone arm has a ceramic stereo turnover cartridge. The cassette tape deck includes an auto-stop mechanism. When a tape ends, in either record or play-back mode, the mechanism disengages automatically. Each bookshelf speaker enclosure contains a wide-range $61 / 2$ inch speaker. The control center and speaker enclosures are walnut-finished cabinetry. Includes a plastic dust cover, 1 microphone, and a 30 minute blank cassette. Size: Ea. speaker system, $131 / 2 \mathrm{H} \times 9 \mathrm{~W} \times 6^{\prime \prime} \mathrm{D}$; center unit $8 \mathrm{H} \times 20 \mathrm{~W} \times 13^{\prime \prime} \mathrm{D}$. Imported. For 117VAC, 60 Hz . Shpg. wt., 28 ibs. 24 P 67009WX No Money Down* <br> Net 169.95 <br>  

## NEW! TENNA HL-5105 AM/FM/FM Stereo 8-Track Music System

Handsome, modern design in rich walnut vinylclad wood. System includes a quality 8 -track solid-state $\mathrm{AM} / \mathrm{FM}$ stereo control center, and two air suspension speaker systems. The HL. 5105 8-track playback deck features patented fine-tuning control, tape head cleaner, fast forward, pushbutton program selector and tape eject push buttons, and illuminated track indicator lights. Power output is 10 -watts RMS ( 5 watts per channel), at $5 \%$ distortion. Each speaker system contains a $61 / 2$ inch dual-cone speaker with heavy-duty ceramic magnet and a $21 / 2$ inch tweeter. The control center has an FM stereo indicator light, 3 position speaker selector switch, FM tuning meter, loudness and AFC pushbuttons, lighted indlcation of mode selection, and a stereo headphone jack. The rear panel has provisions for connecting a record changer with a ceramic cartridge and a tape recorder, main and remote speaker jacks, external AM and FM antenna connections, and an AC convenience outlet. FM dipole antenna included. Size: speaker $13 \mathrm{H} \times 81 / 2 \mathrm{~W} \times 63 / 4 \mathrm{D}$ (includes Keyhole cllp for wall mounting), control unlt: $5 \mathrm{H} \times 21 \mathrm{~W} \times 10^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC}, 60$ Hz . Imported. Wt., 36 lbs. No Money Down*. 17 P 74710 WX


Newest Concept in Home Stereo Styling-Comes With Interchangeable Round and Square Corners To Suif Any Roam Decor

## NEW! DELUXE KLLH 34 FM/FM Stereo Music System

Combines the simplicity, convenience. and size of a three-piece music system with the versatility and performance level of individual components. The controf center consists of a Garrard automatic turniable, solid-state FM/FM stereo receiver, and two KLH Model 32 speaker systems. The 4speed Garrard turntable may be used both manually and automatically with 7,10 , and $12^{\prime \prime}$ records. The solidstate FM/FM stereo receiver features $2 \mu V$ useable sensitivity, IC multiplex decoder, and a power output of 20 watts RMS ( 10 per channel, both channels operating). The speakers are 2 way acoustic suspension systems, each containing an $8^{\prime \prime}$ woofer and $178^{\prime \prime}$ direct radiator tweeter. size: speak. ers $1933 \mathrm{sH} \times 107 / 8 \mathrm{~W} \times 7 \mathrm{~K}_{6}{ }^{" \mathrm{D}}$, control
 117VAC. 60 Hz , Shpg. wt., 80 lbs.
24 P 44222 WX .... Net 329.95
KLH Model 34AM-Same features, speclfications, and dimensions as the Model 34, but also includes a built-in AM tuner. Wt., 80 lbs.


## Ultra-Compact Criterion Hi-Fi Speaker Systems

## CRITERION "2X" 2 -Speaker 2-Way Acoustic Suspension System


$11^{\prime \prime} \mathrm{W} \times 7^{\prime \prime} \mathrm{D} \times 8^{1 / 4} \mathrm{H}$.
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 a.7 $16^{25}$

- 5" Acoustic Suspension Woofer with $7 / 8^{\prime \prime}$ 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 speaher system only $11{ }^{*} w_{i} x$ $7 " D \times 81 / 4 " H$. Provides astonishing music reproduction for its size. Perfect for use as main speakers with low-powered stereo ampilfiers or receivers... as remote or extension speakers in any existing stereo hl-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 unilmited. Fine sound quality results from the use of techniques employed in high-priced hi-fi speaker systems. $5^{\prime \prime}$ woofer in a sealed cabinet uses the well-known acoustic suspension principle to produce substantial bass from a system this size. A $31 / 2^{\prime \prime}$ tweeter 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 flberglassloaded to reduce unpleasant resonances-Wood cabinet has attractive walnut vinyl finish on all 4 sides with dark brown grille cloth. Overall response $60-19,000 \mathrm{~Hz}$. Crossover frequency 4000 Hz. Power Handling Cap.: 20 watts. Impedance: 8 ohms. Imported. 99 P 02388W Shpg. wt., 9 Ibs. ......Net Each 16.25

## CRITIDRION "25A" 2 Sneaker 2-Way Air Suspension 8" System



POWER HANDLING CAPACITY 25 WATTS

Only

5 Year AAB Guarantee
See page 415


- 8" Woofer, $2^{1 / 2} 2^{\prime \prime}$ Tweeter
- Frequency Response: $55-19,500 \mathrm{~Hz}$
- Rich, Hand Rubbed Oiled Walnut Finish

FULL SIZE PERFORMANCE . . . this outstanding ultra-compact Lafayette 2 speaher 2-way system achieves a purity of sound and music quality that is astounding for a speaker system measuring only $1233 \mathrm{~W} \times 7 \mathrm{D} \times 101 / 4 \mathrm{H}$. Perfect for use anywhere in your home or office. You get rich styling plus true high fidellty musle reproduction at a low, low price. System consists of a powerful $8^{\prime \prime}$ woofer which provides smooth bass sound reproduction down to 55 Hz , and $21 / 2^{\prime \prime}$ cone tweeter that gives you sparkling clean high frequency response. Also includes built-in $8,000 \mathrm{~Hz}$, electrical crossover network. power handling capacity of 25 watts makes it compatible for use with most amplifiers and receivers, Interior of cabinet is designed to damp out standing waves and other spurious vibrations. Specifications: Frequency Response: $55 \cdot 19,500 \mathrm{~Hz}$. Voice Coll impedance: 8 ohms. Woofer $8^{\prime \prime}$ high compliance with 32.6 oz, magnet structure; ralled edge suspension. Tweeter: $21 / 2^{\prime \prime}$ cone type with 2.4 oz . magnet structure. Electrical Crossover: $8,000 \mathrm{~Hz}$. Size: $123 \mathrm{bWx} 70 \times 101 / \mathrm{m}^{\mathrm{H}} \mathrm{H}$. Imported. Shps. Wt., $12 \mathrm{t} / 2 \mathrm{ibs}$.

## Quality Speaker Systems at Popular Prices

CRITERION* "50A" True 2.Way Bookshalf Speaker System

## ONLY 3195

## 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 hi-fi sound, yet measures only $107 / 8 \mathrm{H} \times 19 \mathrm{~W} \times 87 / 80 \mathrm{D}$. An $8^{\prime \prime}$ heavy-duty woofer with 3602 , magnet structure and $1^{\prime \prime}$ voice coil is acoustically matched to a $31 / 2^{\prime \prime}$ cone-type direct radiator twenter. Provides deep, rich bass down to 50 Hz with sparkling mid-range and high frequency reproduction to beyond audibility. Electrical crossover operates at $7,000 \mathrm{~Hz}$. Enclosure is bass reflex design using a ducted port of the tube type to provide proper acoustic "tuning" of the enclosure. The ducted port 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 of the speaker, providing substantially greater bass sound power from the system. Finished on all four sides in a rich, hand-rubbed oiled walnut veneer with beige acoustic grill material. Rated at 30 -watts. Designed for vertical or horizontal placement. Overall response: $50-19.000 \mathrm{~Hz}$. Nominal Impedance: 8 ohms. Imported. Shpg. wt., 18 lbs.
99 P 02131 W No Money Down* $\qquad$ Net 31.95

## CRITERION" "77"

3-Speaker 3-Way Bookshelf Acoustic Suspension Speaker System

## ONLY <br> $42^{45}$

## POWER HANDLING CAPACITY 30 WATTS

- $81 / 2$ " Woofer with $13 / 4 \mathrm{Lb}$. Magnet Structure and 1 " Voice Coil
- $31 / 2$ " Mid-Range Speaker with $1 / 2^{\prime \prime}$ Voice Coil
- $11 / 2$ " Direct-Radiator Type Tweeter
- Crossover Frequencies: 3,000 and $10,000 \mathrm{~Hz}$
- High Frequency Brilliance Control
- Rich, Hand-Rubbed Oiled Wainut Finish

5 Year AAA Guarantee see Page 415 SYSTEM DESIGN -

Sealed, Fiberglass-filled enclosure ${ }^{\text {* }}$


Expert combining of components for outstanding performance at an unbelievable low price! Heavy-duty $8 \frac{1}{2 \prime \prime}$ woofer in a sealed fiberglass-filled enclosure uses the well-known acoustic suspension principle to extend response down to a low 40 Hz , assuring deep, natural bass with outstanding clarity and impact. Reliable 31/2" cone-type mid-range speaker reproduces clean, ful! bodied sound throughout the important middle frequency range. Sharply detailed high frequency reproduction is accomplished with a $11 / 2^{\prime \prime}$ direct radiator 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 reas) permits you to tailor the sound to your specific room acoustics. Handsome wainut 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. Imported. Size: $19 \% \mathrm{~W} \times 107 / \mathrm{H}_{\mathrm{H}} \times 81 \mathrm{~K}_{6}$ "D. Shpg. wt. 19 h lbs. 99 P 02321W No Money Down*

Net 42.45

## Lafayetie CRITERION ${ }^{\bullet}$ 100B’ 40-Watt 10" 3-Speaker 3-WayBookshelf System

## POWER HANDLING CAPACITY 40 WATTS <br> $52^{15}$ <br> No Money Down* <br> Magnificent Full Range Sound Reproduction from a 10-inch System

## 5 Year Adtd Greasaniee

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 Designed With Perfectly Matched Components



## * Powerful $10^{\prime \prime}$ Woofer with $5^{1 / 2}$ Lb. Magnet Structure and $2^{\prime \prime}$ Diameter Voice Coil $\star 3^{1 / 2 \prime \prime}$ Mid-Range Speaker $\star 11 / 2^{\prime \prime}$ Direct Radiator Super Tweeter <br> - "Tuned" Enclosure with Tube-Type Ducted Port <br> - Full $12 \mathrm{db} /$ Octave Electrical Crossover Network at 3,500 and $10,000 \mathrm{~Hz}$ <br> - Overall Response $30 \cdot 19,000 \mathrm{~Hz}$ <br> - High Frequency Brilliance Control

Top quality, moderately priced 3 -speaker 3 -way system that delivers really "big" sound. Equipped with 3 separate speakers for widerange response-a powerful 10 -Inch woofer with a $51 / 2 \mathrm{lb}$. magnet structure, a $31 / 2^{\prime \prime}$ midarange speaker, and a $11 / 2^{\prime \prime}$ 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 H ght 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 olled walnut veneer and tastefully framed in an ebony and gold picture frame molding with white and gold acoustic grill material. Highly efficient operation assures rich, full-bodied sound even with low-power amplffiers. For vertical or horizontal placement. Dimensions are $211 / 2 \mathrm{~W} x$ $113 / 4 \mathrm{H} \times 93 / 4 " \mathrm{D}$. Overall frequency response: $30-19,000 \mathrm{~Hz}^{2}$ crossover frequencies- 3,500 and $10,000 \mathrm{~Hz}_{\text {; }}$ nominal impedance: 8 ohms; power handling. capacity 40 watts program material. Imported. Shpr. wt., 29 lbs.
99 P 02115W
Net 52.15

## 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 radlated from the front and thus provides substantially greater bass sound power from the system. Solid wood construction plus the use of sound absorbent materlal ensures an extremely figid enclosure free of undesirable resonances. A powerful 10 -inch speaker with a $51 / 2 \mathrm{lb}$. magnet structure provides reproduction of the low frequencies down to 30 Hz . A $31 / 2^{\prime \prime}$ cone-type mid-range speaker covers the mid.range frequencies, and a $12 / 2^{\prime \prime}$ direct radiator type super tweeter reproduces the high frequencles. Smooth transition is achieved by means of electrical crossover at 3,500 and $10,000 \mathrm{~Hz}$.

# Lafavetite CRITERION " 150 A" 

## 3-Way Acoustic Suspension Speaker System



## POWER HANDLING CAPACITY 40 WATTS

No Money Down *

- Overall Response 30 to $20,000 \mathrm{~Hz}$
-10" Acoustic Suspension Woofer with $2 \frac{1 / 2}{} \mathrm{lb}$. Magnet Structure and $1 / 4$ " Edge-Wound Copper Voice Coil
- 3" Cone Type Mid-Range/Tweeter
- $1^{11 / 2 "}$ 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 reproduction from a compact enclosure. The system's main working element is a special 10 inch highly compllant woofer with a 2 ib .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 $3^{\prime \prime}$ cone-type driver provides natural reproduction of the upper midrange and lower-high frequencies and assures authentic "presence". The extreme high frequencies are extended cleanly to beyond the limits of hearing by a $11 / 2^{\prime \prime}$ 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 frequency "brilliance" control on the rear of the cabinet. This enables balance of high frequency tones to suit individual tastes and match various room conditions. The enclosure is of solid $5 / 8^{\prime \prime}$ wood construction with fiberglass packing to virtually eliminate undamped resonance. All four sides are finished in luxuriant hand-rubbed oiled walnut with handsome beige grille. Imported, Shelf size: $19 W \times 11 H \times 87 / 8 " \mathrm{D}$. Shpg. wt., $211 / 4 \mathrm{lbs}$.
99 P 02222W
Net 59.95

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## 5 Year Asted Guaraniee

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.


# Lafayetie CRITERION ${ }^{\text {Ore }} 4 \mathbf{X}^{99}$ Deluxe 4-Speaker, 4-Way, 12" Speaker System 



## $74^{50}$ <br> No Money Down ${ }^{\text {* }}$

- Overall Response 25 to $20,000 \mathrm{~Hz}$
- Enclosure Uses "Sonic Tube" for Enhanced Bass
- 12 " Woofer has $41 / 2 \mathrm{lb}$. Magnet Structure and 2" Voice Coil
- 5" Midrange Driver in its Own Sub-Enclosure
-3" High Frequency Tweeter
- 13/2" Super-High Frequency Tweeter
- Fine Furniture Finish in. Rich, Oiled Walnut

Here's a bookshelf speaker system that offers big, full-voiced sound at an extremely modest price-a combination that is sure to make this system one of our most popular. It's a carefully engineered 4 -5peaker 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 effortlessly...thrillingly life-like in its quality. A big $12^{\prime \prime}$ woofer operating in a rigid fiberglass-filled enclosure with a fube-type ducted port (sonic tube), provides deep, enhanced bass. A $5^{\prime \prime}$ mid-range speaker housed in its own fiberglassfilled chamber and acoustically isolated from the main bass enclosure, assures $s$ mooth, peak-free reproduction in the important mid.range. Two high frequency units cover the upper musical ranges —a $3^{\prime \prime}$ speaker from 5,000 to $10,000 \mathrm{~Hz}$, and a $11 / 2^{\prime \prime}$ super tweeter from $10,000 \mathrm{~Hz}$ to $20,000 \mathrm{~Hz}$. These units provide brilliant reproduction of the highs right out to Inaudibility. System finished in rich oiled walnut veneer (on four sides for vertical or horizontal placement) plus a subdued dark brown grille cloth. Includes high frequency and mid-range controls which permit adjustment of the tonal response, polarized input terminals. Dimensfons: $22 \times 141 / 4 \times$ $115 / 8^{\circ} \mathrm{D}$. Imported. Shpg. wt. 391/4 lbs.
99 P 02370 WX
Net 74.50

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## POWER HANDLING CAPACITY 50 WATTS

## 5 Year Ached Gurtanke

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.

## Perfectly Matched Components



Rigid, Fiberglass-Filled
4-way LC Crossover Enclosure ( $3 / 4^{\prime \prime}$ wood construction) Network (interior)

## LaFAYETTE CRITERION ${ }^{\text {ec }} \mathrm{VI}^{\text {" }}$ <br> Deluxe 50 Watt 6-Speaker 4-Way Bookshelf System

 that only multip!e speakers can produce... and at an unbeatable price too! Every musical instrument is reproduced with brilfiant realism because there are 6 speakers covering four portions of the entire audio spectrum. There's a big 12 "' speaker for the lows, a $5^{\prime \prime}$ unit for the midrange, two $3^{\prime \prime}$ tweeters for the highs and two $11 / 2^{\prime \prime}$ super tweeters for the ultra high frequencies. The enclosure is also equipped with 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 all, this system is efficient enough for use even with low powered stereo components - actually makes them sound better too! Yet, because it can handle up to 50 watts of power, you can also use this system safely wlth high powered components, either now or in the future. Includes continuously variable midrange and high frequency level controls and poiarized terminals. Enciosure is of $3 / 4$ " construction and is fiberglass filled. Tastefully styled with a fine furniture finish of oifed walnut on four sldes for vertical or horizontal placement, elther on a shelf or floor standing. Snapout front panel with subdued dark brown tweed grille cloth that blends unobtrusively with any decor. SPECIFICATIONS: Overall Response: $20-20,000 \mathrm{~Hz}$. Power Handling Capacity; Up to 50 Watts. Impedance: 8 ohms. Crossover Frequencies: 800 and $5,000 \mathrm{~Hz}$ (6 db /octave LC network), $12,000 \mathrm{~Hz}$ (mechanical). Controis: Contin. Hously Variable Midrange and High frequency. Enclosure: DuctedPort System using Tuned "Sonic Tube". Speaker Components: 12 " Bass Speaker ( $20-800 \mathrm{~Hz}$ ), $5^{\prime \prime}$ midrange $\left(800-5,000 \mathrm{~Hz}\right.$ ), two $3^{\prime \prime}$ High Frequency Units ( $5,000-12,000 \mathrm{~Hz}$ ), two $11 / 2^{\prime \prime}$ Super High Frequency Units ( $12.000 \cdot 20,000 \mathrm{~Hz}$ ). Dimensfons; $24 \times 141 / 2 \times 12$ "D. Imported. Shpg, wt., 41 lbs.
99 P 02263WUX
Net 99.95

## SYSTEM DESIGN



# LAFAYETTE CRITERION ES85 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 $\mathbf{2 5 , 0 0 0}$ Hz With Extreme Clarity

## 8" Low Frequency Transducer That Reproduces Deep Bass Response Down To 45 Hz .

## 5000 Hz . Electrical Crossover Network

A professional quality electrostatic speaker system with 4 tweeter elements and a low frequency transducer at an amazing low price. This outstanding system is characterized for Its ability to faithfully reproduce the high frequencles with crystal clear clarity because of the electrostatic tweeter elements. As these types of tweeters re. quire 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 amplifiers rated over 12 watts per channel. The handsome oiled 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 $113 / 4$ $\times 213 / 8 \times 81 / 2^{\prime \prime}$. Imported. Shpg. wt., 25 lbs. 99 P 02719 No Money Down* $^{2}$

Net 64.95

# LAFAYETTE CRITERION " $5 \times \mathrm{XB}^{\prime}$ 75-WATT 12" 4-WAY ACOUSTIC SUSPENSION SYSTEM 

Our finest bookshelf system uses the acoustic suspension principle for astonishing overali range and clarity, with a deep, solid bass response that makes a stunning impact on the listener. Four outstanding speakers are used to cover the full spectrum of sound. A $12^{n}$ acoustlc suspension woofer with 6 lb .2 oz . magnet structure produces remarkably low bass response-undistorted even at high power level. An acoustically isolated $6 \frac{1}{2} 2^{\prime \prime}$ mid-range speaker with 12.4 oz . magnet structure provides flawless reproduction of the mid-rangefree of annoying peaks, yet adding true "presence" to the system.

12" Acoustic Suspension Woofer with Massive 6 lb . 2 oz. Magnet Struc. ture

61/2" Midrange Speaker
with 12.4 ox. Magnet
Structure Acous.
tically isolated
from Main Enclosure


11/2" Super Tweeter

Fully air-tight 3/4" Wood Fiberglas Loaded Enclosure

Individual Mid and Treble Range Controis (rear)

3' Cone Type Tweeter

## System Design

Extending response to beyond audibility are $3^{\prime \prime}$ and $11 / 2^{\prime \prime}$ tweeters. Low loss $12 \mathrm{db} /$ octave crossover at 800 Hz and $4,500 \mathrm{~Hz}, 6 \mathrm{db} /$ octave crossover at $10,000 \mathrm{~Hz}$. Air-tight. Separate, continuously variable mid and treble range controls. Enclosure has a fine furniture finish in oiled wainut on all four sides. Specifications-Overall Response: 18 to $25,000 \mathrm{~Hz}$. Impedance: 8 -ohms. Size: $237 / \mathrm{s}^{2} \times 143 / 4 \times 11 \% /{ }^{\circ} \mathrm{D}$. Im. ported. Shpg. wt., 46 lbs.
99 P 02230 WUX No Money Down*

## LAFAYYTTE's Best Floor Standing Speaker Systems

## LAFAYETIE Criterion " 88 " 3-Speaker 3-Way Acoustic Suspension Consolette Speaker System



- $10^{\prime \prime}$ Woafer
- 3" High Frequency Driver
- $11 / 2^{\prime \prime}$ 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



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, Jazz, and Popular Music Listening
3 VOCAL-Emphasizes Mid-Range Frequencies to Project Voice Reproduction-thus Adding Presence

## Handies Up To 40-Watts Program Material

Only a leader in speaker design, like Lafay- upper mid.range and tower high frequencies. ette, could offer a system like the Criterion The extreme high frequencies are extended 88. Features the renowned acoustic suspen- cleanly beyond the limits of hearing by a sion principle, plus an extraordinary new design concept-a bultt-in "program opti. mizer" to tailor the sound to the characterIstics of the material being reproduced. Its perfectly matched speaker components include a big $10^{\prime \prime}$ alr-suspension woofer with a 2 lb .8 oz . magnet structure to extend bass down to 20 Hz . A closed back $3^{\prime \prime}$ cone-type driver provides natural reproduction of the
$11 / 2^{\prime \prime}$ super-tweeter with an aluminum cone. full range response from 20 to $20,000 \mathrm{~Hz}$. In addition to the "program optimizer" there is a high frequency brilliance control on the rear. The Criterion 88 is finished on all 4 sides in rich, hand rubbed oiled walnut veneer. Impedance 8 ohms. Imported. Siza: $241 / 2 \mathrm{H} \times 15 \mathrm{~W} \times 91 / 4^{\prime \prime} \mathrm{D}$. Shpg, wt., 32 lbs. 99 P 02693W No Money Down* Net 89.95

# LAFAYETIE Griterion "90" 100 Watt 6-Speaker 4-Way Acoustic Suspension Consolette Speaker System 



## The Finest Reproducer of Sound Offered by LAFAYETTE for the Home . . . <br> $169^{95}$

5 Yr. AAA Guarantee
See Page 415

- Overall Response $18-25,000 \mathrm{~Hz}$
- Powerfu 12" Acoustic Suspension Woofer with over 6.1-1b. Magnet Structure and Edge-Wound Ribbon-Type Copper Voice Coil on an Aluminum Form
- $61 / 2^{\prime \prime}$ Acoustically Isolated Midrange Speaker with 12-0z. Magnet Structure
- Four Tweeters-Two 3" Tweeters and Two 11/2"Super Tweeters
- Separate Midrange and High Frequency Level Controls
- 3/4" Enclosure in Rich, Hand-rubbed Oiled Walnut Finish

Lafayette's finest speaker system ever! Professional styling, unbelievable tonal purity. A no-compromise, 6 -speaker system designed to bring the spectacular realism of a live performance right into your home. This major accomplishment was achieved by care. ful sefection and design of speaker units enclosure. A specially designed $12^{\prime \prime}$ acoustic suspension woofer in a large air-tight enclosure over $31 / 2$ cubic feet in overall slize results in remarkably powerful, solid bass. Added to this is an acoustically isolated $61 / 2^{\prime \prime}$ midrange speaker that offers 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 coverling the 3,500 to $5,000 \mathrm{~Hz}$ range, and two are ultra-high frequency $11 / 2^{\prime \prime}$ aluminum cone units that extend response to well beyond audibility, crossover frequencjes: 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: $30^{\prime \prime} \mathrm{H} \times 18^{\prime \prime} \mathrm{W} \times 12^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., 67 lbs.

99 P 02701 W No Money Down ${ }^{\circ}$ Net 169.95

# Acoustic Suspension Speaker Systems by 

AR SPEAKER BASES


Size: $11 \times 14 \frac{1}{2} \times 13$
Shipping Weight 4 lbs .
21 P 72419 Woiled Wal. . Net 10.00
21 P 72401 W Unf. Birch Net 10.00

## AR's 5-YR. SPEAKER GUARANTEE <br> AR speakers are sold under the manufacturer's 5 -year guarantee covering parts, labor, freight both ways, and packaging if necessary



## As Low As $57^{00}$

No Money Down*

As Low As
$72^{00}$
No Money Down*

As Low As 1090
No Money Down*

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

Low cost acoustic suspension speaker system. Designed to give a superbly clean, realistic bass response and clear, crisp highs by utilizing the famous acoustic suspension principle. It incorporates an $8^{\prime \prime}$ woofer and a $21 / 2$ inch direct radiator tweeter with level controi to compensate for different acoustic conditions of your listening room. Electrical crossover frequency is 1200 Hz . A compact ( $19 \mathrm{~W} \times 10 \mathrm{H} \times 9^{\prime \prime} \mathrm{D}$ ) unit for floor or shelf-mounting. Suitable for use with amplifiers of 15 watts RMS or more per chan. Imp: $8 \mathbf{o h m s}$. Wt., $221 / 2 \mathrm{lbs}$. 21 P 72492 W Oiled Wainut Net 63.00 21 P 72500 W Unfinished Pine

Net 57.00

## AR-6 2-WAY ACOUSTIC SUSPENSION SYSTEM

Outstanding performing 2 -way acoustic suspension system at a modest cost. Uses only 2 drivers-an $8^{\circ}$ woofer with heavy molded cone supported at the outer edge with a urethane polymer suspension, and a wide dispersion $11 / \mathbf{2 n}^{\omega}$ tweeter with smooth response beyond 20 kHz . besigned for use with ampilfiers 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., $251 / 2 \mathrm{lbs}$. 21 P 72823 W Oiled Wainut 21 P 72831W Unfinished Pine

Net 81.00

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

## Precision-made components plus the famous acoustic suspension design de-

 liver truly magnificent sound. Includes $10^{\prime \prime}$ woofer for natural bass response; $31 / 2^{\prime \prime}$ direct radiator mid-range for realism and a $1 / 4^{\prime \prime}$ dome type super tweeter providing highs out to the limits of audibility. Frequency response, $42-20.000 \mathrm{~Hz} \pm 21 / 2 \mathrm{db}$. Less than $2 \%$ harmonic distortion down to $60 \cdot \mathrm{~Hz}$ Has 2 level controls. Designed for use with ampliflers rated at 20 watts RMS per channel. Finished on 4 sides. $24 \times 111 / 2 \times 131 / 2^{\prime \prime}$. Imp.: 8 phms. Shpg. wt., $401 / 2 \mathrm{lbs}$.21 P 72070W Oifed Walnut .......................................................................... 128.00
21 P 72054W Unfinished Pine
Net 109.00

## AR-5 3-WAY ACOUSTIC SUSPENSION SYSTEM

## As Low As $156^{\circ 0}$

No Money Down*


Deluxe AR bookshelf system! Provides superb tull-range frequency response. System features a new 10" acoustic suspension woofer utilizing AR's most advanced cone design, $11 / 2^{*}$ mid-range and $3 / 4^{*}$ tweeter each have independent 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: $131 / 2 \times 24 \times$ $111 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt. 46 lbs
21 P $72716 \mathrm{~W} U \mathrm{X}$ Oiled Walnut Pine Net 175.00 Net 156.00
AR-3A DELUXE 3.WAY ACOUSTIC SUSPENSION SYSTEM
Acoustic Research's finest speaker system, Features a powerful $12^{\prime \prime}$ wooter with $31 / 4 \mathrm{lb}$. magnet, hemispherical direct radiators for the mid-range and tweeter units with $11 / 2^{\prime \prime}$ and $3 / /^{\prime \prime}$ domes, respectively. Frequency response from 38 Hz to $20,000 \mathrm{~Hz}( \pm 2 \mathrm{db})$. Woofer crossover frequency at 575 Hz ; midrange from 575 Hz to 5 kHz ; and the tweeter from 5 kHz up. Designed for use with amplifiers rated at 25 watts RMS per channel. Impedance; 4 ohms. Cabinet finished on 4 sides. Size: $14 \mathrm{H} \times 25 \mathrm{~W} \times 113 / \mathrm{s}^{\prime \prime}$. Shpg. wt., $611 / 2 \mathrm{lb}$. 21 P72658WX Oiled Wainut
21 P 72708 WX Unfinished Pine
.Net 250.00

- See Page 23 for Full Details on Easy Pay Plan


# SENSATIONAL SPEAKER VALUES FROM UTAH When You Buy a Pair 



## $\underset{\text { ONE }}{\substack{\text { ONSEM } \\ \text { SYSTEM }}} 119^{95} \left\lvert\, \begin{gathered}\text { TWO } \\ \text { SYSTEMS }\end{gathered} 120^{95}\right.$

A fantastic speaker offer! Get two 3-speaker, 3-way acoustic suspension systems for less than $\$ 61$ each. The powerful $12^{\prime \prime}$ woofer has a $21 / 2 \mathrm{lb}$. magnet structure with a $11 / 2^{\prime \prime}$ copper voice coil to deliver deep, rich bass down to 30 Hz . The midrange frequencies are reproduced thru a $31 / 2^{\prime \prime} \times 8^{\prime \prime}$ compression horn with an 802 . magnet structure and a $1^{\prime \prime}$ copper voice coil. A horn-loaded dome radiator tweeter delivers clear, crisp high frequencies to $20,000 \mathrm{~Hz}$. Electrical crossover at 4,500 and $9,000 \mathrm{~Hz}$. Rear mounted brilliance control. Handsome $3 / 4^{\prime \prime}$ walnut veneer cabinet. Power handling capacity: 60 -watts peak. Impedance: 8 ohms. Size: $14 \times 24 \times 123 / 8{ }^{\prime \prime} 0$. Shpg. wt., 37 Ibs.
21 P 47445W One System-No Money Down* $\qquad$ Net 119.95 Two Systems Shpg. wt., 74 lbs.. Net 120.95

UTAH A120 12" 3-Way Acoustic Suspension Speaker System

- Power Handling Capacity: 60-Watts Peak
- Frequency Response:
$30-20,000 \mathrm{~Hz}$
- Rear Mounted Brilliance Control
-3/4" Walnut Wood Veneer Cabinet


## SYSTEM DESIGN

12" Woofer with $21 / 2 \mathrm{lb}$.

Horn Loaded Dome Radiator High Frequen. cy Tweeter

Magnet Structure


Electrical Crossover Network at 4,500 and $9,000 \mathrm{~Hz}$
$31 / 2^{\prime \prime} \times 8^{\prime \prime}$ Midrange Compression Horm

## UTAH C12PC-2 12" 2-Way Hi-Fi Speaker

- Peak Power Handling-45 Watts
- Rigid Die-Cast Frame
- Asymmetric Design Assures Free Cone Movement
- Finger-Tip Spring Loaded Terminals
- Frequency Response: $25-19,000 \mathrm{~Hz}$

Utah's Model C12PC-2 "Celesta" 12" 2-way speaker provides the newest shape in sound. The chassis is cast under extremely high pressure to assure perfect, lasting alignment of critical moving parts. Spring loaded, finger-tip terminals are easy-touse and are color coded for easy stereo phasing. Response: 25 $19,000 \mathrm{~Hz}$. Peak power handling capacity: 45 .watts. Resonant frequency: 50 Hz . Voice Coil Diameter: $1 / 12^{\prime \prime}$. Magnet weight: 20 oz . Impedance: 8 ohms. Overall depth: $5^{1} \mathrm{k} \mathrm{o}^{\prime \prime}$. Wt., 11 Jbs .
21 P 47411 W One Speaker
Net 26.50

Two Speakers Wt., 22 lbs.....Net 27.50


# RECTILNEAR'S Best Selling Speaker Systems 

Shpg. wt., 32 lbs.
21 P 86054W

MODEL XI 2-WAY BOOKSHELF SYSTEM

No-Money Down*


Max. Power Handling Capacity 40 watts RMS.

Two.way speaker system utilizing an extended range $10^{\prime \prime}$ woofer and an extendedrange $3^{\prime \prime}$ tweeter. The enclosure uses tubevented bass reflex design for high efficiency without loss of bass response. Crossover fre. quency: 1800 Hz . Minimum Power Requirement, 10 watts RMS. Max. Power 40 watts RMS Impedance 8 ohms. Response 45 to 17.000 Hz . Tweeter level control. Oiled wal. nut wood cabinet. Sizes: $23^{\prime \prime} \times 12^{\prime \prime} \times 101 / 2^{\prime \prime}$
.......Net 79.50


## Max. Power Handling

 Capacity 75 watts RMSDesigned to provide the listener with a loudspeaker of more accurate response and lower distortion without exceeding the dimensions of a bookshelf type system. Utilizes a $10^{\circ}$ woofer, $5^{\prime \prime}$ midrange with a $2^{\prime \prime}$ wh:zzer cone, and $21 / 2^{\prime \prime}$ tweeter. Completely enclosed cabinet incorporates an airtight internal shelf that isolates the woofer from the midrange and tweeter. Freq. response $30-20.000 \mathrm{~Hz} \pm 4 \mathrm{db}$. Crossover Freq. 100 Hz and 8000 Hz . Diled walnut finish. Im. pedance 4 -0hms. Size: $25^{\prime \prime} \times 14^{\prime \prime} \times 10^{3} 4^{\prime \prime}$ 21 P 86062 WX Wt., $5 \mathrm{U} \mathrm{y}_{4}$ lbs..... Net 199.00

MODEL III 6 SPEAKER 4-WAY CONSOLETTE SYSTEM

27900

## No Money

 Down*
## Handles up

to 100 Walts
Provides concert hait realism. Brifliant smooth response from 22 to 18.500 Hz .12 wooter has a 10 pound magnetic structure Mid-range driver operates from 250 to 3000 Hz and is mounted in a fiber sub enclosure within the main cabinet. Two fweeters cover the 3.000 to $11,000 \mathrm{~Hz}$ range with two additional super tweeters carrying audio frequen. cies to inaudibility. Min. power requlrements: 20 watts RMS; Max. power 100 watts RMS. Two controls: Midrange, tweeter. Impedance: 8 -ohms. Difed walnut finish. Size: $35 \times 18 \times 121 / 4^{\prime \prime} \mathrm{D}$. Shpg. wt., 68 lbs. 21 P 86039WX

Net 279.00

## UTAH Hi Fi Speakers and Speaker Systems



Model HF12PC-NF 12" 3-Way Co-Ax-Rigid die-cast frame, Coaxially mounted compression tweeter, mid-range cone. Cloth roll to enhance bass performance. Power handling capacity 45 watts. Frequency response $23-20,000 \mathrm{~Hz}$. Impedance, 8 -ohms. Shpg. wt., 13 lbs .
21 P 47452 W No Money Down* $\qquad$
Model C12PC. 3 12" 3-Way Co.Ax—Rigid, pressure cast frame. High compliance cloth roll for low-free air resonance of 25 Hz . Peak power handling capacity 45 Hz . Frequency response, $25-20,000 \mathrm{~Hz}$. Impedance, 8 -ohms. Shpg. wt., 12 lbs .
21 P 47460W No Money Down*
Net 37.50
Model HF8PC-3 8" 3-Way Die-Cast Speaker-Cloth roll suspension. Peak power handling capacity 35 watts. Frequency response 28 $19,500 \mathrm{~Hz}$. Impedance 8 -ohms. Shpg. wit., 7 lbs .
21 P47478W
Net 29.95
Model MF12PC-2A 12" 2-Way Mi-Fi Speaker-Die-Cast Frame, Cloth roll suspension. Peak power handling capacity 45 watts. Frequency response $23-19,000 \mathrm{~Hz}$. Impedance $8 \cdot 0 \mathrm{hms}$. Shpg. wt., 12 lbs . 21 P47486W

Net 28.50
Model HFsjc. $38^{\prime \prime}$ 3.Way Co-Ax-Die-Cast Frame. Cloth roll suspension. Peak power handling capacity 30 watts. Frequency response 32-20,000 Hz . Impedance 8 -ohms. Shpg. wt., 6 lbs .
21 P $47494 W$
Net 24.95


MK-20 $12^{\prime \prime} 3$ Speaker 3.Way Acoustic Suspension System-Handsome oiled walnut finish $3 / 4^{\prime \prime}$ wood cablnet. $12^{\prime \prime}$ high compliance woofer, $8^{\prime \prime}$ midrange, and $34 / 2^{\prime \prime}$ sealed back tweeter. Brilliance control on rear panel for adjusting high frequencies to the acoustics of the listening room. Peak power 50 watts. Response $30-18,000 \mathrm{~Hz}$. Impedance 8 ohms. Size $14 \times 23 \times 10^{\prime \prime}$. Shpg. Wi., 33 los. 21 P 47502 W No Money Down*

Net 99.95 A85 12" 3 Speaker 3-Way Acoustic Suspension System-Features $12^{\prime \prime}$ woofer, $8^{\prime \prime}$ direct radiator midrange and $31 / 2^{\prime \prime}$ tweeter. $3 / 4^{\prime \prime}$ wood enclosure veneered with fine walnut and trimmed with a solid walnut front frame. High frequency control. Power handling 60 watts peak. Response $28-18,000 \mathrm{~Hz}$. Impedance 8 -ohms. Size $14 \times 23 \times 10^{\prime \prime}$. Shpg. wi., 35 lbs.
21 P 47510 N No Money Down* $\qquad$ ..Net 89.95
MK-15 10" 2-Way Speaker System-Ducted port system provides marvelously efficient, deep throated bass. $10^{\prime \prime}$ woofer, $31 / 2^{\prime \prime}$ tweeter and crossover. High frequency brilliance control. Peak power, 30 watts. Response $45-18,000 \mathrm{~Hz}$. Impedance 8 -ohms. Hand-rubbed oiled walnut finished wood cabinet. $123 / 4 \times 201 / 4 \times 91 / 2^{\prime \prime}$.Shpg. Wt., 24 lbs 21 P 47528 N No Money Down* .................................Net 79.95 A60 10" 3 -Way Acoustic Suspension System- $10^{\circ}$ woofer, $6^{\prime \prime}$ cone type midrange, $31 / 2^{\prime \prime}$ tweeter. Impedance 8 -ohms. Power handling 20 watts. Response $45-18,000 \mathrm{~Hz}$. Wood cabinet with oiled walnut finish. Size $12 \times 22 \times 8^{\prime \prime}$. Shpg. wt., 23 lbs. 21 P 47536 W No Money Down*

# Wharfedale ADC, \& ALTEC LANSING Speaker Systems 



WHARFEDALE WGOE 3-way Speaker System

- 12" Woofer With $9^{1 / 2}$ lb. Magnet Structure
- 5" Midrange
- 1" Mylar Dome Super Tweeter

Redesigned $12^{\prime \prime}$ woofer with molded one-piece cone, high excursion neoprene surround, and massive $91 / 2$-lb magnet assembly. $5^{\prime \prime}$ midrange, in is olated non-reflecting cylindrical chamber. 1 " mylar dome super tweeter has phase compensating diffuser. All speakers are front-1oaded. Genuine oiled walnut cabinet. Response: $30-20,000$ Hz; Impedance 8 ohms. Power: Min. 15 watts, Max. 60 watts (IHF per channel). Size: $24 \times 15 \times 12^{\prime \prime}$ deep. Imported. Shpg. wt., 55 lbs. 21 P 75537 wx No Money Down ${ }^{\circ}$

Net 149.95

WHARFEDALE W25 2-way Acoustic Suspension System


Big 8" woofer provides rich, deep bass. Crystal clear treble from a new ultracurvilinear tweeter for smooth wide-angle dispersion of sound. Components are frontloaded. Cabinet is genulne oiled walnut and uses new "unitized" construction to elim. inate spurious buzzing. Response: $35-18,500$ $\mathrm{H}_{2}$; Imp. 8 ohms. Power: Min. 10 watts, Max. 35 watts (IHF per channel). Size: $15 \$ / 2 \times 10 \times$ 8"D. Imported. No Money Down*
21 P 75578 Wh Shpg. wt., 16 yzalbs. Net 54.95

## ALTEC LANSING 887A 2-Way

Acoustic Suspension System

## WHARFEDALE W35 3:way Shelf/Corner Speaker System



Exceptlonal performance from heavy-duty 8 " woofer, $31 / 4^{\prime \prime}$ mid-range and $21 / 2^{\prime \prime}$ ultracurvilinear tweeter. Components are frontloaded to reduce cabinet edge reflections. Air-tight, sturdy cabinet is genuine oiled watnut. Response: 35 to $18,500 \mathrm{~Hz}$; Imped. ance 8 ohms. Power: Min. 10 watts; Max. 40 watts ( 1 HF per channel). Dimensions: $15^{\prime \prime} x$ $15^{\prime \prime} \times 8^{\prime \prime}$ deep. Shpg. wt., 22 lbs . 21 P $75552 W$
.....Net 79.95 21 P 75560 W - $12 / 2 \mathrm{lbs}$.
21 P $75560 W$
.Net 4.00
NEW! ALTEC LANSING 891A 2-Way Bookshelf System


POWERFUL 12" WOOFER

POWER RATING: 50 WATTS

## $125^{\circ \prime}$

NEW
$79^{90}$

- $8^{\prime \prime}$ Low-Frequency Driver
- $3^{\prime \prime}$ Direct Radiator Tweeter

Designed for high performance without sacrificing compact size, the 887A has an $8^{\prime \prime}$ acoustic suspension low frequency speaker, $3^{\prime \prime}$ direct radiator tweeter, and 2500 Hz crossover network with high-frequency control. Oiled walnut cabinet. Freq. resp.: $50-$ 18 kHz . Imp. 8 ohms. Power Rating: 45 watts. Size: $19 \mathrm{~W} \times 10 \mathrm{H} \times 9^{\prime \prime} \mathrm{D}$. Wt., 23 lbs . 21 P 46090W ...........................Net 79.50

## WHARFEDALE W70E 3-way Floor Standing Speaker System

## 



Model Seventeen $10^{\prime \prime} 2$-Way Acoustic Suspension System Full-range two-way system offering a high level of musical enjoyment. 10" acoustic suspension woofer provides extended bass response; $13 / 4^{"}$ direct radiator type tweeter provides smooth peakfree highs as well as exceptional performance at the mid-frequencies. 3-position high frequency control permilts matching the system to any acoustic environment. Housed in a completely sealed, fiberglass filled, oiled walnut, $3 / 4^{\prime \prime}$ furniture grade cabinet. Alf four sides finished for vertical or horizontal placement. Impedance: 8 ohms. For use with ampliflers of 12 watts IHF or more. Size: $113 / 4$ $\times 231 / 5 \times 9 \%$. Shpg. wt., 30 lbs .
21 P 44210 W No Money Down*
Net 74.95

## NEW! Model 32 2-Way Acoustic Suspension System

Fine sounding, low priced 2 way 8 ohm speaker system utilizes the acoustic suspension principle. Genuine walnut veneer cabinet measures $193 / \mathrm{sH} \times 10 \% \mathrm{~mW} \times 7 / 10 \mathrm{D}$. Designed for use with stereo amplifiers handling up to 10 watts IHF per channel. Uses an 8 -inch low resonance high compliance woofer and a 2 -inch direct radiator dome tweeter with LC crossover network. Shpg. wt., 21 lbs. 21 P $44293 W$ No Money Down*


Model 5
$189^{95}$


Model 6

Model Five 4 Speaker Acoustic Suspension System
Offers the best low-frequency and power handling capabilities of the KLH bookshelf-size speaker systems. Speaker compliment includes: big $12^{\prime \prime}$ acoustic suspension woofer with heavy magnet and cone assemblies; two $3^{4}$ miniature heavy-magnet mid-range speakers; and a $13 / 4$ " 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 $3 / 4^{\prime \prime}$ plywood finished in oiled walnut veneer. 8 -0hms impedance. Minimum power: 40 watts 1 MF . Size: $26 \times 13^{3 / 4} \times$ $111 / 2$ "D. Shpg. wt., $53 \frac{1}{2}$ Ibs.

21 P 44251 WX No Money Down*
Net 189.95
Model Six 12" 2-way Acoustic Suspension System
Designed to handle high power and deliver a full-range of rich sound. Has big 12 " acoustic suspension woofer employing a heavy, orientedceramic magnet assembly and four-layer voice coil; ${ }^{156}$ " cone-type 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 IHF or more. Oiled walnut finish on four sides. Size: $231 / 2 \times 125_{9} \times 117 / 3^{\circ} \mathrm{D}$. Shpp. w1., $421 / 2 \mathrm{lbs}$.
21 P 44061 WUX No Money Down*
Net 144.95

## NyNaCD APERIODIC SPEAKER SYSTEMS

## Only $79^{95}$ <br> No Money Down*

## Model A-25

 10" 2-Way System- $10^{\prime \prime}$ Extended Range Woofer
- Soft Dome Tweeter
- Acoustic Impedance Enclosure Principle

Non-resonant aperiodic design combines with acoustic impedance principle to assure uniform wide range response. Uses a $10^{\prime \prime}$ extended excursion woofer and new soft dome tweeter to achieve truly natural sound. Non-inductive Crossover Network of 1500 Hz . 5-position tweeter control. Designed for use with amplifiers 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. Oiled walnut finish. Size: $20 \times 11 / 2 \times 10^{\prime \prime} 0$.
21 P 23545 W Shpg. wt., $243 / 4$ lbs.
Net 79.95


NEW Model A-35 10" 2-Way Speaker System

- Handles 60 watts Continuous Power
- Powerful 10 " Woofer
- Non-Rigid Hemispheric Tweeter
$119^{9}$ 95

The A-35 is the newest of the Dynaco Aperiodic speaker systems, The key to the smoother, extended bass response in this 2 speaker, 2-way system is Dual Spectrum Damping, which reduces bass distortion to extremely low levels. An RC crossover network at 1500 Hz couples the speakers electrically, and a 5 position tweeter level control is provided for matching the system to room acoustics. 15 watts RMS is the minimum recommended driving power. Impedance 8 ohms. Size: $121 / 2 \times 22^{1 / 2} \times 10^{\prime \prime} 0$. Shpg. wL. 30 lbs.
21 P 23339 WX No Money Down*
Net 119.95

## Super-Thin LAFAYETTE "Poly-Planar" 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 Hz to $20,000 \mathrm{~Hz}$. 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.


## Deluxe 12 inch 1995 eluxe 12 in SPEAKER

## 12" POLY-PLANAR WIDE RANGE SPEAKER

Unique physical and audio characteristics permit a wide range of uses: Hi-Fidelity speaker systems, TV or radio, automotive, public address, architectural application (Build Poly-Planars into walls, closet doors, ceilings) and marine application. Use it as it is or cover it, baffle it, enclose It. Specifications; Power Capacity; 25 watts Peak; Frequency Range: $30-20000 \mathrm{Mz}$ voice Coll diameter, $1^{\prime \prime}$; Magnet Weight: 4.8 oz;i Imp. 8 ohms; Maximum Operating Temperature: $+175^{\circ} \mathrm{F}$. Size: $17 / 8 \mathrm{C} \times 14 \mathrm{~K} / 6^{\prime} \mathrm{H} \times 111 / 4^{\prime \prime} \mathrm{W}$. Shpg. wt., 2 lbs .
21'P 56016

## DELUXE 12" POLY-PLANAR WIDE RANGE SPEAKER

Same as above but power handling capacity is 40 watts peak, 25 watts RMS. Freq. response, 30:20,000 Hz. Shpg. wt., 2 lbs
21 P 56081

## $5^{\prime \prime}$ POLY-PLANAR 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 speakers. Specifications: Power Capacity: 18 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 Coll diameter: $3 / 4^{\circ \prime}$. Size: $3 / 4 \mathrm{D} \times 81 / 2 \mathrm{H}$ x 41/2"W. Shpg. wt., $11 / 4 \mathrm{lbs}$.
21 P 56024
Net 5.95
GRILLES FOR POLY-PLANAR SPEAKERS - For Surface or Custom Flush Mount
Two types for either $12^{\prime \prime}$ or $5^{\prime \prime}$ speakers. Will provide beautiful custom flush mount installations in your home, office, boat, or car. High impact plastic with walnut grain finish.
FOR $12^{*}$ SPEAKER. Wt., $21 / 4 \mathrm{lbs}$.
21 P 56040
FOR 5" SPEAKER. Wt., 11 oz.
21 P 56057
Net 3.95
Net 1.95

## 1 HI-FI SPEAKER SYSTEMS

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

12" system: Can be used outdoars or Indoars for hi-fi or bidirectionat PA paging. Handsome, high-impact white styrene enclosure with accessory walnut wood stand contains 12" 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: 25 watts peak. Response: 40 $20,000 \mathrm{~Hz}$ handling capacity. Input Impe. dance: 8 ohms. Size: $13 / 4 \times 131 / 4 \times 161 / 4$ Shpg. wt., 4 lbs
21 P 56032 W
.Net 17.95

## 5" SYSTEM 12" SYSTEM

 $-95-75$$5^{\prime \prime}$ System: Same as above, but with 5" polyplanar speaker. Power handling capacity: 8 watts peak. Response: 70 Hz to $20 \mathrm{~Hz}_{\text {; }}$ Impedance: 8 ohms. Size $3 / 8 \times 6 \times 10^{\prime \prime}$. Wt., 2 lbs . 21 P 56073

Net 12.95

## SPEAKER ENCLOSURE KIT FOR 12" POLY-PLANAR



g95

Attractive, Contemporary Styling

Attractively styled Speaker Enclosure especially designed for the 12 Inch Poly-Planar speakers. Ideal for rear speakers in low power 4-channel stereo systems. Comes in kit form, assembles in minutes. Conslsts of a handsome chrome frame and stand, black grill cloth, wire, and mounting instructions. Shpg. wt., 4 lbs.
21 P 56099 W
Net 9.95


- Replaces 8" Conventional Cone Speakers in All Applications

[^2]
## Full Range LAFAYETTE 8" Hi Fidelity Speakers



## Deluxe SK-228 $8^{\prime \prime}$ 3-Way Hi-Fi Speaker

Power Handling Capacity: 35 Watts

- $1^{11 / 2 "}$ Voice Coil
- 4 lb . Magnet Structure
- Response: 28-19,500 Hz
- Rigid One.Piece Die-Cast Frame
- Cloth Roll Suspension for Strong, 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 critically spaced speaker elements. Powerful, high compliance wooter has cloth roll suspension for low, smooth bass, down to is Hz . Separate midrange cone for distortion free middfe frequencies. Cone type super tweeter disperses clean, brilliant high frequencies up to $19,500 \mathrm{~Hz}$. Large $11 / 2^{\prime \prime}$ voice coil absorbs 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. Shpg. Wt., 7 lbs.
21 P 01749W
Net 19.95
Deluxe SK-128 8" Biaxial Speaker

## Only 075 0

CROSSOVER NETWORK

TWEETER WITH BAFFLE

POLYESTER RESIN TWEETER EDGE TREATED

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

SPECIFICATIONS:

- Overall Response: 35 to $19,500 \mathrm{~Hz}$
- Free Air Resonance: $45-65 \mathrm{~Hz}$
- Power Rating: 20 watts
- Impedance: 8 ohms
- Crossover: $2,500 \mathrm{~Hz}$
$8^{\prime \prime}$ Biaxial Speaker offers fuli, even coverage of the entire audio range with no distortion or coloration to mar your listening pleasure. Specially treated woofer cone has a unique "Conical Stiffener" at the apex which, coupled with its high compliance, enables the cone to operate in a piston-like manner-delivering a clean, powerful bass response. The 2 -inch tweeter has its own voice coil and 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 distribumagnetic 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, $5^{1 / 1, j z}$, Imported. Shpg. wt.. 5 lbs . 99 P $00325 W$


## NEW! SK-108 8" 2-Way Speaker

- Cloth Roll Suspension For

Strong, Smooth Base

- Separate High Frequency Cone Extends Range
- Peak Power Handling-30 watts

[^3]
## LAFAYETTE'S Finest Hi-Fidelity Speakers

## deluxe lafayette Sk-315 15" 3 -WAY DIE CAST SPEAKER

5 Year AAA Guarantee<br>See Page 415

- Massive 15 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 $15^{-3} 3$-way co-axial speaker so it could deliver more than you are ever likely to ask of it. The enormous 15 jb . magnet structure delivers an amazing 13.000 Gauss flux density .. . Total flux is almost 300,000 Maxwells! The extra thick walls of the cast frame minimize "ringing" tendencies. Features aluminum wire for the $3^{\prime \prime}$ voice coil to achleve high conversion efficiency. The woofer cone is suspended by chemically treated cloth 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 develop across the cone. The co-axially mounted mid-range radiator and compression tweeter assure reproduction of all frequencies in the audible range. The tweeter 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 P 01715 WX Shpg. wt., 24 Ibs.
Net 79.95

## SPECIFICATIONS:

Free Air Resonance: 24 Hz .; Overall Frequency Response: 20 $20,000 \mathrm{~Hz}$.; Flux Density: 13,000 lines per sq. cm.; Crossover: Mechanical at 2.500 Hz ., electrical at 5.000 Hz .; Power: 40 Watts program, 80 Watts peak: Woofer Voice Coll: $3^{\prime \prime}$ dia., tweeter, $3 / 4^{\prime \prime}$ dia.: Impedance: 8 ohms; Outside Diameter: $151 / 4^{\prime \prime}$; Overall Depth: $8^{\prime \prime}$

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

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

## 5 Year AAA Guarantee See Page 415

- Free-Edge Cone Suspension
- 2" Woofer 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 " 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. $63 / 4$ Ib. magnet structure delivers an amazing 9000 gauss flux density. The woofer cone is suspended by chemically treated cloth edges for a tow, low free air resonance of only 25 Hz . 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 the audible range. The brilliance control permits adjustment of the high frequency response to satisfy room acoustics and the owner's taste, You can mount thls speaker to efther the frent or rear of the baffle; extra gaskets for front mounting are included.
21 P 01707W Shpg. wt., 12 lbs.
Net 39.95

## specifications

Free Air Resonance: 25 Hz .; Overall Frequency Response: 2019,500 Hz .; Flux Density: 9,000 lines per sq. $\mathbf{c m}$.; Crossover: Mechanical at $1,000 \mathrm{~Hz}$., electrical at $3,500 \mathrm{~Hz}$.; Power: 35 Watts program, 70 Watts peak; Woofer voice Coil: $2^{\prime \prime}$ dia.; tweeter, $3 / 4{ }^{\prime \prime}$ " dia.; Impedance: 8 ohms; Outside Diameter; $121 / \mathrm{h}^{\prime \prime}$; Overall Depth: $61 / 2^{\prime \prime}$

## $39^{95}$

No Money Down*

Power Handling Capacity 70 Watts Peak

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


(A) 12", 3-WAY
$18^{95}$
(B) 15", 3-WAY
$21^{95}$

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


## (4) 12" 3-WAY SPEAKER HANDLES 45 WATT PEAKS

Large voice coil ( $11 / 2^{\prime \prime}$ Dia.) and large 4 lb . magnet structure for efficient, smooth handling of bass frequencies. $4^{\circ}$. 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 coil, Handles 23 watts program material, 45 watts peak. Res., 45 Hz . Response, $35 \cdot 20,000 \mathrm{~Hz}$. Impedance 8 ohms 21 P 47262 W Shpg. wt., $101 / 2 \mathrm{lbs}$
.Net 18.95
(B) $15^{\prime \prime} 3$ WAY SPEAKER HANDLES 50 WATT PEAKS

Same heavy-duty combination of voice coil and magnet as the $12^{\prime \prime}$ 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 P 47254 W Shpg. wt., 11 lbs.

Net 21.95

## 12" WIDE RANGE CO-AX SPEAKERS

(D) 12" $\mathrm{CO} \cdot \mathrm{AX}$ $11^{95}$

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

- 4 Pound magnet structure, $11 / 2^{\prime \prime}$ voice coil
- Deluxe, finger-tip operated, phase-coded terminals
- 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, $11 / 2^{\prime \prime}$ voice coil. Imped ance, 8 ohms; response, $35-17,000 \mathrm{~Hz}$; resonance, 45 Hz . Co-axially mounted high frequency cone extends range. Shpg. wt., $71 / 2 \mathrm{lbs}$. 21 P47122W

Net 16.95

## (D) $12^{\prime \prime}$ CO-AXIAL HI-FI SPEAKER

- $4^{\prime \prime}$ Co-axially mounted tweeter with built-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. Exceilent for the hi-fi enthusiast with a limited budget. Response, $40-18,500 \mathrm{~Hz}$.; impedance, 8 ohms; 5.5 ounce ceramic magnet; resonance, 60 Hz .; Voice coil diameter $\mathbf{1 "}^{\prime \prime}$. Shpg, wt.. 5 lbs .
21 P 47155
Net 11.95

## 8" SPEAKERS, EXTENDED RANGE \& CO-AX



## 6112" CO-AXIAL SPEAKER


$61 / 2^{\prime \prime}$ woofer with heavy magnet for maximum efficiency and low distortion. $2^{\prime \prime}$ tweeter is co-axially mounted in a protective sealed housing; a mesh dispersion screen provides smooth wide angle high frequency propagation. Ideal for use in pairs for stereo music systems of up to $8-10$ watts. Frequency range, 50 $16,000 \mathrm{~Hz}$. Resonant frea. 70 Hz . 1 m pedance, 8 ohms; bultioln electrical crossover network: Requires $51 / 2^{\prime \prime}$ dia. cutout. $61 / 2^{\prime \prime}$ dia., $33 / 4^{\prime \prime}$ deep. Imported Shog. wt., 2 lbs.
99 P 00283
Net 8.95

# Deluxe Woofers, Tweeters \& Mid-Range SB LAF AYETTE Speakers for Do-It-Yourself Systems 

## WOOFERS FOR ALL POPULAR CABINET SIZES

## (4) $15^{\prime \prime}$ WOOFER HANOLES 55 WATT PEAKS

A powerful, woofer capable of reproducing bass frequencles, at power levels you can feel. A mammoth 40 ounce ceramic magnet in a magnetic structure weighing $73 / 4$ pounds. The oversize, $2^{\prime \prime}$ diameter voice coil easily handles 28 watts continuously and absorbs 55 watt peaks. The baked-on lacquer finish on the magnet cover and chassis protects against corrosion of the critically dimensioned steel elements. Deluxe, phasecoded, fingertip terminals with Teflon insulation. Res. freq. 50 Hz ; resp., $20-5,000 \mathrm{~Hz}$.; Imp., 8 ohms; Shpg. wi., 14 lbs.
21 P 47197W
Net 28.95

## (B) $12^{\prime \prime}$ WOOFER HANDLES 50 WATT PEAKS

This $12^{\prime \prime}$ woofer uses the same enormous magnet assembly and the same $2^{\prime \prime}$ voice coil we feature in our $15^{\prime \prime}$ woofer. Even though the cone is smaller, the resonance is held to a mere 30 Hz . by using a highly compliant cloth cone edge, Power handling is 25 watts continuous and 50 watts peak. Includes all the deluxe features you've come to expect from Lafayette: baked on lacquer finish on magnet cover and chassis, and fingertip terminals with Teflon insuiation. Response, $20-4,500 \mathrm{~Hz}$. i im pedance, 8 ohms. Shpg. wt., $12 \frac{1 / 4}{}$ bs.
21 P 47205W
Net 26.95

## (C) $8^{\prime \prime}$ WOOFER HANDLES 40 WATT PEAKS

A space-saving $8^{\prime \prime \prime}$ diameter woofer that makes every effort to rival it's larger counterparts in frequency response and power handling ability. Features a 20 ounce magnet ( 4 pounds total structure), a $11 / 2^{\prime \prime}$ voice coil and highly compllant 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-tlp terminals with Jeflon insulation, baked on lacquer on magnet cover and chassis. Response, 35-7,500 Hz .; Impedance, 8 ohms; Shpg. wt., 6 lbs.
Hz.: impedanc
21 P 47213.
Net 13.95

(c) $13^{95}$ Net 13.95


# 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 $3^{\prime \prime \prime}$ TWEETER. Fresh sounding foam-mounted cone weeter delivers 1,200 to $20,000 \mathrm{~Hz}$ frequency response. Power handing capacity 8 watts peak. Depth $13 / 4$ ". Impedance: 8 ohms. imp ported. Shpg. wt., 1 lo 99 P 01562

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

Net 6.40
(C) OELUXE LAFAYETTE 5" WOOFER. Superb bass response is achieved through careful matchirig of large $11 / 2$ pound magnet, $1^{\text {" }}$ voice coil, and specially treated cloth surrounded cone. Frequency response: 40 to $12,000 \mathrm{~Hz}$. Will handle 15 watt peak power. Depth $41 / 8$. Imported. ${ }_{99}$ Shpg. wt. 50155 fbs.

Net 8.95
(D) LAFAYETTE 5" COAXIAL HI FI SPEAKER. Super miniature speaker handles up to 25 watts power. Frequency range 38 to $19,000 \mathrm{~Hz}$. Magnificent sound reproduction. Heavy magnet weight 1.1 ib. Rugged steel frame construction. Impedance: 8 ohms. Only $2 \frac{3 / 4}{}$ " in depth. imported. Shpg. wt., 3 lbs
99 P 01703
Net 10.45
(E) LAFAYETTE $61 / 2^{\prime \prime}$ OUAL-CONE HI FI SPEAKER. Powerful $61 / 2{ }^{\prime \prime}$ speaker only $21 / 2^{\prime \prime}$ in depth, Large 1 lb . magnet. Frequency response $50-16,000 \mathrm{~Hz}$. Power handling capacity- 15 watts. Rugged steel frame construction. Impedance: 8 ohms. Imported. Shpg. wt., 3 lbs.

## 99 P 01737 <br> 99 P 01737 Net 8.65 <br> LAFAYETTE Hi-Fi Acoustic Suspension Speakers





Model SK118 8" Speaker $7^{95}$ Model SK 112 12" Speaker $9^{95}$


## (A) 2-WAY CROSSOVER NETWORK

Crossover network designed for 8 ohm woofers and tweeters. Crossover frequency, $3,000 \mathrm{~Hz}$. Easily accessible lug terminals. Rugged metallic case $31 / 2 \times 1 / / 4 \times 1 / 4{ }^{4}$." Fibre mounting reducing extraneous pickup. Mount on inside of speaker cabinet. Complete with simplified instructions. Imported. Shpg. wt., 6 oz.
99 P 01406
Net 2.95
(B) DELUXE 2-WAY CROSSOVER NETWORK

A carefully designed capacitive-inductive 2 -way crossover network with crossover frequency easily set to either 2500 or 5000 Hz . Has a buitt-in continuously varlable high.frequency "Brilliance" level control to match room acoustics perfectly. Control has a $21 / 2 \mathrm{ft}$. cable to mount on rear or side of speaker cabinet, and a long shaft for thick wood panels. Has an attractive brushed-gold finish escutcheon plate. for use with $8-16 \mathrm{ohm}$ speakers. Easily accessible screw terminals. Metal case $57 / 6 \mathrm{~L} \times 25 / 6 \mathrm{H} \times 25 / \mathrm{g}^{\prime \prime} \mathrm{D}$. Complete with simpllfied instructions. Imported. Shpg. wt., 2 lbs.
99 P 00218

## Net 9.95

(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 combinatlons are available - 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 P 00226 imported. Shpg. wt., 4 lbs. $\qquad$ Net 16.75

## Selected Speakers, Speaker Kits, and Systems

## NEW! WOOFER, TWEETER, CROSSOVER KIT



- $8^{\prime \prime}$ Woofer, $31 / 2^{\prime \prime}$ Tweeter, Terminal Board, Crossover Capacitor, Wiring Harness, and Cabinet Plans

Everything supplied except the cabinet. The preassembled wiring harness (with color-coded wires) includes the crossover capacitor, and a unique terminal board for connection with elther screws or phono pin plug. The woofer has a 10 ounce ceramic magnet and cloth-edge cone suspension. The tweeter is a separate closed-back high frequency type. Response of completed system: $40 \cdot 20,000 \cdot \mathrm{~Hz}$. Impedance: 8 ohms. Shpg. wt., $31 / 2$ lbs.
21 P 02044W
Net 12.95

## "CRITERION W4" 3-SPEAKER THIN LINE SYSTEM

## COMPLETELY VERSATILE

1. Hang on wall.
2. Place on a bookshelf.
3. Place on floor stand (included).

- Power Handling Capacity: 25 Watts
- 5" Woofer and Two $3^{\prime \prime}$ Tweeters


Space saving full-fidelity system in a convenient thin-line configuration. A unique innovation has been incorporated in the design of the Criterion W4. The 3 speaker system utilizies a drone cone to increase low frequency response normally minimized in an ultra-thin enclosure. In conjunction with the powerful $5^{\prime \prime}$ high compliance woofer, this results in deep, resonant bass response down to 50 cycles. The 2 high frequency tweeters disperse clear, brilliant highs up to $19,000 \mathrm{~Hz}$. Electrical crossover is present at 4 kHz . Impedance, 8 ohms. The cabinet is hand finished in olled walnut with a luxurious textured brown grill cloth. Features adjustable high freq. level control. Size $191 K_{6} \times 1421 / /_{2} \times 2^{11 / 3 / 2}{ }^{" D}$. Imported. Shpg. wt., 12 lbs.
99 P 02651W No Money Down*
Net 34.95

## LAFAYETTE 6x9" WIDE RANGE SPEAKER



## Ideal For Add-On Remote Stereo Speakers



- 1" Voice Coil - Response: $45 \cdot 17,000 \mathrm{~Hz}$.

Hi-Fi, wide-range oval speaker with 10 ounce ceramic magnet and $1^{\prime \prime}$ voice coil for high sensitlvity and power handling ability. Handles musical peaks up to 30 watts. Baked on protective lacquer finish. Wide-range response, $45 \cdot 17,000 \mathrm{~Hz}$. Will fit in walts, total depth is only $3^{\prime \prime}$. Screw terminals, no need to solder. Impedance: 8 ohms. Outside dimensions are only $63 / 6 \times 9^{3} / 16^{\prime \prime}$. Shpg, wt., 3 lbs .
21 P 47270

## MATCHED PAIR OF DOME HI-FI TWEETERS

## $14^{95}$ <br> per pair

- Includes 4000 Hz Crossover Network
- Add to an Existing Speaker System for Superior High Frequency Performance

Specially developed high powered $31 / 2^{\prime \prime}$ hi-fidelity tweeters. The dia. phragm is dome shaped, providing a nearly ideal polar pattern. Frequency response is 1500 Hz to 20 KHz . Because of low cone mass, transient distortion is negligible. Power handling capacity is 40 walts RMS. Includes crossover, frequency at 4000 Hz , Magnet weight 9 oz. Ideal for use in 2 and 3 way 8 -ohm speaker system. Shpg, wt., 3 lbs. Imported.
21 P 29500
.Net 14.95

## THE AMAZING LAFAYETTE SOUND REPRODUCER

## Turns Virtually Any Surface into a Speaker

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


## LAFAYETTE Hi-Fi Speaker Enclosures

## 8" Bookshelf Speaker Enclosure



12" Bookshelf Speaker Enclosure


- Solid 3/4" Wood Construction

Beautiful, olled walnut veneer $12^{\text {" }}$ bookshelf speaker enclosure with picture frame moulding. Features quality construction plus contem. porary styling. Custom designed to accept all $12^{\prime \prime}$ speakers, including 2 and 3 way types. Solid $3 / 4^{\prime \prime}$ wood construction. Dual vented port design plus fiberglass lining gives improved bass response. Acoustically transparent brown tweed grill cloth lets the sound come through without attenuating the highs. All four sides finished in oiled walnut veneer to match the decor of any room. For vertical or horizontal placement. Size: $143 / 4 \times 237 / 4 \times 121 / 4^{\text {. }}$ 20 P $01501 w$ Shpg. wt., $35 \sqrt{2}$ lbs.

Net 32.95

Handsome, decorator styled bookshelf speaker enclosure. Finished In oiled walnut veneer with picture frame moulding to lend a note of elegance to any decor. Features vented port design for improved bass response. Has fiberglass acoustic lining, solid $3 / 4^{\prime \prime}$ wood construction, plus factory mounted luxurious brown tweed grill cloth. Back has two lug terminal strip. $18 \times 11 \times 9$ " deep. Shpg. wt. 20 lbs. 20 P 01519W Net 22.95


- $3 / 4$ " Wood Construction
- Precision Cut-Fits Together Smoothly
- Ideal For Single Wide Range, 2-3-Way Speaker Systems

All pieces of this carefully designed high fidelity speaker enclosure are accurately pre-cut of $3 / 4^{\text {" }}$ lumber to fit snugly together and virtually eliminate all spurious resonances. Assembled enclosure is finished in walnut on all 4 sides for either high or low boy styling. Kit is supplied unfinished, smoothly sanded and ready for finishing. Front panels feature edge moulding and plastic acoustic grilles to blend with any finish and room decor. Lined with acoustic materia that prevents reverberation and cabinet resonance. Flexible design
includes cut-outs for $15^{\prime \prime}$ woofer (with 12" adapter), $81 / 2$ or $8^{\prime \prime}$ midrange (with $6^{\prime \prime}$ adapter), and adapters to accommodate either round or rectangular tweeters. Separate wood blanks are supplied if no midrange speaker or tweeter is used. Dimensions (less base) $27 \mathrm{H} \times 22 \mathrm{~W}$ $x 16^{\prime \prime} \mathrm{D}$. Island type base is $23 / 4^{\prime \prime}$ high. Complete with instructions, all parts, hardware, and grille. Shpg. wt., 63 lbs.
20 P 01493 WX Kit (Unfinished) ............
20 P 0145 IWXFactory Assembled (Wa Inut) Net 44.95 20 P 01451 WX Factory Assembled (Wa Inut) .................... Net 64.95
-See Page 23 for Full Details on Easy Pay Plan

## Easy-to-Assemble Hi-Fi Furniture

Contemporary All-Purpose Shelf Unit For Your Hi-Fi Equipment


## Walnut Permaneer Finish

## $49^{95}$

Space For

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

Striking all-purpose shelf unit for your hi-fi 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 Receiver 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 special polishing care. Keeps its beautiful woodlike finish. Size: $651 / 2 \mathrm{~W} \times 151 / 2 \mathrm{D} \times 301 / 2{ }^{\prime \prime} \mathrm{H}$. Comes knocked down. Shpg. wt., 91 lbs.
20 P 16004WX No Money Down*
Net 49.95


NEW! Chrome and Walnut Record Cabinet
Only


- Holds up to 150 Records

Attractively designed record cabinet will enhance the decor of your room. Features chrome legs and sliding doors. Holds up to 150 records. Pressed wood cabinet has handsome stain resistant walnut Permaneer finish. Size: $24 \mathrm{H} \times 23 \mathrm{~W} \times 16^{\prime \prime}$ D. Comes Knocked Down. Shpg. wt., 26 lbs.

## NEW! Stereo Component Table

Versatile stereo equipment table. Ideal for space saving compact and modular 3-piece phono systems. Top and bottom shelf are constructed of walnut grain laminated wood. Brass record rack holds up to 80 records. Size: Top shelf: $19^{\prime \prime} \mathrm{H}$, $21^{\prime \prime}$ W, $12^{1 / 2 " D}$. Speaker supports are $12^{\prime \prime} \times 12^{\prime \prime}$. Comes Knocked Down. Shpg. wt., 13 lbs .
20 P 54005W
Net 14.95


## Coordinated Shelves and Cabinets for Your High Fidelity Components



# |E M/ Decorator Component Shelf System 

## $34^{95}$

- 5 -Shelf Storage Center
- Attractive Walnut Finished Vinyl
- Can Be Used As a Room Divider

An all walnut-vinyl covered shelf storage center styled to accommodate various arrangements of stereo high fidelity components. Can also be used as a room divider, or to accommodate a TV set, books and accessories. All shelves are $30^{\prime \prime} \times 14^{\prime \prime}$, designed to fit all popular sized components. Overall height 71 ". Shipped knocked-down. Shpg. wt., 45 lbs .
20 P $54013 W x$ No Money Down*
Net 34.95

## Combination Record and Component Cabinet

$27^{95}$

- Holds Up To 250 Records
- Handsome Oiled Walnut Finish

Striking contemporary design in a cabinet made specially for installation of your high-fidelity components and up to 250 records. Provides maximum capacity for areas where space is limited. Cabinet is shipped knocked down in easy-to-assemble form complete with all necessary instructions and hardware. Oiled walnut finish on hardboard. Overall measurements. $36 \mathrm{~W} \times 160 \times 30^{\prime \prime} \mathrm{H}$. Inside measure. ments: Record storage section $15 \mathrm{H} \times 15^{\prime \prime} \mathrm{O}$; Component shelf section $160 \times 9 " \mathrm{H}$. Shpg. wt., 30 lbs
20 P 23026 W
Net 27.95

## ELECTROPHONIC Consoles for Enduring Beauty and Quality

Consoles are shipped Freight Collect from nearest Electrophonic warehouse. No C.O.D. orders.

## NEW! Contemporary AM/FM 8-Track Stereo Phono Console

Compactly designed stereo music center with a big sound. Styled in rich oiled walnut veneers throughout, with walnut inlays on the front panel, it's a "natural" for the city apartment, den or office. Enjoy all your favorite stereo records, 8 -track tapes, and AM/FM broadcasts. All controls are readily accessible from the top lid opening. Features include an AM/FM radio, 40-watt solid-state stereo amplifier, separate controls for Loudness, Balance and Tone, and buitt-in AM/FM antennas. The BSR Custom Automatic Stereo Record Changer comes complete with diamond stylus and 45 RPM spindle, and auto. matlcally shuts-off the complete system at the end of the last record. The 8-track stereo tape player has automatic channel indicators and pushbutton manual track selector. Two $6^{\prime \prime}$ dual-cone full range speakers fill your listening area with rich sound. Console size: $30 \mathrm{~W} \times 15 \frac{3}{10} \mathrm{D} \times 29 \% 4^{\prime \prime} \mathrm{H}$. For 117 VAC 60 Hz . Shpg. wt., 58 tbs .

# $159^{95}$ 

No Money Down

## NEW! Mediterranean Style AM/FM Stereo <br> 8-Track Phono Console

Handsome styling and top quality electronics combined to provide a truly compact home entertainment system. Gracefully styled carvings decorate the sliding door panels. and overlay the rich brown speaker grille clath. The hi-fi system includes a 40 -watt solid-state AM/FM stereo receiver, 8 -track stereo cartridge tope player, and BSR 4speed automatic record changer. Also has an FM Stereo indicator light, stereo headphone jack for private listening. built-In AM/FM antennas, two 6" oval "Duocone" full range speakers, record jacks for the addition of a tape recorder, and diamond stylus. Size: $36{ }^{\circ}$ 多W $\times 16 \%$. $\times 25 \frac{1}{4}$ " H . For 117 VAC 60 Hz . Shpg. wt.. 107 lbs. 24 P 77016 XZ ................................ 179.95

## NEW! Deluxe Mediterranean

 60 " Stereo Console in Walnut FinishA truly elegant furniture-styled stereo console with classic columns overlaying ${ }^{a}$ burnished brown-gold speaker grille cloth. The top lid opening is split to allow for placement of a lamp, etc. inside, the 40 watt AM/FM Stereo-8-Track Phono system features an FM Stereo indicator light, front panel microphone jack, stereo headphone jack for private listening, and record jacks for the addition of a tape recorder. The 8 track stereo tape player has individual channel indicators and manual or automatic channel selectlon. Two $8^{\prime \prime}$ Duocone wooters and four $4^{\prime \prime}$ Duocone mid-range/tweeters provide magnificent sound quality. Size: 60W $x$ $18 \mathrm{x} \times 27^{\prime \prime} \mathrm{H}$. For 117 VAC 60 Mz . Wt., 140 lbs 24 P $77024 \times Z$ Net 229.95


No Money Down ${ }^{\text {• }}$

Features 40 -Watt Solid-S'ate AM/FM Stereo Receiver, 3-Track Stereo Tape Player, Garrard Record Changer with Diamond Stylus.

# LAFAYETTE Stereo Headphones For Magnificent Private Listening LAFAVETEE Motel SP55S Steropophonic Headphones 

- Frequency Response $30-15,000 \mathrm{~Hz}$
- Air-Cushioned Headband
- Soft Foam Rubber Ear Cushions for Maximum Comfort and Bass Response
- Two $2^{1 / 2}{ }^{\prime \prime}$ Wide Rarige Transducers

Provides outstanding full-fidelity private stereo listening. Extremely comfortable headband is covered with an air-filled vinyl bag which serves as a gentle cushion, Soft toam 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 specialiy designed full range $21 / 2^{\prime \prime}$ 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., $11 / 2 \mathrm{lbs}$.
99 PO1935
Net 11.95


## LAFAYETTE Model F-880 Stereo Headphones

- Soft Rubber Air-Cushioned Ear Pads
- Actually Two $21 / 2^{*} \mathrm{Hi}$-Fi Speakers
- Frequency Response 25 to $15,000 \mathrm{~Hz}$


## $17^{75}$

with 5 t. cable

Comtort-oriented design makes music listening a real pleasure Provides dazziling wide range sound. The $\mathrm{F}-880$ stereo headphones are actually two $21 /{ }^{\prime \prime \prime}$ high fidelity dynamic speakers with a frequency response range of 25 to $15,000 \mathrm{~Hz}$ and are rated at $1 / 2$ watt maximum input; impedance, 8 ohms per phone. The 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 $1 / 4^{" 1}$ phone plug. Imported. Shpg. wt., 2 lbs . 99 P 02040 Net 17.95


## LAFAYETTE Model 8 X Stereo Headphones

- Soft Rubber Cushion Earcups
- With 5 ft. Coiled Cord

- Frequency Response: $\mathbf{3 5 - 1 5 , 0 0 0 ~ H z}$ with 5 ft . colled cord

Wonderfully comfortable-features soft rubber cushlon earcups which block out most external noise. Lightweight vinyl covered headband adjusts to fit easily.. lets you listen to your favorite programs hour after hour without fatigue. The big $2^{\prime \prime}$ transducers in each earcup bring to your ears smooth, full fidelity sound and complete stereo separation, The headset weighs only 11 oz . Frequency response: 35 to $15,000 \mathrm{~Hz}$. Output: 100 mw . Matches 8 or 16 -ohm impedance. Supplied complete with $5 \cdot \mathrm{ft}$. coiled cord and standard $1 / 4^{\prime \prime}$ phone plug. Imported. Shpg. wt., $11 / 2$ lbs.
99 P 01802
Net 8.50


## LAFAYETTE SP22 Stereo Headphones

## Ideal For Use With Stereo Phonographs and Low-Power Stereo Receivers and Amplifiers

- Frequency Response: $\mathbf{3 5 - 1 2 , 0 0 0 ~ H z}$
- Lightweight, Only 10 oz.
- Adjustable Headband stereo receivers, amplifiers, and phonographs. Adjustable headband and comfortable foam-filled vinyl ear pads. Large, $2^{1 / 4}$ ". dlameter transducers for full-range response. Impedance: 8 -ohms. With 6 -feet of cable and standard stereo phone plug. Imported. Shpg. Wi. 1 lb .
 99 P 02123

Net 6.30

## Top Quality LAFAYETTE Stereo Headphones

## LAFAYETTE F990 Stereo Headphones

- Two large $3 \not / h^{\prime \prime}$ Wide Range Transducers
- Frequency Response $20-20,000 \mathrm{~Hz}_{2}$
- Air-tight Earphone Cushions


With 61/2' Cable - Fully Adjustable, Cushioned Vinyl Headband

Now the listener in his home can own a pair of stereo he adphones similar to the one used in laboratories, recording studios and broadcast stations. Superbly engineered to provide brilliant, full-dimensional stereo sound. Two large $32 / 2^{\prime \prime \prime}$ transducers provide complete full-range coverage from $20-20,000 \mathrm{~Hz}$. A comfortably soft, but airtight seal to the ear is provided by foam filled earphone cushions. Fully adjustable, cushioned vinyl headband will give you hours of listening comfort without any tatigue. Comes with $61 / 2 \mathrm{ft}$. cable and standard stereo phone plug. Impedance: 8 ohms. Imported. Shpg. wt.. $2^{21 / 2}$ lbs. 99 P 02099


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

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

With the F1000 you can enjoy the realism of virtually distortion free wide range stereo headphone listening. Each earcup contains a specifically designed 2 -way woofer/tweeter transducer and a volume control for critical, controlled sound monitoring. For private music listening you can taisor 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 -ohms. With coiled cord that extends up to 6 teet. Imported. Shpg. wt., $21 / 2$ lbs,

Net 39.95
$39^{95}$
With 6 Ft .
Coiled Cord

Wide Form Fitting, Adiustable Foam-Filsed Leatherette Headband

Soft, Foam.Filled Ear Cushion For Comfortable

Left and Right Channel Volume Controls

with 6 ft. coiled cord

Each earcup contains $35 / \mathbf{g}^{\prime \prime}$ woofer, $3^{\prime \prime}$ tweeter, and L-C cross-over network.

- Frequency Response $16-22,000 \mathrm{~Hz}$
- Adjustable Vinyl Cushioned Headband

Pure, true, uncolored stereo sound. Each earpiece contains a 2. speaker 2-way sound system featuring a dynamic 3 仵" woofer and a super myfar cone-type fweeter with a 400 Hz . 1/C crossover network. The sound is tailored to complement ear sensitivity in order to enhance listening pleasure. Absofute smooth response is virtuasly distortion free. Rugged shochproof construction. Headband adjustment for added comfort. Extra wide foam lilled ear cushions seal out ambient noise, and extends bass response. Meets the rigid requirements of professional use. Impedance 8 to 16 ohms. With coiled cord that extends to 6 ft . Imported. Shpg. wt., $2 \not y \mathrm{lbs}$.
99 P 02685 No Money Down*
Net 44.85

- 4 Separate $21 / 4^{\prime \prime}$ Speakers


## Patented baffle plate for front and rear speakers increases acoustic front-to-rear

 separation.- Built-in Circuitry for Deriving 4 Dimensional Sound from 2.Channel Program Sources
Four separate speakers each in its own acoustically isolated chamber delivers magnificent 4 -channel sound from 4 -channel amplifiers or receivers. Exclusive patented baflle plate increases the front-to-rear separation. A switch on the headphone allows use of the F-4400 with conventional 2 -channel stereo amplifiers. Special built-in circultry will derive 4 dimensional sound from 2-channel program sources. Comfortable foam filled vinyl leatherette earpieces and adjustable headband. Frequency response: $20-20,000 \mathrm{~Hz}$. 4.Channel $/ 2$-Channel switch. Impedance: $4-16$ ohtms. Imported. Shpg. wt., 3 lbs. 99 P 02925 No Money Down*

Net 39.95

## Lafayette F-2001 Electrostatic Stereo Headphone



## Stereo Headphone Accessories

 Coiled Cord

- Plugs Directly into Front Panel Stereo Headphone Jacks
Listen to stereo through your favorite headphone anywhere in the room. Ideal for use with Lafayette, Koss and other standard brand headsets. Flexible 3 -conductor colled cable. With a $1 / 4$ " 3 -circuit plug on one end, a 3 -circuit jack on the other end. Imported. Shpg. wt. $3 / 4 \mathrm{lb}$.
99 P 01166
Net 2.95


## 10.FT. STEREO HEADPHONE EXTENSION CORD



Terminates in 3 spade-lug terminals In. stead of phone plug. Imported. Shpg. wt., $1 / 4 \mathrm{lb}$.
99 P 01695

## STEREO HEADPHONE YOLUME CONTROL



Features left and right channel volume controls and 3 -way switch (right, left, stereo). With 6 -foot cord and plug on one end for connection to siereo amplifier jack, and 2 foot cord and jack on other end for connection to stereo headphone. Shpg. wt., $1 / 2 \mathrm{fb}$. Imported. 99 P 00242 Net 4.95

## "Y" ADAPTER CABLE FOR DUAL STEREO HEADPHONE LISTENING



For connecting 2 stereo headphones to 1 output jack. Permits 2 persons to listen to same program. Two 3 -circuit $1 / 4^{\prime \prime}$ plugs on one end, 3 circult jack on other end. 3 -feet long. Shpg. wt., 6 oz .
end. 3-feet lo
99 P 00960

STEREO HEADPHONE REMOTE CONTROL BOX

## 45



Oesizned to connect 1 or 2 stereo headphones to an existing system without the need of continually disconnecting speakers. Features separate phone volume controls, and speaker muting switch. Impedance: $4-16$ ohms. $43 / 4 \mathrm{~W} \times 19 / 16 \mathrm{H} \times 13 / 4=\mathrm{D}$. Imported. 99 P 00366 Shpg. wt., $3 / 4 \mathrm{tb} \ldots .$. Net 4.95

## STEREO/MONO <br> HEADPHONE ADAPTER

 Now you can use your regular stereo headphones with a transistor portable radio; TV set; reel-to-reel, cassette, and 8 -track tape cartridge recorder or player. Shpg. Wt., 202. 99 P 63075 Net ea. . 99

## KOSS, SUPEREX, PICKERNG and SENNHEISER HEADPHONES



Gives smooth, fatigue-free response, 2 octaves beyond conventional dynamic phones. Adjustable wide headband cushion for maximum comfort. Patented, liquid-filled removable cushions. Designed for use with all stereo hi-fl 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 $20,000 \mathrm{~Hz}$. With 10 ft . coiled cord and plug, 4 ohms impedance. Shpg. wt. $21 / 2 \mathrm{lbs}$. 21 P 45209

Net 60.00

## KOSS PRO-50 4-CHANNEL HEADPHONES



With 10 it . cord


Incorporates 4 new Koss-deslgned pressuretype dynamic driver elements. Features rotary volume and batance controls as well as liquid-filled ear cushlons, which provide comfort and an effective seal against outside noises. In brown with bronze trim. Foam padded adjustable headband. With 10 ft . coiled cord and two three clrcuit plugs. Shpg. wt., 3 lbs.
21 P 45233 No Money Down*. Net 70.00

## PICKERING PH-4933



[^4]KOSS ESP-6 ELECTROSTATIC $95^{\circ 0}$
with $10^{\circ}$ coiled cord, and carrying case


Uses electrostatic principle
self-ener. gized diaphragms will reproduce 3 octaves of sound beyond the Ilmits of voice coll and cone type driven headphones. Response: 30 $19,000 \mathrm{~Hz} . \pm 2 \mathrm{db}$. Input Impedance: 4 to 16 ohms. Cushioned foam rubber headband for maximum comfort. Liquid-filted ear cushlons minimizes annoying external noise. Includes $10^{\circ}$ coiled cord, connector box with speaker on/off switch, and carry case. Shpg. wt., $61 / 4$ lbs.
21 P 45167 L No Money Down ${ }^{*}$.... Net 95.00

## DELUXE KOSS K $2+24$-ChanNEL HEADPHONES

## $85^{\circ 0}$

With 10 ft. cord
NEW and connectors


4 separate driver elements, each with one inch voice coil, deliver 4 channel sound from 4 channel amplifiers. A switch on the phones allows use of the $\times 2+2$ with conventional 2 channel stereo amplifiers. Frequency Response $10-20,000 \mathrm{~Hz}$. Ear cushiuns are fluidfifled for high ambient nolse isolation. Extendable stainless steel cushioned headband for maximum comfort. Shpg. wi., $31 / 2$ lbs. for maximam comfort. Shpg. Wt." $32 / 2$ ibs.
21 P 45225 No Money Down* 85.00


Unique "open alr" foam ear cushions drastically reduce weight and bulk of the headset (only 5 oz. without cord). Eliminates need for closed cavities on either 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 either high or low impedance outputs. With 10 ft . cable and stereo phone plug. Shpg, wt., $11 / 2 \mathrm{lbs}$. Imported. 21 P 58004 No Money Down* Net 33.95


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. $10 \cdot \mathrm{ft}$. colled cord for added convenience. Distortion-less than $1 \%$ at maximum output. Response: $10-15,000 \mathrm{~Hz}$. Fully adjustable for comfortable private listening-even during long listening periods. Shpg. wt., $21 / 4 \mathrm{lbs}$, 21 P45076

Net 34.95

## SUPEREX MOOEL PRO.8-VI


with 15 ft . coiled cora

## NEW



Professional quality stereo headphones. Each phone cup has a calibrated and matched 2 -way (wooter/tweeter) speaker sys. tem with crossover network. Each system is Individually funed and ported. Luxuriously comfortable-the Pro-B-VI features a replaceable soft viny! covered urethane "comform' ${ }^{\prime \prime}$ ear cushion. Freq. Response 15-27,500 $\mathrm{Hz} .4-16$ ohm Impedance. Shpg. wt., 3 lbs. 21 P 80099 No Money Down* Net 60.00

## SUPEREX "RT-4" 4-CHANNEL STEREO HEADPHONE <br> $50^{00}$

with 15 ft . Coiled Cord

- Two Acoustically Matched Transducers In Each Earpiece
Designed for use with discrete 4 -channel stereo amplifiers or receivers. Can be used with two separate 2 -channel amplifiers. The two identical matched transducer units in each earplece are acoustically isolated and electrically Independent of each other. Freq. Response: 20 to $18,000 \mathrm{~Hz}$. Impedance: 4 to 16 ohms. Fully adjustable padded headband with replaceable urethane vinyl covered foam ear cushion. $15^{\circ}$ colled cord with 2 stereo plugs (front and rear). Shpg. wt., 2 lbs.
21 P 60081 No Money Down* Net 50.00


# SELXXE Synchro-Lab Automatic DELUXE Garrard/Turntables Featuring... 

## NomeviSiaving Combliniditions Siverept to 14.9.

When you purchase your choice of a Pickering or Shure Elliptical Cartridge with a Garrard Turntable Listed on Page 80 or 81
(See Page 88 for Description of Cartridges)



SYNCHRO. LAB MO. TOR FOP flawless, silent synchronous speed.

ADJUSTABLE ANTI. SKATING CONTROLS prevent record and stylus wear.


TWO-POINT RECORD SUPPORT ON SL95B, SL75B, SL72B at both center and edge.

SLIDE-IN CARTRIDGE CLIP assures positive alignment.

## MODEL SL55B 3.SPEED SYNCHRO-LAB AUTOMATIC TURNTABLE <br> with Choice of Elliptical Stereo Cartridges

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

 $84 \underset{\substack{\text { cartridge } \\ \text { and base }}}{\substack{\text { Money-Saving SL65B/Cartridge } \\ \text { Combinations-See Below Listings }}}$

Plays 3 Speeds: 331 ², 45, and 78 RPM. Features: Synchro-Lab Motor, large turntable of heavy aluminum, low.mass tudular aluminum tonearm dynamically balanced with adjustable counterwelght, adjustable anti-skating control, viscous damped, single lever cueing. Precision stylus pressure gauge with optical scale. Connecting cables. For $110-130 \mathrm{~V}, 60 \mathrm{~Hz}$ AC. Size: $15^{\prime \prime} \mathrm{W} \times 134 / \mathrm{s}^{\prime \prime} \mathrm{L}$; above motor board $43 / 4^{\prime \prime}$ below $3^{\prime \prime}$. Imported. Wt., $101 / 4$ lbs. less base.
21 P 40473 W SL65B only
22 P 90369 WM Sl658 Plus Picherlog V15 Micro IV/ACE 40655WM SL658 Plus Shure M55E ........................Net 84.96 22 P 90351 WM SL65B Plus Pickering V15 Micro IV/ATE .. Net 89.95 21 P 40952 WM SL658 Plus Shure M93 ............................... Net 89.95

Plays $331 / 3,45$, and 78 RPM Records. LEht weight, tubular aluminum tonearm with fixed-position damped counterweight and slide-in cartridge clip. Built in stylus force adjustment and optical scaie. Viscous damped, single.lever cueing. Fully adjustable antiskating. Oversized turntable with all connecting cables. For 110 -
 below $27 / \mathrm{g}^{\text {" }}$. Imported. Wt., $91 / 2 \mathrm{lbs}$, less base.
21 P 40481 W SL55B only
Net 64.95
22 P 90344 WM SL55B Plus Pickering V15 Micro IV/ACE
21 P 40614WM SL558 and Shure M55E Net 64.96 22 P 90336 WM SL55B Plus Pickering V15 Micro IV/ATE ... Net 69.95 21 P 40945 WM SL558 plus Shure M93E

Net 69.95

## SL72B 3.SPEED SYNCHROLAB AUTOMATIC TRANSCRIPTION TURNTABLE

with Choice of Elliptical Stereo Cartridges

## $109^{95}$ <br> $109^{96}$

Less cartridge, áno base

Plus choice of
Pickering V15 Micro IV/ATE or Shure $\mathbf{~ M ~} 93$, less base

## $114^{95}$

Pius choice of Pickering V15 Micro IV/AME or Shure M91E, less base

No Money Down*

Plays 331/3, 45, and 78 RPM Records. Synchro-Lab Motor for perfectly constant speed, unwavering musical pitch. Record platform for safe, two-point support during automatic play. Low-mass tubular aluminum tonearm of advanced design floats on needle pivots within a gyroscopically gimballed mounting for flawless tracking. Fully adjustable counterweight. Slide-in cartridge clip. Patented, permanently accurate sliding weight anti-skating control. Calibrated stylus pressure gauge with visible scale. Damped set-down of tonearm in manual and automatic play. Single control viscous damped cueing. Simplified finger-tip tab operating controls. Full size turntable. Two interchange. finger-tip tab operating conirols. Full size turniable. Wo incerchangeable spindles. All connecting cables. For $110-130 \mathrm{~V} 60 \mathrm{~Hz}$. AC. Dimen-
 ported. Shpg. wt., 11 lbs . Less base.


Ultra - low-mass. lightweight tonearm of advanced hexagon shaped design and adjustable counterweight provides perfect balance and flawless tracking.

REVOLUTIONIZES THE AUTOMATIC TURNTABLE WITH THE

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

# $199^{95}$ 

Less cartridge and base

# SAVE Up To $49^{95}$ 

On ZERO 100 with Elliptical Cartridge
Buy Pickering V15 MICRO IV/AME For Only 1¢ With Purchase of ZERO 100 SAVE 49.94 From Individual Catalog Prices ZERO 100 plus Pickering V15 MICRO IV/AME EHiptical Cartridge. 22 P $90443 W X M$ Shpg. wt., $161 / 4$ lbs.

Net 199.96

Buy Famous Shure V15/Type II For Only $\$ 25$ with Purchase Of ZERO 100. SAVE 42.95 From Individual Catalog Prices

The brilliant ZERO 100 meets the demands piaced on the automatic turntable for higher performance standards in today's sophisticated high fidelity market. Heart of the 2ERO 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 belng perpendicularly tangent to the groove. Other fine features are $15 \%$ vertical tracking adjustment, cartridge overhang adjustment, magnetic anti-skating control, Interchangeable spindles, 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 sparkling white unit plate. Size: $15 Y_{0}{ }^{\prime \prime} \mathrm{W}$ $x 141 / 3^{\prime \prime} \mathrm{D}$. Above motor board $43^{3 / 8^{\prime \prime}}$, below motor board $21 / / s^{\prime \prime}$. For $100-130$ volts, 60 cycle AC, Imported Irom England. Shpg. wt., 16 Ibs. 21 P 40994WX No Money Down* ..............................Net 199.95

True-Tangent Tracking Geometry. The Stylus is Perpendicularly Tangent to the Groove Through.

Magnetic
Anti-Skating
Control
IHuminated
Stroboscope
$15^{\circ}$ Vertical
Tracking
Adjustment

Cartridge Overhang Adjustment
slide Welght for Setting Stylus Force

Patented Synchro Lab Motor

Exclusive Garrard iwo-Point Recorl Support

## Variable

Speed Control
$\pm 31 / 2 @ 331 / 5$ RPM $\pm 21 / 2 @ 45 \mathrm{RPM}$


# Sarrard Automatic Turntables 

 Model 40B 3-Speed Automatic Turntable Plus Choice Of A Pickering, Shure, Empire, or ADC Elliptical CartridgePlays $331 / 2,45$, and 78 rpm records. Full viscous damped, single lever cueing. Low mass, tubular aluminum tonearm with fixed isolated counter-weight. Silde-in cartridge clip assures positive cartridge alignment. Easy to adjust stylus pressure control and visible scale. Swingaway overarm moves to the rear, out of the way for manual play. Two interchangeable spindles. Oversize furntable with handsome safety mat. Size: $143 / \mathrm{m}^{\prime W} \mathrm{~W}$ $12 \frac{1}{2} 2^{\prime \prime}$ L. Requires $4^{5 / 8^{\prime \prime}}$ above and $3^{\prime \prime}$ below motor board. With all connecting cables. Less base. For 110-130-VAC, 60 Hz . Imported. Shpg. wt., $91 / 2 \mathrm{lbs}$.
21 P 40499w Model 40B only Net 49.95 Model 408 and Pickering PAT/E-1 Elliptical Cartridge. Shpg. wt., $93 / 4 \mathrm{lbs}$.
21 P 40556WM ........................Net 49.96 Model 40 B and Shure M44E Elliptical Cartridge. Shpg. wt., $93 / 4 \mathrm{lbs}$.
21 P 40564 WM $\qquad$ .Net 49.96 Model 408 and Empire $90 E \mathrm{E}$ X Elliptical Cartridge. Shpg, wt., $91 / 2 \mathrm{lbs}$.
21 P4086iWM ................................ 49.96 Model $40 B$ and AOC 220EX Elliptical Cartridge. Shpg. Wt., $91 / 2 \mathrm{fbs}$.
22 P90328WM Model 408 and Pickering vis Micro IV/ACE Elliptical Cartrldge. Shpg. wt., $91 / 2$ lbs. 22 P 90310WM .........................Net 54.95 Model 40B and Shure M55E Elliptlcal Cartridge. Shpg. wt., 93/4 lbs. 21 P $40598 W M$ $\qquad$ Net 54.95 Model 40 B and Empire $909 E / X$ Elliptlcal Cartridge. Shpg. wt., 9 ¹/2 lbs. ...Net 54.95

## $49^{95}$

Less Cartridge and Base

No Money Down*

## Save up to 24.95 from Indivixital Catalog Prices

 on GARRARD 40B and Elliptical Stereo Cartridge Combinations (See listing to left)
## MODEL SP20B-4 SPEED MANUAL RECORD PLAYER with Choice of Stereo Elliptical Cartridge

|  |
| :---: |
|  |  |
|  |  | 95 With Pickering PAT/E-1 Elliptical Cartridge, Less Base

A compact, efficient manual player with high fidelity features. Lowmass tubular aluminum arm with fixed counterweight, isolated in a resillent housing to effectively damp out tonearm resonances. Fully adjustable stylus pressure control with optical scale. Slide-in cartridge clip accommodates all the latest cartridges and assures positive alignment. Automatic return of tonearm after record has played. Full-size turntable. Supersensitive trip. Size: $143 / 8 \mathrm{~W} \times 121 / 2 \mathrm{LX}$ $31 / 3^{\prime \prime \prime} \mathrm{H}$ above and $22 / 0^{\prime \prime}$ below motor board. Imported. Less base. For 110.130 V 60 Hz AC. Shpg. wt., 9 lbs.

21 P 40507 W SP208 only No Money Down* ............Net 42.95 SP20B plus Pickering PAT/E-1 Elliptical Cartridge. Shpg. wt., $94 / 4 \mathrm{lbs}$. 21 P 40853 WM No Monev Down* **ATE Eliptical Cartridet 47.95 SP20B plus Pickering V15 Micro IV/ATE Eiliptical Cartridge. Shpg. wt., $91 / 4 \mathrm{lbs}$.
22 'f 90450 WM No Money Down*

- See Page 23 for Full Details

Net 57.95


Garrard 4-speed automatic stereo turntable designed especially for use in low priced hi-fi systems, and perfect for replacement in consoles and phonographs. Features oversized, weighted turntable, tubu. lar tonearm, ultra compact size. Plays $1623,331 / 3,45$ and 78 RPM records. intermix automatic operation when desired. Two spindlesshort for manual, center drop for automatic play. With ceramic cartridge, diamond stylus. All connecting cables. Dim.: $14 \mathrm{~K}_{0} \times 12^{3 / 44^{\prime \prime}}$, above motor board $43 / 4^{\prime \prime}$, below $21 / 4^{\prime \prime}$. For $110-130 \mathrm{VAC}, 60 \mathrm{~Hz}$. Less base. Imported. Shpg. wt., $91 / 4 \mathrm{lbs}$.
21 P 28171 W No Money Down*


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 reconds in automatic play
$44^{95}$
Complete
No Money Down*

21 P 40523 W Shpg. wt., $81 / 4$ lbs. ........Net 44.95
Module X10 Precision Automatic Turntable with Pre-Installed Stereo Ceramic Diamond Needle Cartridge, Base \& Cust Cover.
Features ultra-low-mass tubular 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 ppm . For $110.130 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size fon base): $15^{\circ} \mathrm{W} \times 131 / 4^{\prime \prime} \mathrm{D} \times 73 / 4{ }^{4 \prime H}$. Imported, With all connecting cables. Shpg. wt., 15 lbs.
21 P40846W
Net 59.95

## $59^{95}$

Complete No Money Down*

## Module SLX-2 Synchronous 3-Speed Automatic

 Turntable with Pre-Installed Stereo Magnetic Diamond Needle Cartridge, Base \& Dust Cover Synchro-labie motor for constant synchronous speed, dynamically balanced tone arm with ball bearing 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 ", $10^{\prime \prime}$, or $7^{\prime \prime}$ ). For 110.130 VAC 60 Hz . Dim. (on base): $15 \mathrm{Wx} 131 / 4 \mathrm{Dx} 77 / \mathrm{H}$. With all connecting cables. Imported. Shpg, wt., 16 lbs. 21 P $40432 W$ Net 79.50$79^{50}$
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 cemter and edge during automatic play. Stylus force adjustment with window scale. Ultra-low-mass tubular aluminum tonearm. Permanenfly accurate sliding weight anti-skating control. Fully damped, single control cueing. Viscous damped tonearm. Finger-tip controls. Over. size turntable. With all audio cables. Size (includes base and cover): $15 \mathrm{~K}_{1}$ "Wx141/8Dr8"H. For $110-130 \mathrm{~V}$ AC .60 Hz . Imported Shpg. wt., 18 lbs.
21 P40515W
Net 114.95

## $114^{95}$

Complete No Money Down*

ACCESSORIES FOR GARRARD AUTOMATIC TURNTABLES


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

- 4.Speeds: $16,3313,45,78$ RPM
- Pushbutton Operation for Automatic Play, Manual Play, Stop
- Automatic Shut-Off After Last Record

A superb, 4 -speed automatic record changer with protessional single lever cueing. Handsomely styled and englneered to provide the highest standard of performance and dependablity. 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. Intermixes records of the same speed. Shuts off after last record has been played. Features oversized turntable with rlbbed record mat; one-plece low mass cast aluminum tone arm; 4-position speed selector slide switeh; iwo spladles: one for manual play and a center drop for automatic play. All controls are always perfectly accessible even with $12^{\prime \prime}$ records on the turntable. Heavy duty, constant speed motor. Ceramic stereo turn over cartrldge with diamond LP needle. Mainplate has beautiful leather-like finish with black rubber turntable mat and chrome trim. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: 131/4WK11"O. Requires 3 Y 4 " above and $3^{\prime \prime}$ below motor board. Imported. Shpg. wt., 7 ibs.
21 Pol699w Net 29.95
ACCESSORIES FOR MOOEL AC50B
Walnut Wood Base. Shpg. wt., $21 / 4$ lbs
21 P 01657 W Net 4.95
Plastic Dust Cover. Shpg. wt., $11 / 2$ lbs.
24 P 09043W Net 4.50 45 RPM Spindle. Shigg. wt., 4 ot.
21 P 01673 Net 1.95 Replacement Stereo Cart. Wt., 3 oz. 21 P 01665 Net 4.95


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


Model MC-22B

## $34^{95}$

Pre-Mounted on Simulated Black Leather Base with Walnut Viny) Trim, Heavy Gauge Tinted Plastic Dust Cover, and Diamond Needie Cartridge.

Model MC228 Features:

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

Diamond
Needie
A versatile, dependable 4 -speed automatic stereo record changer premounted on a simulated Black leather base with wainut vinyl trim-completely ready to plug into your audio equipment. Especially suited for book. shelf width component systems and compact equipment installations. Features low-mass tone arm. high quality ceramic furnover stereo cartridge with diamond LP needle, detachable spindle, vibration-free dynamlcally balanced 2 -pole motor. Handles stack of 6 -records automatically or can be operated as a. manual player. Also includes tinted plastic dust cover. UL IIsted AC cord, and att audio cables. Size includes Base $14 \% \mathrm{~b}$ $\times 5 \times 10^{\prime \prime}$. Shpg. wt., 10 tbs. For $110-130$ volts AC, 60 Hz , Made in England.

21 P 01772W No Money Down* Net 34.95 ACCESSORIES FOR MOOEL MC-228 Replacement Diamond LP Needle. Wi., 3 or. 24 P 02386
45 RPM Spindle. Wt. 3 oz.
24 P 02568
Nét 2.79

## united audio Ourad Autiomatic Stereo Turntalles

## TIFIWII Dual 1229 Professional Automatic Stereo Turntable <br> 

 With Choice of Elliptical Cartridge
## $199^{50} 199^{51}$ less cartridge and base <br> with choice of Shure M91E or Pickering V15 MICRO IV/AME less base

| For Only | Pickering V15 MICRO IV/AME |
| :---: | :---: |
|  |  |
| With Purchase of A Dual 1279 | Shure M9 $49.95$ |
| SAVE 49.94 From Individual Catalog Prices |  |

Dual's unest stereo Auto/Professional turntable has a host of features which makes it a prestige addition to the finest home music systems. Professional low-mass tonearm has a twin-ring gimbal suspension with ultra-low friction horizontal and vertical pivots for high tracking accuracy with all of today's low tracking force cartridges. Fułl $12^{\prime \prime}$ diameter furntable with 7 ib . dynamically balanced cast platter. Easy-to-read Hluminated stroboscope. Pitch control provides for $6 \%$ variation in speed adjustment. Powerful synchronous/hi-torque motor combines high starting torque with absolute speed constancy. Anti-skating force control is separately
calibrated for both conical and elliptical styli. Other eatures include: 3 Speeds: $331 / 3,45$, and 78 RPM; adjustable stylus overhang: direct-dial stylus force; multi-play spindle which holds up to 6 records; and rotating single-play spindle. Size: $143 / 4 \mathrm{~W} \times 12^{\circ} \mathrm{D}, 5^{\prime \prime}$ above and $3^{\prime \prime}$ clearance below mounting board. For $110 / 120$ VAC, 60 Hz . Imported. Shpg. wt., 19 los.
21 P 68201 wx 1229 Only_No Money Down* ........Net 199.50 22 P 90518 WXM 1229 plus Pickering V15 MICRO IV JAME Net 199.51 22 P 90500 WXM 1229 plus Shure M91E. $\qquad$ Net 199.51

## Dual 1218 Automatic Stereo Turntable With Choice of Elliptical Cartridge



For Only 1c More
With Purchase of 1218, Your Choice:


Shure M93E 39.95

Pickering V15 micro iv/ate 39.95
${ }^{155^{\circ}}$
less cartridge and hase

## $155^{01}$

with choice of cartridge, less base

Deluxe 3 -speed automatic stereo turntable with Synchronous/hitorque motor. Major features include: Twin-ring fone-arm gimbal suspension; one piece non-ferrous cast turntable platter; pitch control ( $6 \%$ variation); cue-control; conical/elliptical anti-skatling control; damped click-stop counterbalance; and Mode Selector-..provides $15^{\circ}$ vertlcal tracking in single-play mode and at center of stack in Mułtiple-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 $13^{\prime \prime} \times 10^{3 / 4}{ }^{\prime \prime}-6^{\prime \prime}$ above and $3^{\prime \prime}$ clearance below mounting board. Imported. For $110 / 120$ VAC, 60 Hz . Shpg. wt., 15 lbs .
21 P68128wX 1218 Only No Money Down*..............Net 155.00 22 P 90492 WXM 1218 plus Plckering V15 MICRO IV/ATE Net 155.01 21 P 90643 WXM 1218 Plus Shure M93E ...............Net 155.01

## Dual 1215 S Automatic Stereo Turntable With Choice of Elliptical Cartridge For Only 1c More

1095
less cartridge and base

with choice of


Quallty 3 -speed ( $331 / 3,45$, and 78 RPM ) stereo turntable that features a low-mass tubular tonearm that tracks as low as one gram! Anti-skating with separate calibrated scales for both conical and elliptical styli are provided. Pitch control allows up to a $6 \%$ varia. tion in speed adjustment. Damped cue-control provides ultra-slow descent in automatic and manual modes. Other features include: direct-dial stylus force; Multiple-play spindle which holds up to 6 records; $33 / 4 \mathrm{ib}$. laminated platter. Size: $13 \mathrm{~W} \times 13 / 4 " \mathrm{D}, 5^{\prime \prime}$ above and $25 / \mathrm{m}^{\prime \prime}$ clearance below mounting board. For $110 / 120$ VAC, 60 Hz . imported. Shpg. wt., 13 lbs.
21 P $68219 W^{1215 S}$ Only-No Money Down* Net 109.50 22 P 90484 WM 1215 S plus Plakering V15 MICRO IV/ATE Net 109.51 22 P 90476WM 1215S plus Shure M93E ...................Net 109.51

## ACCESSORIES FOR DUAL TURNTABLES

| Stack No. | Mfg. No. | Description | For | Shps. Wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 21 P 65835W | WB12 | Walnut Base | 1215S, 1218 | 4 lbs . | 10.95 |
| 21 P 56007W | WB19 | Wainut Base | 1229 | 4 lbs . | 14.95 |
| 21 P 68227W | DC4 | Dust Cover | WB12 Base | 2 lbs. | 12.95 |
| 21 P66015W | DC9 | Dust Cover | WB19 Base | 2 lbs . | 14.95 |
| 21 P 65868 | CH12 | Cart. Holder | $\begin{aligned} & 1215 \mathrm{~S}, 1218 \\ & 1229 \end{aligned}$ | 301. | 3.95 |
| 21 P68110 | CH22 | $15^{\circ}$ Cart. Holder | 1218 | 3 oz . | 8.95 |
| 21 P65850 | AS12 | 45 Spindle | $\begin{aligned} & 1215 \mathrm{~S}, 1218, \\ & 1229 \end{aligned}$ | $4 \mathrm{oz}$. | 5.95 |

## AR Universal 2-Speed Manual Stereo Turntable

## $87^{00}$

Less cartridge
$102^{00}$
with Pickering V15 MICRO IV/ATE Elliptical Cartridge

## SAVE $24^{35}$

From Individual Catalog Prices When You Purchase The Universal AR Turntable With The Pickering V15 MICRO IV/ATE Elliptical Cartridge

- 2 Speeds: $331 / 3$ and 45 RPM
- For $110 / 220 \mathrm{~V}, 50-60 \mathrm{~Hz}$
- Comes Complete With Tonearm Premounted On A Walnut Wood Base With Plastic Dust Cover

Universal manuat 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 shockmounted 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- $123 / 4 \times 163 / 4 \times 5 \frac{1}{4}$ ".

## Pickering V15 MICRO IV/ATE 39.95

## COLUMBIA SO 4-Channel Stereo LP Records



Shpg. wt., 12 oz. ea.

26 P 67000 JOHNNY CASH at San Quentin
28 P 67016 SANTANA/Abraxas
28 P 67026 FUNNY GIRL/Original Sound Track
28 P 67034 RAY CONNIFF/Love Story
28 P 67042 RAY STEVENS/Greatest Hits
2 2 P 67059 KRIS KRISTOFFERSON/Silver Tongued Devil And I
28 P 67067 ANDY WILLIAMS/Love Story
28 P 67075 JANIS JOPLIN/PearI
28 P 67063 RAIDERS/Indian Reservation
28 P 67091 LYNN ANDERSON/Rose Garden
26 P 67109 RAY PRICE/For The Good Times
20 P 67117 PERCY FAlTH/Rameo and Juliet
28 P 67125 JIM NABORS/Help Me Make it Through the Night
20 P 67133 BARBRA STREISAND/Stoney End
28 P 67141 WALTER CARLOS/Switched-On Bach

Columbia, the company that developed the LP record, now brings you the first 4 -Channel Stereo Record (SQ). The SQ 4 . Channel Record ( $331 / 3$ ) with separate signals in each of 4 channels provides a startling listening experience-actually puts the listener in the room where the performance took place. For this dazzling effect, the SQ record must be played on equipment incorporating SQ circuitry. The SQ record is also truly compatible, and will play like a regular 2 -channel stereo record on any system equipped for standard 2 -channel stereo.
28 P 67166 SIMON AND GARFUNKEL/Bridge Over Troubled water
28 P 67174 BLOOD, SWEAT AND TEARS II
26 P 67162 SABOTNIK/TOUCh
28 P 67190 NO, NO NANETTE/Original Cast
28 P 6720 LEONARO BERNSTEIN/Also Sprach Zarathustra 28 P 67216 POCO/Deliverin'
28 P 67224 BOB DYLAN/Nashville Skyline
2日 P 67232 TAMMY WYNETTE/We Sure Can Love Each Other 28 P 67240 SLY AND THE FAMILY STONE/Greatest Hits
28 P 67257 AL KOOPER/MIKE BLOOMFIELD/STEVE STILLS/ Supersession
20 P 67265 LEONARD BERNSTEIN Nerdi Requiem
26 P 67273 TEN YEARS AFTER/A Space In Time
28 P 67201 JOHNNY MATHIS/You've Got a Friend
28 P 67299 CHASE/Chase
26 P 67356 LEONARD BERNSTEIN/Swan Lake Ballet
28 P 67331 BOULEZ CONDUCTS STRAVINSKY
28 P 67349 PETER MATZ/Quadraphonic Spectacular

EXCLUSIVE! LAFAYETTE $331 ⁄ 3$ SQ 4.CHANNEL LP RECORD Made for LAFAYETTE by Columbia Special Products

The Lafayette 4-Channel SQ Record features some of today's greatest musical recording stars: BARBRA STREISANO; SANTANA; PERCY FAITH; JOHNNY MATHIS; RAY CONNIFF; LYNN ANDERSON; JANIS JOPLIN; RAY PRICE; and selections from the Original Cast Broadway Shows NO, NO, NANETTE and COMPANY. Shpg. wt., 1 lb .
28 P 01447
Net 5.89

## Pickering, Shure, Stanton Magnetic Stereo Cartridges



## Pickering Cartridges

 from $17^{95}$ to $65^{00}$PICKERING MAGNETIC STEREO CARTRIDGES
deluxe xy-15 Elliptical SERIES-Pickering's Premiere Cartridges. Includes "Dustamatic Brush" which automatically cleans the grooves in advance of the stylus. Specifications: Channel Separation: 35 db ; Nor mal Output: XV-15/750E-4.4 mv; XV-400E-5.5 mv; XV-15/200E, $\mathrm{XV}-15 / 140 \mathrm{E}-8 \mathrm{mv}$. Frequency Response: $10-25,000 \mathrm{~Hz}$, except XV 15/140E $10-20,000 \mathrm{~Hz}$. Stylus type: XV-15/750E-.0003 x $0007^{\prime \prime}$ elliptical; XV-15/400E, XV-15/200E-.0004 x $0007^{\prime \prime}$ elliptical; XV-15/140E-.0005 x.0007" elliptical. Trackiag force: XV-15/750E$1 / 2$ to $1 \mathrm{gram} ; \mathrm{XV}-15 / 400 \mathrm{E}-3 / 4$ to $11 / 2$ grams $\mathrm{XV}-15 / 200 \mathrm{E}-1$ to 3 grams; XV-15/140E-2 to 4 grams. Wt., 8 oz. each. No Money Down*.

| Stock No. | Model | For | Net |
| :---: | :---: | :---: | :---: |
| 21 P 53864L | XV-15/750E | Manual Turnt |  |
| 21 P 53757L | XV-15/400E | Manual Turntables | 54.95 |
| 21 P 53781L | XV-15/200E | Automatic Turntables | 49.95 |
| 21 P 55232 L | XV-15/140E | Automatic Turntab | 34.9 |

NEW V- 15 MICRO SERIES. Incorporates all of the fine characteristics of the XV-15 Serles. Narrow and low profile design for simplified mounting. "Dustamatic" brush assembly automatically cleans records as you play them. The brush is hinged independent of the stylus and never interferes with the tracking force. Shpg. wt., 5 oz . each.

V-15 MICRO IV/AME. For manual turntables and light tracking automatics. $.0004 \times .0007^{\prime \prime}$ elliptical stylus, Tracking force $11 / 2, \pm 1 / 2$ gram; Output 5.5 mv ; Response, 20 to $20,000 \mathrm{~Hz}$.
21 P 552241 No Money Down*
Net 49.95
V-15 MICRO IV/ATE. For automatic tuntables. Tracking force $3, \pm 1$ eram. . $0004 \times .0007$ " elliptical stylus; Output 6.5 mv ; Response, 20 $18,000 \mathrm{~Hz}$
21P 551742 No Money Down*
Net 39.95
V-15 MICRO IV/ACE. For record changers. Tracking force $4, \pm 1 \mathrm{gram}$. $.0005 \times .0007^{\prime \prime}$ elliptical stylus; Output 8.0 mv ; Response, 20 to $17,000 \mathrm{~Hz}$.
$21^{1}$ P 551821
.Net 29.95
V-15 MICRO IV/AM. For manual turntables. . $0007^{\prime \prime}$ spherical stylus. Tracking force $2, \pm 1$ gram; Output 6.0 mv ; Response, $20-20,000 \mathrm{~Hz}$. 21 P 55190L No Money Down*
.Net 34.95
V-15 MICRO IV/AT. For automatic turntables. $.0007^{\prime \prime}$ spherical stylus. Tracking force $3, \pm 1$ gram.
21 P 55208 L
Net 29.95
V-15 MICRO IV/AC. For record changers. .0007" spherical stylus. Tracking force 4, $\pm 2$ grams.
21 P 552162
Net 24.95
P-SERIES STEREO CARTRIDGES - Frequency response: 20 to 15,000 Hz. Nominal output: P/ATE-1, 8 mv .; P/AT-1, 8.5 mv ; $\mathrm{P} / \mathrm{AC}-1,9 \mathrm{mv}$. 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 mil conical diamond stylus: P/ATE-1 with $.0005 x .0008$ elliptical stylus. Shpg. Wt., 402 .
21 P53880L P/ATE-1 Elliptical ....................................... 24.95
21 P 53567 L P/AT-1 Conical ............................................... 19.95
21 P 53575L P/AC-1 Conical
Net 17.95

## STANTON MAGNEIIC STEREO CARTRIDGE

MODEL 681EE (Not Illustrated)-Designed for low-distortion tracking with minimum stylus force. High complance, low mass, and low pressure assure perfect safety of all records. Response: $10-20,000$ Hz . Separation: 35 db , nominal. Output: $0.7 \mathrm{mV} / \mathrm{cm} / \mathrm{sec}_{\text {e }}$ nominal. Tracking Force:- $3 / 4.11 / 2$ grams. Diamond elliptical stylus, and stylus brush. Shpg. wt., 602.
21 P 240061 No Money Down*
Net 72.00


## Shure Cartridges

from $12^{95}$ to $67^{50}$

## SHURE MAGNETIC STEREO CARTRIDGES

V-15 TYPE II SUPER-TRACK STEREO DYNETIC ELLIPTICAL CARTRIDGE. Shure's premiere cartridge featuring increased trackability in the low and mid-frequency ranges. Recreates music with transcendent purity. Retractable elliptical $.0007 \mathrm{x} .0002^{\prime \prime}$ dlamond stylus. Specifications: Frequency Response: $20-25,000 \mathrm{~Hz}$. Channel Separation: Nominally 25 db at $1,000 \mathrm{Mz}$. Output Voltage: 3.5 mV . Tracking Force: $3 / 4$ to $11 / 2$ grams. Shpg. wi., 802 .
21 P 62386L. No Money Down*
Net 67.50
HEW M91ED DELUXE HI-TRACK STEAEO DYNETIC ELLIPTICAL CARTRIDGE. Optimized design parameters in the stylus assembly give this cartridge superb high frequency trackability. Retractable elliptical $.0007 \times .0002^{\prime \prime}$ nude dlamond stylus. Specifications: Frequency Response: $20-20,000 \mathrm{~Hz}$. Channel Separation: Nominally 25 db at 1.000 Hz . Oufput Voltage: 5.0 mV . Tracking Force: $3 / 4$ to $11 / 2 \mathrm{grams}$. Shpg. Wt., 802
21 P 62592L No Money Down*
Net 54.95
THE CUSTOM HI-TRACK SERIES OF STEREO DYMETIC CABTRIDGES. For use in automatic and manual turntables. Specifications: Frequency Response: $20-20,000 \mathrm{~Hz}$. Channel Separation: Nominally 25 (6D at $1,000 \mathrm{~Hz}$. Output Voltage: 5.0 mV . Shpg. wt., 3 oz .

Model M91E—. $0007 \times .0002^{\prime \prime}$ elliptical stylus. Trecking Force: $3 / 4$ to $11 / 2$ grams.
21 P62444L No Money Down* $\qquad$ Net 49.95

Model M75EJ Type $2-.0007 \times .0004^{\prime \prime}$ elliptical stylus, Tracking Force: $11 / 2$ to 3 grams.
21 P626001 No Money Down*
Net 44.95
Model M75B Type 2-.0006" spherical stylus. Tracking Force: $11 / 2$ to 3 grams.
21 P 62618L No Money Down* $\qquad$
EXTRA DURABILITY HI-TRACK CARTRIDGES. DEsIgned to give heavy. duty performance at moderate prices in all modern turntables and tone arms. Features "snap-in" design for fast, effortless installation. Specifications: Frequency Response: $\mathbf{2 0}-\mathbf{2 0}, 000 \mathrm{~Hz}$. Channel Separation: Nominally 25 db at $1,000 \mathrm{~Hz}$. Output Voltage: M93E and M75.6S, 6.2 mv ; M75-6S 9 mv . Shpg. wt., 3 oz.

Model M93E—. 0007" $\times .0004^{\prime \prime}$ eilliptical stylus. Tracking Force: $11 / 2$ to 3 grams.
21 P62436L No Money Down* ............................................... 39.95
Model M75-6S-.0006" spherical stylus. Tracking Force: $11 / 2$ to 3 grams.
21 P62626L
Net 27.50
Model M75CS-.0006" spherical stylus. Tracking Force: 3 to 5 grams. 21 P 62834L

Net 24.50
MODEL M55E ELIIPTICAL STEREO CARTRIOGE. ElliptIcal .0007 x $.0002^{\prime \prime}$ diamond stylus. Tracking Force is $3 / 4$ to 2 grams. Separation: 25 db . Output Voltage: 9.3 mv . Shpg. wt., 302.
21 P62410L
Net 29.95
MODEL M44E ELLIPTICAL STEREO CARTRIDGE, Elliptical stylus (.0004 X. 0007") designed for automatic turntables. Tracks from $13 / 4$ to 4 grams. Frequency Responses $20-20,000 \mathrm{~Hz}$. Channel Separation: 25 db. Output Voltage: 9.3 mv . Shpg. wt., 302.
21 P62360L
.Net 24.95
MODEL M7/N210 STEREO CARTRIDGE. Frequency Response: $\mathbf{2 0 - 2 0 , 0 0 0}$ Hz. Channel Separation: More than 20 db at $1,000 \mathrm{~Hz}$. Output Voltage: 4 mv per channel at $1,000 \mathrm{~Hz}$. Tracking Force: 2 to 5 grams. Tracks perfectly in all record changer arms with .7 mil conical diamond stylus. Shpg. wt., 302.
21 P62063i
-See Page 23 for Full Details on Eas Pay Plan

# Tone Arms, Cartridges, Replacement Diamond Styli 

EMPIRE Magnetic Stereo Cartridges
from 1995
to $9 g^{95}$
10002E Elliptical Cartridge-Tracks at 0.2 grams in laboratory playback arms. Response $20-20,000 \mathrm{~Hz}$, separation 35 db at $1 \mathrm{kHz}, 25 \mathrm{db}$ or better to 20 kHz . Hand polished $.2 \times .7$ mil diamond stylus
21 P 35150 L Shpg. wt., 6 oz. No Money Down* ....Net 99.95 999 Elliptical Series-All styli are hand polished bi-radial. $15^{\circ}$ vertical tracking angle. Easily replaceable stylus assembly. Specifications: Output 999E/X and 999SE/X, 8 mv ; 999TE/X, 6 mv ; Channel separation 35db; Frequency Response: 999E/X 10-30,000 Hz; 999SE/X 8.32,000 $\mathrm{Hz}_{;} 999 \mathrm{TE} / \mathrm{X} 6-36,000 \mathrm{~Hz}$. Tracking Force: $999 \mathrm{E} / \mathrm{X}-3 / 4$ to 2 grams , 999SE/X and $999 \mathrm{TE} / \mathrm{X} 1 / 2$ to $11 / 2$ grams. Shpg. Wt., 6 oz.

| $21 P 34930 L$ | $999 E / X$ | Elliptical | 39.95 |
| :--- | :--- | :--- | :--- |
| $21 P$ 34922L | $9995 E / X$ | Elliptical | 49.95 |
| $21 P 34914 \mathrm{~L}$ | $999 \mathrm{E} / \mathrm{X}$ | Elliptical | 64.95 |

90EE/X Ellidtical Cartridge- $15^{\circ}$ vertical tracking. angle. Fully compatible for stereo or mono. Freq. Response $15 \cdot 25,000 \mathrm{~Hz}$, Output 8.0 mv , Channel Separation 30db. Tracking Force: $11 / 2$ to 4 grams . Shpg. wt., 2 oz.

## 21 P 34955L

.Net 24.95
sogex Elliptical Cartridze- $15^{\circ}$ vertical tracking angle. Induced tield moving magnetic armature. Fulty compatible for stereo or mono. Freq. Response $\mathbf{1 2 - 2 5 , 0 0 0 ~ H z}$, Channel Separation 30 db , Output 8.0 mv Tracking force: 1 to 4 grams. Shpg. wt, 2 oz.
21 P 34948L
Net 29.95
66 Series Cartridges-Induced moving magnetic armature. Light flexible stylus assembly.
Model $66 / \times-.7$ mil spherical stylus. Tracking force $11 / 2$ to 3 grams. Response: $10 \cdot 18,000 \mathrm{~Hz} \pm 3 \mathrm{db}$.
21 P 35176 L
Net 19.95
Model $66 / E X=.3 \times .7 \mathrm{mil}$ elliptical stylus. Tracking force $11 / 2$ to 3 grams. Response: $10 \cdot 20,000 \mathrm{~Hz} \pm 3 \mathrm{db}$. 21 P 35184 L

Net 29.95 Model 66/PEX-.2x. 7 mil elliptical stylus. Tracking force $11 / 2$ to 3 grams. Response: $10 \cdot 20,000 \mathrm{~Hz} \pm 3 \mathrm{db}$.
21 P 35192L

## .................................................................

Net 44.95

ADC and GRADO Stereo Cartridges


ADC 220XE Elliptical Stereo Cartridge. Separation: 20 db . Response: $10-18,000 \mathrm{~Hz} \pm 3 \mathrm{db}$. Tracking force: $11 / 2$ to 4 grams. Dutput: 5 mV . Shpg. Wt., 6 oz .
21 P 13306 L
Net 22.00
ADC XIM Elliptical Stereo Cartridge. Separation: 30 db. Response: $10-25,000 \mathrm{~Hz}$. Tracking force: 6 grams . Output 4 mV .
21 P 13389L No Money Down*
Net 40.00
AOC VIM Elliptical Stereo Cartridge. Separation: 30 db . Response: $10 \cdot 22,000 \mathrm{~Hz}$. Tracking force: 1 gram. Output 4 mV .
21 P 13371 L No Money Down*
...................................Net 32.00
GRADO F SERIES STEREO CARTRIDGES. Frequency Response: 10 to $35,000 \mathrm{~Hz}$. Channel separation: 25 db . Output: $4 \mathrm{mv} @ 3.54 \mathrm{CMV}$. Recommended Tracking Force: $11 / 2$ to $31 / 2$ grams. Shpg. wt., 4 oz . 21 P 41356 L FTR 6 Spherical 9.95 21 P41364L FTE $7 \times .3$ Elliptical 19.95

## SHURE M232 Stereo Tone Arm

## $32^{75}$

No Money Down*
Quality 12 " tone arm that ACCEPTS MOST CARTRIDGES and permits them to operate at thelr maximum potential performance. Features precision ball bearings at all pivot joints. plug in head with positive alignment lock and variable height adjustment. Positive visual control over balance without altering overall arm length. Tracking force $11 / 2$ to 6 grams. Comes with arm rest, template, mounting hardware. 21 P 62519 L Shpg. wt., $21 / 4 \mathrm{lbs}$. $\qquad$ .Net 32.75 MODEL M236 Same as M232, but for $16^{\prime \prime}$ Records in broadcast use. 21 P 62527L Shpg. wt., 21/4 Ibs, ................................Net 35.00 Shure A23H Extra Plug in Head. Shpg. wt., 5 oz.
21 P 62535L
Net 3.00

Pickering, Shure, Empire, Lafayette, ADC, Grado, Stanton

| Stock No. | Mfr. | Type | Stylus | For | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 21 P 01723 L | Laf. | D44 | Ellip. | Phase 44 | 5 |
| 21 P 53450L | Pick. | D1500AME-2 | Ellip. | V15/AME-1,2 | 20.95 |
| 21 P 53468 L | Pick. | D1507AM-2 | . 7 Mil | V15/AM-1,2 | 12.95 |
| 21 P 53476L | Pick. | D1507AT-2 | . 7 Mil | V15/AT-1,2 | 11.50 |
| 21 P 53484L | Pick. | D1507AC-2 | 7 MH | V15/AC-1,2 | 10.50 |
| 21 P 53500L | Pick. | 01527 | 2.7 Mil | V15 Series | 12.95 |
| 21 P 53591L | Pick. | P/D07-T | . 7 Mil | P/AT-1 | 10.50 |
| 21 P 53609L | Pick. | P/D07-c | 7 Mil | P/AC-1 | 9.90 |
| 21 P 53898L | Pick. | PDE | Ellip. | P/ATE 1 | 15.95 |
| 21 P 53021L | Pick. | D3807AT | . 7 Mil | U38AT | 12.95 |
| 21 P 53062L | Pick. | 03807C | . 7 Mil | 380C | 12.95 |
| 21 P 53112 L | Pick. | 09007 | 7 Mil | Mark/11 | 12.95 |
| 21 P 53633L | Pick. | D1500ATE-2 | Ellip. | V15/ATE-2 | 18.95 |
| 21 P 53641L | Pick. | D1500AME-3 | Ellip. | V15/AME-3 | 26.25 |
| 21 P 53658L | Pick. | D1500ATE-3 | Ellip. | V15/ATE-3 | 23.65 |
| 21 P 53674L | Pick. | D1507AT-3 | . Mil | V15/at-3 | 14.50 |
| 21 P 53872 L | Pick. | D750 | Ellip. | XV-15/750E | 31.50 |
| 21 P 53815 L | Pick. | D400 | Ellp. | XV-15/400E | 28.50 |
| 21 P 53823L | Pick. | 0200 | Ellip. | XV-15/200E | 26.25 |
| 21 P 55240L | Pick. | D140 | Ellip. | XV-15/140E | 23.95 |
| 21 P 53807L | Pick. | D100 | Ellip. | XV-15/100 | 14.70 |
| 21 P 53831L | Pick. | D1507AC. 3 | . 7 Mil | V15AC-3 | 12.50 |
| 21 P 53849L | Pick. | D1500ACE 3 | Ellip. | V15ACE-3 | 21.50 |
| 21 P 53914L | Pick. | DIV-AME | Ellip. | Phase IV/AME Micro IV/AME | 28.50 |
| 21 P 53948L | Pick. | DIV-ATE | Ellip. | Phase IV/ATE, Micro IV/ATE | 23.65 |
| 21 P 53955L | Pick. | DIV-ACE | Ellip. | Phase IV/ACE, Micro IV/ACE | 20.50 |
| 21 P 55257L | Pick. | DIV-AM | . 7 MH | Micro IV/AM | 23.45 |
| 21 P 55265L | Pick. | DIV-AT | . 7 Mil | Micro IV/AT | 14.50 |
| 21 P 55273L | Pick. | DIV-AC | 7 MiI | Micro IV/AC | 13.50 |
| 21 P 34047L | Empire | S880P.6RD | . 6 Mil | 880P | 12.95 |
| 21 P 34401L | Empire | S888PE-ERD | Ellip. | 888PE | 20.95 |
| 21 P 34419L | Empire | S888P-6RD | . 6 Mil | 888P | 14.95 |
| 21 P 34963L | Empire | S999SE/X-ERD | Ellip. | 999SE/X | 24.95 |
| 21 P 34484L | Empire | S909E/X-ERD | Ellip. | 909E/X | 14.95 |


| Stock No. | Mir. | Tур* | Stylus | For | Not |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 21 P 34476 L | Empire | S90E/X-ERD | Ellip. | 90EE/X | 13.95 |
| 21 P 34450L | Empire | S888-7RD | . 7 Mil | 888 | 12.95 |
| 21 P 34617L | Empire | S888E-ERD | Ellip. | 888 E | 16.95 |
| 21 P 34625L | Empire | S888SE-ERD | Ellip. | 888SE | 22.95 |
| 21 P 34724L | Empire | S999VE-ERD | Ellip. | 999VE | 36.95 |
| 21 P $34732 L$ | Empire | S888TE-ERD | Ellip. | 888TE | 24.95 |
| 21 P 34823L | Empire | S888VE-ERD | Ellip. | 888VE | 29.95 |
| 21 P 35226L | Empire | \$66/X-7RD | 7 Mil | 66x | 7.95 |
| 21 P 35200L | Empire | S66E/X-ERD | Ellip. | $66 \mathrm{E} / \mathrm{X}$ | 9.95 |
| 21 P 35218L | Empire | S66PE/X-ERD | Ellip. | 66PE/X | 12.95 |
| 21 P 62642L | Shure | N91ED | Ellip. | M91E0 | 26.00 |
| 21 P62659L | Shure | N7SEJ-T2 | Ellip. | M75EJ/Type 2 | 22.50 |
| 21 P 62675L | Shure | N758-T2 | . 6 MiI | M758/Type 2 | 16.75 |
| 21 P62667L | Shure | N75-6 | . 6 Mil | M75-6S | 11.35 |
| 21 P62683L | Shure | N75C | . 6 MII | M75.CS | 10.00 |
| 21 P62022L | Shure | N30 | . 7 MII | M3D, M70 | 7.95 |
| 21 P 62071L | Shure | N210 | . 7 Mil | M70, M3D | 11.00 |
| 21 P 62170L | Shure | N44-5 | . 5 MII | M44.5 | 11.00 |
| 21 P 6218BL | Shure | N44.7 | . 7 Mil | M44-7 | 9.75 |
| 21 P62543L | Shure | VN15E | Ellip. | V15, V15/II | 27.00 |
| 21 P 62246L | Shure | N55E | Ellip. | M80, M55 | 14.95 |
| 21 P 62253L | Shure | N99 | . 7 Mil | M99 | 15.00 |
| 21 P62378L | Shure | N44E | Ellip. | M54E | 12.50 |
| 21 P62402L | Shure | N32E | Ellip. | M32E | 14.50 |
| 21 P 62477 L | Shure | N91E | Ellip. | M91E | 24.50 |
| 21 P62469L | Shure | N93E | Ellip. | M93E | 19.50 |
| 21 P 13157 L | ADC | R-6E | Ellip. | 660/E | 15.00 |
| 21 P 13207 L | ADC | R-12E | Ellp. | 10E/II, 10/E | 22.50 |
| 21 P 13405 L | ADC | RVL | Ellip. | VLM | 12.00 |
| 21 P 13280 L | ADC | R-9E | Ellip. | 220E, 990E | 12.00 |
| 21 P 13330 L | ADC | R20X/E | Ellp. | 220X/E | 10.00 |
| 21 P $13397 L$ | ${ }_{\text {ADC }}$ | RXL | Ellip. | XLM | 20.00 |
| 21 P 38048L | GE | DR-70 | . 7 MiI | V1000-7 | 8.40 |
| 21 P 38063L | GE | VR222 | . 7 MiI | VR-22 | 5.00 |
| 21 P41372L | Grado | FTR/S | . 6 Mil | Spherical | 7.50 |
| 21 P 41380 L | Grado | FTE/S | .7x.3 Mil | Ellip. | 12.50 |
| 21 P 24014 L | Stanton | D6800EE | Ellip. | 681EE | 36.00 |

## Reverb, Phono Preamps, Amplifiers, \& Accessories  PHONO PREAMP <br> - Ideal For Use With Amplifiers That Do Not Have Low Level Inpuis For Magnetic Cartridges <br> - 4 Silicon Translstor Circuitry <br>  <br> NEW! STEREO SIGNAL TEST generator <br>  $14^{95}$ <br> Generates a low distortion steady tone in two

- 4 Silicon Translstor Circuitry
- Compact Size Permits Concealed
Mounting

A self-powered compact solld-state stereo phono preamplifier espe. cially designed for use with Hi-FI stereo amplifiers not having magnetic cartridge inputs. The exceptional feature of this preampilifier 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 $\mathrm{HI}-\mathrm{Fi}$ system. Frequency response: $30-20,000 \mathrm{~Hz}$. RIAA Playback Curve. Gain: 6 mv , input for 0.5 volt output. Input Impedance: 50,000 ohins. S/ N ratio over 60 db . Input: 2 RCA type phono jacks. Output: 2 RCA type phono jacks. Power Supply: 117 VAC $50 / 60 \mathrm{~Hz}$. Power consumption: . 1 watt. Size: $4 \mathrm{k} 21 / 2 \mathrm{x}$ $11 / 2^{\text {² }}$. Imported. Shpg. wt., 1 lb .

## 99 P 02198

Net 9.65

## 4 TUBE AC/DC STEREO PHONO AMPLIFIER

## 95

(Less Tubes)

- 2 Output Transformers

- 2 Separate Tone Controls

Powerful yet compact stereo ampllifer produces up to 2 watts per channel. Uses 4 lubes: $212 \mathrm{AV}, 250 \mathrm{C5}$. Selenium rectifier power supply. Output impedance: 3 ohms. Separate volume controls for each channel. Size: $6^{1 / 6} \times 2 \mathrm{~K}_{6} \times 4^{\prime \prime}$, Less tubes. Imported. Wt., $11 / 2$ lbs.
99 P 01547
36 P 90021 M Kit of 4 tubes. Shpg. wt., 12 oz .
Net 7.95

## RADIO BROADCASTER/ PHONO OSCILLATOR



Have fun making announcements and broadcasting music through your own radio-with this broadcaster. Simply connect high impedance microphone or phono pickup to broadcaster and tune in broadcaster on radio. No wiring between the broadcaster and radlo set. Pretuned to 1600 on radlo dial but easily retuned. With 12BE 6 and 35 W 4 tubes, phono jack, 2 feet of antenna, schematic and line cord. Completely wired. Chassis size: $4 \times 2^{\prime \prime}$. For $110 \cdot 125 \mathrm{~V}$ AC-DC operation. imported
99 P 01778 Shpg. wt., $11 / 4$ Ibs
Net 7.75 ranges, Hi Output for tape inputs, aux, and line; and Lo Output for Mic. and phono inputs, Use for balancing, aligning, and troubleshooting stereo systems. Operates on 9 Volt battery (Not Included). Shpg. wt., 1 lb .
24 P 80937
Net 14.95
99 P 60212 9V Battery (1 Req.)
Net 31

## 4.SPEED PHONO MOTOR

Quiet dependable AC operation assured by shock-mounted friction drive motor. Speed change control through Ider driving rim of $8^{\prime \prime}$ turntable having retractable 45 RPM center adapter. Requires $21 / 2^{\prime \prime}$ below base plate. Shpg. wt. 2 lbs. Motor and turntable. 24 P 03467
 Mounting boa
24 P 35006 ards. Wt., 2 lbs

## STEREO/MONAURAL PICKUP



High output crystal turnover cartridge for either stereo or monaural operation. Synthetic sapphire needles ( .7 mil and 3 mil ) for $L P$ and standard 78 RPM use. Replacement for most manual players. Mounts in $7 / 16^{\prime \prime}$ dia. circular hole. Imported. 99 P 10241 Shpg. wt., 5 oz.

Net 2.59 Synthetic Sapphire ip replacement needle.

Net 99 24 P 04184 Shpg. wt., 2 oz .

Net . 99
Synthetic Sapphire STO replacement needle.
Net .99
24 P 04176 Shpg. wt. 2 oz.
Nef .9
AUTOMATIC HI-FI SHUTOFF


Shuts off Hi-Fi equipment at the end of the last record. A 3-position switch allows the use of this one unit for all record changers, do mestic and imported. This switch also permits manual operation if the automatic shut-off feature is not desired. Housed in a rugged drawn-steel case with mounting ears, amplifier outlet, and 6 ft . AC cord. Size: $21 / 8 \times 43 / 4 \times 17 / \beta^{\prime \prime}$. Shpg. wt., 1007.
24 P 28019
Net 5.25

# Phono And Hi-Fi Installation Accessories shure strul gauge 



Model SFG-2 Stylus Force Gauge. Helps you set your tone arm to a precise tracking force to mainiain optimum trackability and sharply reduce wear on records and stylus tip. Detects excessive or insufficient tracking force. Especially valuable when cartrioges are changed. Accuracy to within $1 / 10$ gram in $1 / 2$ to $11 / 2$ gram primary operating range; extended range to 3 grams. Uses friction-free, stalnless steel pivot points, and easy-to-read reference bars in a permanently accurate "balance" system-no springs to weaken or wear out. Used with tone arm in actual playing position for greater accuracy. Shpg. wt., $40 z$.
21 P 62584
Net 4.95

## IDNG LFE H-FI BOMER

- 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 installations, to ventilate equip.
life and best performance. With shunt delivers 50CFM at low noise level, shunt removal dellvers 75 CFM with slight increase in noise level. Front and back grilles. Permanently lubricated. Rated 115 VAC, 60 Hz . Size: $51 / 2 \times 6 \times 23 / 8^{\prime \prime}$. Complete with grili bracket, mounting hardware and instruction sheet. Shpg. wt., 2 lbs. 24 P 39016

Net 10.50

- Ideal For Cooling TV And Hi-Fi Equipment
- Super Silent, Compact
- Sturdy Metal

Construction


Exceptionally low-noise fan for cooling hi-fl equipment. Slow rotating 5 -blade impeller delivers 50 cfm , enough air to exhaust the average enclosure 10 to 30 times per minute, to minimize thermal drift and increase equipment life. Airflow is reversible. Has heavy non-warp all metal frame and motor mounting acts as an efficient heat sink, adding life to motor and bearing. Pre-lubricated for years of mainte-nance-free operation. Only $411 / 10^{\prime \prime}$ square by $11 / 2^{\prime \prime}$ deep, fits any cabinet. Easy to install. Comes with complete mounting kit including special heavy duty brackets for mounting versatility, hardware, grommets, shock-absorbing spring mounting pad, A.C, power cord and clip on plug, template and instruction sheet. Rated 115 VAC, 60 HZ .
24 P 43018 Shpg. wt., 2 lbs.
Net 14.85

## BALL BEARING HEAVY DUTY SLIDES

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

## 20 P 52025



- Permits Accurate Turntable Leveling
For stereo and mono Hi-Fi systems. Prevents unnecessary needle and record groove wear. Precision, circular bubble type level indicator for accurate furntable leveling. Circular 4 -way spirit level mounts to top deck of turntable. Four adjustable leveling screws and T nuts. Provides quick, easy adjustment. 24 P 80341 Shpg. wt., 4 oz. .... Net 3.25


Excellent sound absorbing material. For lin ing interiors of speaker cabinets, consoles, phonos, TV's etc. Damps medium and high frequency reverberation and distortion. Suitable for many other installation purposes, 9 sq. ft. 1" thick with glue and applicator. 20 P 15014 Shpg. wt., $3 / 4$ lbs..... Net 1.75 OELUXE BASS REFLEX KIT: Same as above but contains 20 square ft . $16^{\prime \prime} \times 16^{\prime} \times 1^{\prime \prime}$ thickness fiberglass. Shpg. wt., $21 / 2$ lbs. 20 P 15022

LAFAYETTE HI-FI TEST RECORD

- For Both Stereo and Monaural

This two sided $12^{\prime \prime}$ LP record uses easy to make 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 char acteristics of your hi-fi system. 24 P 45070 Shpg. wt., 1 lb

Net 2.95


Choice selection of latest patterns and beautiful decorator colors. Made of finest quality vinyl plastic, woven with proper mesh for
passage of high frequencies as well as low. Shipg, wt., (36" $\times 36^{\prime \prime}$ ) $11 / 4$ lbs. $\left(18^{\prime \prime} \times 24^{\prime \prime}\right) 8$ oz.

## Description

Rich Natural Linen Weave
Dark linen, walnut with gold slubs
Random silver melallic
Mahogany waffle weave with ivory threads
Solid black waftle with interwoven black luster
Beige waffle weave with walnut threads
Fine gold mesh
Heavy gold ralsed metallic on dark ground
Silver \& blue metallic waffle
Black ground with metailic gold scroll
Blended walnut diamond
Interwoven natural cane on dark ground
Raised walnut waffle cane
3 D walnut wicker weave
Dark walnut inter-woven basket weave

## For Use with

Contemporary \& Modern
Contemporary \& Modern
for amplifiers, and ebony
Modern fruitwood
for amplifiers and modern
Modern walnut
Maple \& fruitwood \& walnut
Contemporary-walnut
Most popular for amplifiers
Modern with walnut or black
Traditional early American-Deluxe canes
Modern \& contemporary walnut
Modern \& contemporary - for walnut
Contemporary, walnut \& fruitwood
for contemporary \& modern

20 P 125323.50
20 P 125573.50
20 P 124173.50
20 P 120293.95
20 P 125733.95
20 P 123913.95
20 P $12128 \quad 3.95$
20 P $12672 \quad 3.95$
20 P 126154.75
20 P 121364.75
20 P 124334.75
20 P 121693.95
$\begin{array}{lll}20 \mathrm{P} & 12631 & 3.95 \\ 20 \mathrm{P} & 12490 & 4.75\end{array}$
20 P 126564.75
$18 \times 24$
Stack No. Net 20 P $12540 \quad 1.95$ 20 P $12565 \quad 1.95$ 20 P 124251.95 20 P 120372.10 20 P 125812.10 20 P 125812.10 20 P 124092.10 20 P 122012.10 20 P $12680 \quad 2.10$ 20 P 126232.50 20 F 122192.50 20 P 124412.50 20 P 122432.10 20 P 122432.10 20 P 126492.10 $\begin{array}{lll}20 \mathrm{P} & 12508 & 2.50 \\ 20 & \mathrm{P} & 12664 \\ 2.50\end{array}$

## LAFAYETTE Replacement Styli

MADE FOR LAFAYETTE BY THE FOREMOST AMERICAN MANUFACTURERS


## KEY TO POINT CODES

The symbols in the column headed "pt SIZE" are explained in the table below.
$L P=$ Monaural 1 MIL DIAMONO MICROGROOVE FOR $331 / 3$ AND 45 RPM
COM8 = MONAURAL DUAL 1 MIL OIAMOND AND 3 MIL SYNTHETIC SAPPHIRE

ANY STYLI ON THIS PAGE
 $S$ STEREO. 7 MHL DIAMOND
SST = STEREO . 7 MIL DIAMOND AND 3 MIL SYN. EXCEPT THOSE NOTED THETIC SAPPHIRE
SLP = STEREO . 7 MIL OIAMOND ANO 1 MIL SYN. 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 illustration on this and the facing page. Order by the appropriate stock number. Shpg. wt., 302.


| Stock Size | Sig. Cartridge |
| :--- | :--- | :--- | :--- |
| No. Pt. Fig. |  |


|  | Slock No. | $\begin{aligned} & \text { Size } \\ & \text { Pt. } \end{aligned}$ | Fig. | Cartridge |
| :---: | :---: | :---: | :---: | :---: |
|  | 4 P 01529 | S | 5 | 35-2809, 24, 25 |
|  | 4 P 01537 | S | 6 | 35.2820. 26 |
|  | 4 P 01586 | S | 12 | 35-2827. 29 |
| FOR PHILLIPS CARTRIDGES |  |  |  |  |
|  | 4P01909 | SST | 52 | AG3306, 3310 |
| FOR RCA CARTRIDGES |  |  |  |  |
|  | P 01156 | LP | 2 | \$5652, 76257 |
|  | P P 01214 | LP | 7 | 76257,988370-2 |
|  | 4 P 011222 | LP | 8 | 74067 |
|  | 4 P 01 248 | Comb. | 9 | 100329 |
|  | P 01347 | LP | 37 | 74466 |
|  | P 01461 | Comb. | 45 | 76748, 100653 |
|  | P P 01537 | S | 6 | RH Pi00, T, T-1 |
|  | P P 01578 | SST | 53 | 106770, 1, 106960A |
|  | P 01768 | S\$T | 54 | 110021 |
|  | P 02394 | SST | 54 | 11348, 200.A2 |
|  | 4 P 02402 | S | 55 | 115059 |
|  | 4 P 02592 | SST | 56 | RMP-204, 115276 |
|  | 4 P 02600 | SST | 57 | 117330 |
|  | 4 P 02816 | S | 58 | 116931 |
|  | 4 P 03277 | S | 59 | 126316 |
|  | 4 P 04150 | SST | 87 | 131779 |
|  | 4 P 04168 | S | 88 | 131788, 132034 |
|  | 4 P 03509 | SST | 91 | 115703 |
| FOR RONETTE CARTRIDGES |  |  |  |  |
|  | 4 P 01537 | S | 6 | BF40, 105,106 |
|  | P P 01792 | LP | 12 | T0284, 400; RA284 |
|  | 4 P 02469 | LP | 6 | 8F40, 105 |

## DUAL DIAMOND STEREO STYLI

Styli listed below have 2 stereo polnts so that as one wears out you can use the other. Use to replace original styli with one stereo and one 78 RPM point If you are no longer using 78 RPM records. Figures shown at top of two lacing pages. (FIG. 11). Replaces Astatic N41SD styli in 24 P $01800^{170}$ cartridge.
(F10. 53). Net 3.49 (FiG. 53). Replaces RCA styli 11020 and 110022 in cartridge series RPM. 106960 A. 108213A, 106770.A and 105771.A. 24 P 01818

Net 3.49
(FiG. 46). Replaces Sonotone styli N-8TAS SD. DD in cartridge 8T. 8TA.
24 ㅇ 01826
Net 3.49 (FIG. 64). Replaces Sonotone styli N.9TS, SD. OD in cartridge series 97 .
24 P 01834 Net 3.49
(FIG. 64). Replaces Sonotone styli N16TS SD DO in cartridge series $16 \%$. 24 P 01842

## For Stereo And Monaural Cartridges



FOR KEY TO STYLUS POINT GODES AND HOW TO ORDER, SEE TOP OF PRECEDING PAGE


FOR TETRAO CARTRIOGES

| 24 P 02626 | SST | 72 | 11, 31 |
| :---: | :---: | :---: | :---: |
| 24 P 02634 | SST | 72 |  |
| 24 P 02642 | SST | 72 | 32 |
| 24 P 02659 | SST | 72 | 13, 33 |
| 24 P 02667 | SST | 72 | 52, 62 |
| 24 P 02675 | SST | 72 |  |

## RECORD STATIC

 and OUST ELIMINATORSprays a fine mist which keeps your record clear of surface noise created by static (common to all vinyl records) and clean of dust attracted by the static charge. Prevents groove and needle wear caused by static-dust and keeps records lustrous. Extends their life. Two applications a year are sufficient. Enough for hundreds of records. ShPg. wt., 10 oz. 24 P 70037 ............. Net .99

## RECORD CLEANER KIT



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 fiuid, velvet appilcator. 24 P 70045 Shpg. wt., 3 oz. .. Net. 1.19


| Stock Pt. |  |
| :---: | :---: | :---: | :---: |
| Mo. Size Fig. | Cartridge |


| 24 P 02832 | S | 72 | 10, 40, 80 |
| :---: | :---: | :---: | :---: |
| 24 P 02840 | SST | 72 | 23, 24 |
| 24 P 02972 | SST | 72 | 51, 61 |
| 24 P 02980 | SST | 72 | 53,63 |
| 24 P 02998 | SST | 72 | 54, 64 |
| 24 P 03004 | S | 72 | 20, 40 |
| 24 P 03012 | S | 72 | 10, 30 |
| 24 P 03020 | S | 72 | 80 |
| 24 P 03038 | SST | 72 | 71,91 |
| 24 P 03046 | SST. | 72 | 73,93 |
| 24 P 03053 | SST | 72 | 14,34 |
| $24 \mathrm{P}^{2} 03293$ | \$ST | 72 | 24, 44 |
| 24 P 03301 | SST | 72 | 74,94 |
| 24 P 03517 | S | 72 | 50.60 |

FOR VARCO (VACO) CARTRIDGES
24 P01016 LP 73 T-45 S.45
24 Pot 2543 SST 74 CN Series
24 P02550 SST 75 TN Series

FOR VM CARTRIDGES
24 P01529 S 5 16707-A 24 P01545 SST $46 \quad 16708 \cdot F$

FOR WEBCOR CARTRIOGES


FOR ZENITH CARTRIDGES

| 24 P 01537 | S | 6 | 142-998 |
| :---: | :---: | :---: | :---: |
| 24 P 02857 | SST | 77 | 142-126, |
|  |  |  | $127,128,136$ |
| 24 P 02865 | SST | 77 | 137,138 $142-150,15$ |
| 24 P 03327 |  |  | 左 |

## RECORD CARRYING CASES



## OELUXE CASE FOR 12" RECORDS

(Fig. A) Mandsome case holds $60-12^{\prime \prime}$ records without jackets, 36 with. Solid wood frame lock corner construction. Covered with Pyroxolin coated cloth, washable and long wearing. Two tone. Sure-hold lock. 131/4x $7 \times 141 / 2^{\prime \prime}$. Shpg. wt., $43 / 4$ lbs.
24 P 82016
Net 5.75

## DELUXE CASE FOR 7" RECORDS

(Fig. B) Same construction as above. Double sided. Holds 120 records. $151 / 2 \times 7 \times 83 / 4$ ", With index and separators. Shpg. Wt., $41 / 4 \mathrm{lbs}$. 24 P 82024

## SYNTHETIC SAPPHIRE STYLI FOR ASTATIC, PHILCO, MAGNAVOX AND RONETTE

(FIG. 12). For ASTATIC 310T, 310TB, 310TS, 310-2, 414-1, 420-TS, 422.TS, 424.TS; PHILCO 35-8014. 325.8021; MAGNAVOX 560176: RONETTE SERIES DT-60. RA-284, TO-284.
3 Mil for 78 RPM Records
24 P 01982
Net .99
2 Mil for 78 \& Mono LP
24 P 01990
Net .99
24 P 020141 Mil for Mono LP.. Net .99

(FIG. A) 7 Mil Diamond Stylus For Shure M7D and M3D Stereo Car. tridges.
24 P 01636
Net 7.50
(FIG. B) 7 Mil Diamond Stylus For
Shure M44 Stereo Cartridge.
24 P 03061
Net 8.75
(FIG. C) 6 Mil Diamond Stylus For
Empire 880P Stereo Cartridge.
24 P 03079
Net 7.95
(FIG. D) 7 Mil Diamond Stylus For
Empire 888 Stereo Cartridge.
24 P 03087

$$
\text { Net } 7.95
$$

## THE WATTS "DUST BUG"

Automatically removes dirt and dust on each playing. Light plastic arm mounts by suction cup. Can be permanently mounted by rubber cement. The bottle of antistatic cleaning fluid has a built-in wick for application to a brush and pad at the end of arm. Imported. Stipg. wt., 40 oz .
24 P 25015
Net 6.50
DISPENSER OF ACTIVATING FLUIO. For Dust Bugs. Shipg. wt., 2 oz.
24 P 25049
Net 2.50
Replacement Plush Pad and Nylon Brush. Shpg. wt., 2 oz.
24 P 25031
Net 3.00

## RECORD DUST REMOVER



For a dust-free record collection. The "Preener" penetrates each groove, removing all dust and grit and deposits a non-toxic ionic compound. Leaves no trace of film or residue. Ideal for keeping new records new. 24 P 25056 Shpg. wt., 4 02. ............ Net 4,00

High quality extension cables "tailor made" for users of recorders, hi-fi equipment, etc. All plugs molded directly to various cable combinations. Shielded cable for high impedance (mike, etc.) connections; parallel wire for low impedance (speaker, etc.) connections. Imported. Avg. shpg. wt., 5 oz.

(P) Phono plug coupler, accepts phono plug at each end

32 P 52012 Shpg. wt., 302
Net .49 (S) 2 conductor phone lack Input to phono plug output. 99 P 62309 Shpg. wt.. 3 oz. (T) Phnno jack inpul to standard 2-conductor phone plug output.
 (U) Phono jack input io a mini-plug ( 1 \&" dia. finger) output.
99 P 63448 Shpg. wt. 3 oz. ............................................................... 83 N) 2 -conductor mini-jack ( $1 / \mathrm{e}^{2}$ dia. sleeve) input to phono plug output.
99 P 63455 Shpg, wt.. 3 0z. .......................................................................... 77
(W) 2-conductor mini-jack ( $4 / 8$ da. sleeve) input to standard $2 \cdot$ con* ductor phone plug output.
99 P 63463 Shpg. wt. 302.
99 P 63463 Shpg. wt.. 3 oz .
(W) 2 -conductor mini-jack $\left(1 / \mathrm{g}^{\prime}\right.$ dia. sleeve) input to 3 conductor phone piug output. Shpg. wt.. 2 oz . 99 P 63075 2n. Net .99
( $X$ ) 2-conductor subminiature jack ( $\xi_{32}^{* *}$ dia. sleeve) input to miniplug ( ${ }^{\prime}$ g" dia. finger) output.
99 P 63471 Shpg. wt.. 3 oz. ................................................................. 79 (Y) 2 -conductor standard phone jach input to 2 -conductor subminia. ture plug ( $3_{32}$ " dia. finger) output.
99 P 63489 Shpg. wt., 302.
.Net 79

## 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. Norelco, Grundig, Korting, Uher SONY, and other cassette or tape recorders. radios, phonos, amplifiers etc. All phono plugs and jacks are color coded. $69^{\prime \prime}$ shieided cables. Imported. Shpg. wt. 6 oz.
(N) 5 -pin adapter connects to 4 RCA-type color coded phono plugs 99 P 63539

Net 1.99
(0) 5 -pin adapter connects to 4 RCA-type color coded phono jacks 99 P 63547

Net 2.69 (P) 5-pin adapter connects to 2 RCA-type color coded phono plugs 99 P 63554

Net 2.49
(Q) 3-pin adapter connects to 2 RCA-type color coded phono plugs 99 P 63562 Net 2.10 (R) 3-pin adapter connects to 2 RCA-type color coded phono jacks 99 P 63570

Net 1.95


Kit contains: 2 phono plugs with $69^{\prime \prime}$ connecting cable: phono plug connected to 2 alligator clips by $4^{\prime \prime}$ cable. coupier with phono jack and phone jack; phone plug output with phono jack input; and coupler with phono lack at each end. All connecting cables are shielded and insulated. Ideal for connecting tape recorder to phonograph, radio or TV. or tuner to amplifier. Imported. Shpg. wt , 6 oz.

36" AUDIO COILED CABLES


A set of 4 color coded shielded cables terminated at each end with phono plugs. $36^{\prime \prime}$ extended, retract to only $14^{\prime \prime}$. Plugs molded directly to cable. One each red, grey, yellow and green colored cable and phono plugs for easy installation and instant identification. Imported. Shigg. wt. 6 oz .
99 P 01372
Net 1.95

## 4-WAY ADAPTER PLUG - 4 Most Popular Plugs

A versatile $4 \cdot \mathrm{in} \cdot 1$ adapter plug for most popular transistor radios and cassette type recorders. Has four dif. type recorders. Has four dif.
ferent terminations in par.
 allel compactly molded in a single housing: a 3.5 mm miniâture plug; 2.5 mm subminiature plug; 3.5 mm power jack and 2.5 mm coaxial power plug. imported. 99 P 61046 Shpg. wt., 402.

## STEREO AUDIO CABLES



Two shielded insulated cables. (of different color tones. for easy idemtification of chan. nels) inside a common chrome grey plastic jacket, providing two completely isolated channets. Avg. shipg. wt. 8 oz . Imported.
Type Length

| 99 P01133 | $36^{\prime \prime}$ | Phono pin | 1.69 |
| :--- | :---: | :--- | :--- |
| 99 P01141 | $6^{\prime}$ | plugs at | 1.83 |
| 99 P 01158 | $10^{\circ}$ | all ends. | 2.19 |

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

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


PHONE PLUG (A) TO VARIOUS CONNECTIONS. Std, $1 / 4$ " dia. sleeve; completely shielded. All cables shielded except ${ }^{*}$ unshielded parallel cable. Avg. shpg. wt., 6 oz .

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


PHONE PLUG (G) TO VARIDUS CONNECTIONS

## 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. Coupllng ring back converts mike conn, to male type.
24 P 88559
Net 1.26
334A-Phono jack input to female mike connector output.
24 P 88567
Net 1.05
$336 A-2$ cond. phone jack input to phono plug output.
24 P 88583
Net 1.26
338A-Phono plug at one end with male mike connector at other end.
24 P 88591
HI-FI SPEAKER CABLES


Set of 2-15 ft. speaker cables, each with spade lugs on all ends. Clear plastic covered polarized conductors. 24 gauge copper conductors. Shpg. wt., 5 oz .
32 P 36486 Per Set
...Net 98
Same as above, but set of 230 -ft. cables with 22 gauge conductors.
32 P 36528 Shpg. wt. 14 oz . .... Net 1.69 Set of 2.15 ft . speaker cables with RCA type phono plug at one end, tinned and stripped Leads at the other. Imported.
99 P 00515 Shpg. wt., 13 oz. ...Net 2.19
Same as above, but set of 2.30 ft . cables.
99 P 00457 Shpg. wt., 14 oz . ..Net 3.58
$345 A-2$ cond. phone plug output with phono jack input.
24 P 88625 Net 93
349A-Phono plug coupler-with phono jack at each end
24 P 88641 Net 78
364 A - 2 -Conductor tini-jack $\mathrm{os}^{\circ}$ dia. sleeve to 2-conductor standard $1 / 4$ " plug. 24 P 88906

Net 1.11 365-2. Conductor tini-jack \%" dia. sleeve to phono plug output.
24 P 88914
Net 1.11 370 Phono jack input to a 2-conductor tiniplug (\% " dia, finger) output.
24 P 88922
Net .87

374 -2-Conductor phone jack input to a 2 conductor tini-plug ( $/ 4 / 4$ " dia. finger) output.
24 P 88930
Net 1.26
$383-3$ contact female mike input to a 2 . conc. phono jack output.
24 P 88948
Net 2.91
384-3 pin male mike input to a 2 -cond. phone jack output.

## 24 P 88955

Net 2.61
386 - 3 contact femate mike input to stan.
dard 2 -cond. phone plug output.
24 P 88963
Net 2.85
387-3 pin male mike input to a standard
2-cond. phone plug output.
Net 2.52

## 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 $4^{\prime \prime}$ shielded cable.
99 P 00937
Net . 94
(M) Phono Jack connected to 2 Phono Piugs.

99 P 00945
Net .94
(N) 3 Phono Plugs connected together by $4^{\prime \prime}$ shielded cable.
99 P 00952


Completely shielded 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 P 00895
Net 1.19
(P) Two phono jacks connectors in parallel to a standard phono plug. 99 P 00903

## ROBINSO PHONO AND RECORD ACCESSORIES


(A) PK. 11 COMPLETE DELUXE RECORD CARE KIT. Record Sweep mounts to any phono deck by suction cup. Cleans and lubricates records as they play. Includes Anti-Static Cleaner and Lubricant, Stylus Pressure Gauge, Stylus Microscope, and "Rob-0-Stat" Record Care Kit consisting of a super-soft velvet and foam applicator mitt, $11 / 2$ oz. anti-static cleaner-lubricant, and poly-foam pad. Shpgwt., 10 oz.
24 P 80648
Net 8.99
(B) PSG-3 STYLUS PRESSURE GAUGE. Accurately calibrated gauge and counter balance weight. Measures pressure to $1 / 2$ gram.
24 P 80556 Shpg. wt., 4 oz. ....Net 1.15
(C) PM-1 STYLUS MICROSCOPE, Inspect stylus tip for signs of wear, chips, etc., to prevent record damage. Precision ground lenses, $50 x$ magnification. Knurled focusing adjustment. Pocket clip. Slot at end of scope holds stylus. Size: $33 / 4 \times 1 / \mathbf{2 "}^{\prime \prime}$. Imported. Shpg. wt., 3 oz .
24 P 80168
(D) PX-B ANTI-STATIC RECORD-KLEEN SPRAY. Silicon lubricant and cleaner prevents dust accumulation on records. Eliminates static pOPS and clicks to improve fidelity. 8 oz.
24 P 80689 Shpg. wt., 13 oz . Net 1.29
(E) PK-5M PROFESSIONAL PHONO STROBE AND LICHT KIT. 4.speed metal strobe disk and neon lamp. Tests phono speed accuracy at $162 / 3,331 / 3,45$, and 78 rpm .110 V . 50.60 Hz . A.C. Instructions included.

24 P 80358 Shpg. wt., 5 oz. .... Net 2.49
(7) PB-12 PROFESSIONAL GROOVEMASTER. The finest of its type available. Automatically removes dirt and dust from delicate record grooves. Features velvet cylinder, tapered nylon brush, and convenient fingerlift. Made in England. Shpg. wt., 1402. 24 P 80879

Net 6.99
PB- 2 COMBINATION TONE-ARM LIFT AND RECORD GRUSH. (Not illus.) Clips to tonearm. Sweeps dust and particles from records. Convenient finger lift prevents records. Conveni
24 P 80028 Shpg. wt., 2 oz. .... Net . 69
(G) PE-3 ADJUSTABLE STYLUS BRUSH FOR ALL U.S. AND IMPORTED PHONOS. Spring secured flexible brush adjusts from $3 / 4^{\prime \prime}$ to $21 / \mathbf{"}^{\prime \prime}$ height. Removes blob accumulation on stylus when tone-arm is cycled. Self-stick base for easy mount to phono deck. 24 P 80549 Shpg. wt., $3 \mathrm{oz} . . . .$. Net .89
(H) PB- 9 DISC-WHISK RECORD CLEANER. Cleans and lubricates LP and 45 rpm records on both sides in one operation by rotating record. Deposits Antl-Static Silicon to im prove fidelity. Record handling disc included. 24 P 80671 Shpg. wt., 4 oz. .... Net 1.35

PG-20 DISPOSABLE DISC-KLEEN CLOTHS. (Not illus.) Package of 18 Anti-Static, Silicone impregnated cloths. Cleans and lubricates records.
24 P 80812 Shpg. Wt., 4 oz .... Net 1.05

PC-2 TWO ANTI-STATIC RECORD LLEANINE CLOTHS ANO CLIP-ON RECORD BRUSH.
Shpg. Wt., 40 Oz .
24 P 80440 (Not illus.) Net ........ Net 87

(I) PSC-1 HI-FI STYLUS CLEANING KIT. A specially designed fluid and brush for safe cleaning of stylus. Increases life of stylus and records. Made in England. Shpg. wt., 6 oz
24 P 80887
Net 1.49
(1) PJ-18 ROUND BOTTOM PIASTIC RECORD COVERS. Protects $12^{\prime \prime \prime}$ records. Pkg. of 18. 24 P 80564 Shpg. wt., 5 oz .... Net . 81
(K) PSG.4 STYLUS BALANCE, Lightweight gauge permits simple accurate adjustment of tone-arm pressure from $1 / 4$ to $41 / 2$ grams. Includes 8 weights. Made in England. 24 P 80895 Shpg. wt., 402 . ... Net .79

PB-75 CLIP-ON RECORO BRUSH. (Not llius.) Clips to tone arm. Sweeps dust from records. 24 P 80036 Pkg. of 2. Wt., 2 oz. .....Net . 75

(L) PB-10 PROFESSIONAL RECORD SWEEP Sweeps dust and particles from delicate sound grooves of records. Deposits AntiStatic Silticone cleaner and Lubricant. Improves sound fidelity. Mounts to phono by suction cud. Includes Cleaner and Lubricant. 24 P 80653 Shpg. wt., 5 oz . ... Net 3.89
(M) PB-88 "CLEAN-SWEEP". Large soft hair 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 P 80010 Shpg. wt., 6 oz. Net 4.99
PRA-50 RECORD SPIOERS. (Not illus.) 50 hi impact plastic, reusable 45 rpm adapters. Easy insertion in records. Shpg. wt., 4 oz. 24 P 80465
(N) PS. 3 AUTOMATIC SHUT-OFF FOR HI-FI/ STEREO SYSTEMS. All solid-state circuilry for reliablity. Let's you tall asleep to your favorite music without "equipment burn-up". Automatically shuts off hi-fi system after last record plays. Switch permits manual operation. Amplifier and phono plug into separate outlets of unit. For all U.S. and import equipment. Rated at 3 amps, 350 watts. Durable metaf 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. $50-60 \mathrm{~Hz}$ A.C. 24 P 80721 Shpg. wt., 2 ibs. .. Net 7.49 PC-4 TWO RECORD CLOTHS AND A 45 RPM SPIMOLE ADAPTER. (Not illus.) Wt. 3 oz. 24 P 80523

Net .87
TX. 56 NON-SLIP FOR. PHONO ORIVES. Stops slippage of drive wheels, belts, eic. 2 oz . (Not illus.) Shpg. Wt., 6 oz.
24 P 80804

(D) PRS-12 POLY-LINED RECORD SLEEVES. Paper protective sleeves for $12^{\prime \prime}$ records. Has clear poly windows to show labels of records. Seals out dust and grime to pre. serve records. Pkg. of 12.
24 P 80796 Wt., 13 oz.
Net 1.39
(P) PK-6 "ROB-0.STAT" RECORD CLEANING Kit. Super-soft foam applicator milt. $11 / 2$ oz. Antl-Static cleaner and lubricant, and poly-foam pad. Shpg. wt., 502.
24 P 80366
Net 1.59

PJ- 25 ALBUM COVERS, 12 heayy weight plastic window clear covers with thumb notch for easy insertion and removal of record albums. (Not illus.)
24 P 80705 Shpg. wt., 8 oz.
wt., 8 oz. ... Net 1.19
(a) PK.g "TENBER LOVING CARE" RECORO kir. Contains super-soft Velvet and foam Applicator Mitt, $11 / 2$ OZ. bottle of Anti-Static Record Cleaner and Lubricant, Polyloam 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 self-stick base. Adjusts from $3 / 4^{\prime \prime}$ to $21 / 4^{\prime \prime}$ neight 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 fumbling and scratching of records. Gently sweeps dust from delicate record grooves. Shpg. wt. 10 oz .
24 P 80853
Net 2.99
(R) PK-2 "TOUCH-OF-VELVET" RECORO CLEAN. ING KIT. Soft velvet cloth and bottle of Anti-Static Record Cleaner. Improves fidelity. 24 P 80861 Shpg. wt., 6 oz . .. Net 1.29
(S) PRI- 2 RECORD IONIZER. Keeps records factory fresh and clean. Gentle velvet plush applicator has internal chamber to hold special anti-static fluid. Gently removes any dust and other particles from delicate grooves. Increases record life and improves sound fidelity. Refills available. Shpg. wt., sound
6 ok .
24 P 80903
Net 2.99
(T) PRF-1 IONIZER REACTIVATING FLUID. Anti-static agent used to reactivate hecord lonizer. Can be used with other anti-static record cleaning devices. Shpg. wht. 401. 24 P 80911

Net 1.59
(U) PK-12 RECORD DISCOTECH CARE KIT. This gentle sponge does an effective job in keeping records clean, when used with included fluid. Stylus brush included. Made in England. Shpg. wt., 8 oz .
24P80929

## Popular Priced Solid-State Portable Stereo Phonographs

NEW

## SOLID-STATE 2 SPEED MANUAL STEREO PHONO SYSTEM

## Only <br> $29^{95}$

- 2 Bookshelf-style Speakers
- Hinged Plastic Dust Cover

Compact and portable, perfect to take to school or use in play room. Solid-state construction with all transistor integrated circult ampllfier provides full-fidelity sound. 2 "bookshelfstyle" speakers can be wall mounted. Heavy-duty chromeplated turntable. Separate volume controls for each channel. Play both 33 and 45 RPM stereo of mono records. Walnut plastic finish. Includes hinged plastic dust cover, 45 RPM adapter and speaker cables. For $117 \mathrm{~V}, 60$ cycles AC Mouse current. Dimensions: $23 \frac{1}{2} \mathrm{~L} \times 17 \mathrm{~W} \times 25^{\prime \prime} \mathrm{D}$. Shpg. wt., 11 lbs . 24 P 76000W

Net 29.95

LAFAYETTE 4-SPEED STEREO PHONOGRAPH


$64^{95}$- Garrard 4 -Speed Automatic Record Changer - Each Detachable Speaker Contains a 4" Air Suspension Speaker - Front Panel Stereo Headphone Jack

Two detachable acoustically matched $4^{\prime \prime}$ speakers can be separated up to 12 ft . for full dimensional sound, Garrard changer plays all size records at $162 / 3,331 / 3,45$, and 78 RPM. Instanton solid-state stereo amplifter has 3 controls, Volume Left, Volume Right, and Tone Phono turns off after last record fas been played. Equipped with stereo turnover cartridge with diamond LP needle. Size $23 \mathrm{~W} \times 71 / 2 \mathrm{D}$ $\times 131 / 2^{\prime \prime} \mathrm{H}$, For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., 24 lbs.
24 P 03442 W No Money Down*
Net 64.95
24 P 02543 Replacement Diamond Needle for TPS30
Net 2.79
Net 3.80


DELUXE LAFAYETTE 4-SPEED STEREO PHONOGRAPH


Magnificent hi-fi sound reproduction from each detachable speaker. Powerful 10 -watt solid-state stereo amplifier. 4 controls: Loudness, Balance, Bass, Treble. Garrard 4 speed automatic record changer plays all record sizes and speeds-7". $10^{\prime \prime}$ and $12^{\prime \prime}$ records at $16^{2 / 3}$, $331 / 3,45$, and 78 RPM. Automatically shuts off after last record has been played. Stereo turnover cartridge with diamond needle. Simulated walnut and black washable vinyl covered cabinet. Size: $21 / 4 x$ $12 \frac{1}{2} \times 143 / 4$ " For $110-120$ VAC 60 Hz . Shpg. wt., $331 / 3 \mathrm{lbs}$

## Our Best Solid-State Portable Monaural Phonographs

## LAFAYETTE 4-SPEED <br> MANUAL <br> PHONOGRAPH <br> $14^{95} \mathrm{NEW}$

- Attractive Orange and Yellow High Impact Plastic Cabinet With Carrying Handle


Ideal phono for the youngster in your family. Plays up to $12^{\prime \prime}$ monaural and stereo records at $162 / 3.334 / 3,45$ or 78 RPM. A single lever selects any speed. "Feather-light" retractable tone arm is equipped with a single crystal cartridge. Volume control with on-off switch. Built-in 45 RPM record adapter. Fine quality $4^{\prime \prime}$ speaker. For 110-120 Volts, 60 Hz , Size $14^{\prime \prime} \mathrm{W} \times 94 / 2^{\prime \prime} \mathrm{D} \times 4 \mathrm{~L} / 2^{\prime \prime} \mathrm{H}$. Shpg. wt., 5 lbs . 24 P 03632W

Net 14.95

## OELUXE 4.SPEED MANUAL PHONOGRAPH <br> $19^{95}$

- Front Mounted Speaker
- Built-in 45 RPM Adapter
Plays sterea and monaural records of all speeds $1623,331 / 3,45$ and 78 RPM
all sized $12^{\prime \prime}, 10^{\prime \prime}, 7^{\prime \prime} 4^{\prime \prime}$
wide-range speaker is set in tront grill for full-tone sound dispersion. 2 front mounted controls; On/Off Volume and Tone. Tone atm has dual turnover cartridge. Attractive blue washable pyroxin coated fabric with silver metal grill cloth. Size: $131 / 2 \mathrm{~W} \times 61 / 2 \mathrm{H} \times 10^{2 / 810} \mathrm{D}$. For $110-120 \mathrm{VAC}, 60 \mathrm{~Hz}$. Buittin 45 RPM record adapter. 24 P 02899 W Shpg. wit., $7^{1 / 4} \mathrm{lbs}$.

Net 19.95

# NEW! LAFAYETTE SQA-50 4-Channel SQ Decoder/Amplifier 



# $49^{95}$ 

4 Separate Solid-State Amplifiers Deliver 12.Watts Music Power

## Sensational New Exclusive 4-Channel Design from LAFAYETTE

## The SQA-50 Can Be Used 2 Ways:

1.As A Decoder for Converting Low-Power 2-Channel Stereo Phonos, Compacts, Amplifiers and Receivers to Play 4-Channel SQ Records and 4-Channel Discrete Tapes

## 2.

As An SQ and Discrete 4-Channel Amplifier

With our exclusive, exciting new 4-Channel SQ Decoder/Amplifier, any conventional low-power 2-channel phonograph, compact. amplifier or receiver can be converted to play 4-channel SQ records or discrete 4 -channel tapes. And, most imporlant, the SQA. 50 is simple to hook-up-connects easlly to your existing 2 -channel speaker outputs. Your present speakers, plus 2 additional speakers, are connected to the SQA-50's speaker output terminals. As a separate 4 -channel amplifier, the SQA-S0 has 4 Aux. inputs for connecting a discrete 8 -track tape player. The SQA-50 features SQ matrix circuitry for playing the ex-
citing new 4 -channel $\$ 0$ records developed by Columbla. In addition, Lafayette"s exclusive Composer circuitry for deriving 4 -channel sound from 2-channel records, tapes, and FM stereo broadcasts is built-in to the SQA-50. The front panel has 4-channel stereo headphone jacks, concentric front and rear-channel volume controls, and a 3-position selector switch for SQ, Composer, and Discrete. Power Output: Music Power $\pm 1 \mathrm{db} .12$ watts. Size: $81 / \mathrm{GW} 3 \mathrm{~K}_{60} \mathrm{Hx} 81 / 2^{\prime D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpg. wt.. 8 lbs.
99 P 02909 No Money Down $=$

## NEW! 4-Channel SQ Stereo Phono System



Only
$99^{95}$
With 4 Separate Wide Range Speaker Systems

- Built-In SQ Matrix Decoder
- 4 Solid-State Stereo Amplifiers
- Garrard 4-Speed Automatic Stereo Record Changer

Low-powered 4-channel modular solid-state phono system equipped with SQ matrix decoder for playing new 4 channel $\$ Q$ records developed by Columbia. Solid-state control center has 5 IC circuits. Features 3 controls-Front Volume, Rear Volume, and Tone control. Four acoustically matched speaker systems each contain a high-comptiance $4^{\prime \prime}$ wide-range speaker. Garrard automatic record changer is equipped with a Varco CN72 crystal cartridge with diamond LP needle. Plays $12^{\prime \prime}, 10^{\prime \prime}$, and $7^{\prime \prime}$ records at $162 / 3,331 / 3,45$, and 78 RPM. Ebony molded plastic cabinetry with walnut and silver trim. Includes plastic dust cover. Slze-Control Unit: $161 / 2 \mathrm{~W} \times 141 / 4 \mathrm{D} \times$ $7 " \mathrm{H}$ including dust cover. Each Speaker: $71 / 3 \mathrm{~W} \times 10 \mathrm{Hx} 4^{\prime \prime \mathrm{D}}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shog. wt., 24 lbs . 24 P 03624W No Money Down*

## Deluxe Lafayette LSC-55 <br> Solid-State 3-Piece Stereo Modular Hi-Fi Phono System

With Dust Cover

## Each Speaker Enclosure Contains an 8" Wide-Range Speaker

- Deluxe Full Size BSR 4 Speed Automatic Record Changer Features Cueing Lever, and AntiSkating Control
- Front Panel Stereo Headphone Jack
- Aux. inputs Jacks For Plugging-in a Stereo FM Tuner or Tape Player
- Solid-State Stereo Amplifier has 4 Controls - Volume, Balance, Bass, Treble
- Walnut Wood Cabinetry

Our beautiful 3 -piece stereo compact phono system provides superb hi-fi music reproduction at a modest cost. Has many features usually found on higher price component systems. Famous full size BSR 4 . speed record changer with cueing control plays $7^{\prime \prime}, 10$ ", and $12^{\prime \prime}$ records at $1633,331 / 3,45$ and 78 RPM. Tubular tone arm has stereo turnover cartridge with diamond LP needle. System turns off after the last record has been played. Input jacks are provided on the rear panel for plugging in an FM Stereo Tuner or Tape Player. Power. ful solid-state stereo ampllfier has a stereo headphone jack for pri.
vate listening. Acoustically matched pars of $8^{\prime \prime}$ wide-range speakers are housed in walnut wood cabinets. Each Spl. System measures $137 / 8 \mathrm{H} \times 93 / 8 \mathrm{~W} \times 53 / \mathbf{a n}^{\prime \prime} \mathrm{D}$. Size of Control Unit: $163 / 8 \mathrm{D} \times 35 / 6 \mathrm{H} \times 145 / \mathrm{a}^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Comes with plastic dust cover and 45 RPM Spindle. Imported. Shpg. wt., 36 lbs.
24 P 03400wX No Money Down
Net 89.95
Replacement Needle for LSC-55. Shpg, wt., $30 z$. 24 P 02980

Net 2.79


## LAFAYETTE AM/FM Stereo Modular Phono Systems



## Deluxe Lafayette LSC-100B AM/FM Stereo Modular Phono 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 built-in stereo FM/AM radio is fully solid-state and features magnificent ultra-modern styling. The control center's stereo amplifier provides 40 -watts I.P.P. outputand has provisions for tape input and output, guitar mike input, and stereo headphone. Also includes AC convenience outlet on rear panel. Features remote speaker output jack for hooking up an addj tional pair of speakers for another room. Tunes in regular FM \& AM radio and receives full-dimensioned stereo FM broadcasts. Built in AM/FM antennas. Provision for attaching external FM antenna. Calibrated slide rule tuning. AFC switch for drift-free FM reception. Garrard 20254 -speed automatic stereo record changer with cueing lever plays $7^{\prime \prime}, 10^{\prime \prime}$ and $12^{\prime \prime}$ records at $162 / 3^{\prime \prime} 331 / 3,45$, and 78 rpm Operates automatically or manually. Shuts off both changer and

- Each Speaker Contains an 8 " Woofer and $4^{\prime \prime}$ Speaker
- Guitar Microphone Input Jack
- Tape Input and Output Jacks
- Main and Remote Speaker Jacks
amplifier automatically after last record. Features tubular tone arm with Vaco TN-4 stereo turnover cartridge with diamond LP needle. Each 2-way speaker system contains an $8^{\prime \prime}$ woofer and $4^{\prime \prime}$ tweeter for brilliant concert hall realism. You also get a handsome tinted plastic dust cover for the compete control unit, speaker hook-up cable and a 45 rpm spindle. The components are mounted in beautiful walnut vinyl veneer covered wood cabinets. Size: Control unit $235 / 8 \mathrm{~W} \times 14 \mathrm{D}$ $x 103 / 8{ }^{\prime \prime} \mathrm{H}$ (with dust cover). Includes tinted plastic dust cover and 45 RPM spindle. Speaker Encl.: $15 \frac{5}{6} / 8 \mathrm{H} \times 101 / \mathrm{gW} \times 45 / 8{ }^{\circ} \mathrm{D}$. For $110-120$ VAC, 60 Hz . Shpr. wt., 45 lbs . 24 P 03251WX No Money Down*

Net 139.95
24 P 03202 Replacement needle for LSC-100B
Net
2.79

Diamond
Needle

## Lafayette LSC-95 3-Piece AM/FM Stereo Hi-Fi Phono System

- FM Stereo Indicator Light
- 2 Wide Range 4" Acoustically Matched Speaker Systems
- Famous BSR 4-Speed Automatic "Mini" Record Changer
- Front Panel Stereo Headphone Jack
$79^{95}$
With Plastic Oust Cover

Highly styled compact AM/FM Stereo music system at a low, low Lafayette Price. BSR "mini"' stereo record changer plays 12 ", $10^{\prime \prime}$, \& 7 " records at $162 / 3,331 / 3,45$, and 78 RPM. Features precisionbalanced 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, selector (Phono, FM, AM), Tuning. AM/FM Stereo Radio has slide-rule tuning
dial, FM Stereo Indicator Light, and built-in AM \& FM antenna. Black leatherette and walnut grained plastic cabinetry. Size Control unit $163 / 4$ W $\times 97 / 8 \mathrm{D} \times 61 / 2^{\prime \prime} \mathrm{H}$. Each speaker $73 / 8 \mathrm{~W} \times 91 / 2 L \times 4^{\prime \prime} \mathrm{D}$. For 117 VAC 60 Hz. With tinted plastic dust cover. Imported. Shpg, wt., 14 lbs. 24 P 03616W No Money Down*

Net 79.95 24 P 02386 Replacement Needle. Wt., 3 oz. 24 P 0256845 RPN Spindle. Wt., 3 oz.

Net 2.79
Net 1.49

# Our Best AMIFM Stereo 8-Track Modular Phono Systems 



## Deluxe Lafayette LSC-9000 Solid-State AM/FM 8-Track Stereo Phono System

## - Power Output-100 Watts Music Power

- Stereo Headphone and Remote Speaker Outputs
- Individual Illuminated Track Indicator Lights
- FM Stereo Indicator Light and Tuning Meter

- Slide Lever Controls for Balance, Bass, Treble and Volume
- Garrard 2025 4Speed Automatic Record Changer with Cueing - Tape inputs and Outputs

The ultimate In a 3 -piece modular stereo phono system. Consists of a handsome Control Center containing a powerful solid-state 100 -watt, AM/FM stereo Tuner/Amplifier, a famous Garrard 4 -speed Automatic stereo record changer, a deluxe 8.Track Stereo Cartridge Player, and two separate, perfectly balanced, fult-range 2 -speaker Acoustic Suspension systems. Specifications: Garrard changer: 4 -speeds- $162 / 3$, $331 / 3,45,78 \mathrm{rpm}$. 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 guitar mike input jack. Tape input and output jacks; AC convenience outlet. Each Acoustic Suspension Speaker System contains an $8^{\prime \prime}$ woofer, a $31 / 3^{\prime \prime}$ tweeter and a cellular horn dispersion duct. Beautiful walnut vinyl wood cabinetry. Includes Plastic Dust Cover and 45 rpm spindle. Size: Control Center$231 / 2 \mathrm{~W} \times 93 / 4 \mathrm{H} \times 15^{\prime \prime} \mathrm{D}$. Ea. Speaker System- $147 / \mathrm{H} \times 111 / 4 \mathrm{~W} \times 6 \%{ }^{\prime \prime} \mathrm{D}$. For $110-120$ VAC, 60 Hz . Shpg. wt., 63 lbs .

24 P 03475WX No Money Down* ............................... 239.95
24 P 03202 Replacement needle for LSC- 9000

Net 2.79

## NEW

With Plastic Dust Cover


Solid-State AM/FM Stereo 8-Track Phono System

- BSR 4-Speed Automatic Record Changer
- Powerful Solid-State Amplifier with Separate Volume, Tone and Balance Slide Controls

Enjoy 8-track stereo tape cartridges, stereo records, and AM/FM stereo broadcasts from this "Iuxurious-low price" 3-piece phono system. The powerful solid-state AM/FM stereo tuner-amplifier features a black-out tuning dial, FM Stereo Indicator Light and front panel stereo headphone jack. Built-in 8 -track stereo tape cartridge player has separate channel indicator lights. Full-size BSR 4-5peed automatic record changer plays $12^{\prime \prime}, 10^{\prime \prime}$, and $7^{\prime \prime}$ records at $162 / 3$, $331 / 3,45$ and 78 RPM , and has a fubular tone arm equipped with ceramic stereo turnover cartridge with diamond LP stylus. AC con-

- Each Air Suspension Speaker System Contains an $8^{\prime \prime}$ Woofer, $2^{\prime \prime}$ Tweeter, and a Cellular Horn-Type Duct
- 8.Track Stereo Cartridge Player has Individual Channel Lights and Pushbutton Track Selector
venience outlet, tape output jacks, and guitar input jack are provided on the rear of the unit. Bulltin AM and FM antennas. Provision for external antenna. Handsome walnut wood cabinetry. Size: Control Unit-17\%/6W $\times 14 \mathrm{~K}_{6} \mathrm{D} \times 5^{\prime \prime} \mathrm{H}$. 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 $117 \forall A C, 60 \mathrm{~Hz}$. Imported. Shpg. wt., 50 lbs. 24 P 03608Wx No Money Down*
Replacement Diamond Needle for Above.
24 P 02980



$$
\begin{aligned}
& \begin{array}{l}
\text { rear panel for connecting a record changer (ceramic cartridge) and a } \\
\text { reel-to-reel or cassette tape player. You can also hook up a tape } \\
\text { recorder to the tape output jacks. The rear panel also contains an }
\end{array} \\
& \text { recorder to the tape output jacks. The rear panel also contains a }
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\text { comes with } 8 \mathrm{ft} \text {. of hook-up cable and connectors and measures } \\
93 / 4 \mathrm{H} \times-7 \% / \mathrm{sW} \times 4 \mathrm{~L} / \mathrm{m}^{\prime \prime} \mathrm{D} \text {. Builf-in AM and FM antennas. For } 117 \text { VAC, }
\end{array} \\
& 99 \text { P 02891w.................................................................Net } 99.95
\end{aligned}
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$+\frac{2}{6}$
$+\frac{2}{0}$ channel stereo receiver consisting of an AM/FM Stereo Tuner, a
 separate speakers in handsome wainut wood enclosures. Advanced
4 -channei circuitry makes recorded sound more natural and realistic
 The middle of a folk or rock session with your favorite singer or
group. The 4 channels of sound are reproduced through 4 separate




$$
\text { SQ broadcasts on FM or to play the new SQ } 4 \text {-channel records de. }
$$

## See Page 23 for Full Details on Easy Pay Plan

## 4-CHANNEL STEREO AT A PRICE YOU CAN AFFORD!

## NEW! LAFAYETTE SQR-40 4-CHANNEL AM/FM 8-Track Modular System



LAFAYETTE RADIO ELECTRONICS

BULK RATE U.S. Postoge

PAID
I AFAYETTE Radia Electranics

## LAFAYETTE Telsat SSB-50 Mobile Two-Way Radio



## 23 Crystal Controlled AM Channels ... Plus 46 Crystal Controlled Single Sideband Channels (Upper plus Lower Sidebands)

## Compatible with all AM, DSB, and SSB CB Transceivers! ouc $289^{95}$

$\star 15$ Watts P-E-P 'SSB Input Power

$\star$ Crystal Lattice Filter

- Suppressed Carrier on Sideband for Greater Talk Power
- "Range-Boost" and Automatic Modulation Control
- Dual 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

In addition to the deluxe features that result in exceptional conventional 23 channel crystai-controlled AM transmission and reception, the Telsat SSB-50 incorporates 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 output and range! The transmitter also features internal RANGE-BOOST circuitry and adjustable antenna loading for maximum RF output as well as an adjustable TVI filter for minimum TV interference. In addition to the 23 ble TVI filter for minimum IV interference. in add superheterodyne crystal controlled AM channels, the dual conversion superheterodyne
receiver recelves 46 frequency modes on singie sideband ( 23 on upper and 23 on lower sidebands) and features a crystal lattice filter that provides excellent signal-to-noise ratio and selectivity resulting in far greater usable sensitivity while rejecting adjacent channel

- See Page 23 for Full Details on Easy Pay Plan
- Automatic Burglar Alarm Switch
- Multi-Stage RF Noise Silencer Circuitry plus Variable Squelch
- Large Illuminated Front-Panel "S"/PRF Meter
- Built-in PA Facilities
- Input Jack for Tuner, Record Player, Tape Player. Etc.
- External Speaker/Headphone Jack
- Built-in 12.6 VDC Power Supply
interference. The receiver also features a built-in product detector for superior reception of SSB transmissions, continuously variable fine tuning to clarify reception of SSB transmissions and to improve reception of AM stations, as well as unique multi-stage RF noise silencing circuitry to minimize ignition-type noise interference. Its small size makes it ideal for mobile operation in cars, boats, tractors, trucks, etc. The Telsat SSB-50 also includes output jacks for external speaker or headphone, tape recorder, and PA remote speaker; and input jack for tuner, record player, tape player, etc. Supplied complete with Push-to-Talk' Dynamic Microphone, DC Power Cable, Mobile Mounting Bracket, and FCC License Form 505. Operates mobile on 12.6 VDC. Negative and Positive Ground. Size: $71 / 16 \mathrm{~W} \times 2 / 6 \mathrm{H} \times 91 \%_{1}{ }^{\prime \mathrm{D}} \mathrm{D}$. Imparted. Shpg. wt., $121 / 4 \mathrm{lbs}$.
99 P 32666w No Money Down*
Net 289.95
Model PS-50 AC Power Supply for Telsat SSB-50. Matching 117 Volt AC power supply that permits base station operation of Telsat SSB-50. 99 P 32682 Shpg. wt., $71 / 2 \mathrm{lbs}$. No Money Down* Net. 34.95


## The World's Smallest 23-Channel 5 -Watt 2 -Way Ratio



## LAFAYETTE MICRO 23

# ONLY <br> $109{ }^{55}$ 




FOR FARM TRACTORS...

Mobile: For Car, Truck, Trailer, Boat, Plane.

Portable: For Hunting, Cycling, Sports, etc. With Optional Pack.

Base Station: For Home and Office with Optional AC Power Supply.

* Sensitive Dual Conversion Receiver. * Powerful 5-Watt Range Boost Transmitter.
* Miniature Size . . Only $5 W \times 13 / 4 \mathrm{H} \times 71 / 2^{\prime \prime} \mathrm{D}$.

Lafayette, long-standing CB leader, brings you the exciting featurepacked, miniature Micro-23, 23 channel crystal controlled CB trans. ceiver with all crystals supplied at a sensational low price. Meticulously engineered and built for extra rellable periormance, its compactness and size make it ideal for mobile and portable as well as for base station communications. This highly dependable solidstate ultra compact synthesis CB transceiver has excellent sensitivlty superior automatic gain control and low-current drain. Channel selection is achieved through activation of a single convenient channel selector switch. The Micro-23 features a transmitter that provides full 5 watt legal limit input, "Range-Boost" circuitry for greater average modulation and transmitting range, and a TVI network for minimum TV interference. Its outstanding dual conversion receiver with RF stage features $0.7 \mu \mathrm{~V}$ sensitivity, variable squelch and automatic noise limiting, efficient push-pull audio amplifier, and a carefully tuned 455 kHz mechanical filter for razor sharp slectivity with excellent adjacent channel rejection. Its sealed transmit-receive plugin relay assures highly dependable long-lasting trouble free opera-

- Operates on 12 Volts DC Negative or Positive
Ground
- 117 VAC and Portable with Optional Packs
tion. Its unique miniature size makes it compatible for mounting practically anywhere and is small enough to fit into most car glove compartments. Complete with dynamic push-to-talk microphone with colled cord, DC power cable, mobite mounting bracket. all crystals and FCC form 505 . Size: $5 \mathrm{Wx} 13 / 4 \mathrm{Hx} 71 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., $414 / 4 \mathrm{lbs}$. 99 P 32575 W No Money Down* ..........................Net 109.95
HB-512 AC Power Supply. Permits 117 VAC operation of Micro 23 and charges optional Nicad batteries used in HB-509A. Shpg. wt, $43 / 4$ ths. 99 P 32278

Net 19.95
HB-509A Portable Battery Pack. Attaches to Micro-23 for conversion to portable operation. Less batteries.
99 P 32260 Shpg. wt., 3 Jbs. 5 oz.
Net 23.50
Alkaline Battery for HB-509A (8 req.)
99 P 63802 Shpg. wt., ea., 3 oz.
Net ea.
.52
Alternate Nicad Battery for HB-509A (10 req.)
32 P 48887 Shpg. wt.. 5 oz .
Net ea.
3.90

## The World's Smallest 5-Watt 12-Channel Two Way Radio!



- 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 miniature trail blazer embodies exceptional versatility and flexibility. Designed and built for extra rellable performance, its compactness and size make it ldeal for mobile and portable communications. In addition to the outstanding features listed above, the Mlero-12 includes a 3 -stage transmit circuit with up to $\mathbf{1 0 0 \%}$ modulation capability, 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 dlode voltage regulation, very low current drain that permits continuous mobile operation-even with the motor off, a TVI trap for minlmizing TV interference, an illuminated channel indicator dial, and an $8-16 \mathrm{ohm}$ external earphone/speaker iack for private or remote listening. Supplied complete with push-to.talk dynamic microphone with retractile cord, "quick-release" moblle mounting bracket, channel 10 crystals, DC power lead, and FCC Form 505. Size: $5 \mathrm{~W} \times 13 / 4 \mathrm{H} \times 71 / 2^{\prime \prime} \mathrm{D}$.
99 P 31957 W shpg. wt., $41 / 2 \mathrm{lbs}$.
.. Net 89.95
46 P $15 \dagger$ Extra Transmit Crystal (speclfy channel) ...........Net ea. 2.25
46 P $10^{+}$Extra Receive Crystal (specify channel) …...... 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: $1 \frac{13}{4} \mathrm{H} \times 5 \mathrm{~W} \times 7!\dddot{y}^{\prime \prime} \mathrm{D}$

Micr 0-12 Modified for 26.620 MHz . C.A.P.
99 P 32310 WXY No Money Down*
..Net 99.95
Micro-12 Modified for 27.575 plus 27.585 MHz . U.S. Gov't.
99 P $32328 W X Y$ No Money Down*
Net 109.95 Micro-12 Modified for 27.980 MHz .(Coast Guard Auxiliary). 99 P 32393WXY No Money Down*

Net 99.95 HB-509A Portable Battery Pack. Attaches to Miero-12 for conversion to portable operation. Supplied with telescoping whip antenna, battery condition meter, microphone clip and shoulder strap.
99 P 32260 Less Batteries. Shpg. wt., 3 lbs. 5 02. ....Net 23.50 Alkaline Battery for HB-509A (8 req.)
99 P 63802 Shpg. wt., 3 oz, .................................Net ea.
.52
Alternate Nicad Battery for MB-509A ( 10 req.) 32 P488B7 Shpg, wt., 5 oz. $\qquad$ .Net ea. 3.90 HB-512 AC Power Supply. Permits 117 VAC operatlon of Micro-12 and charges optional nicad bateries used in MB-509A. Shpg. wt., $43 / 4 \mathrm{lbs}$. 99 P 32278 tsee Page 443 for "How to Order Crystals."


# Another LAFAYETTE 2-Way Radio Exclusive! 

## 2 More Channels With Each Added Plug-In Crysta!!



* Full 5-Watt Maximum Input Power
- Dual Conversion Superheterodyne Receiver
* Full 23-Channel Crystal Control Capability
* "Range Boost" for Greater Range
* Burglar Alarm Switch

Solid-state ultra compact synthesis CB transceiver features superior automatic gain control and sensitivity, greatly increased dependabil. ity, and lower current drain. Synthesis type frequency control section permits economical addition of 2 channels with each additional plugin crystal. Carefully tuned 455 kHz mechanical IF filter assures razor sharp selectivity with excellent adjacent channel rejection. Dual conversion receiver with RF stage, features $0.7 \mu \mathrm{~V}$ sensitivity, automatic noise limiting, variable squelch, and push-pull audio amplifier. Transmitter provides full 5 watt legal Ilmit input and "Range Boost" circuitry for greater average modulation and transmitting range. Ifluminated 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 burgiar 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: $6 \mathrm{~W} \times 8 \mathrm{D} \times 2^{* 1} \mathrm{H}$. Imported. Shpg. Wt., $61 / 4 \mathrm{lbs}$. 99 P 32351 WX No Money Down*
................................Net 99.95

- 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 If Filter
- Variable Squelch Plus Automatic Noise Limiting
- Large 5x3 inch Speaker for Superior Audio
- With RF Overload Protection (Pat. Pend.)

Package of 10 Plug-In Crystals. Converts HB-23A to full $\mathbf{2 3}$-channel operation.
99 P 31742 Shpg. wt., 1 lb. 2 oz, ...............................Net 19.95
HB-502B Solid State 117 VAC Power Supply/Charger, Enables operation of HB-23A as a table top 117 VAC base station, also charges nickel cadmium batteries used in the HB-507.
99 P 32088 W $\qquad$ Net123.50
Model HB-507 Portable Battery Pack. Adapts HB-23A for convenient portable operation with shoulder strap. Less "C" Datteries.
99 P 31551 Shpg. wt., 31/4 JDS. ....................................Net 21.95
"C" Alkaline Battery for HB-507 (8 req.)
99 P 63802 Shpg. wt., ea, 5 oz. ..
Net ea.
.52
Alternate Nickel Cadmium Battery. Shpg. wt., ea. 5 oz. ( 10 req.) 32 P 48887
3.90


# LAFA Y ATE Model HE-20T 5-Watt Solid-State Citizen Band 2-Way Radio 



## For Base Station and Mobile Operation

- 12-Channel Crystal Controlled Transmit and Receive
- 23-Channel Tuneable Receive
- 455 kHz Mechanical Filter
- Priva-Com Private Tone Caller Socket
- "Range Boost" for Extra Talk Power
- Also a PA Amplifier When Used with Optional External Speaker

- For 117 VAC Base Station and for 12 VDC (Negative or Positive) Mobile Operation
- TVI Trap
- Spotting Switch for Accurate Reception
- With RF Overload Protection (Pat. Pend.)

Newest addition to the popular HE-20 series of CB transceivers. This 13 transistor, 10 diode Solid State transceiver is ideal for flxed and moblte communications. Solid-state circuitry features low battery drain and provides instant operation; full 5 -watt transmitter input with efficient push-pull audio modulator plus 'Range Boost' for greater talk power, and an extra-sensitive superheterodyne receiver with sensitivity of $.7 \mu \vee$ for 10 db signal-to noise ratio. Fine selectivity and adjacent channel rejection is obtained through a 455 kHz mechanical filter. Recelver also incorporates automatic floating series-gate noise limiter and variable squelch control resulting in virtually no background noise between calls. Other features: dustfree transmit/receive 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 $4^{m}$ speaker. Also features Priva-Com private tone caller socket. Complete with fused DC line cord for negative ground battery, push-to-talk mike and set of crystals for channel 9 . Includes

FCC license application form 505 . Size $81 / 4 W \times 4 \% / 6 \mathrm{Hx} 11 \% /{ }^{\circ \prime} \mathrm{D}$. Imported. Shpg. wt., 15 lbs.
99 P 30884w No Money Down*
.......Nel105. 95

## OPTIONAL ACCESSORIES

99 P 31064 Positive gnd. fused 12 VOC cord. Wt., 4 oz. Net 1.75 46 P 65 Extra transmit crystal (specify channel)t ..........Net 2.25 46 P 10 Extra receive crystal (specify channel) $\dagger$........Net 2.25 HE-20T Modified for 26.62 MHz (C.A.P.) operation 99 P 31023 WXY $\qquad$
HE-20T Modified for 27.575 MHz (U.S. Gov't)pperation 99 P 31031 WXY ..................................................................... HE-20T for 27.575 plus 27.585 MHz (U.S. Gov't) operation 99 P 32365WXY $\qquad$ ....................Net 125.95 tSee Page 443 for "How To Order Crystals."

Base Systems


SAVE $\$ 6.60$
From Individual Catalog Prices 121.95

No Money Down*

> Model HE-2OT ECONOMY 2-WAY RADIO SYSTEMS


## SAVE $\$ 5.90$ <br> From Individual <br> \section*{Mobite Systems}

 Catalog Prices111.95

No. Money Down*


Consists of: Lafayette Model HE-20T 23 channel tuneable plus 12 channel crystal-controlled base and mobile solid-state CB transceiver; heavy duty Ground Plane Antenna; 50 ' RG-8/U low loss cable assy. 42 P 91639 WXM Wt., $241 / 2$ lbs. Net 121.95 Same system as above except with "Range Boost II" deluxe $1 / 2$ wave end-fed antenna. 42 P 91647 WXMWt., 26 lbs.... Net 128.95

Consists of: Lafayette HE-20T 23 channel funeable plus 12 channel crystal-controlled Dase and mobile solid-state CB tranceiver; stainless steel Body Mount Antenna; and $0^{\circ}$ RG-58/U coaxial cable assembly.
42 P 91654WXM Wt., 203/4 lbs. Net 111.95 same system as above except with bumper mount instead of body mount antenna.
42 P 91662 WXM Wt., $20 \frac{13}{4}$ Ibs. Net 113.95

# A 23-Channel Grystal Control CB3 2-Way Radio PLUS 

An Emeryency Channel 9 Monitor Receiver!

FCC Type
Accepted
D.O.C. Approved

## Blinks The Emergency Monifor . . . You Switch To CB Emergency Channel 9 T० HFLP SOMEONE IN DISTRESS!

## LAFAYETTE TELSAT-924

- Dual Conversion 23-Channel Receiver
- Single Conversion Channel 9 Monitor Receiver
-. $7 \mu \vee$ Main Receiver Sensitivity
- 3-Position Crystal Deita Fine Tuning
- Individual Variable Squelch for Each Receiver
- Public Address Facilities
- R.F. Overload Protective Circuitry

- 455 kHz Mechanical Filter
- "Range Boost" for Greater Effective Range
- Built-in 115 Volt AC and 12 Volt DC Power Supplies for Base Station and Mobile Operation
- Illuminated "S"/PRF Meter
- Tape Record Output
- Adjustable TVI Trap
- Phone Jack for Private Listening


## Crystals Supplied for All 23 CB Channels!

For Base Station and Mobite Operation

A true milestone in the finest tradition of Citizens. Band applications, the Lafayette Telsat-924 features a separate receiver for monitoring Emergency Channel 9 and a superb 23 channel crystal control synthesis type transmit and receive CB two-way radio in one attractively designed compact unit. When a channel 9 Emergency transmission is received, the emergency monitor light blinks without Interfering with regular communications. Actlvate the Normal/ Monitor pushbutton switch to the Monitor position and listen to the message. You can immediately try to summon heip via phone, efc. If 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, adjustable 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 $\mathrm{db} \mathrm{S} / \mathrm{N}$, image rejection of $42 \mathrm{db}, \pm 1.5 \mathrm{kHz}$ crystal delta fine tuning for hearing "off channel" stations. individual variable squelch plus noise limiting, a 455 kHz mechanical fifter for excellent selectivity, and R.F. overload protection. The channel 9 emergency monitor receiver features individual variable squelch, and a visual recelve 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 " $\$$ " units on receive and relative power output on transmit. Supplied complete with dynamic push-to-talk microphone, mobile mounting bracket. DC cable for negative ground vehicles, and FCC license application Form 505. For 115 VAC and 12 VOC operation. Size: $41 / \mathrm{dH}$ $\mathrm{x} 1113 / 1, W \times 8$ "D. Imported. Shpg. wt., $131 / 4$ lbs.
99 P $32435 W$
..Net 159.95
DC Cable for positive ground vehicles. Shpg. wt., 4 oz.
99 P 31064
Net

## LafAYerit HB-525F Solii-State Modile CB 2-Wy Radio

 23 CRYSTAL CONTROLLED CB CHANNELS . . All CB Crystals Supplied!FCC Type
Accepted
D.O.C. Approved
ONLY $23 / 3$ " HIGH
LAFAYETTE NE-8ES

-3, 事

## The CB Mobile Favorite!

- Dual Conversion for High Selectivity
- Variable Squelch Plus Series Gate Automatic Noise Limiting
- Pi-Network for Optimum RF Output
- Mechanical 455 kHz Filter
- Large Automatic S/Prf Illuminated Meter
- Advanced RF Overload Protection (Pat. Pend.)
- 3-Position Crystal Delta Tune
- Transmit and Receive Indicator Lights
- Advanced AGC for Outstanding Audio
- Range Boost™ Circuitry for Added Talk Power
- P.A. Amplifier When Used with Optional External Speaker
- 12 Volt DC Operation (Neg. or Pos. Ground)
- 117 VAC Operation with Optional AC Supply

Lafayette's most advanced model of the famous HB-525 series of CB transceivers. With all the great features including large illuminated automatic S/Prf meter, receive indicator light and simulated leather front panel. Crystal controlled synthesizer provldes 23 channel transmit and receive operation ... all crystals supplied. Dual conversion receiver incorporates 455 kHz mechanical fliter plus revised IF stage for high selectivity, superior adjacent channel rejection. and exceptional Automatic Gain Control and audlo characteristics. Variable squelch quiets receiver when no signal Is being received. 3-position crystal delta tune permits easy copy of off-frequency stations. Powerful 5 watt transmitter features range boost modulation circuit for greater effective range. Large illuminated automatic S/Prf meter indicates signal strength on receive and RF output on transmit. Full public address provisions include audio input jack for tape recorder, tuner, etc. Also features indicator lights for transmit and recelve modes. Supplied with PTT dynamic mlke, mobile mounting bracket. DC cable, and FCC license Form 505. Size: $23 / 8 \times 61 / 4 \times 8^{\prime \prime} D$. Imported, 99 P 32492W Shpg. wt., 7 Ibs. ........................................... 159.95

## MODEL HB-502B AC POWER SUPPLY/CHARGER

For 117 VAC base station operation of HB-525F; also charges HB-506A Nicad batteries. Shpg. wt., $41 / 2$ lbs.
99 P 32088W
Net 23.50
MODEL HB-506A PORTABLE DC POWER PACK
Attaches to HB-525F for convenient portable operation. Shpg. wt.,
$31 / 2$ lbs.
99 P 32336 Less Batteries ....................................................... 23.50

## ...15995

No Money Down*

"C" Long Life Dry Cell (8 req.) for HB-506A. Shpg. wt., 4 oz. 99 P 63687 ...............................................Net ea, .25; 10 for 2.10 "C" Alkaline, Alternate HB-506A Battery (8 rea.) 99 P 63802 Shpg. Wt., 4 oz. ..................... "C" Nicad, Alternate HB.506A Battery (10 req.)
32 P 48887 Shpg. wt., 502 $\qquad$ Net ea. 3.90

# LAFAYETTE Comstat 25B 23-Channel Crystal Control Two-Way Radio 



CB's Best Selling Tube-Type Transceiver!
Crystals Supplied for All 23 CB Channels!

No Money Down*


- With Standby Switch for Low Current Instantaneous Operation
- Built-in 117 VAC, 12 VDC Solid-State Power Supplies for Base and Mobile Operation
- Dual Conversion Receiver Features $8 / 10 \mu V$ Sensitivity
- Range Boost Circuitry for Added Talk Power
- Pi Network and Low Pass Filter for Maximum Power Output
- Vari-tilt Mounting Bracket
- 11 Tubes, 2 Transistors and 11 Diodes

The pace-setting Lafayette Comstat 25B, with its high performance circuitry for excellent mobile and base station operation, features a handsome mid-night-black and contrasting brushed aluminum front panel with complementary multi-colored illuminated "S.PRF" meter and attractive control knobs. A 2.5 kHz total spread fine tuning vernier facilitates accurate reception. Highly selective circuits greatly suppress adjacent channel interference ( -45 db ). Variable squelch quiets receiver between calls. Crystal frequency synthesizer enables operation on all 23 CB channels with crystals supplied. No extra crystals are necessary! Built-in dual purpose power supply allows 12 VDC mobile and $115 \cdot$ VAC base station operation. Front panel switch converts transceiver to a handy 4.5 watt public address amplifier. A convenient front panel jack for headphones or external extension speakers for CB/PA is provided. Comstat 258 also features push-to-talk relay switching and plug-in ceramic microphone with coiled cord. Complete with varitilt mounting bracket which facilitates both easy mounting and optimum positioning of set as well as serving as an adjustable table top base. With FCC License Application Form 505. Size $12 \mathrm{~W} \times 81 / 2 \mathrm{D} \times 5^{11} \mathrm{H}$. Imported. Shpg. wt., $191 / 2 \mathrm{lbs}$. 99 P 32146 W

Net 169.95

## LAFAYETTE HB-600 Business and CB Solid State Two-Way Radio



# 23 Crystal Controlled CB Channels . . . AII CB Crystals Supplied PLUS Choice From 5 Business Band Frequencies ${ }^{\dagger}$ 

- 5 Stage RF Ignition Noise Silencer!
- Ultra-Stable Circuit Uses A Separate Crystal for Each Trans-mit-Receive Channel . . . All CB Crystals Supplied!
- $0.5 \mu \vee$ Dual Conversion Receiver with 3-Position Crystal "Delta" Fine Tuning
- Mechanical Filter for Superior Selectivity and Adjacent Channel Rejection
- "Range Boost" for Greater "Talk-Power" and Range
- Draws 1 Amp. Max. on Full Transmit
- RF Overload Protective Circuitry

The "CB Commander" offers every feature you'll ever want in a 2.way CB radio-PLUS provision for Business Band $\dagger$ operation! You get 23 crystal-controlled CB channels plus 2 extra Business Band channel positions-lets you choose from 5 Business Bandt frequencies$27.235,27.245,27.255,27.265$, or 27.275 MHz . Range Boost circuit increases average modulation and lets your voice cut through noise to reach further! A dual conversion receiver provides high sensitivity -puils in even the weak signals! A unique 5 -stage RFignition Noise Silencer (Pat. Pend.) provides excellent ignition noise reduction, literally "chops out" ignition noise-even really weak signals become perfectly intelligible under severe ignition noise conditionsyou learn what quiet operation really means! Other top features in-

- Built-In 117 Volt AC and 12 Volt DC Power Supply for Base and Mobile Operation
- Noise Limiter Provides Choice of Audio Noise Limiter or Audio Noise Limiter Plus RF Noise Silencer
- Plug-in Dependable Sealed Relay Switching
- Pi-Network Output with Low Pass Filter
- Operates As a PA Amplifier with Optional PA Speaker
- Plug-in Facilities for Lafayette Selective Call Unit
- Phone Jack for Headphones or External Speaker
clude a mechanical filter for razor-sharp selectivity, Delta tuning, Variable Squelch, effective Automatic Noise Limiter, Push-Pull audio, plus provision for Public Address operation with optional external speaker. Built-in solld-state AC and DC power supply permits low drain operation on 117V AC or 12 V DC (Neg. or Pos. Gnd.). Supplied with push-to-talk dynamic microphone with coiled cord and bracket, AC and DC power cables, "quick-release" mobile mounting bracket and hardware. Dimensions: 4\%"" high, 111\%" wide, 8" deep. Shpg. wt., 15 lbs.. 4 oz . Imported. With all CB crystals; Less Business Radio crystals.

99 P 30710W

BUSINESS BAND CRYSTALS $\dagger$ (OPTIONAL)
The same crystal has both transmit and receive functions. Only one crystal required for each frequency listed.

| 42 P 42558 | 27 | Ne | 42 P 42582 | 27.265 MHz | Net 3.95 <br> Net 3.95 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 42 P 42566 | 27.245 MHz | Net 3.95 | 42 P 42590 | 27.275 MHz |  |
| 42 P 42574 | 27.255 MHz | Net 3.95 |  |  |  |
| †FCC Type Accepted Part 91 (Business Radio)-Canadian D.0.C. Approved (Spec S-136) Separate Licenses Required for CB and Business Radio |  |  |  |  |  |

## LAFAYETTE Deluxe HB-625A Solid-State Mobile 2.Way Ratio

23.Crystal Controlled CB Channels . . .ALL CRYSTALS SUPPLIEO!


## $199^{93}$ <br> FCC Type Accepted

## 

-12-Volt Mobile DC Operation; Portable and 117 Volt AC Operation with Optional Power Supplies

- Selective Dual Conversion Superhet Receiver
- 3-Position Delta Tune for Accurate Tuning

The HB-625A incorporates a highly selective 455 kHz mechanical filter to virtually eliminate adjacent channel splatter. It utilizes a muttistage RF noise silencer to keep ignition nose interference from getting into the receiver's audio without cutting the incoming signal strength. Range Boost audio system uses revolutionary new if microcircuits for increased effective talk power. Variable squelch and standard ANL combine with noise silencer to provide quiet, pleasurable reception. Other quality features include bullt-In public address amplifier facilities with rear panel jack for hi-fi tuner or tape recorder input. Operates instantaneously from 12 -volts DC positive or negative ground with low battery drain or on 117 volts AC with optlonal power supply. Supplied with mounting bracket, power cord, PTT dynamic

- Mechanical Filter for Superior Selectivity
- Front Panel Jransmit Mode Indicator Light
- Range Boost™ Circuit!y for Added Talk Power
- Built-in Public Address Amplifier Facilities
- With RF Overload Protection
microphone with coiled cord, and FCC Form 505 CB License Application. Size: $233 \mathrm{kH} \times 51 / 4 \mathrm{~N} \times 8^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., $7 \mathrm{Ibs} ., 802$. 99 P 32468W No Money Down Net 199.95 Model HB-502B AC Power Supply for base station operation and Nicat Battery Charger.
99 P 32088 W Shpg. Wt., $41 / 2$ Ibs.
Net 23.50
Model HB-506A Portable DC Power Pack. Attaches to HB-625A to permit portable DC operation. Includes battery pack (less batterles), telescoping antenna, and shoulder strap. Shpg. wi., $31 / 2 \mathrm{lbs}$. 99 P 32336W

Net 23.50 Batteries for HB-506A Portable Pack. "C" Alkaline ( 8 required). 99 P 63802 Shpg. wt., 4 oz. ea. ...............................Net ea.

Super quiet RF Noise Silencer utilizes a revolutionary integrated circuit. Unlike other simple ignition noise reducing circuits which operate in the audio stage to merely limit the noise, the RF noise silencer employs a receiver circuit to actually silence the receiver for the brief duration of each noise impulse-eliminates it before it even reaches the audio stages! You get spectacular reduction of ignition noise without distortion, audible holes or volume reduction. Just listen and you'll know what really quiet reception is?



## LAFAYETTE DYNA-COM 23

## 23 Channel Crystal Control

 5 Watt Walkie-Talkie
## ALL CRYSTALS SUPPLIED!

## 5 WATTS Portable Power

 23 CHANNELS convirolled> For Public and Personal Safety, Industry, Farm, Marine, Sports, etc.

$\star$ Unique Crystal Synthesis Circuitry For Dependable 23 Switchable Crystal Controlled Channels
$\star 5$ Watts FCC Maximum Permitted Input Power-In the Palm of Your Hand!

* Dual Conversion Superheterodyne Receiver with RF Stage for $0.7 \mu \mathrm{~V}$ Sensitivity
* External Microphone/Speaker Jack
$\star$ Automatic Compression Range Boost for more Average Talk Power and Greater Range
- Operate Mobile with Optional Adapter Cable
- Public Address External Speaker Jack with PA Switch
- 455 kHz Mechanical Filter for Razor-Sharp Selectivity and Adjacent Channel Rejection
- Variable Squelch plus Automatic Noise Limiter
- Battery Condition and Automatic Relative RF Power Indl. cator/'S" Meter
- External Antenna Jack for Base Station and Mobile Antennas
- Input Jacks for External Battery Source, Mobile Battery and Battery Charger/Eliminator
- Push-Pull Audio Modulator Circuit
- TVI Trap To Minimize TV Interference

The ultimate in walkie-talkie design and performance, the Dyna-Com 23 features ingenious dependable synthesis circuitry resulting in 23 crystal controlled transmit and receive channels with all crystals supplied; 5 watts FCC maximum allowable input power; and an attractive professionally designed sturdy lightweight housing for unexcelled versatility. In addition, its 455 kHz mechanical filter assures razor-sharp selectivity with excellent adjacent channel rejection. Its dual conversion receiver features excellent sensitivity, RF overload protection in the RF stage, automatic noise limiting, variable squelch and push-pull audio amplification. The transmitter of this hand-held portable powerhouse provides full 5 -watt legal limit input and "Range Boost", circuitry for greater average talk power and transmitting range. The Dyna-Com 23 operates on 12 Nickel Cadmium rechargeable batteries or 10 alkaline or dry ceil batteries and may also be connected to your auto, boat, truck, or tractor 12 -volt battery and to an external antenna for efficient 23 channel mobile communications. It can also be used on 110 volt 60 Hz . AC with the optlonal battery eliminator/charger, and with a base station antenna for reliable 23 channel base station communications. One of the unique features of the Dyna-Com 23 is the external microphone/speaker jack which permits use of the optional plug-in microphone/speaker while the Dyna-Com 23 is either shoulder carried or belt carried with the optional leather carrying case. Includes shoulder carrying strap and FCC license application Form 505. Size: $94 / 2 \mathrm{H} \times 31 / 4 \mathrm{~W} \times 2 \mathrm{~K}_{4}{ }^{\text {"D }}$. Imported. Shpg. wt., $3 \frac{1}{4} \mathrm{lbs}$. 99 P 32567 L Less Batteries 99 P 25413 Earphone


A verstable hand-held and portable powerhouse, the Dyna.Com 12A festures 5 -watts FCC maximum allowable input power, 12 switchable crystal controlled transmit and receiver channel positions, and a professionaily designed sturdy lightweight housing for outstanding versatility and performance. Its 13 transistor, 7 diode, 1 thermistor and i posistor circuitry is ingeniously designed to give excellent sensitivity, selectivity, adjacent channel rejection and R.F. overioad protection. This high power walkie-talkie operates on 12 Nickel Cadmium rechargeable batteries or 10 alkaline or dry cell batteries. It may also be connected to your auto, boat, or tractor 12 volt battery and to an external antenna for efficient mobife communi. citions. The Dyna-Com 12A can also be used on 110 volt 60 Hz , A.C. with the optional battery eliminator/charger and with a base stratlon antenna for reliable base station communications. Among
its many outstanding features is the external microphone/speaker jack which permits the use of an optional plug-In microphone/ speaker while the Dyna-Com 12A is conveniently shoulder carried or belt carried with the optional leather carrying case. Includes shoulder carrying strap, crystals for channel 10, and FCC license application Form 505. Size: $91 / 2 \mathrm{H} \times 21 / 10 \times 31 / 4$ "W. Shpg, wt.. $33 / 4$ lbs.
99 P 32484L Less Batteries
46 P 15 Extra Transmit Crystalt
Net 89.95
46 P 10 Extra Receive Crystalt
99 P 25413 Earphone for Dyna-Com 12A
99 P 3251 Earphone for Oyna-Com 12A ....................... Net 29 99 P 32518 YL Dyna-Com i2A for 26.620 MHz (C.A.P.) ..... Net 99.95 99 P 32526YL Dyпa-Com 12A for 27.575 MHz . (U.S. Gov't) Net 99.95 99 P 32534 YL Dyna-Com 12A for 27.575 and 27.585 (Gov't) Net 109.95 †See Page 443 for "How to Order Crystals."

## DYNA-COM OPTIONAL ACCESSORIES*

Eattery Ellminator/Charger. For Oyna-Com 3B, 12A, and 23. Plugs into 117 VAC outlet to permit base station operation. Charges up to 12 nickel cadmium batteries internally and externally in Dyna-Com 3B, 12A, and 23. Negative ground only. Has fused AC line. size $75 / 8 \mathrm{H} \times 55 / 8^{\prime \prime} \mathrm{D}$ (at hottom) $\times 31 / 1 \mathrm{~s}^{\prime \prime} \mathrm{W}$. Imported. Shpg. wt., 53/4 lbs.
59 P 32443 Model HB-508A
Net 26.50
Dyna-Charge. Charges from 8 to 15 nicad " AA " size cells. Plugs directly into Dyna-Com 3b, 5, 5a, 6, 12, 12a, 23 charge jacks and into Jack of Extra Back Battery Pack. Charges batteries of Dyna-Com 2, 2a, 3 and 3 a externally in holder with use of adaptor (Supplied). Size: 3 有 $\times 23 / 4 \times 2^{\prime \prime}$. Imported. Shpg. wt., $11 / 4 \mathrm{lbs}$. E9 P 31007

I Net 11.50

Mobile Cigarette Lighter Cable Assembly. Permits operation of Dyлa-Com from car 12 volt DC cigarette lighter. Shpg. wt., 7 oz. 99 P 46054
Dyna-Pack External Field Battery Pack with 10 " $D$ " batteries. Plugs into Dynacoms for reserve power. Imported, $3 \times 31 / 8 \times 71 / 2^{\prime \prime}$
99 P 31015 Shpg. wt., $31 / 4$ lbs. Net 5.95 Remote Microphone/Speaker for Dyna-Com 38, 12A and Dyna-Com 23. Plugs into microphone/speaker lack. Activation of walkie talkie Push-to-Talk switch required for transmission.
99 P 32500 Shpg. wt., 1 lb. ...... Net 6.95 Miniature Top Loaded Antenna. Highly efficient coil loaded $18^{\prime \prime}$ antenna which mounts on top of collapsed telescopic antenna. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$. 99 P 31437

Net 4.85

Antenna Adapter Cable. Adapts PL. 259 plug of external antennas for connection to antenna jack. Shpg. wt., 8 oz.
99 P 32476
Net 2.95
Nicad Rechargeable Batteries. 12 required for Dyna-Com 5, 5a, 6, 12, 12a, 23; 10 for Dyna-Com 2, 2a, 3, 3a, 3b. Shpg. wt., 3 oz. 32 P 47400 ...........................Net ea. 1.65

Alternate Heavy-Duty Alkaline Batteries. 12 required for Dyna-Com 5, 5a, 6 and 12; 10 for Dyna-Com 2, 2a, 3, 3a, 3b, 12a and 23. Shpg. wt., 207.
99 P 63828
Net ea. . 45
Cases: Genuine Top Graln Leather. 1202.
42 P 28110 For Dyna-Com 12a Net 6.50 42 P 28136 For Dyna-Com 23 Net 6.50 42 P 28128 For Dyna-Com 3b Net 6.50 $\ddagger$ Applicable to Dyna-Com 2, 2a, 3, 3a, 3b, 5, 5a, 6, 12, 12A, and 23 unless otherwise Specified.


## SUPER POWER LONG RANGE WALKIE TALKIE <br> For Industry, Public Safety, Sports, etc.

## 3 Watts

## 3 Channels

## Only



No Money Down*
FCC Type Accepted (26.28 MHz.) Parts $95(C B), 91$ (Indust trial), 93 (Transportation) D.O.C. Approved

* 3 Switchable Grystal Controlled Channel Positions
- 7 Stage Transmitter with Range Boost for Greater Range
* Superheterodyne Receiver plus RF Stage with $1 \mu \mathrm{~V}$ Sensitivity
- External Microphone/Speaker Jack
- Ceramic IF Filter for Superior Selectivity
- Vartable Squelch and Automatic Noise Limiting
- Battery Condition/Relative R.F. Power Output Indicator and Signal Strength "S" Meter
- Jacks for External Earphone/Speaker, External Antenna, External Battery Eliminator, and for Charger.

Lafayette's newest and finest version of the popular Dyna-Com 3 walkie-talkie series is a veritable powerhouse featuring 3 full watts of power with the fiexibility of 3 crystal controlied switchable transmit and receive channels. Its 12 transistor 7 diode circuitry incorporates a sensitive superhet receiver with RF amplification stage, lightning surge protection, and a highly selective ceramic filter for effective adjacent channel rejection. Its automatic gain control, automatic noise limiter, and variable squelch combine to achleve quiet operation. The 7 stage transmitter uses Range Boost modulation for higher average talk power and greater effective range, and incorporates a TVI trap for minimum TV interference. The Dyna-Com 3b includes a combined battery condition, relative RF power output indicator and received signal strength " S " meter. The external mlcrophone/speaker jack permits the use of an optional plug - in microphone / speaker while it is either shoulder carried or belt carried with the optional leather carrying case. Activatlon of the walkie-talkie Push. to-Talk switch is required for transmis. sion when the external mike is used. jacks are also provided for external earphorie or speaker, external antenna, bat.
tery eliminator or external DC power and battery charger. Complete with battery holder with batteries, carrying strap, set of crystals for channel 10. and FCC license application Form 505. Size $85 / 6^{\prime \prime} \times 33 / 4$ " $x$ 1" $h$ 。" 0 99 P 32450 L Shpg. wt., $41 / 4$ lbs. Net 64.95 Extra Transmit Crystal $\ddagger$ 46 P 15

Net 2.25
Extra Receive Crystal $\ddagger$
46 P 10 Net 2.25

Dyna. Com 3b Special Frequency Madifications 26.620 MHz . (C.A.P.)

99 P 32583 YL
Net 74.95
27.575 MHz . (U.S. Gov't) 99 P 32591 YL
27.585 MHz. (U.S. Gov'i) 99 P 32609 YL
S. Gov't)

OR INDUSTRIAL AND TRANSPORTATION (FCC Parts 91 and 93)
99 P 32617YL 27.235 MHz 99 P 32625 YL 27.245 MHz 99 P 32633YL 27.255 MHz 99 P 32641 YL 27.265 MHz 99 P 32658 YL 27.275 MHz See Page 443 for "How To Order

### 1.5 Watt 3 Channel WALKIE TALKIE

## Great for Industry, Farm, Boats, Sports

- 3 Switchable Crystal Channels
- Jack for Internal Charging
- Superhet Receiver with Less than $1 \mu V$ Sensitivity
- Battery Condition indicator
- Push-Puil Modulator with "Range-Boost"
- Jacks for External Battery Eliminator, Earphone and Antenna


## LAFAYETYE HA-420

No Money Down*

Lafayette's HA-420 is a lightweight powerful walkie-talkie that festures 3 -channel operation and 1.5 -watt transmitter Input for flexible and dependable communications. The efficient superhet receiver incorporates an RF amplifier for extra sensitivity. It's 13transistor, 4 -diode circult features a built-in battery indicator, a high level push-pull modulator with RANGE-BOOST for greater range, variable squelch and automatic noise Ilmiting for quiet communications, and 117 VAC operation with optional battery eliminator/charger. With telescoping antenna, battery holder (iess batteries), set of crystals
for channel 10, FCC License Form 505. Size: $81 / \mathrm{s}^{\prime \prime} \mathrm{H}$ (less antenna) $\times 3^{\prime \prime W} \times 15 /{ }^{\circ} \mathrm{D}$. Imported.
99 P 32674 L
Net ea. 37.95 Alkaline Batteries (8 required) $\qquad$ 99 P 63828 Wt., ea. 2 oz. Net ea. . 45 117 Volt AC Battery Eliminator and Battery Charger. Shpg. wt., $31 / 2$ lbs. 46 P $10 \ddagger$ Receive Crystal ........Net 2.25 $\ddagger$ See Page 443 for "How To Order Crystals"


See Page 454 for Dyna-Com Accessories


- Not a Kit-Completely Wired
- Interstage Transformer for More Sound

Compact 3-transistor walkie-talkie features a sensitive superregeneratlve recelver for minimum noise pick-up when volce signal is being received. Crystal controlled transmitter provides range up to $1 / 4$ mile. Has push-to-talk button. off-on volume control, and efficient speaker/mike. Supplied with
telescoping antenna, crystal, and battery. Size $51 / 2 \times 21 / 2 \times 13 /{ }^{2}{ }^{2}$. Imported. Wt., $11 / 416$. 99 P 32138 L HA.70D.

Net ea. 6.95 99 P 60212 Replacement Bat. Net 31 Optional 9 V Lead-Acid Battery plus Charger Imported.
99 P 90169 Shpg. wt., 5 oz. .....Net 3.29

## ~B-EEEP~ <br> CH2 <br> (B) 2-Channel, 7 Transistor Superhet CB Walkie-Talkie HA-73B

Power boost reflex circuit utilizes 7 silicon transistors to achieve higher sensitivity plus Pl-network antenna matching for extended range. 2-channel operation permits greater flexibility. Call alert system sends or receives a pleasant alerting tone for convenient calling. Case features beautiful die-cast chrome highlighted front panel. Supplied with carrying strap, telescoping antenna, battery and plug-in crystals for channel 15. Size: $57 / 8 \times 11 / 6 \times 23 / 4^{4}$. Imported. Shpg. wt., $13 / 4 \mathrm{lbs}$.
99 P 32542L HA-73B
Net ea. 18.75

## Only $18^{75}$

(C) 3-Channel 10 Transistor Walkie-Talkie

## With <br> 1) 1/ ~BEEEP~ C)N2 <br> Call Alert <br> Only

- All Silicon Transistors
- Powerful Push-Pull Audio
- Built-in Call Alert
- Pi-Net Output

Extra Transmit Crystal (Specify Channel $\ddagger$ ) 46 P 15

Net 2.25
Extra Receive Crystal (Specify Channel $\ddagger$ )
46 P 10 Net 2.25

99 P 60212 Replacement Bat. .. Net . 31
Optional 9V Lead-Acid Battery plus Charger. Imported.
99 P 90169 Shpg. wt., 5 oz. ......Net 3.29
Battery Eliminator.
99 P 31429 Shpg. wt., 7 oz. ..... Net 3.15 $\ddagger$ See Page 443 for "How To Order Crystals"

- Built-In Tone Alert Initiates Call
- "Range Boost" for More Effective Talk Power
- 3 Channels for Greater Versatility
- 10 Silicon Transistors for Dependable Power

Complete hand-held portable 2 -way communications for everyone, everywhere: Hunting, fishing, boating, construction, warehouse office and on the farm. Features a powerfu Range Boost modulated transmitter and efficient superheterodyne receiver in a IIghtweight, 16 ounce package. Cail aiert system sends or receives an alerting tone to initiate a call. Styled in a professionally designed black and brushed aluminimum metal case. Supplied with antenna, 6 penlight batteries, and a pair of plug-in crystals for channel 10 . Size $67 / 8 \times 21 / 14 \times 15$ 多". Imported. channel 10. Size $6 \% \times 2 \mathrm{~K} \times 188$. Imported.

Shpg. wt., $21 / 4 \mathrm{lbs}$.
99 P 32344 L HE - 410
Net ea. 29.95
Extra Crystals (Specify Channel $\ddagger$ )
46 P 15 Transmit 2.25
46 P 10 Receive ……....................Net 2.25
Replacement Dry Cell Batteries ( 6 req.)
99 P 62580
Net ea. . 10
Alternate Alkaline Batteries (6 req.)
99 P63828 ......................... 45
Battery Eliminator. Shpg. wt., 7 oz.
99 P 31429 .................................Net 3.15
$\ddagger$ See Page 443 for "How To Order Crystals"

# Lafayette Priva-Com"Encoder-Decoders 



## Only <br> $39^{95}$ <br> No Money Down*

Real Tiny: $11 / 4 \mathrm{H} \times 3 / 8 \mathrm{~W} \times 6 \%$ 。" D .
Using an ingeniously designed ceramic and resonant tuning fork circuitry instead of conventional reed relays, the diminutive Priva-Com IIIC is exceptionally adaptable for reliable mobile as well as fixed station performance. Its dual tone signal minimizes the possibitity 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 stations, the CB receiver is activated and the indicator light goes on. This light stays on until

## 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 Prlva-Com lIIC features simple-to-operate pushbutton switches for Standby, Normal (Reset) and Call; a Volume Controt: 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 917.5 Hz , and one for 997.5 Hz . tone frequencies. Size: $11 / 4 \mathrm{H} \times 35 / 8 \times 61 / 10^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$.
99 P 32427
.Net 39.95


## PLUG-IN TUNING FORK SELECTIVE FILTERS for LAFAYETTE PRIVA-COM IIIA, IIIB and IIIC

Choice of any two different frequencies listed below for those wishing to vary their Priva.Com IIIA, IIIB and IIIC frequencies. Shpg. wt., 2 oz.

| 99 P 35529 For 817.5 Hz | 99 P 35545 For 922.5 Hz | 99 P 35560 For 997.5 Hz |
| :--- | :--- | :--- | :--- |
| 99 P 35537 For 862.5 Hz | 99 P 35552 For 967.5 Hz | Each Net 4.95 |

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.. $20 z$.

| 99 P 31189 For 817.5 Hz | 99 P 31205 For 922.5 Hz | 99 P 31221 For 997.5 Hz |
| :--- | :--- | :--- | :--- |
| 99 P 31197 For 862.5 Hz | 99 P 31213 For 967.5 Hz | Each Net 4.95 | 99 P 31197 For $862.5 \mathrm{~Hz} \quad 99$ P 31213 For 967.5 Hz



This highly dependable encoder-decoder mutes the CB receiver until a Priva.Com dual tone signal is received. Upon receipt of this slgnal the incoming call Indicator light goes on, the horn or external alarm, if connected to the Priva-Com, is operated and the receiver speaker is activated for audfble communications. Both base stations or mobiles can initlate calls. Is not compatible with Priva-Com IIIA. IItB, IIIC or 10 . Size $4 \mathrm{~K}_{0}^{\prime \prime} \times 2 \mathrm{Ko}_{0} \times 51 / \mathrm{nn}$. Shpg. wt., $2 \frac{1 / 2}{} \mathrm{lbs}$.
42 P 01497 Fop Tube Transceivers
Net 29.95

## 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 and 25A
Tube Type CB Transceivers:
and with HB-525, A, B, C, HB-600,
HE-20T, and Telsat 23 Solid-
State CB Transceivers When Used With Adapter Below

## ADAPTER FOR PRIVA-COM V FOR SOLID STATE CB TRANSCEIVERS.

Adapts Priva-Com $v$ for direct mating and efflcient performance with Lafayette HB-525, A, B and C. HB-600. HE-20I, and Telsat 23 solid state CB transceivers with built-in Priva-Com socket.
42 P 01570 Shpg. wt., $1 \frac{1}{2}$ los.
Net 9.95

# NEW! ASCOM CB/POLLCE CONVERTERS 

Your Choice

$39^{95}$
with Mobile Mounting Bracket


FM/VHF ( $30-50 \mathrm{MHz}$ ) to CB FM/VHF ( 148.174 MHz ) to CB FM/UHF ( $450-470 \mathrm{MHz}$ ) to CB

- Converts Any CB Radio To An FM Monitor Receiver

Plugs into antenna clrcuit for simple installation and operation. Requires 12 VDC for operation. Will not interfere with normal CB operation when swifched off. Features 2 -channel operation. Works through Channel 9. Squelch circuit.. CB transceiver mutes background noise between signal reception. Comes complete with mobile mounting bracket, hook-up wire. Separate antenna jacks (not included in Low Band model) for proper monitor antenna to allow professional quality reception in fringe areas. Sensitivity .5 mV for 20 db of quieting. Ideal for use on boats to monitor U.S. Weather Bureau stations on 162.40 or 162.55 MHz . Size: $4 \mathrm{~W} \times 13 / 4 \mathrm{H} \times 43 / 44^{\prime \prime} \mathrm{D}$. specify exact operating frequency. Comes less crystal (see listing below). Allow 3 weeks for delivery. Shpg. wt.. 2 lbs.
42 P 10712 Low Band $30-50 \mathrm{MHz}$ to CB
...........Net 39.95 42 P 10720 High Band $148-174 \mathrm{MHz}$, to CB $\qquad$ Net 39.95 42 P 10738 UHF Band $450-470 \mathrm{MHz}$ to CB Net 39.95 Crystal Certificate for Ascom Converters. Send filled-out certificate, one for each crystal, to the manufacturer. Mfr. will ship crystal directly to you, postpaid, within 30 days. Specify Exact Monitoring frequency.
40 P 82103Y No. C.O.D.'s

# LAFAYETTE Economy CB 2-Way Radio Systems 

## Ground

Plane No Money Down*

BASE SYSTEMS
Consists of: Lafayette HB-600 23 -channel crystal-controlled CB 2 -way radio with 2 channels for industrial communications Heavy-duty Ground Plane Antenna and 50 ft . RG-8/U coaxial cable assembly. Shpg. wt., 251/2 lbs.
42 P 92090WXM
Net 258.95
Same system as above except with "Super Range Boost II" deluxe $1 / 2$ wave end-fed an tenna. Shpg. wt., $291 / 2 \mathrm{lbs}$. 42 P92108WXM ...................Net 275.50 You Save 14.05 from Individual Catalog Prices!

MOBILE SYSTEMS
Consists of: Lafayette HB-600 23 -channel crystal-controlled CB 2-way radio with 2 channels for industrial communications, stainless steel Body Mount Antenna. 20 ft . RG-58/U Coaxial Cable Assembly. Shpg. wt., $213 / 4 \mathrm{lbs}$.
42 P92116WXM
Net 251.50
Same system as above except with Bumper Mount Antenna. Shpg. wt., $213 / 4$ lbs.
42 P92124WXM
Net 253.50
You Save 10.35 from Individual Cata. $\log$ Prices!

SAVE $\$ 10.35$
From Individual Catalog Prices Only 750 No Money Down*


TELSAT SSB-25A 23
SATE +16.05
From Individual Catalog Prices

## Only <br> $306^{50}$

No Money Down*

BASE SYSTEMS
Consists of: Lafayette TELSAT SSB-25A AM/ SSB 23-channel crystal controlled CB 2-way radio; heavy-duty Ground Plane Antenna; and 50 ft . RG-8/U cable assembly. Shpg. wt., $241 / 4 \mathrm{lbs}$.
42 P 92454 WXM
Net 306.50 Same system as above except with "Super Range Boost II" deluxe $1 / 2$-wave end-fed antenna. Shpg. Wt., $281 / \mathrm{a}$ lbs. 42 P 92462 WXM
You Save 16.60 from individual cata. log Prices!

## MOBILE SYSTEMS

Consists of: Lafayette TELSAT SSB-25A AM/ SSB 23-channel crystal-controlled CB 2-way radio, stainless steel Body Mount Antenna. 20 ft . RG.58/U coaxial cable assembly. Shpg. wt., $211 / 4 \mathrm{lbs}$.
42 P 92470 WXM M . Net 302.50 Same system as above except with Bumper Mount Antenna. Shpg. wt., $211 / 4 \mathrm{lbs}$.
42 P924BBWXM .....................Net 304.50
You Save 9.35 from Individual Catalog Prices!


TELSAT SSB-50 23-CHANNEL SSB/AM 2-WAY RADIO SYSTEMS
SAVE $\$ 17.00$


SAVE $\$ 8.90$
From Individual
0 Only 250


No Money Down* Cable


# From Individual Catalog Prices Only 2095 

 No Maney Down*

Body Mount

## MOBILE SYSTEMS

Consists of: Lafayette TELSAT SSB-50 AM/ SSB 23 -channel crystal-controlled CB 2-way radio; stainless steel Body Mount Antenna; and 20 ft . RG-58/V coaxial cable assembly. Shpg, wt., $163 / 4 \mathrm{lbs}$.
42 P92512WXM $\qquad$
Same system as above except with Bumper Mount Antenna. Shpg. wt., $15 \frac{3}{4}$ Ibs. 42 P 92520 WXM .......................Net 294.95

You Save 8.90 from Individual Catalog Prices!


Cable

## BASE SYSTEMS

Consists of: Lafayette TELSAT SSB-50 AM, SSB 23 -channel crystal-controlled CB 2-way radio; Lafayette PS. 50 AC Power Supply heavy-duty Ground Plane Antenna; and 50 ft RG-8/U cable assembly. Shpg, wt., $301 / 4 \mathrm{lbs}$ 42 P 92496 WXM ......................Net 330.50 Same system as above except with "Super Range Boost If" deluxe $1 / 2$ wave end-fed anterna. Shpg. wt. $343 / 4$ lbs. 42 P 92504 WXM You Save 18.00 from Individual catalog Prices?

## LAFAYETTE Economy CB 2-Way Radio Systems



# Lafayette Economy CB 2-Way Radio Systems 



## MICRO-23 ECONOMY 2-WAY RADIO SYSTEMS



MODEL HB-525F 23 CHANNEL 2-WAY RADIO SYSTEMS


SAVE $\$ 10.10$
From Individual
Catalog Prices
Only 1595


HB-s020

## Base Systems

Consists of: Lafayette Model HB-525F 23 Channel Solld-State CB Transceiver: HB-502日 AC Power Supply; heavy-duty Ground Plane Antenna; 50' RG-8/U Low Loss Cable Assembly. Wt., $211 / 4 \mathrm{lbs}$. 42 P 92397 WXM Net 195.95


Same as above except with "Range Boost II" deluxe $1 / 2$ wave endfed antenna. Wt., 23 lbs.
42 P 92405WXM

# Lafayette CB Replacement Parts \& Accessories 

12 VOLT DC POWER CABLE


Consists of one hot red lead and one black ground lead. One end of assembly terminates In a rugged 3 contact female plug, ready for mating with chassls 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 contalning a protective fuse. Features well soldered connections, strong wire, Overall length approximately' 6 feet long. For HB500, A, HB-555, H8-525 Series, H8-625 HB-23, Telsat 150, Telsat 50 , HA-750, PB-50, PB-150. HA-39, 42, 45, 46, 153, 155. HA-159. 99 P 31106 imported. Wt., 4 oz. Net 2.09

## DC POWER CHASSIS JACK



Mounts on chassis rear and accepts plug of 12 volt DC power cable 99. 31106 above. Used in H8-500. A. MBin
525 Se-s.e. A. AB-
Series. HB625. HB-23. HA750, PB-150, PB-50, HA-39, 42, 45, 46, 153, 155. 159, Telsat 150 and Telsat 50, etc. imported.
99 P 63638 Shpg. wt., 2 oz. ... Nel . 89
CABLE ASSEMBLIES


FOR COMSTAT 23, 25, 25A, 25 B
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 P' 32401 Imported
Net 2.15
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 P 31825 Imported
Net 2.50
For Comstal 23 MK V \& MK VI
AC Cable Assembly. Shpg. wt., 502.
99 P 32419 Imported ...... Net 1.95
AC CABLE ASSEMBLIES FOR HE-20, A, B, C: $\mathrm{HE} .43, \mathrm{~A}, \mathrm{~B}, \mathrm{C}: \mathrm{HE}-45, \mathrm{~A}, \mathrm{~B}$; HE-50, A, HB333. Shpg, wt., 5 oz .

32 ค 09327
Net 1.95
HEAVY DUTY CB MICROPHONE CABLE


- 3 Conductors Plus Shield

A durable colled cord, retractable micro. phone cable with 3 insulated conductors, one of which is shlelded. 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 P 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 MB-525 Series. HB-625, HA-750, PB-50 and PB-150, Telsat 50, Telsat 150 , etc. $63 / 4 \times 2 \times 3 / 4{ }^{\prime \prime}$. Imported. 99 P 63588 Shpg. Wt., 5 oz . Net 1.49 Same as above but for tafayette HB-555, HB23. HA.39, 42, $45,46,153,155$, HA. 159. $61 / 4 \times 21 / 4 x^{3 / 4}$ ". Imported.
99 P 63596 Shpg. wt., 4 oz. Net 1.49

## 27 MHz WALKIE-TALKIE TELESCOPING ANTENNA

Attractlve and highly efficient 12 section chrome plated brass telescoping antenna for "walkie falkie" transceivers. Measures 52" fully extended and $57 / \mathbf{s}^{\prime \prime}$ retracted. Has 8-32 threaded stud and nut at bottom for easy mounting, and soldering lug for electrical connectlon Shpg, wt., 5 oz. Imported. 99 P0082 Net 1.95

## LAFAYETTE MINIATURE

 MICROPHONE CONNECTORS
(A) Microphone Plug for CB and Amateur Microphones. Precision engineered and sturdily construc ted. Plug takes any 4 conductor (or 3 conductor with shield), coiled cord or straight cable Features threaded retaining ring for positive locking, integral cable retalining clamp, and polarizing keyway. Size: $11 / 4^{\prime \prime 1} \times 1 / 2^{\prime \prime} 0$ Used with microphone in Comstat 23, MKV MKVI, Comstat 25, 25A, 25B, HB-444, HB-444 125. HB-444/25A, Comstat 19. Imported. 99 P 62630 Shpg. wt., 3 oz. .. Net 1.59 (8) Microphone Chassis Socket Mounts on equipment chassis or panel and mates with " 99.62630 plug. Size: $3 / 4^{\prime \prime} \times$ Ko" Dia. Requires s/a" mounting hole. Used in Comstat 23. MKV, MKVI. Comstat 25A. 25B, HB-444/ 25A. Comstat 19. Imported. Wi. 3 oz.

## MICROPHONE PLUG

Attractive, sturdy plug used with HB-555 HB-600. HB-600A. HA-650, HE-20D, HB-525 HB-600, HB-600A, HA-650, HE-20D, HB-525
Series, HB-625, HE-20T, HB-23. HA-750. Tel sat 23 , Telsat 150 , Telsat 50 and Micro- 12 microphones. Four male prongs on one end with retaining cable clamp on the other end. Sturdy molded plastic body with plated metal housing. Size: $5 / 8^{\prime \prime} 00 \times 11 / 2^{\prime \prime}$ overall Imported. Shpg. wt., 402.

Net 1.09


MICROPHONE CHASSIS SOCKET
Mounts on chassis rear of equipment. Accepts and mates with microphone plug 99 P 62838 above. Used in H8-555, H8-600, A, HA-650, HE: 20D. HB- 525 Series, HE 625, HE-20T, HB-23, HA-750, Telsat 23. Tel sat 50 , Telsat 150 and Micro-12. Imported. 99 P 63646 Shpg. wt., 2 oz. .....Net .99 ILLUMINATING PILOT LAMPS S Meter Illuminating Lamp. Operates on 6 volts AC or DC. Used in Lafayette Comstat 23. MKV, MKVI, Comstat 25, Comstat $25 \mathrm{~A}, 25 \mathrm{~B}$, HB444/25A. Imported. Shpg. wt., 3 oz .
99 P 62622
Net 34
Chanrel Selector Dial Indicator Lamp. Used in Lafayette: HB-500, HB-525 Series HB-625, HB-600, HE-200, HE-20T, HA-39, 42, 45, 46, 153, 155, HA-159, HA-750, Telsat 150, Telsat 50. PBe50, PB-150, Micro-12. Imported.

99 P 63612 Shpg. wt., 2 oz. .....Net .29

A. Adapts from an auto antenna plug (Motorola type) to an S0-239 socket. Wt., 4 oz . 42 P 22014

Net 1.29
B. Adapts from PL-259 plug to a standard auto radio antenna jack (Motorola type). 42 P 22022 Shpg. wt,, 4 oz. Net 1.29

GENERATOR NOISE FILTER

- Freq. Range $3-30 \mathrm{MHz}$
- Simple to Instali
- Adjustable

Enables quiet receiver operation for Citizens Band, Amateur and indus trial frequencies. Stand-
 ard frequency range 3.30 MHz . Maximum current
25 amps Imported 25 amps. Imported. 99 P 6018 Shpg. wt., 5 oz. Net 2.60

## VOLTAGE REGULATOR FILTER



- Will Operate on 6-12 24 \& 32 Volt Systems at all Frequencies

Ellminates noises in communication receivers caused by points in voltage regulator Not voltage or frequency crittical-no tuning required. Shpg. wt., 5 oz.
42 P 89013
Net 3.95

## ALTERNATOR NOISE FILTER



A highly effective filter for alternator equipped automooiles. Attenuates alternator noise by 50 db . Can operate up to 32 volts DC. Results in quiet mobile receiver operation. Shpg. wt., 402.
42 P 49009
Net 3.49
NEW! DELUXE 60-AMP ALTERNATOR
AND GENERATOR FILTER


- Range 2.2 to 400 MHz


## 795

An effective ferromagnetlc filter that wipes out annoying noise. Easy to install. No need to tune since circult attenuates noise at all radio frequencies.
42 P 21131 Shpg. wt., 1 lb. Net 7.95
NEW! FEED-THRU
SUPPRESSOR FILTERS

$$
\begin{gathered}
\text { As Low } \\
\text { as }
\end{gathered}
$$

Extremely effective RF fitters above 2 MHz suppresses noise due to regulators and generators at 27 MHz . Rated at $.5 \mu \mathrm{fd}, 50$ working volts. Shpg. wt., 6 oz.
42 P 21149 Rated at 40 amps Net 2.50 42 P 21156 Rated at 60 amps Net 3.25

## TRANSISTORIZED 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 stiching contacts. Handles up to 4 amps. size $3^{\prime \prime} \mathrm{H} \times 11 / 2$ "O.D
Shpg. wt., $80 z$
For Vibrator Sockets with pin \#1 Posftive.
42 P 79006 Net 9.93 For Vibrator Sockets with pin \#1 Negative. 42 P 79014

Net 9.95


## KNURLED SCREW

For mounting moblie bracket onto Lafayette MB-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., $30 z$. 99 P 63604

Net . 45
For Lafayette Comstat 23, MKV, MKVI, Com stat 25 , Comstat $25 A, 258, \mathrm{HB}-444 / 25$. 99 P 31833 Shpg. wt., 2 oz. ......Net , 45

## LAFAYETTE-Headquarters for CB Accessories \& Equipment

Measures

- RF Power Output
- \% Modulation
- Relative Field Strength
- Crystal Activity
- SWR
- DC Volts Up To 15 V
- DC Amps Up To IA
- RF Power Up To 8 Watts


## LAFAYETTE CB Transceiver Multitester

## 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

Features sensltive D'arsonval meter, jacks for aural and visual monltoring audio generator output and RF signal generator output; ceramic jacks for standard minlature crystal sockels. Controls include 8-position selector switch-Sig. Gen./Crystal, Field Strength, DC Amps 0.100 ma , AC Amps $0-1 \mathrm{~A}$, $\operatorname{DC}$ Volts $0-3 \mathrm{~V}$, AC Volts $0-15 \mathrm{~V}$, Modulation, RF Power/SWR. 4 lever switches for: RF Gen., Audlo Gen./Modulator Power-SWR and Forward, Antenna-External and Internal. Also has-Push-to-Calibrate Switch. Meter Adjust Control, Modulation Calibrate Control. \$0-239 sockets accept standard PL-259 connectors. Sturdy attractive metal case with brushed aluminum front panei. Size: $8^{\prime} W \times 33 / 40 \times 53 / 4$ "H. Includes "AA" battery; $60^{\prime \prime}$ telescoping antenna. Imported. Shpg. wt., $51 / 4$ lbs.
99 P 32195 No Money Down* $\qquad$

Antenna Coaxial Switch
$5^{95}$

- 2-Position
- Rated At 1 KW AM, 2 KW PEP SSB CBer's and Hams can stop reaching behind their rigs, wasting time and missing calls switchling antenna leads. With thls qually coaxlat switch-just turn the knob and In. stantly change from one antenna to another. Size: $21 / 2 \times 11 / 4^{2}$. Shpg. wt,. 6 oz.
42 P 21024
Net 5.95


## CB INLINE WATT METER

$14^{95}$

- Rated at 5 -Watts Continuous


Easy to use and very accurate! Tells you how many watts your CB rig is delivering. Reads true output power in watts when in* serted in a 50 ohm line. Stays in line for constant monitoring. Negligible insertion loss. Reads true output power and not rela. tive power.
42 P 21065 Shpg. wt., 5 oz. .. Net 14.95

## Low Pass Filter

## 649

Avoid TV Interference. Reduce TVI Coming from your rig and interfering with TV sets by inserting a LP filter in your line. Rated at 100 watts input. Attenuation starts at 39 $\mathrm{MHz}_{1}$ is 20 db down @ $40 \mathrm{MHz} 26 \mathrm{db} @ 45$ MHz and above. Impedance: 50 ohms. Insertion loss: $1 / 2 \mathrm{db} @ 27 \mathrm{MHz}$. Shpg. wt., $1 / 4$ oz.
42 P 21123
..Net 6.49

Model 250-49 C8 Matchbox. Compact self contained antenna matching unit enables maximum energy transfer to antenna sys* tem. 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: $4 \times 31 / 4 \times 27 \mathbf{m}^{\prime \prime}$. Shpg. wt., $11 / 2$ lbs.
42 P 39141
Net 15.95
A/S M-250 Antenná Switch


Monitor 2 transceivers with one antenna. Transmit on either up to 5 watts. Efficient line splitter and coupler. Impedance: 50 ohms. Frequency: 2.5 to 220 MHz . Insertion loss less than $1 / 2 \mathrm{db}$. Shpg. wt., 6 oz .
42 P 21107
.Net 9.95
Madel 250-849 Antenna Meter. Effectively minimizes power loss through your antenna system. Get maximum communication range from your transcelver. Direct reading antenna meter measures SWR up to 10:1. No external power needed. Size: $41 / 2 \times 23 / 4 \times$ 2K.". Shpg, wt. 14 oz.
42 P 39133
Net 14.95

## 

Twin Rig Coupler


CB and Ham SWR Mini-Bridge


- Handles A Full 500-Watts Average Power Only $23 / 4^{"}$ long by $1 \% 8^{\prime \prime}$ high by $1334^{"}$ wide, yet, wlll handle a full 500 -watts average power with negilgible insertion loss. Gives stable meter readings of SWR plus an additional scale shows relative output power. designed for 52 -ohm impedance lines. Supplied wlth universal mounting bracket for inline applications. Shpg. wt., 8 oz.
42 P 21040
.Net 13.25


## E. F. JOHNSON CB Matchbox

## $15^{95}$



- 14 Test Functions
- Large $3^{\prime \prime}$ Meter

Only

with batteries

# Improve Your Citizen Band Performance 

## AMECO CB Transceiver RF Preamplifiers



## As Low As <br> $66^{95}$

- On the Air Sign No Money Down*
- Improve Receiver Sensitivity AM or SSB
- FET Transistor Amplifier
- Connects to CB Transceiver No Modification Required
Model C8-v" solid.state preamplifier improves sensitivity, Increases gain of receiver section of transceiver over 20 db . Improves signal-to-noise ratio. Automatlc 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: $71 / 2^{\prime \prime} \times 31 / 4^{\prime \prime} \times 41 / 2^{\prime \prime}$. Shpg. wt., 41/4 ibs.
42 P' 69098 No Money Down ${ }^{2}$ Net 66.95 Deluxe Model PCB-Senior. In addition to the fabnye, conitains -power switch to control entire station. It can feed a second receiver and automatically mutes second recelver while transmitting. Has double tuned preselector stage. For base station 117 V AC only. Shpg. wt., $31 / 4 \mathrm{lbs}$.
42 P 69130
Net 78.95
LAFAYETTE Auto-Marine Engine Noise Suppressor Kit

- A must for Mobile CB

$12^{95}$and Ham Operators

- 13 Components Plus Shielded Cable Bonding Strap and All Mounting Hardware

Easily installed kit will effectively suppress nolse and interference created by the oper. ation of electrical equipment in your car or boat such as spark plugs, circuit break. ers, coils, generators, regulators, or distributor assemblies. Consists of 8 -spark plug suppressors; 1-distributor suppressor ${ }_{\text {; }} 12$. ft . shielded cable; 18 -inch bonding strap, $1 / 4$ "-wide, 4 -coaxial capacitors. All necessary hardware and complete instructions for installation are included. Shpg. wt., $13 / 4 \mathrm{lbs}$.
42 P 09052
444

## Solid-State CB Emergency Call System for Cars

Only

Operates on Channel 9

- Combination Mike and Speaker Saves Space

Monitor Channel 9, 24 hours per day in your car. Just pick up the push-to-talk mike and call for help in an emergency. Mike also includes built-in speaker. Comes with Trans. mit and Receive crystal for Channel 9 in. stalled. Powerful solid-state circuitry includes 7 transistors, 4 diodes, and 1 ic.

## DRAKE TV42LP Low Pass Filter

## 765



## - Avoid TV Interference

Effectlusly reduce Tii which may be eminating from your CB transmitter and inter. fering with TV sets. This four section filter is designed with a 43.2 MHz . cut-off and extremely high attenuation in all TV channels for citizens band and other transmitters 30 MHz . and lower. Rated 100 watts input. SO-239 connectors bullt.in. Wt. 3/4 lbs. 40 P 65132 .................................Net 7.65

## E. F. JOHNSON Solid-State in-Converter

## $22^{95}$ <br> Converts:

6VDC to 12 VDC
6VDC to 18VDC 12 VDC to 24 VDC

448:4

Permits you to match voltage and polarity from any 6 or 12 volt DC power source to your citizens band equipment. Converts 6 volts OC to 18,12 volts $D C$ to 24 . Inverts volts $O C$ to 18 , 12 volts $O C$ to 24 . Inverts
polarity from positive to negative to positive. Select any combinatlon of connections in seconds by merely changing one jumper cable. Size: $53 / 4^{\prime \prime} \mathrm{L} \times 21 / 2^{\prime \prime} \mathrm{H} \times 33 / 4^{" W}$. Shpg. wt., $2^{1 / 4} \mathrm{lbs}$.
42 P 39190 ......................................... 22.95


Includes mounting bracket for easy under dash installation. Power Input 5 watts. RF Power Output. 3 watts. Requires mobile CB antenna, For 12 -voff Negalive ground systems, Size: $15 / \mathrm{aH}^{2} \times 31 / 2 \mathrm{~W} \times 71 / 4{ }^{\prime \prime}$ L. Shpg. wt., $21 / 2 \mathrm{lbs}$. Imported.
42 P 66052 No Money Down*Net 44.95

## Transistorized CB

 Compressor Amplifier

Ta!k close: or rarther from your mike without varying the output signal or over-modulating. Operates on inexpensive 9 -volt battery (not included). Amplifier has volume control. Gain: $271 / 2 \mathrm{db}$ @ 1 kHz . Freq. Response: 300 to $20,000 \mathrm{~Hz}$. Complete with handy mounting bracket. Shpg. wt., 1 lb .
42 P 21115
Net 19.95
9 -Volt Battery for above.
99 P 60212
..Net ea. . 31

## LAFAYETTE CB Phone Patch

$15^{95}$


- 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 communi. cations system. For use with 3.16 ohm speakers and high impedance microphone inputs. Modulation gain control to compensate for varying line levels. On-off switch disconnects patch when not in use. Dimenslons: $41 / 8 \mathrm{Wx} 17 / 8 \mathrm{H} \times 2$ "D. Shpg. Wt., $11 / 4 \mathrm{lbs}$. 42 P 01638

Net 15.95


## CB Transceiver Auto-Mount

- Adjustable-Fits all Transceivers Screws firmly to floor. $1^{\text {N }}$ strap holds trans. ceiver firmly in place. Easy access to all controls. Steel construction. Size: $10 \mathrm{~V} / \mathrm{m}^{\prime \prime}$ to $143 / 4^{\prime \prime}$ wide, $103 / 4^{\prime \prime}$ long. Rear height: $53 /{ }^{\prime \prime}$. front height $9^{\prime \prime}$. Shpg. wt., $4^{43 / 2 \mathrm{lbs} \text {. }}$ 42 P68009W


# Lafayette... Headquarters for CB Crystals 

A full line of transmitting and recelving crystals for LAFAYETTE CB Transceivers and Walkle-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 recelver circuit of these transceivers. Shpg. wt., 202.

## HOW TO ORDER CRYSTALS

for Lafayette CB transcelvers
Add two (2) digits representing the desired channel to the appropriate stock number listed below; i.e. the correct stock number for Lafayette Model HB-115 transmit crystal for channel 1 is 46 P 1801, likewise for channel 23 is 46 P 1823.

CRYSTALS FOR LAFAYETTE CB TRANSCEIVERS

| Model | Stack Numbers Transmit Recelve |  | Model | Stock Numbers Transmit Recelve |  | Model | Stack Numbers Transmit Recelve |  | Model | Stock Numbers Transmit Receive |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| HB-115, A | 46 P 18 | - | HE-20t, HA-450 | 46P65 | 46P10 | HB-200 | 46 P 61 | 46 P 19 | Comstat 19 | 46 P 61 | 46 P 17 |
| HE-15, A, B | 46 P 18 | - | HE-43, A, B,C,HE-90 | 46P18 | 46 P 19 | H8-500, A | $46 P 15$ | 46P16 | Micro 12 | 46 P 15 | 46P10 |
| HE-20,A,B,C | 46P18 | 46 P 19 | MB-111 | 46P61 | 46P19 | H8-555 | 46P65 | 46P13 | Micro 6 | 46P15 | 46P10 |
| HE-20 ${ }^{\text {d }}$ | 46P11 | 46 P 10 | HA-150 | 46P15 | 46P10 | Comstat 9 Kit | $46 \mathrm{P61}$ | 46 P 17 |  |  |  |

## CRYSTALS FOR LAFAYETTE "WALKIE-TALKIE" CB TRANSCEIVERS

| Model | Stock Numbers Transmit Recelve | Model | Stock Numbers Transmit Recelve | Model | Stock Numbers Transmit Recelve |  | Model | Stock Numbers Transmit Receive |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| HE- | 46 P 1846 P 17 | HE-88, HE-100, A, B | 46 P 15 46P10 | HA-300, A, B | 46 P 11 | 46 P 10 | Dyna-Com, 3, 3D | 46P15 46P10 |
| HE-29C | A 46P15 46P10 | HA-130A, HA- 132 | 46P15 46P10 | HA-303, НА-305 | 46 P 15 | 46P10 | Dyna-Com 3a | 46P11 46P10 |
| HA.60, | A 4 P15 46P10 | HA-135, 711, A | 46P15 46P10 | НА-310, НА-310A | 46 Pl 5 | 46 P 10 | Dyna-Com5,5a,6 | 46 P 1546 P 10 |
| HA-73, | 46 P 1546 P 10 | HE-210. A, HA-295 | 46 P 15 46P10 | HE-410, HA-420 | 46P15 | 46P10 | Dyna-Com 1212 A | 46P15 46P10 |

CB Crystals for Other Popular Transceivers

NOW . . Any transmit crystal or any receive crystal for any CB transreceiver that uses a separate transmit crystal and a separate receive crystal for each channel. NOT APPLICABLE TO CRYSTALS USED IN SYNTHESIS CIRCUITRY. Not Applicable to Any Communications Service Other Than CB.
SEND filled-out certificate, one for each crystal, to crystal manufacturer. You will receive the crystal dinectly from the manufacturer, postage prepaid, within a maximum of 30 days.


## Hy-Gain and Shakespeare CB Base Station and Mobile Antemnas

## hY-GAIN MOBILE HELLCATS



Now with Extra Heavy Duty Coils

[A] "hellcat 2" ROOF TOP MOUNT ANTENNA. Base loaded, and almost impervlous to damage. The extremely short, strong, lightweight stainless steel tip rod provides a very flexible capability to withstand garages and low hanging obstacles. Only 23 inches high. Complete with $22^{\prime}$ of coax and connector.
42 P 35164 W Shpg. wt., 2 lbs.
Net 16.95
[8] "HELLCAT 3 " MAGNET ANTENNA. Magnetically mounted in an Instant and requires no holes or tools. You'll talk loud and clear with a low SWR on all 23 -channels. Complete with $16^{\prime}$ of coax and connector. Overall height is $345 / \mathrm{s}^{3}$

Net 18.95 42 P 35172W Shpg. wt., 2 lbs.
(C) "HELLCAT 4" TRUNK MOUNT ANTENNA, Mounts easlly and qulckly on the lip of your trunk Ild. Is base loaded with an etched copper coll, giving a very low SWh on all 23 channels. With $22^{\circ}$ coax and connector. Overall height 47".
42P 35180W Shpg wt., $31 / 4 \mathrm{lbs}$.
Net 21.95
(D) "HELLCAT G" CAMPER AND TRAILER ANTENNA. Instalts quickly and easily on all types of campers and house trallers. Mounting bracket is complete with low profile base and chrome plated brass automatic fold-over, providing necessary mechanical protection. With $22^{\prime}$ coax and connector. Overall height $47^{\prime \prime}$
42 P 35206W Shpg. wt., $33 / 4 \mathrm{lbs}$.
Net 22.95
E "HELLCAT 7" THE FOLO-OVER ROOFTOP ANTENNA. Tension loaded base provides rigid support at all time, yet folds when struck by an obstacle or when the vehicle is garaged. Complete with $22^{\prime}$ coax and connector. Shpg. wt., 3 lbs.
42 P 35214W

HY-GAIN CLR/II BASE STATION ANTENNA

## $32^{25}$

- Electrically Extended 5/8 Wave Length Radiator
- Delivers 8 DB Circuit Gain

Defuxe colinear ground plane antenna. Rugged base mounting assembly insures survival in winds up to 100 MPH. Maximum ( 20 ft .) Radiator develops greatest possible galn. 3.4 db in measured fleld strength intensity plus improvenient in signal/nolse ratio resulting from vertical element being at DC ground. Total circuit gain in excess of 8 db . DC ground feature protects antenna and equipment from lightning damage. Element material top quality aluminum tubing $11 / 4^{\prime \prime}$ to $3 / 8^{\prime \prime}$. All seamless tubing. Mount on mast $1^{\prime \prime}$ to $1 \%{ }^{\prime \prime}$. SWR less than 1.2:1. Fed with 52 ohm coax. Shpg wt., $8 \frac{1 / 4}{} \mathrm{lbs}$. 42 P 35016W No Money Down*

Net 32.95

## SHAKESPEARE FIBER-GLASS

CB MOBILE WHIP ANTENNA

- Mounts On Standard Ball, Cowl, or Bumper Mount
- Power Rating: 200 Watts
- SWR 1.5:1

Model 10-3. Deluxe $96^{\prime \prime}$ quarter-wave fiberglass whip is light-welght, non-corrosive and anti-static. Fiberglass construction utilizes Shakespeare's exclusive oriented fiber process for superior strength. Fittings are of chromed brass. Vertically polarized to conform with typical mobile to mobile or mobile to base operation. Matched to RG-58 or other 50 -ohm coaxial cable. Thread size: $3 / 8-24$ Shps. wt., 1 lb .6 oz .
$36^{95}$ NEW SHAKESPEARE "BIG STICK"
winds inal half-wave, fiberglass antenna. Takes hurricano lows, ice, salt water and severe corrosion. Pretuned for low SWR. No ground radials. Omni-directional and works anywhere, with any length cable. Two sections form $181 / 2^{\prime}$ length. U-bolts supplied for $11 / /^{\prime \prime} \cdot 11 / 2^{\prime \prime}$ mast. Standard 50 239 connector. Shpg. wt., $71 / 2 \mathrm{lbs}$.
42 P $17014 W$ No Money Down*
Net 36.95

# Antenna Specialists Citizen Band Antennas Base Station Antennas 

NEW! M-400 "STARDUSTER" 5 db GAIN OMNI-DIRECTIONAL CB BASE STATION ANTENNA
SO

Provides 5 db gain over a flat ground plañe. 100-mph-plus wind survival. Waterproof coax feedpoint. Handles in excess of 2500 watts. Best signal lobes at the horizon. No up-angle of radiation. Diecast aluminum and seamless aircraft tubing construction. simple to assemble and install. Static cap at radiator midpoint for best $\mathrm{S} / \mathrm{N}$ ratio. Can be mounted on $1^{\prime \prime}$ threaded pipe or $11 / a^{\prime \prime}$ steel mast. Overall helght 18 ft . Parcel Post Shippable. Shpg. wt, $51 / 2$ lbs.
42 \& 10688 W
Net 39.95

## M227 "MIGHTY MAGNUM III" 1/2 WAVE OMNI-DIRECTIONAL CB BASE STATION ANTENNA

## $36^{95}$

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
4 db gain. Increases radiated power to 13watts. "Power-Tip" radials lower radiation angle and increase range. "Stati-Lite Diamond's reduces receiver noise. Phasing coil optimizes impedance match-VSWR less than 1.4:1- Completely waterproof transformer jacket. Four electrically shortened radlals (only $60^{\prime \prime}$ long) permit easy installation and decreases wind resistance. Overall height: $17^{\prime} 6^{\prime \prime}$. Tikes masts up to $16 / 2^{\prime \prime}$ O.D. Parcel Post Shippable. Shpg. wt., 10 ibs .
42 P 10563 W
Net 36.95
Super-Magnum M117 $1 / 2$ Wave Base Station Antenna, Shpg. wh., 10 lbs . 42 P 10019W


## Mobile Antennas

M-180 ADJUSTABLE GUTTER CLAMP MOBILE ANTENNA
$18^{95}$ coaxial cable

- Clamps On In Seconds and Adjusts To 5 . Positions From Inside The Vehicle

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 elther side of vehicle. Sleek black fiber. glass center loaded whip is professionally designed for heavy-duty operation. Has all the things a cg'er would want in a mobile antenna: Ruggedness, reliability and high performance. Shpg. wt., 2 lbs.
42 P 10522W
Net 18.95

## M-30 4 Ft . TUNEABLE FIBER GLASS MOBILE WHIP

## Q 95 - Replace Your Old Stee! $1 / 4$ Wave Mobile Whip

Tapered "Armorweave" construction. Solid copper radiator and loading coil encapsulated within the white fiber glass antenna. Fits any mount with $3 / /^{\prime \prime}-24$ thread. Wt., $11 / 2$ lbs.
40 P 10707

## "QUICK-GRIP" MOBILE ANTENNAS

## As Low As $19^{95}$

## (A) Coaxial Cabie

> "Quick-Grip" Trunk Mount-No Holes to Drill-Simple Instal. lation, Mounted in Seconds.

## M-410 "Big Momma" Mabile CB Antenna

$29^{95}$

- Heavy Duty $1 / \mathrm{m}^{*}$ Diameter Loading Coil
- VSWR 1.5:1
- Instant Quick-Grip Mount
- Stainless Steel Spring
(A) Modet M175. Stainless steel whip. Base Loaded with attractive gray jacket and chrome end fittings. Whip adapter provides $11 / 4^{\prime \prime}$ adjustment for extra fine tuning. "Quick-Grip" mount. Solderless lead connection with. PL-259 at set end of 16 foot coaxial cable. Shpg. wt., 2 lbs.
42 P 10498 W
Net 19.95
[B] M304-White flbre glass whip, tapered stainless steel slim-line shock spring. Ex. treme resistance to corrosion. Only $46^{n}$ long. Solderless lead connection with PL259 at set end of 17 ft . coaxial cable. Shpg. wt., $13 / 4$ lbs.
42 P10613W
Net 23.95


## M-90 96" FIBERGLASS WHIP MOBILE ANTENNA

A $96^{\prime \prime}$ white flberglass CB whip antenna designed for use only on the 27.MHz band. Mounting adapter consists of chrome plated brass ferrule sists of chrome plated brass ferrule
with $3 / \mathrm{a}^{\prime \prime} 24$ male thread to fill standard base or spring. Wt. $11 / 4$ lbs 42 P 10217 WX

Net 10.95
MODEL M-3B 102" WHIP. SImilar to M. 90 except stainless steel constructlon. Shpg we., 2 los.
42 P 10225WX

Antenna Specialists most powerful mobile C8 antenna. Extra heavy duty. Uses professional $17 / \mathrm{g}^{\prime \prime}$ loading coll. Hefty whip is made of $17-7$ PH stainless steel, coated with copper and nickel for super-conductivity. Radiator length: $393 / 4^{\prime \prime}$. VSWR: $1.5: 1$, input impedance: 50 ohms. Overall height: $49^{n}$. With instant quick-grip mount and stainless steel spring. Shpg. wt., 2 lbs.
42 'p 10670W ....Net 29.95

## M-178 "STICK-SHIFT" MOBILE MAGNET ANTENNA

With 16' Coaxial Cable
For temporary or permanent mo. bile applications. Powerful magnet feature lets user shift position of antenna or change from one vehicle to another. Triple chrome plated metal base. Fine tuning adjustment, VSWR 1.5:1 or better, $38^{\prime \prime}$ stainiess steel whip with 16 ft. RG-58/4 cable termination in PL 259 connector. Shpg. wt., 2 lbs. 42 P 10530W. Net 17.95

Net 99.95
Net 3.40

Musti-element directional antenna system with all new electronics. Increased gain: 4.75 db omni-directional and 8.75 db directional. Electronically rotatable for a full $360^{\circ}$ in $3-120^{\circ}$ steps plus an OMNI-POSITION for quickly locating CB stations, particularly mobile. This is accomplished by use of the separate electronic control unit. Compact array of 3 sec or-phased $171 / 2^{2}$ vertical elements extend less than $3^{\circ}$ from the mounting boom. Resists over 100 mph winds. Requires 4 -cond, rotor cable. Takes masts from $11 / 2^{\prime \prime}$ to $2^{\prime \prime}$. Shpg. wt., 20 lbs.
42 P 10696W

100 ft coil of 4 -cond. rotor cable
32 P 89105

## Selected CB Antennas, Rotors and Mounts

## M-168 MOBILE "GRIP.STICK" MAGNETIC ANTENNA

- Ideally Suited for

Temporary Emeréency,
or Psefitanent Mounting

- No "Installation" Involved
with 15 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 CB radio. Staintess steel whip, anodized aluminum base, black phenolic insulator, and grey center loading coil. VSWR under 1.5:1. With 15 ft . coaxial cable and PL-259 connector. Shpg. wt., 2 ibs.
42 P 10480 W
Net 17.95


## ANTENNA SPECIALISTS M2O WINDOW MOUNT ANTENNA Only $10^{95}$

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 will improve with height above ground.
Shpg, wt., 2 lbs.
42 P 10092 W
Net 10.95

## UNIVERSAL LAFAYETTE MOBILE ANTENNA ACCESSORIES



CHROME PLATED SWIVEL. BALL MOUNT 8ASE. Can be mounted vertically or horizontally. With lug terminals. Imported. Shpg, wt., 1 lb . 99 P 30306

Net 3.49 heavy duty
STAINLESS STEEL SPRING. Provide maximum support for long whips and heavy centerloaded whips. Imported.
Shpe. wt., $11 / 2$ lbs.
99 P 30363
Net 3.25
CHROME PLATED BUMPER MOUNT WITH STAINLESS STEEL STRAP. Completely adjustable for vertical mounting on most types of automobile bumpers. Highly rellable and durable. Eliminates need of cumbersome link type chain mounts. Imported. Shpg. wit, $17 / 4 \mathrm{lbs}$.
99 P 30355 .Net 4.95

## ANTENNA SPECIALISTS ANTENNA MOUNTS


( MODEL M-191. Double Chain Bumper Mount. Cadmium plated. Accepts $3 /{ }^{\prime \prime} .24$ thread of spring or whip.
42 P 10183 Shpg. wh., $23 / 4 \mathrm{lbs}$. Net 10.45 [B Model M147 Stainless Steel 8umper Strap Mount. No holes to drlll-easily adjusted.
42 P 10399 Shpg. wt., 2V/4 lbs. Net 11.95
(C) Model M-115-whip hold-down clip.

42 P 10191 Shpg. wt., 3 oz. Net 1.25
[D] Mode! M-161 Qulck Grip Mount. Standard trunk-lid mount accepts all $3 / \mathbf{g}^{\prime \prime}$ snap-in-tyle antennas. No holes to drill. Water resistaht body seal.
42 P 10472 Shpg. wt., 1 lb . Net 4.95

## AVANT! "Moonraker" base station antenna



No Money Down*
Combines $1 / 2$ wave cross dipole elements with the patented PDL UNQUAD design reflector. A simple tlick of the swich changes mode, for transmitting or receiving, from vertical to horizontal polarization for inter-ference-free communications. Uses only a 15 ft. boom to eliminate efficiency losses inherent in multiple in-line quad designs, thus better slgnal excitation is achieved to provide greater true gain. Designed along the lines of antennas used to pinpoint signals on "moon bounce". 14.4 db galn. 1.2:1 SWR. 50 ohms impedance. 38 db vertical to horizontal separation. 90 MPH wind survival. All alreraft quality aluminum with cast hubs and extruded clamps. includes dual switch box for use with standby omni. Ships. wt.. 27 lbs.

## 42 P 34068 WXY

Net 129.95

## CUSHCRATT "RINGO" $1 / 2$ WAVE VERTICAL CB FIXED ANTENNA <br> 

## $21^{50}$

- 3.75 db gain
- Covers All 23 Channels with 1:1 SWR

A sturdy Cltizen Band vertical antenna with power ring tuning for amazing full circle gain. Power ring glves a perfect match between antenna and feed cable to utilize all available transmitter power. Construction is all .049 wall aluminum tubing with solid hold telescope clamps and phenolic base Insulator. De. signed for 52 ohm direct coaxial feed. Overall height: 17'10". D|rect DC ground to eliminate static discharge nolse and lightstatic discharge nolse azard. Shpg. wt., $41 / 4$ lbs.

## 42 P 20026 W …...Net 21.50

## SOLDERLESS PL-259

LOW-LOSS COAXIAL CONNECTORS
One for either RG58/U or RG59/U cable. Quich,
easy connections. No
fuss. no bother, no adapter, no soldering required. Shpg. wt., 402.
Solderless PL259 for RG58/U Cables 42 P 69106 Net ea. . 79
Solderless PL259 for RG59/U Cable
42 P 69114 ...........................Net ea. . 79

## LafayEtte "DUMMY" ANTENNA LOAD FOR CB TRANSCEIVERS



A 52 ohm non-inductive load for testing and tuning-up Citizens Band transmitters up to 5 watts. Bult into PL 259 coaxial plug. 42 P 09029 Shpg. wt., 3 oz. ... Net 1.59

# Assorted Lafayette Citizens Band Antennas 

## LAFAYETTE $1 / 2$ WAVE CB MARINE ANTENNA

## ant $24^{\text {sis }}$

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. Single hole mount- $3 / \mathbf{s}^{\prime \prime}$ diameter stud, $2^{\prime \prime}$ long. Base cover cap is white polypropyiene. Center loaded high efficiency Tuned Circuit. Stainless steel whip. Overall height $581 / 2^{m}$, Feedpoint 52 -ohms. shpg. wt.4 3 lbs.
42 P 01612 W ........Net 24.95

## LAFAYETTE CENTER-LOADED CB WHIP ANTENNA

## Only <br>  <br> with PL259 <br> Connector

- Weather-Proof
- For Base Station or Portable Use
- Adjustable Whip Stub

Sturdy, attractive, portable chrome plated center-loaded whip antensa. Terminates in a PL-259 connector. Adjustable whip is $11 \% 6^{\prime \prime}$ in length. Also provided is an addiltional whip stub, $12 \% \%_{0}^{\prime \prime}$ total length. Center loading coll is completely weather-proof. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$. 99 P 31890

Net 5.50

## DELUXE LAFAYETTE UNIVERSAL BASE LOADED CB WALKIE-TALKIE ANTENNA



- Replaces Broken Or Existing Recessed Antenna
- Instantly Attaches Without Tools

Universal base loaded CB walkietalkie antenna. Only $16^{\prime \prime}$ In length. Replaces broken or existing recessed antenna. instantly attaches without tools. Can be tuned to compensate for antenna length. Made of non-corrosive materials. Operates equal to long telescoping antennas.
99 P $32187 \mathrm{Wt} ., 1 / 4 \mathrm{lb}$. Net 2.19

## LAFAYETTE MOBILE AM TO CB ANTENNA CONVERTER



- 1 Antenna Now Does the Job of 2 Antennas
- Converts Any AM Automobile Antenna to a Highly Efficient Combination CB and AM Antenna
Specially designed Lafayette AM to CB antenna converter consisting of a weatherproof loading coil with a universal mount and adjustable matching 71/4" stub. Covers entire 27 MHz Citizens Band. Easily attaches to your existing AM automobile antenna. includes dividifig harness which couples your new combination AM and CB antenna directly to your clitizens Band Transceiver and AM auto radio. Imported.
99 P 31163 Shpg. wt., $3 / 4 \mathrm{lb}$. Net 7.50


## LOW COST LAFAYETTE <br> 1/4 WAVE GP ANTENNA

## 795

- $360^{\circ}$ Polar Pattern

Made in U.S.A.

- 95. 

Sturdy, High performance--low cost, trouble free ground plane anterna for C.B. High quality solid aluminum elements - steel mounting bracket. $360^{\circ}$ polar pattern provides complete 23 channel coverage. Overall height $106^{\prime \prime}$. Terminates with S0239 connector. Accepts PL259. SWR $1: 5 / 1$ or better. Shpg. wit., $3 \mathrm{y} / 4 \mathrm{lbs}$.
42 P 01620 W
Net 7.95

## With 5' of Cable Easily Mounts On Cowl or Rear Deck


#### Abstract

Only $38^{\prime \prime}$ high but performs like $102^{\prime \prime}$ antennas. Designed for cowl mounting, provides an excellent radiation pattern. Substitutes for conventional 1/4 wave whips as well as baseloaded antennas in the 27 MHz band. The four foot whip eliminates the possliility of striking overhead objects. Specially designed rocker support assures 8 -point groundling and permits mounting up to $35^{\circ}$ angle on fender, cowl or rear deck-fits any $15 / 16^{\prime \prime}$ to $114^{-}$mounting hole. Complete with 5 ft . of Re.58/U cabie. Shpg. wt. 2 lbs. 42 P 01125W

Net 8.95


LAFAYETTE CENTER-LOADED MOBILE CB GUTTER CLAMP ANTENNA


Portable center-loaded CB antenna is Ideal for the CB'er. Easily removable when not in use-prevents theft or damage. Gutter clamp snaps on rain gutter of automobile. Heavy spring assures positive grip. Clamp is heavily plated to resist corroslon. Only 20 tiches in length-outstanding 11 meter performance. SWR 1:1. Furnished with $12^{\circ}$ of RG58/U cable with PL- 259 connector. Imported.
Shpg. wt., 11/4 lbs.
99 P 31882
Net 8.95

## LAFAYETTE CENTER-LOADED FIBER. GLASS CB COWL MOUNT ANTENNA



# LAFAYETTE Mobile Citizens Band Antennas 

## LAFAYETTE STAINLESS STEEL CB MOBILE ANTENNA

- 102" Stainless Steel Whip for Optimum 11-Meter Performance
- Heavy-Duty Cadmium Plated Stainless Steel Spring
- Aluminum Swivel Ball Jointed Mount Base
Aluminum swlvel mount base deslgned to be mounted on any surface. Plated steel spring holds rod in properly adjusted position and prevents rod damage from shocks and blows. Stainiess steel whip for resillency and strength. Less cable. Has lug terminals for 42 P 70021 cable assembly. Shpg, wt., 5 fbs.
42 P 01554 WX
Net 8.95


## LAFAYETTE BASE LOADED "AUTO-TOP" CITIZEN BAND ANTENNA

- Automobile rooftop application effects ideal Omnidirectional signal patterns
- Mounts neatly from outside vehicle in $3 / 4^{\prime \prime}$ hole
- Base loaded Phasing Transformer completely weatherproof
- 39" Stainless Steel whip

The Lafayette Base Loaded "Auto-Top" Citizens-Band antenna offers the CB'er the ideal omni-directional signal pattern with very low signal to noise. This quality antenna consists of an inconspicuous base loaded, neutral glay weather. proof phasing transformer (only $4^{\prime \prime}$ high, and $1^{\prime \prime}$ in diameter), a $39^{\prime \prime}$ stainless steel whip, and all mounting hardware including complete and simple mounting instruction sheets. Antenna mounts in $3 / 4^{\prime \prime}$ hole. Comes less cable. Shpg. wit. 2 lbs.
42 P 01208W
Net 8.95

## DELUXE LAFAYETTE HEAVY-DUTY MOBILE CB-AM ANTENNA

- One Antenna Does the Job of Two
- Low Loss Cables
$10^{95}$
- All Connections Under Dash
with all connecting cable

Deluxe Cowl mounted antenna doubles for Clizens Band and broadcast reception. Eliminates two antennas on your car. Sturdy construction with heavy chrome plate. $46^{\circ}$ long collapsing to $31^{\prime \prime}$. Fits the $7 / 0^{\prime \prime}$ to $1 \%_{0}{ }^{\prime \prime}$ space left by auto antenna. Includes automatic dividing harness, $1^{1}$ cable to AM set, $2^{\circ}$ cable to CB rig and $5^{\circ}$ cable with PL-259 plug to antenna. Small divider unlt fits under dash. Imported. Shpg. wt., $14 / 2 \mathrm{lbs}$. 99 R 30003W

Net 10.95


20 FT. COAXIAL CABLE ASSEMBLIES

## (A)



These cabie assemblies are necessary for connection between Citizens Band Transceiver and Antenna.

TYPE A-Consists of 20 ft. RG-58/U cable with PL-259 plus UG-175/U on both ends. Required for Ground Plane and Mobile Antennas term. inating in a coaxial jack. Shipg. wt., 12 oz .
42 P 70013 Type $A ; 20 \mathrm{ft}$. length
Net 3.25
TYPE B-Same as Type A except one end is terminated with PL-259 plus UG-175/U and other end with universal ring type terminal tugs for mobile antennas. Shpg. wt., 11 oz .
42 P 70021 Type $B ; 20$ ft. length
Net 2.95

## LAFAYETTE CB BUMPER MOUNT ANTENNA WITH STAINLESS STEEL STRAP

- Cadmium Plated Bumper Mount with Plated Steel Strap
- 102" Stainless Steel Whip
- Heavy-Duty Cadmium Plated Steel Spring

$10^{95}$<br>Made in U.S.A.

An outstanding Lafayette CB antenna featuring a full-size $102^{\prime \prime}$ stainless steel whip and a fully adjustable steel plated mount with a steel plated strap which was 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 P 01596 WX
Net 10.95


## LAFAYETTE BASE LOADED TRUNK MOUNTED MOBILE ANTENNA

- No Visible Holes in Car
- Trunk Groove Mount

1095

- Installs in Seconds Made in U.S.A.
- Phasing Transformer Completely Weatherproof
- 39" Stainless Steel Whip

Exciting moblle antenna from Lafayette permits the CB'er to mount his antenna without any visible holes on his car. Special trunk groove mount requires just two tiny $7 / 32^{\prime \prime}$ holes in groove of car trunk lld. Antenna holds securely and is adjustable to all cars. Features base loaded, weatherproof phasing transformer (only $4^{\prime \prime}$ high, $1^{\prime \prime}$ dlameter) and a $39^{\prime \prime}$ stainless steel whip. Complete with all mounting hardware, simple mounting instructions. Less cable. Shpg. wt., $21 / 2 \mathrm{lbs}$.
42 P 01455
Net 10.95


## LAFAYETTE "RAPID-GRIP" MOUNT BASE LOADED MOBILE CB ANTENNA

- "Rapid-Grip" Mount Provides Permanent Antenna Installation In Seconds Without Drilling Holes
$12^{95}$
Made in U.S.A.
"Rapid-Grip" mobile antenna is especlally suitabie for trunk mounts. No holes to drill. Slips over trunk lip. Cable is completely hidden. Neat, trlm, professional appearance. Offers ideal omnidirectional signal pattern. Water resistent body seal. 39 " Stainiess Steel whip. Base loaded phasing transformer com. pletely weather proof. Overall length $43^{\prime \prime}$ Less cable. Has lug terminals for 42 P 70021 cable assembly. Wt., 11 oz . 42 P 01521

Net 12.95


## DELUXE LAFAYETTE BASE-LOADED FIBRE-GLASS CB ANTENNA

- Our Best Mobile Antenna
- "Pultrusion" Fibre Glass Whip
- Base Loading Coil
- Tapered Shock Spring and RG58/U Cable

Only 45" long Mas hioh strongth 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 $7 \mathbf{B}^{\prime \prime}$ snap. in mount. Solderless lead connection with 17 ft . of RG58/U Cable. Shpg. wt., $21 / 4 \mathrm{lbs}$. 42 P 01646

# LAFAYETTE Base Station Citizens Band Antennas 



- Heavy Duty Mounting Bracket
- Static Clover Leaf Ball Design Reduces Receiver Noise
- 3.75 db True Omni-Directional Gain
- VSWR-1.5 to 1 or less
- Signal to Noise Improvement of 6-20db

The "Range 8oost/II" 1/2-wave CB base station antenna is one of the most popular of Lafayette's-famous line of high performance CB antennas. Specially designed antistatic cloverleaf ball drastically reduces receiver noise by continuous dissipation of static discharge. Offers a 3.75 db true omnidirectional gain. Tremendous signal to noise ratio improvement of $6-20 \mathrm{db}$ giving you very clean reception. VSWR is 1.51 . Includes a phasing transformer, rubber covered for mois. ture resistance. Vertical radiator consists of 3 seamless aluminum tube sections topped by a solid aluminum $108^{\prime \prime}$ top section. $34^{\prime \prime}$ radials provide proper transmission line decoupling. New heavy duty mounting bracket. Direct ground lightning protection. 50 ohm. $17^{\prime \prime} 6^{\prime \prime}$ over-all length. Accepts up to $11_{2}{ }^{\prime \prime}$ masts PL-259 cable connector. Shpg. wt., Less mast and coax. 6 lbs. 42 P 01448 W $\qquad$ Net 19.95

## POLYFOAM COAX CABLE ASSEMBLY FOR BASE STATIONS

As Low As

 \begin{tabular}{l}
Complete fransmission line packages designed <br>
for better CB operating efficiency. The polyfoam <br>
dielectric insures low line loss important in get- <br>
ling the most from your base station. Ready to use <br>
PL-259 connectors on both ends. <br>
\multicolumn{5}{c}{ Type } \& Length \& Wt. \& Net <br>

| RG8/U-50 ohms | 50 ft | 5 | lbs. | 9.65 |
| :--- | ---: | :--- | :--- | :--- |
| RG8/U.50 ohms | 100 tt | $9 \% / 4$ | lbs. | 16.95 |

\end{tabular}

LAFAYETTE'S 3-ELEMENT VERTICAL
BEAM CB ANTENNA
$18^{95}$
Made in U.S.A.

- Multiplies Power 8 Times
- Completely Precision Tuned and Ready to Assemble and Install
- Steel Parts Irridite Treated to MIL Specs

An exceptionally high gain, directional antenna system for Citizen's Band 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 $11 / 4^{" 0} 0 . \mathrm{D}$. aluminum boom is 8 feet long. $5 / 0^{\prime \prime}$ to $\mathrm{K}_{10}^{\prime \prime}$ O.D. aluminum elements are approximately $16^{1 / 2} \mathrm{ft}$. long. All steel hardware is irridite treated to MIL specs. Accepts up to $11 / 2^{\prime \prime}$ mast. Completely factory pretuned. Furnished with simple mounting instructions. Less mast and coax cable. Shpg. wt., $73 / 4 \mathrm{lbs}$.
42 P 01133 w
Net 18.95


Our best base station CB antenna. $1 / 2$-wave endfed 4 db omni directional type. Huge loading coil will safely handle 50 to 75 times normal CB power, Rubber covered, HI-Q phasing coil optimizes impedance match, VSWR less than 1.4-1. Three ground radials ( $5^{\prime} 4^{\prime \prime}$ ) are base loaded for optimum performance. 4 db galn delivers 13 watts E.R.P. (effective radiated power). Constructed of seamless aircraft tubling and. corro-slon-proof stael for best weatherbility and wind resistance. Rated to withstand 100 mph winds. Four element static ball passes off percipitus static smoothly and reduces receiver nolse. DIrect ground lightning protection. Overall height 18 ft . Stainless steel mounting hardware will accommodate up to $11 / 2^{\prime \prime}$ mounting mast. Less mast and coax. Shpg. wt., $81 / 2$ lbs.
42 P01604W
Net 29.95

## LAFAYETTE LIGHTNING PROTECTOR



Designed to eliminate statio build up on coaxial cables. Provides a constant drain off, reducing chances of a direct lightning strike and in many cases eliminating noise problems. Employs one PL-259 plug and one DKCB connector. Shpg. wt., 1/4 Ib.
42 P 20018
Net 3.95
Steel Mast For Mounting CB Antenna
10 it. 16 gauge Gold Kote steel mast-1V/4 O.D. Shpg. wt. 4 Ibs
18 P $63281 \mathrm{IbX}^{2}$

## LAFAYETTE Monitor VHF and UHF Antennas <br> DELUKE पFFIVETE MOETE FM VHF ANTENNAS <br> HIGH BAND MOBLLE ANTENNAS <br> LAFAYETTE "RANGE-BQOST"TM 2 BAND FM YHF GROUND PLANE COMMUNICATIONS ANTENNA

$6^{95}$- For 130.174 MHz With $12^{\prime \prime}$ Calive - For $450-470 \mathrm{MHz}$

Moblle roof or trunk mount for 130 174 MHz of $450-470 \mathrm{MHz}$ 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 $212 / 2^{\prime \prime}$. Shpgwl., $13 / 4$ los. 40 P 01137

Net 6.95

## LOW BAND MOBILE ANTENMA

$12^{95}$
5 - For 30.50 MHz - Features "Rapid-Grip" Lest Cable Trunk-Lid Mount

3 deluxe new base loaded FM-VMF 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 drill. Provides Ideal omni-directional signal pattem. Consists of weatherproof phasing transformer, stainiess steel whip and cadmium plated "rapidgrip" mount. Overall length $43^{\prime \prime}$. Wt. 2 lbs.
10 P O1145W $30-36 \mathrm{MHz}$.. 12.95 40 P 01152W $36.42 \mathrm{MHz}-12.95$ 40 P. 1129 W 42.50 MHz .. 12.95 20' Coaxial Cable Assembly for above antennas. Terminate with PL-259 on one end and universal lugs on other end.
42 P 70021
Net 2.95

## LAFAYETTE DUAL BAMD

 FM-VHF INDOOR MONITOR ANTENNA 8 95- For 30.50 MHz $130-174 \mathrm{MHz}$

Dual band indoor antenna enables you to operate your VHF FM communications recelver without having to put up an outdoor antenna. Consists of 2 section stainless steel whip with center loaded colls for $30-50 \mathrm{MHz}$ and $130-174 \mathrm{MHz}$. Ideal for use with Lafayette Models PF175, PF60, PF 30 FM VHF recelvers. Overall length $48^{\prime \prime}$. Lug-type connector. all length 48. Lupherted. Shpg. wt. 12 dz .
Imported.
99 P 26106
Net 8.95

## FIXED STATION RG-58/U

 COAXIAL CABLE ASSEMBLIES

## - For Monitor - For Ham - For CB

Ideal for connection between base station antenna and recelver, RG-58/U coaxial polyfosm cable. PL-259 connector on both ends. 50 ft . length. Shpg, wi., 2 lbs.
42 P 09243
. Net 5.95
100 ft . Iength. Shpg. $\mathrm{wt} .4 \mathrm{3} / \sqrt{2} \mathrm{fbs}$.
42 P 09250
Net 9.50


Model LR-145 High Band Monitor For 130.174 MHz and $450-470$ Whz. Lightweight, omni-directional vertical ground plane antenna. 4 Radials are of staintess steel construction. Radiator is of chrome plated brass and highly corrosion resistant. Coaxial fitting on antenna base directly accepts the standard PL-259 coaxial plus. cepts the standard PL-2scent up to plus. U-bolts are provided to accept up to $11 / 8^{\prime \prime}$ dlameter masis shog. wh., 2 lbs . 40 P 01160 w

Net 7.50

## Model LR 40 Low Band Monitor

For 25-50 Minz. Omni-Directional vertical ground plane antema. 3 -solid aluminum radials cadmutur plated steel mounting brackets. Lug-Type connector. U-Bolt supplied to accept up to $11 / s^{\prime \prime}$ masts. Tuning Chart supplied. Shpr. wt., 4 lbs. 40 P 01178 W

- For $30-50 \mathrm{MHz}$, 130.174 MHz
- Boost your FM Receiving Range

An exceptionally efficient ground plane antenna for operation between 30 to 50 HMz and 130 to 174 MHz (on the high band, maximum antenna cable lenth to receivel should be 50 ft . for best efficiency). Com. prised of 4 easily assembled drooping elements tuned to 30 MHz and a vertical radistor with a matching transformer and a low and high band collinear collector. Ideal for use with Lafayette FM communications recelvers. Constructed of heavy-duty aluminum alloy rods and stainless steel tip sectlon. Antenna comes complete with mount. In bracket for $\mathbf{1 "}^{\prime \prime}$ pipe or $11 / 4^{\prime \prime}$ tubing. Shpg. wt., 51/4 bs.
40 P 01053 W
Net 19.95

| LITAVETTE "UHF/RANGE BOOST" 450-470 MHZ MONITOR BRSE ARTENWA | ANTENHA SPECIALISTS ASP 542 450-470 MHz MOBILE ANTENNA |
| :---: | :---: |
| -4db Receive Gain Over 1/4 Wave Antenna <br> - Clamp Onto Any Mast Up to 1\%/2" Diameter <br> - DC Grounded Shunt Fed for Lightning Prolection | Whth Quich Grip Trunk Lid Mount No Holes to Drill <br> includes 17 th. RG-58/U Cable and PL259 Connector <br> - 3 db Gain Doubles Effective Radiated Iransmitter Power <br> - VSWR: 1.5:1 or Better <br> - Hi Q Phasing Coil |

Get exceptionatly high performance! Con sists of two $1 / 2$ wavelengths, employing both impedance matching and high a phas. ing colis, encased in a weatherproof jachet. 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. Galn: do 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 cabie with PL-259 coaxial connector. Shpg. wt., ith.
coaxial connec
40 P 01202 W

AMTENHA SPECIALISTS ASP 542 $450-470$ MHz MOBILE ANTENAA

An exceptionaily versatile 3 do gain, 450 to 470 MHz mobile heavy-duty antenna designed to fit every prolessional vehicular requirement. 3 db gain doubles effective radiated transmitter power. Phasing coils are shock-resistant, weatherproof, mounted in the center of the radiating element and encased in jackets. Whips are stainless steel and feature an adapter providing $11 /{ }^{\prime \prime}$ adjustment for exact fieid frequency tuning by raising or lowering the bottom rod without cutting. Input impedance: 50 ohms; Antenna Power Rating. 100 Walts. Wt. $11 / 2$ ibs

40 P 13256 W
Net 16.95

# Police, Fire, Aircraft Receivers, Preamplifiers 

## ANTENNA SPECIALISTS MONITOR PREAMPLIFIERS

A great new hearing aid for monitor enthusiasts, these preamplifiers bring up those weak far away signals to useable levels. The in. coming signal strength is actually multiplied ten times. Designed for high amplification, broad band for 20 db on any band. Operates on single 9 -volt battery (not supplied) for mobile use or with optional battery eliminator for 117 VAC, fixed use. Complete with mobile mounting bracket and connecting coaxial cable with pin plug. $2 \times 33 \times 4 \times 43 / /^{\prime \prime}$. Wt., 1 lb . HIgh Band ( 148.174 MHz )

## 40 P 13298

Net 29.95
Low and Hiph Band ( 30.50 and $148-174 \mathrm{MHz}$ ) 40 P 13306 No Maney Down* Net 39.95 UHF Band ( $450-470 \mathrm{MHz}$ )

## 40 P 13314

Net 29.95
 Battery eliminator for operating preamplifiers on 117 VAC. Imported. Shpg. wt., $3 / 4 \mathrm{lb}$. 99 P 90219

Net 3.99


## 3 Models:

High Band (148-174 MHz) Low and High Band ( $30-50$ and 148-174 MHz) UHF Band ( $450-470 \mathrm{MHz}$ )

SONY TR-8460 PORTABLE AIRCRAFT RECEIVER


With Batteries AC Adapter, and Earphone

- Frequency Range $108-136 \mathrm{MHz}$
- RF Stage For High Sensitivity
- Slide Rule "Cursor Scale" For Precise Tuning
- Squelch Control

Tunes in the most widely used civil avlation frequencies from air-to-ground pilot and controller transmissions, VOR omni-range broadcasts, and low frequency band pllot weather data. Operates on 4 " 0 " batteries or 117 VAC. "Instant on" solid state circuitry. Swing away carrying handie and telescopic antenna. $33 / a^{\prime \prime}$ dynamic speaker. Slze: $51 / 2^{\prime \prime \prime} \mathrm{H}$ $\times 101 / 2 \mathrm{~W} \times 21 / \mathrm{b}^{\prime \prime} \mathrm{D}$. Imported. Shpg. Wt., 4 lbs . 17 P 33070L No Money Down* ...Net 49.95

SHAKESPEARE LOW BAND. HIGH BAND MOBILE FIBERGLASS MONITOR ANTENNA

$18^{5 .}$$25-50 \mathrm{MHz}$ or
$148-174 \mathrm{MHz}$ Bands
This dual band tweerclass mobile antenna operates in the 5/8 wave mode at high band and the $1 / 4$ wave mode at low band its replaceable flexible tip
the $1 /$ wave mode at low band Is replaceable flexible tip
(whip) inserts directly into the (whip) inserts directly into the
housing and eliminates the need for a base spring. The pressure moided Polv.Carbo. nate housing seals the coil against the environment. Peaked and pre-tuned at the lactory. Mounts in a $3 / 4^{\prime \prime}$ hole. Supplied with $18^{\circ}$ RG-58/U cable with both a phono plug and a Motorola plug. Length $47^{\prime \prime}$. Shpg. wt., $11 / 2 \mathrm{lbs}$.
40 P 27066 ..........Net 18.95 No-Hole Trunk Mount for above antenna. Shpg. wt., 6 oz. 40 P 27074 ...........Net 4.95 Gutter Mount for no hole mounting of antenna. Shpg. wt., $40 \mathbf{0}$. 40 P 27058 ..........Net 2.50 Adapter: Adapts Motorola plug to $\$ 0.239$ socket. Wt., 4 oz . 42 P 22014 ...........Net 1.29

"Min)" Solid State aircraft radio receiver. Pocket size, covers standard aircraft band 108-136 MHz. Listen to aircraft in flight. or airport towers from up to 10 miles away. Features variable tuning, $41 / 2^{\prime \prime}$ whip antenna, and earphone. Includes 2 Mallory MS41 batteries. Imported.
40 P 21002 L Shpg. wt, $1 / 2 \mathrm{lb}$. Net 14,95 Package of 6 extra oatteries 32 P 46931 Shpg. wt., $1 / 2 \mathrm{lb}$.

## CUSHCRAFT 3-BAND

 MONITOR STIK Only $10^{95}$3 Antennas in 1

- 30-50, 135-175, and $450-470 \mathrm{MHz}$ Bands

The Monitor Stik antenna can be used with any coax inputHi, Low, and UHF. single dual, or three band receiver Unusual vertically polarized design plus full half-wave ele. ments on Low and Hi bands, and multiple half-waves in phase on UHF pull in distant hard-to-receive signals. Universal support permits mounting on mast, tower, window, etc. Accepts 72 or 52 -ohm coaxial cable with PL- 259 connector. With easy-to-follow instructions. Overall lenath 12'; support boom $24^{\prime \prime}$. Wt., 4 lbs.
40 P $19246 \mathrm{~W}^{2} . . . .$. Net 16.95

NEW-TRONICS HI/LO MOBILE MONITOR ANTENNA

## Only 1095

- Trunk Lip Mount
- For $25-50 \mathrm{MHz}$ and 140.174 MHz

> An excellent hi/to band trunk Ilp mount mobile monitor antenna. Covers $25-50 \mathrm{MHz}$ and 140.174 MHz . No holes to drill and easily installed on rear or side of trunk lid. Heavy-duty four section telescoplc antenna with efficient waterproof loading coil. Supplied complete with 17' RG-58U coaxial cable with all connections factory attached. Wt., 2 lbs ., 502. 40 P 55166

HY-GAIN TRI-BAND MONITOR ANTENNA

Only
$g^{95}$

- 25-50, 130-174, plus $450-470 \mathrm{MHz}$
- Plugs Directly Into Receiver

Expertly designed center load. ed Low, High and UHF tri-band direct plug-in antenna. Excelient for use in strong local signal area. Attaches conveniently to the rear of your monitor receiver. Furnished with adapters for various receiver antenna terminations. Shpg. wt., $11 / 2$ lbs. 40 P 31316W

# VHF and UHF Police, Fire, Marine, Civil Defense, and Business Monitor Receivers 

## regency 8 Channel 2-Band Hi/Lo Monitor Scanners



- Automatic Cross Band Scanning
- Instant-On Solid State Circuitry

Less Crystals

Three models to choose from. Automatic Cross Band Scanning Automatically Monitors (SCANS) any mixture of 8 high and fow band FM channels or Manual Pushbutton Channel Selection. Illuminated read-out lights indicate receiver is scanning for signals. When receiving a signal, it locks on, listens to signal until transmission is over, then resumes scanning. Audio Outpute 5 watis: Sensitivity: Low Band - $0.5 \mu \mathrm{~V}$. High Band- $0.7 \mu \mathrm{~V}$. AC or 12 VOC Moolle operation. Comes complete with AC of OC power cords, moblle mounting bracket, removable telescope antenna, $4^{\prime \prime}$ built-in speaker and external speaker terminals. Size: $21 / 2 \times 5 \frac{1}{2} \times 71 / 2^{\prime \prime}$. Shpg. wt., 7 Ibs. For 117 VAC or 12 VDC. Specify High Band Frequency Coverage, Frequency Spread should not exceed 8 MHz . No C.O.D.'s (Allow 3 weeks for delivery.)

| Stock No. |  | Model | Netea, |
| :--- | :--- | :--- | :--- |
| $40 \mathrm{P} 60232 Y$ | $\mathrm{TMR8H} / \mathrm{LL}$ | $144-174 \mathrm{MHz} / 33-39 \mathrm{MHz}$ | 169.00 |
| $40 \mathrm{P} 60240 Y$ | $\mathrm{TMR8H} / \mathrm{LM}$ | $144-174 \mathrm{MHz} / 37-43 \mathrm{MHz}$ | 169.00 |
| 40 P 60257 Y | $\mathrm{TMRBH} / \mathrm{LH}$ | $144-174 \mathrm{MHz} / 41-47 \mathrm{MHz}$ | 169.00 |

Net ea.
165.00 169.00 Crystal certificate for above models. Filt out one for each crystal and send directly to crystal manufacturer
40 P 82103 Y
Net 5.95

## REGENCY 8-Channel 450-470 MHz UHF Monitoradio/Scanner

## "om $159^{00}$

with AC and DC Power Cords, Mobile Mounting Bracket, and Removable Telescope Antenna

Automatically scan your choice of eight $\mathbf{4 5 0 . 4 7 0} \mathrm{MHz}$ frequencles. Stops and liftens to each transmission. At the end of transmission automatically continues scanning for another signal. Hifuminated read out lights. Can also be operated manualily. Pushbutton control for each channel. Built-In $4^{\prime \prime}$ speaker. Squelch control. Instant-on solid-state circuitry. Audio output 5 watts. Sensitvity: 0.7 microvolt for 20 db quieting. size $21 / 4^{\prime \prime} \times 5 \frac{1}{2 \prime \prime} \times 71 / 2^{\prime \prime}$. Shpg. wt., 6 tbs. specity Frequency Coverage when Ordering. Total Frequency Spread should Not Exceec a MHz, ie, $454-462 \mathrm{MHz}$ or 458.486 MHz . No CDD's. 40 P 60265 Y Model TMR-8U $450-470 \mathrm{MHz}$...................Net 159.00 Crystal Certificate for TMR-sU. Fill out one for each crystal and send directly to crystal manufacturer.
40 P 82103 y


- 3 Models to Cover UHF, VHF High and VHF Low Bands
- Automatic Scanning with Any Combination of the 16 Available Channels
- Pushbutton Programmed Listening

Hear what is happening as it happens. .from a choice of 16 channels in the three action-packed FM Communications BandsVHF High, VHF Low, and Ulitra High Frequency. Scanning lights detail the search for active signals. When receiving a signal, it locks on and hears the action... then automaticaily resumes search. Each of the 16 channneis is pushbutton equipped to guickly program the channel in or ouf of service, as well as for fast programming to high, low, combination high/low, UHF, or a combination of all shree bands. Can be programmed for any comBination (al to eight channels) of Migh vHF Band ( $140-174 \mathrm{MHz}$ ), Low VHF Band ( 30.50 mHz ), or a combination of Hist and Low VHF Bands, and up to 8 channeis for UHF Band. Audio output: 5 watts; Sensitivity: VHF Low $0.5 \mu \mathrm{~V}$, VHF High $0.6 \mu \mathrm{~V}$, UHF 0.7 $\mu \mathrm{V}$. Supplied with silde controls for volume and background noise squeich, built-In $31 / 2$-inch speaker, detachable telescopic antennas for UHF and combination High/Low VHF FM bands, and remote speaker and external antenna terminals. Walnut woodgrain vinyl-clad cabinet. Size: $13 \times 14 \times 81 / 4^{*}$. Shpg. wt. $81 / 2 \mathrm{lbs}$. specity UHF and VHF Frequencies You Wish to Monitor. Frequency spread should not exceed a MHz each on UHF and VHF Might Bands. No COD's (Allow 3 weeks for delivery.)
TME-16 H/LL/U $450-470 \mathrm{MHz} / 148-174 \mathrm{MHz} / 33-39 \mathrm{MHz}$
40 P 60273 Y
.Net 219.00
TME. $16 \mathrm{~N} / \mathrm{LM} / \mathrm{U}$ 450-470 MHz/148-174 MH2/37-43 MHz
40 P 60281 Y
U 450-470 MHz/148-174 MHz/41-47 MHz
TMF. 16 H/LH/U 450-470 MHz/148-174 MHz/41-47 MHz
40 P 60299Y ......................................................................... 219.00 Crystal Certificate for above models. Fill out one for each crystal and send directly to crystal manufacturer. 40 P 82103 Y


Simultaneous Sequential Monitoring of 4 Channels
Each on Any 2 of 3 Bands!
$\star$ Listen to Police and Fire Calls on Any 2 of 3 Bands Simultaneously
$\star$ VHF, UHF or Low Band FM Interchangeable "Drop-In" Front-End Modules
$\star$ Front Panel Scan Rate Control

- Automatic Scanning Stops When a Signal is Received Continues Scanning After Transmission is Over
The DIGI SCAN $4+4$ exclusive bold flashing digital readout indicator automatically seeks a voice signal on any of eight programmed channels, four on each band. Olgital Readout indicates which channel is receiving and affer transmission is over automalically continues scanning. Enables accurate monitoring of Fire and Police, Local Government, Special Emergency, VHF/FM Marine, Weather, Industrial Radio and Land Transportation Radio Services. The DIGI SCAN $4+4$ permits simultaneous monltoring of four channels each on any two out of three bands, or single band monitoring over a double spread of 14 MHz (VHF, UHF) or 10 MHz (Low Band). Among lis many features are a front panel Scan Rate Control which speeds up or slows down the rate of scan; a front panel Priority Switch which when activated automatically samples your most important frequency (must be channel 1) every two seconds; individual Channel "Lock-Out" Switches for still further programmed Ilstening; and VHF, UHF, or Low Band interchangeable "Drop-In" Front End Modules for exceptional fexi. billty, economy, and ease of servicing. The DIGI SCAN $4+4$ also features a pushoutton switch for selecting automatic or manual scanning mode; a built-in speaker plus external speaker jack, and PL-259 antenna jack.
Supplied complete with AC and DC line cords and mobile mounting bracket. Sire: $9 \mathrm{~W} \times 3 \mathrm{y} / \mathrm{MH} \times 7^{\text {H }} \mathrm{D}$. For 117 VAC, 60 Hz and 12 VDC. Shpg. Wt. $81 / 2 \mathrm{lbs}$. Imported. Less crystais. For Diti SCAN $4+4$ Dual Band Dperation the highest frequency ordered for each land must be ne more than 5 MHz above the lowest prequency ordered in the 30.50 MHz Band, aor mere than 7 MMz in the 147.174 MHz and $450-470 \mathrm{MHz}$ bands. Please specity the Irequencios you wish to

40 P 691262
40 P691342
40 P 691422 crystal mifr.
40 P 82103 Y

* Front Panel Priority Switch
$\star$ Individual Channel "Lock-Out" Switches
$\star$ Digital Read-Out Indicates Channel Receiving a Signal
$\star$ Also An 8-Channel Double Spread ( 14 MHz or 10 MHz ) Single Band Monitor Receiver
- Manual Channel Selection - Variable Squelch Control - Sensitivity: $0.5 \mu V, 30$ DB Quieting (UHF=0.7 V ).
monitor (up to 4 for each band) indicating the mpierity frequency (your most important frequency). HO con's.
For VHF ( $147-174 \mathrm{MHz}$ ) + Low Band ( $30-50 \mathrm{MHz}$ )
For VHF ( $147-174 \mathrm{MHz}$ ) + UHF ( $450-470 \mathrm{MHz}$ )
$\qquad$
For UHF ( $450-470 \mathrm{MHz}$ ) + Low Band ( 30.50 Mmz )
2 Hiz) + ............ . 50 Mue

$\qquad$ Net 199.95 Bont..........Net 199.95 you monltor frequencies within two 7 MHz spreads on UMF or VHF and within two 5 MHz spreads on Low Band. Spreads do not have to be immediately adjacent to each other. Specity your most th. pertant fromuency which is ahways channel if and the additiomal irequescies you wish to manitor. No COD's.
40 P 691582 For Low Band 10 MHz Spread ( $30-50 \mathrm{MHz}$ ) Net 189.95 40 P 691672 For VHF 14 MHz Spread ( 147.174 MHz )..... Net 189.95 40 P 691752 For UHF 14 MHz Spread ( $450-470 \mathrm{MHz}$ )..... Net 209.95 Interchangeabie "Orop.In" Front End Modules for Digl-Scan $4+4$ and Digi Seaw . Shpg, wt., 6 oz . Imported.
40 P 690352 (For $30-50 \mathrm{MHz}$ ( 5 MHz Spread) ........Net 14.95 40 P 690432 For 147-174 MHz (7 MHz Spread) ....Net 14.95 40 P 690502 For $450-470 \mathrm{MHz}$ ( 7 MHz Spread) .......Net 24.95 Crystal Certincate for Digi Scan $4+4$ and Digi Scan 0 . Fill one out for each additional frequency you wish to monitor and send to

40 P 2103 Y .,...an.....................................................Net ea. 5.95

## UNIMETRICS DIGISCANB FM/VHF and FM/UHF Monitor Scanners

## As Low As $149^{95}$

No Money Down*

## 3 MODELS

Low Band VHF/FM $\quad 30.50 \mathrm{mhz}$
High Band VHF/FM- 147.174 mHz
UHF/FM- $450-470 \mathrm{mHz}$

- Listen to Police and Fire Calls on Any of 3 Bands
- Manual Channel Selection; Variable Squelch Control
- Will Operate on 12 Volts DC or 117 VAC

MHz UHF band. When ordering spectity the frequancies you wish to menitor. No COD's. The highest frequency ordered must be no more than 5 MMz above the towest frequency ordered in the $\mathbf{3 0} 0.50 \mathrm{MHz}$ rante, nor more than 7 MHz in the $147-174 \mathrm{MHz}$ and $450-470 \mathrm{MHz}$ rantes.
40 P69001z Digi Scan-8 for 30.50 MHz ( 5 MHz Spread) ...... 149.95
40 P 690192 Digi Scan-8 for $147-174 \mathrm{MHz}(7 \mathrm{MHz}$ Spread) ... 149.95 40 P 690272 Digi Scan-8 for $450-470 \mathrm{MHz}$ (7 MHz Spread) .... 164.95

## POLICE AND FIRE SOLID-STATE MONITOR RECEIVERS

## T $\sim \int$ MICRO P-100A ( 148 -174 MHz) <br> MICRO P-50A ( $30-50 \mathrm{MHz}$ )

NOW . . . with Even BETTER Noise Limiting!
Tuneable Plus 2 Crystal Positions


Base: For Home, Office, etc.
Micro P-50A, Micro P-100A, and Micro P-450 with HB 509A


Micro P-450 with HB-512


Base: For Home, Office, etc.

## Only $89^{95}$

 No Money Down*- Self-Contained 117 Volt AC and 12 VDC Supply
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 public service communications on Lafayette"s "Micro" monitor receivers. Monitor the U.S. Weather forecasts and disaster warnings on the Miero P-100A $\ddagger$. Their compact size $\left(13 / 4 \mathrm{H} \times 47 / 9 \mathrm{~W} \times 73 / \mathrm{g}^{\prime \prime} \mathrm{D}\right)$ permits convenient mobile and base operation. Exceptional features include tuneable plus 2 crystal receive positions. sensitivity of $0.7 \mu \mathrm{~V}$ for the Micro P-50A and 1 $\mu \vee$ or less for $20 \mathrm{db} S+N / N$ for the Micro P-100A. 3 ceramic if filters for superior selectivity, variable squelch, 2 -watt audio output, and professional styling with an attractive illuminated dial.
- Hear U.S. Weather Forecasts on Micro P-100A $\ddagger$
Advanced design circuitry for supefior limiting and noise reduction. The weaker stations are heard more clearly than ever. The Micto P-50A and Micro P-100A include built-in fused 12 VDC (neg. ground) and $117 \mathrm{VAC}, 60 \mathrm{~Hz}$ supplies, power cables and mounting bracket. Easy portable operation with optional power pack. Imported. Shpg. wt., 5 lbs.
Micro P-100A ( 148 -174 MHz)
99 P26197W
0-50 MHz)
Micro P-50A ( $30-50 \mathrm{MHz}$ )
99 P 26189 W
Net 89.95
$\ddagger$ Consult your local weather b..........Net 89.95 tion in your area.
see Bclow for accessories.


## MICRO P-450 (450-470 MHz)

## Only $89^{95}$ <br> No Money Down*

- Self-Contained 12 VOC Supply
- Operates on 117 VAC with Optional HB-512 Base Power Supply


Mobile: For Car, Truck, Boat, etc.

## Tuneable Plus 2 Crystal Positions

Same monitor receiver as Micro P-50A and P-100A except for $450-$ 470 MHz . Has sensitivity of $1 \mu \mathrm{~V}$ or better, and operates on 12 VDC (neg. ground) as is, of 117 VAC 60 Hz with an optional AC supply. In-
cludes power cables and mounting bracket. Slze: $17 / 4 \mathrm{H} \times 47 / 8 \mathrm{~W} \times$ $73 / \mathrm{a}^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., 5 lbs .
99 P 25843 W Micro P. 450 ( 450.470 MHz )

## ACCESSORIES FOR MICRO P-50A, MICRO P-100A, and MICRO P-450

HB-509A Portable Battery Pack with shoulder strap, battery strength meter and antenna. Less batteries. Shpg. wt., $31 / 2 \mathrm{lbs}$. 99 P 32260 For Micro P-50A, P-100A, and P-450 ....Net 23.50 Alkaline Batterles for HB-509A (8 req.): Shpg. wt., 4 oz. ea. 99 P 63802 ......................................................................... Net ea. . 52
Alternate Nicad 8atteries for HB-509A (10 req.) 32 P 48887 Shpg, wt., 5 oz . ea.

HB-512 AC Supply permits operation of Micro P-450 on 117 volt AC 60 Hz and charges nicad batteries used in HB-509A.
99 P 32278 Shpg. wt., 5 lbs.

40 P 82103 Y No C.O.D.'s
Net ea.
5.95
MONTOR $= \pm= \pm=$

# LAFAYETTE POLICE AND FIRE DUAL BAND SOLID STATE FM RECEIVER <br> 2 RECEIVERS IN 12 BANDS: $: \frac{30.50}{14.174 \mathrm{Mmz}}$ <br> Crystal Positions In Each Band 



Model PF-200A

our103 ${ }^{00}$
Down*

- 117VAC and 12 VDC
- 2 IC + 1 FET + 19 Transistors + 10 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


## CRYSTAL CONTROL PLUS TUNEABLE RECEPTION

Lafayette's superb dual band. FM monitor receiver has been especiatly engineered for outstanding performance and dependabillty. The PF-200A covers both the high and low VHF communications bands, is fully tuneable and can be crystal controlled for reception of any two frequencies in eifher 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-200A features a Mighly sensitive superheterodyne circuit that includes tunied RF and mixer stage with $F$.E.T. Cor excellent sensitivity throughout the complete band, 3 ceramic IF filters for exceplional selectivity, and an integrated circuit for efficient FM detection. Its $100 \%$ solid-state design offers top reliability and instantaneous monitoring 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 low and high bands, 2 selector switches for Xtal or tuneable reception, one for each band, and a variable squelch control that lets you silence the receiver during no signal conditions. The PF-200A is also distinguished by professionally designed neatly contrasting front panel. knobs and enclosure. A large built-in speaker, an erternal phone jack for private listenling and a tape recorder output iack are aiso included. Size: $133 / 1 / \mathrm{W} \times 713 / 320 \times 4^{2} 1 / / 5 \sim H$. Shpg. wt. $11 \mathrm{~V} / 4$ ibs. Imported. 99 P 26171 Less Crystals, See Below for Crystals....... Net 103.00 Ground Plane Antennas. Shpg. wt., 4 lbs.
$40 \mathrm{P} 01178 \mathrm{~W} 30-50 \mathrm{MHz}$
Net 9.50 40 P O1150W $130-174 \mathrm{MHz}$ plus $\mathbf{4 5 0 . 4 7 0 \mathrm { MHz } \text { .........Net } 7 . 5 0}$

## AFAYETTE DOLCE AND FIOE S-BAND FM RECETVER

3 BHNDS: $\begin{aligned} & 30-50 \mathrm{MHz} \\ & 144.174 \mathrm{MHz} \\ & 450-470 \mathrm{MHz}\end{aligned}$


ONLY 4095

No Money Down"

## CRYSTAL CONTROL PLUS TUNEABLE RECEPTION

- For 117 VAC Base Station and 12 VDC (Negative ground oniy) 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, $144-174 \mathrm{MHz}$ VHF band and $30-50 \mathrm{MHz}$ low band. The PF. 300 is fully tuneable and can be crystal controlled on two frequencies on VHF, and on low band or UHF: or on two VHF, one UHF and one low band frequencies. Receives U.S. Weather Bureau reports on 162.55 MHz . in parts of the country where they are broadcast. May be tuned to either wide or narrow-band razor-sharp selectivity. Front panel features targe tuning dials-one for $144-174 \mathrm{MHz}$ and one for $30-50$ and 450.470 MHz ; concentric selector switches that select the desired band and selectivity; switches for crystal or tuneable reception for each band; and variabie squelch control that sllences the receiv-
er during no-signal conditions. The PF- 300 also features a large Dufltin speaker, phone jach for private listening, tape recorder output jach, and UHF, VHF and Low Band antenna jacks. A built-in universal power supply permits operation on 117 VAC and 12 VDC (negative


99 P 26163 wx Less Crystals. Shpr. wt., 11 数 ibs. Net 179.85
Ground Plane Antennas. Shog. wt., 4 lbs.
$40 \mathrm{P} 01178 \mathrm{~W} 30-50 \mathrm{MHz}$
Net 9.50
40 P D1160W $130-174 \mathrm{MHz}$ ptus $\mathbf{4 5 0 - 4 7 0 \mathrm { MHz } \text { ...... Net } 7 . 5 0}$

## UNIMETRICS Marine Electronic Equipment And Accessories

## Deluxe SEAVoX-25 12 Channel 25 Watt Solid-State

## VHF/FM Marine Radiotelephone

 front Panel "Priority" push button for instant monitoring of U.S. Government E.S.S.A. marine weather stations or any other preselected channel. 25 watt output 12 channel radiotelephone VHF/FM operation from 156 to 162.55 MHz . Variable squelch and built-in speaker. Special low power 1 watt level for hartor operations. operates on 13.8 volts negative ground DC. Self contained power supply and remote control provisions. Supplied with the following frequencles: CHANNEL $6-156.3 \mathrm{MHz}$. Intership Safety Channel CHANNEL $16-156.8 \mathrm{MHz}$. Intership and Ship-To-Coast Safety and Calling Frequency, CHANNEL WX -162.55 MHz . Official U.S. Weather Bureau 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 cabinet with corrosion resistant components. 31 transistors, 15 diodes. 11 C and 1 FET. Supplied wlih heavy duty mounting bracket, push-to-talk microphone. DC cable. and three crystals. Size: $90 \times 9 \mathrm{~W} \times 31 /{ }^{1 / H}$. Imported. Shpg. wt., 8 lbs. 40 P 69076W ..................................................................Net 469.95
Additional Transmit and Receive Crystals For Shipboard Use Specify Channel. Allow 3 weeks for Delivery.
40 P 69084 YZ
Net Per Pair 13.50

## SHAKESPEERE MARINE VHF-FM FIBERGLLASS ANTENNAS

$45{ }^{\text {m }}$

- For Wood Fiberglass. or Metal Boats Money Down* * 3db Gain $1 / 2$ wave center-fed white fiberglass marine antenna. Needs no ground plates. Power rating 50 watts. Frequency range 156-163 MHz . 52 ohms impedance. Height 5 ft . May be deck or side mounted. With 20 ft . cable and PL-259 connector. Shpg. wt., 2.3 lbs . 40 P 27033

Net 45.00
Same as above, except for mast mounting and $60-\mathrm{ft}$. cable. Shpg. wt.. 2.7 Ibs. No Money Down* 40 P 27041
et 45.50

## UNMETRICS SEADEEP <br> DEPTH NNOCCATOR with <br> Built-In Depth Alarm

$129^{95}$
No Money Down*


- Indicates Depths 0 to 200 Ft .
- Depth Alarm Sounding $1 / 2$ to 40 Ft .
- Operates on 8 "C" Cells or 12 Volt DC Negative Ground Reduces the risk of running aground. Builtin buzzer alarm system may be preset to any depth from $11 / 2$ to 40 ft . For use with any type of vessel, either power or sail. Watertight corrosion resistant construction. 1,440 soundings per minute or 24 per second. Unit size: $6 \times 61 / 2^{\prime \prime} \times 61 / 2^{\prime \prime}$. Transducer: $21 / 2$ dia. $\times 61 / 4^{\prime \prime}$ long. Imported. Shpg. wt., $41 / 21 \mathrm{lbs}$.
40 'P 69100 Less batteries ..Net 129.95 ${ }^{4} \mathrm{C}$ " ${ }^{\text {Batteries for Portable Use ( } 8 \text { req.) }}$ 99 P 62572


## UNIMETRICS SEACALL 70 Watt Power Hailer and Listening Device

- Automatic and Manual Fog-Horn
- Intership Intercom Facilities
- Separate Intruder Ałarm Switch

Designed to be used for voice communication between vessels separated by fog, darkness, distance, noise or inclement weather, or for communication with marina when docking. Sounds a continuous fog horn signal every 3 seconds. Also features intruder alarm provisions. Auxiliary input for tape player, FM tuner, etc. Watertight construction, 30 watt projector/speaker has $90^{\circ} \times 120^{\circ}$ dispersion. Size: Speaker, $11 \mathrm{H} \times 61 / 2 \mathrm{~W} \times 81 / 2^{\prime \prime} \mathrm{D}$; Hailer Amplifier. $31 / \mathrm{sH}^{\prime} \times 9 \mathrm{~W} \times 9^{\prime \prime} \mathrm{D}$. Imported.
40 P 69092 W Shpg. wt., B lbs. Net 185.90

## UNIMETRICS PORTA.LUX <br> HAND-HELD POWER LIGHT

## $34^{95}$

No Money Down*

- Quartz lodine Bulb
- Stainless Steel Housing - 15 ft . Self-Coiling Cable

Utilizes the revolutionary new quartz iodine bulb that is 3 X 's brighter and lasts $21 / 2 \mathrm{X}$ 's longer than the conventional sealed beam. Capable of projecting a brilliant beam of light more than $3 / 4$ of a mile. Corrosion proof stainless steel housing. Wide $6^{\prime \prime}$ diameter face. Plugs into cigarette lighter. Rubber covered on/off switch. Only $21 / 2^{\prime \prime}$ deep. Oper. ates on any 12 V DC system. Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$.
40 P 69183
Net 34.95
$19^{95}$
With Battery and Earphone

- Accurate Navigation

Day or Night
An all-in-one navigation system at a low, low price that boaters, fishermen, hunters, hikers, and pilots can now easily afford. Operating on the broadcast band you can home in on stations, fix your position, or correct your course-to compensate for drift, current or detours. Features fluid compass with azimuth points marked in $5^{\circ}$ increments. Large rotating outer azimuth ring marked in $1^{\circ}$ increments. Operates on inexpensive 9 volt battery (included). Includes earphone for private listening. Solid-State Circuitry Shpg. wt., $21 / 2$ tos.
42 P 21099 L
Net 19.95
Extra 9 V battery for above.
99 P 60212
Lafayette Cat. No. 730
431

## Amateur Station and Antenna Accessories



Drake TV-1000LP Low Pass Filter

(E)


Ameco MP45 Migh Pass Filter

(D)

Johnson 250.39 TR Switch

(F)
$29^{95}$

## AMATEUR CRY AMATEUR CRYSTAL PURCHASE CERTIFICATE PURCHASE CERTIFICATES



Send filled out certificate, one for each crystal, to manufacturer. Manufacturer will ship crystal directly to you, postage daid. Available in types FT-243 and HC-17/U (pin diam., .093"), and HC-6/1) (pin diam., .050"). Pin spacing $.486^{\prime \prime}$ for all types. Tolerance $\div 500 \mathrm{~Hz}$ at designated frequency. No C.O.D.'s-allow 30 days for dellvery. Specify exact frequency with your order. Specify FT-243, HC-17/B or HC.6/U type on Certificate.
40 P 54011 Y 3500.4000 kHz Net 2.95 40 P 54029 Y $7000-7425 \mathrm{kHz} \quad$ Net 2.95 $40 \mathrm{P} 54037 \mathrm{Y} 8.8 .2 \mathrm{MHz}, 8.33-8.9 \mathrm{MHz}$ Net 2.95

## CRYSTAL SOCKETS

These Steatite insulated sockets will strongly hold the crystal contacts. Can be used for chassis or for panel mounting. The bushing will project through a round hole in panel. Av. shpg, wt., 2 oz.

stock No. Type Pin Spacing Each | 40 P 37123 | CS-8 | $.125^{\prime \prime}$ | $.750^{\prime \prime}$ | .45 |
| :--- | :--- | :--- | :--- | :--- |
| 40 P 37131 | CS 6 | $095^{\prime \prime}$ | $496^{\prime \prime}$ | 45 | $\begin{array}{lllll}40 \text { P 37131 } & \text { CS.6 } & .095^{\prime \prime} & .486^{\prime \prime} & .45 \\ 40 \text { P } 37149 & \text { CS-5 } & .125^{\prime \prime} & .500^{\prime \prime} & .45\end{array}$ 42 P 09011 CS-7 . $050^{\prime \prime} .486^{\prime \prime} .45$

## CRYSTAL. HOLDER ABAPTERS

Mosley $5-75$ adapts $1 / 2^{\prime \prime}$ spaced holder to $3 / 4^{\prime \prime}$ spacing. Shpg. wt., 2 ozs. 40 P 58046
..Net .75 Mosley $75-5$ adapts $3 / 4^{\prime \prime}$ spaced holder to socket with $1 / 2^{2 \prime \prime}$ spacing to octal socket. Shpg. wi., 2025.
40 P 58053
Net 75
(A) LAFAYETTE Coaxial Antenna Switch-Instantly selects any one of five transmitters, antennas, exciters, receivers or transceivers using 52 of 75 ohm line. Single gang, single pole. Unused positions grounded for static eliminatlon. Rated 1 KW . Shpg. WL, $3 / 4 \mathrm{lb}$.
40 P 01228 ..................................................................... 10.95
(8) B\&W 425 Low Pass Filter-usable with transmitters to 1 -KW. Completely self contained-éliminates TVI. 85 db attenuation. For 52 ohm coax. Shpg, wt. 2 lbs.
40 P 16095
Net 24.95
(C) Drake TV.1000LP Low Pass Filter-handies $1 \mathrm{KW}: 160-10 \mathrm{M} .200$ watts on 6 meters. Shog. wt., 2 lbs.
40 P 65140
Net 18.75
40 P 65132-Erake 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., 3 oz .
40 P 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. TR relay 750 w PEP with directional coupler. Shpg. wt.. $93 / 4 \mathrm{lbs}$.
40 P 46082 -No Money Down*
Net 94.95
(F) Johrson 250-39 TR Switch-Provides Instantaneous high efficiency electronic antenna switching. Rated at 4KW. Instant break-In on SS8, OSB, CW, and AM. Shpg. wt., $41 / 2$ lbs.
40 P 46181
Net 29.95
(G) W2AU BROAG BANDS BALUNS-A Transmitter and recelving balun with built in lightning arrester, and stalniess steel hardware. Properly balances all coax fed antenna systems. Handles 1 KW AM/CW, 2KW PEP. Completely weatherproof, withstands 650 lbs. of antenna tension.
BALUN 1-1:1 model matches 50 or 75 ohm unbalanced to 50 or 75 ohm balanced load. Shpg. wt., $3 / 4 \mathrm{lb}$. 40 P 47023

Net 12.95
BALUN II-4:1 model matches 50 or 75 ohm unbalanced coax line to 200 or 300 ohm balanced 10 ad . Shpg. wi., $3 / 4 \mathrm{lb}$.
40 P 47031
Net 12.95
(H) Solderless PL-259 Low-Loss Coaxial Connectors.-Two types-Fits either RG58/U or RG59/U cable. Quick, easy connections. No fuss, no bother. no adapter, no soldering required. snpg. wt., 4 oz . 42 P 69106 Solderless PL259 for RG58/U Cables ........ Net ea. . 79 42 P 69114 Solderless PL259 for RG59/U Cable

Net ea. 79

# Mobile Ham Antennas - Shortwave Antennas and Accessories <br> LAFAYETTE 6 METER MOBILE ANTENNA <br> NEW-TRONICS "HUSTLER" MOBILE ANTENNAS FOR 10-15-20-40-75 METERS 



- "Rapid-Grip" Mount Provides Permanent Antenna Installation in Seconds Without Drilling Holes


## only $12^{95}$

Features waterproof base loading phasing transformer, 43" stainless steel whip with fine tuning adapter, and cad.-plated "Rapid-Grip" trunk mount with water resistant seal. Offers ideal omnidirectional signal pattern. Mounts on trunk lip without drilling. Less coaxial cable.
40 P 01095 Shpg. wt., $13 / 4$ ibs.
Net 12.95

## ANTENNA SPECIALISTS 2 METER MOBILE ANTENNAS

- 3db Gain • 144-148 MHz

Low profile 2 meter antenna with $5 / 8$ wavelength high conductive stainless steel whip coated with copper and nickel for high conductivity. Rated 100 watts; VSWR $1.5: 1$ or better; 50 ohms nominal imp.; molded plastic coil base with silver plated contacts; $54^{\prime \prime}$ max. incl. spring and base. With $17^{\prime}$ RG-58/U cable and PL-259 connector. Roof mount requires $3 / 8$ " hole. Trunk $m t$. ant. includes cad.-plated "Quick Grip" trunk lip mount for "no holes" installation.
40 P 13272 Roof-Mount Antenna. Wt., 13/4 lbs...... Net 22.95
40 P 13280 Trunk-Mount Antenna. Wt., $21 / 4$ lbs.... Net 26.95

- 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 five resonators has a coil specially designed for maximum radiation for a particular band. Center frequency tuning is by means of an adjustabie stainless steel rod in the resonator assembly. The 54 -inch fold-over, heat treated, $1 / 2^{\prime \prime}$ aluminum mast permits instantaneous interchange of resonators for the desired band. SWR is less than 2 to 1 for any center frequency within each band. Power Rating: AM input 75 watts; SSB input up to 400 watts PEP. Mast has $3 / 6^{\circ \prime}-24$ base stud to flt all standard mounts.
Stock No. Model Description Wt. Net

40 P. 55018W M0-1 54" Mast Fender Mount 2 Ibs. 12.50 40 P 55026W M0-2 54" Mast Bumper Mount 21/4 lbs. 12.50 40 P $55034 \quad$ RM-10 10 Meter Resonator 1 lb. 8.50 40 P 55042 RM-15 15 Meter Resonator
40 P 55059 RM. 2020 Meter Resonator 40 P 55067 RM-40 40 Meter Resonator 40 P 55075 RM-75 75 Meter Resonator

## 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 op cannot be used. Provides broadband performance comparable with other larger installations. Consists of one 9 foot aluminum tubular element with a universal mounting bracket and feedline. Simple to install. Answers the problems of apartment dwelling SWL's.
40 P 31183 W Shpg. wt., $31 / 4 \mathrm{lbs}$.
.Net 9.95


## HY-GAIN SW-6 SHORTWAVE ANTENNA



695
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 all provide excellent reception. Con
the eaves, in the attic ttached at both ends to low-loss sty rene insulators. 15' $^{\prime}$ weather-proof rope on each insulator, plus leadin feedline. Shpg, wt., 2 lbs. 40 P 31175

# MOSLEY MODEL SWV-7 FIXED VERTICAL SW ANTENNA 

## Only $40^{00}$ - 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 coverage for top DX performance. Antenna incorporates only the finest alloy aluminum tubing, telescoped and swaged to reduce wind vibration. Moided plastic cap prevents water from entering element. Height: 13,35 / $^{\prime \prime}$. Ground is required. Shpg. wt. 8 lbs.
$40^{\circ}$ P 58095 W No Money Down* $\qquad$ .Net 40.00

## ANTENNA DUMMY LOAD

- 100 Watts Continuous, 1250 Watts with Fan Cooling
- 52 Ohm Load
ony $17^{75}$
A must for troubleshooting your 1/g. 52 ohm non-Inductive load for easy RF power checks. Freq. Range: 0-100 MHz. 1.020 VSWR



## HUSTLER MOBILE "MONITOR-MATCH" BOX



## Matches 5 Bands With Your Car Antenna

Now you can monitor 5 bands with your regular outside mounted or windshield car antenna! The 'Monitor-Match' with your car antenna accomplishes the functions of five antennas through electronic Isolation and Impedance matching, Optimized performance is provided in separate outputs for AM/FM Radlo, UHF 300-500 MHz, High Band Pollce $140-175 \mathrm{MHz}$, and Low Band Pollce 25.50 MHz. Supplied with cables for AM/FM radio and monitor recolver. Size: $1 \% \mathrm{BH} \times 37 / \mathrm{BWx}$ 13/4"D. Shpg. wt., 1 lb.
40 P 55158
Net 12.95

## 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 (especlally Indoor types) to operate efficiently on many frequencies. Greatly improves reception by increasing receiver sensltivity 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, Aviation and als other high-frequency services. 42 P 21073 Shpg. wt., $1 / 2 \mathrm{lb}$. ....Net 9.95


## LAFAYETTE 5 POSITION COAXIAL SWITCH

ONLY


- 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 Iline. Single gang, single pole with positive ground. Rated 1 KW amplitude modulated. All positions not in use are grounded for static elimination. Long life, low loss ceramic switch. Complete with contrasting pointer knob and bracket for wall or panel mount.
Size: $41 / 2 \times 35 / 8 \times 35 / \mathrm{B}^{\prime \prime}$. Shpg. wt., $3 / 4 \mathrm{lb}$.
40 P 01228

# Amateur Base Station Antennas and Accessories 

## LAFAYETTE ALL-BAND VERTICAL

 TUNEABLE 10 TO 80 METERS ANTENNA

\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'; knocks down to only $5^{\prime}$. Uses $31 / 2^{\prime \prime}$ diameter air wound coll as matching inductor. All steel palts irridite treated to inhl Specs. Impedance 52 ohms :iáximum power 1000 watts AM or cui- 2 KW PEP. Omni-directiona!; vertically polarized.
40 P 01046W Shpg. wt., $41 / 2$ lbs. Net 15.95

## CUSHCRAFT "TRIK STIK" ANTENMA

## $8^{95}$ <br> 5

- For Amateur, SWL, TV, FM, Business Radio, CB, VHF Low and High band monitor, Aircraft Reception
Universal antenna deslgned for vertical or horizontal mounting. All aluminum construction. Supplied with U-bolt, bracket, and hardware for mounting on a mast or tower. Can also be mounted to a building using nalls or screws. 2-54" element sections, 2.51" element inserts, $23^{\prime \prime}$ support boom. Complete instructions for froquency settings.
40 P 19188 w Shpg. wt., $23 / 4$ fbs.
Net 8.95


## HY-GAN 18 AVT/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 seamless aluminum. Dellvers out standing wide band omni-directional performance. Automatic band switching is accomplished by using three beefed.up HY-Q traps. Features top loading coll; $1 / 4$ wave
resonance on alf bands; SWR of $2: 1$ or less; low radation angle on roof or ground mounted. Antenna height 25 ft . Wt., $161 / 4 \mathrm{lbs}$.

## 40 P $31290 W$

## Net 59.95

MODEL 14 AVQ/WB 10 THRU 40 METER HY-Q TRAP VERTICAL ANTENNA Seff supporting. heavy duty aluminum automatic band switching vertical delivers omnd-directional performance on 40 through 10 meters. HY-Q traps for $1 / 4$ wave resonance on all bands. Low radiation angle. $12^{\circ}$ double grip mast bracket insures rigidity whether roof or ground mounted, 18 ft . high. Wt. $91 / 4 \mathrm{lbs}$. No Money Down*
40 P 31308 W
Net 39.95
ROOF MOUNTING KIT FOF 14 AVOIWB inciudes 5 ft . mast, roof mount, ground plane radial wires, insulators, and all necessary hardware. Shpg. wi., 8 lbs.
40 P 31050W
....................................... 19.95

## $59^{95}$

No Money Down*


## HY-GAIN BN-86 BROAD BAND FERRITE BALUN

\author{

- For Use With 10-80 Meter Beams, Antennas And Doublets <br> - Impedance 1:1 at 52 Ohms
}

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 DC. Weatherproof construction and built-in mounting brackets. Shpg. wt., $11 / 4 \mathrm{lb}$.
40 P 31282
Net 14.95

## DELUXE MOSELY TA SERIES BEAM ANTENNAS FOR 10, 15, 20 METERS

Deluxe Model TA 33. 3-element beam providing up to 8 db gain on the 10 , 15 and 20 meter bands. Trap design provides broadband performance and stablity-beam easily handles a fuil kilowatt of AM signal. 25 db front-toback ratio, SWR 1.1/1, or less, at resonance. Beam length 14 ft ., element length 28 ft . Shpg. wt. 39 jbs , 40 P 58020WXY No Money Down*
$\qquad$ Net 143.30 moder Ya-33 "Junior," similar to abnot, but onjy 300 watts AM. Boom length 12 ft., Element lenctit $26^{\prime} 8^{\prime \prime}$, Shpg. wt., 25 lbs.
60 P 58038 wxy ivo Money Down* $\qquad$ Net 100.00
Delixe Model Tas6 6 Element Beam. Automatic band swifching through high impedance parallet 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 P 58079 WXY No Money Down*
Net 185,10

## CUSHCRÂFT 2 AND $\mathbf{D}_{\alpha}$-METER FM RINGO ANTENNAS

AR-2 2-METER 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, low angle of radiation, and direct DC ground. Takes PL-259 fitting. Factory preassembled and ready to install. Takes up to a $11 / 4^{\prime \prime} 0.0$. mast. $42^{\prime \prime}$ length at 147 MHz . ( $1 / 2$ wave length). Supplied with chart for setting to frequency. 100 watts. Shpg. wt., 2 lbs .
40 P 19253 135-175. MHz
Net 12.50
AR-6 6-METER FM RINGO ANTENNA. Same as AR-2 except for 6 -meters ( 50.54 MHz ). Shpg, wt., 4 lbs.
40 P 193035054 MHz
.Net 18.50

## CUSHCRAFT BEAM ANTENNAS <br> FOR 2 and 6 METERS

Model A50-5 5-Ejement, 6 Meter 8 eam. Deluxe, rugged, full size, constructed of $3 / 4^{\prime \prime} 0.049$ wall aluminum tubing. Boom is 0.058 wali drawn aluminum. Driven element is "Reddi" matched for direct coax feed. Light enough for any heavy duty TV rotator. Turning radius- $7^{\prime} 6 "$; Forward Gain- 9.5 db ; F/B ratio- 29 db . Comes with all parts marked for quick, neat assembly and center band operation. Shpg. wt., 12 los.
40 P 19121 W
Net 29.50
Model 4144.4 4.Element, 2.Meter Yagi. 9 db forward gain. F/B ratio 20 db . Boom length $4^{\prime \prime}$. Rear bracket for mast or tower side mount. 52 -ohm Reddi-Match takes PL-259 connector. 1000 watts. Wt. 3 lbs. 40 P 19279W 146-148 MHz ..............................................Net 9.95
MOOEL A144-7 7 ELEMENT 2.METER BEAM. Full size. Aluminum tubing. Beam length, 98". Forward gain 11 db F/B ratio 26 db . Shpg. wt., 4 lbs 40 P 19139 W

Net 13.95
Model A147.11 11-Element, 2.Meter Yagi. 13.2 db forward gain. F/B ratio 20 db . KW match for direct 52 -ohm coax feed, takes Pl. 259 connector. Boom length 144". Turning radius 7 it. Shpg. wt., 6 fbs. 40 P $19287 \mathrm{~W} \quad 146-148 \mathrm{MHz}$.

Net 17.95
Model 4147-22 22-Element, 2-Meter Yagi Array. Uses 2 A147-11 yagis with horizontal mounting boom, coax harness and hardware. Forward gain 16 db, F/B ratio 24 db . Size: $144 \times 80 \times 40^{\prime \prime}$. Turning radus $60^{\prime \prime} .52-0 h m$ feed takes PL- 259 fitting. 1 KW . Wt., 14 lbs.
40 P $19295 \mathrm{~W} \quad 146-148 \mathrm{MHz}$.
.Net 49.50

## DELUXE CORNELL-DUBILIER HEAVY-DUTY ANTENNA ROTORS

 As LowAs

- Heavy Duty Construction
- Indicator Calibrated in Compass Points


MOOEL TR-44 ANTENNA ROVOR 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. Indicator is caliorated in compass points and $3^{\circ}$ increments. Double stage switch allows meter reading while motor is off. For mast or pipe to $21 / 10$ " 0.0 . For $110-120 \mathrm{~V}$. 50-60 Hz . Less cable. Shpg. wt., 20 lbs .
40 P 83028W No Money Down*
Net 69.95
HAM M ANTENNA ROTOR-Heavy duty rotator. Meets all amateur radio appilcations. Supports antennas up to $\mathbf{1 0 0 0}$ Jbs. Uses same compass indicator unit as the TR-44, calibrated In $3^{\circ}$ increments. Heayy duty stainless steel gears and pinions, solenold brake release. For $110-120 \mathrm{VAC}, 50-60 \mathrm{~Hz}$. Shpg. wt., 26 lbs.
40 P 83010 No Money Down*
Net 129.95
100 ft . rolt of 8 cond. cable for TR-44, HAM-M Shpg. wt., $53 / 4 \mathrm{lbs}$. 32 P 14574 .......................................................................... 10.26

No Money Down* A low noise band pass preamplifier ruggedly constructed and enclosed, along with a spe. cially designed relay assembly, in a compact weather-proof housing with input and output S0-239 coax receptacles. When mounted close to antenna and when 10 to 15 VOC is applied to unit the amplifier is actuated on receive only providing a $\mathbf{2 - 3} \mathrm{db}$ noise figure and 14 to 18 db of gain. Requires $10-18$ VDC at 150 to 250 ma from transceiver or separate power supply for activation. Input and output impedance 50 ohms. Size: $51 / 2$ "L X $139^{\prime \prime}$ Diam, Shpg. wt., 1 lb . 40 P 68003

Net 47.50

## E. F. JOHNSON PHONE PATCH



## $25^{\circ 0}$

A compact automatic hybridtransformer type patch which accepts PIT, manual, or VOX keying. Separate recelver and transmitter input gain controls provide flexible operation without over drive. Effectively shielded and RF by passed to virtually eliminate RF feedback into the phone line. Switches audio from speaker to telephone headset for undistorted, humfree response. Adjustable "line null" control. Size: $2^{\prime \prime} W^{\prime} 6^{\prime \prime} \times 2 \frac{1}{2 \prime \prime} 0$. Shpg wt., $21 / 2$ Ibs. 40 P 46231 Model $250-46$ Patch Net 25.00
R. L. DRAKE POWER LINE FILTER
 Tape Recorders and P.A. Ampliflers Connects between a 50,000 ohm dynamic or high impedance ceramic microphone and microphone input connector without any wiring change. May be switched In or out of circuit and compression level can be easily adjusted. Input Impedance: 100 k ohms, nominal. Input Level: .005 to .020 volts. Voltage Gain: 10 db , nominal. Output Level: .060 volts, Output Impedance: 50 k ohms, nominal. Self-contained battery powered. Size: $23 / 4 \times 3 \times 41 / 2^{\prime \prime}$ Shpg. wt., $11 / 4 \mathrm{lb}$.
40 P 16291 Less Battery .........Net 29.95 9 volt battery (1 req.) 32 P 48077

## CLEGG 2 METER T/R BOOSTER

##  Fa $47^{50}$

As low as $71^{00}$

## R. L DRAKE FET CONVERTERS FOR 2 AND 6 METERS

Features low noise, improved cross modulation and overload performance, uniform gain across band, all solid-state circultry, zener regulated crystal oscillator for improved stability, improved image rejection and low spurlous response. Two crystals built-in. Slide switch allows selection of proper crystal for reception of 144 and 145 MHz (2 meters) or of 50 and 50.5 MHz ( 6 meters) segments of band with limited coverage receivers.
Model SC- 22 Meter Converter. Frequency Range: 144.148 MHz ; IF Range: $14.18 \mathrm{MHz}_{\text {; }}$ Supplied with 43.333 and 43.666 MHz Crystals; Power: Requires 15.18 Volts DC at 40 ma; Input and Output Impedance: 50 ohms; Gain: Nominally 20 db . Size: $63 / \mathrm{sL} \times 4 \mathrm{~K}_{4} \mathrm{~W} \times$ 2 ¹/2"H. Shpg. wt. 2 lbs.
40 P 65488 No Money Down* ......Net 86.00 Model SC-6 6 Meter Converter. Frequency Range: $49.5-53.5 \mathrm{MHz}$ down approx. 3 db at $54 \mathrm{MHz}_{\text {; }}$ if Range: 13.5 to $17.5 \mathrm{MHz}_{\text {; }}$ Supplied with: 36.0 and 36.5 MHz crystals; Power: Requires 15.18 volts DC at 40 ma; Input and output impedance: 50 ohms; Gain: Nominally 20 db . Size: $63 / \mathrm{oL}^{\mathrm{L}} \times 4 \mathrm{~K}_{\mathrm{s}} \mathrm{W} \times 21 / 2^{\mathrm{N}} \mathrm{H}$ Shpg. wt., 2 lbs.
40 P 65496 ... No Money Down * Net 71.00 Model CPS-1 Solid-State Power Supply. For use with SC-2 and SC-6 converters. Silicon diode bridge circuit. Power Output: 15 VDC at 100 ma . Size: $31 / 4 \mathrm{~L} \times 4 \mathrm{~K}_{4} \mathrm{~W} \times 2 \mathrm{~K}_{6}{ }^{\prime \mathrm{H}} \mathrm{H}$. Wt., 2 lbs . 40 P 65504

Net 19.75


Made especially for the Ham and short wave listener. 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. Stipg. wt., $21 / 2 \mathrm{lbs}^{2}$

Net 24.95

# WORLD TIME ILLUMINATED ELECTRIC WORLD CLOCK 



## - South Polar Projection

Self starting, accurate electric clock. Tells world-wide and local tIme. Calibrated in hours-1 to 24, time. Calibrated in hours- 1 to 24 ,
minutes and seconds- 1 to 60 . Black dlal with white graduations. Chrome plated case. U.L. Listed, $110-120 \mathrm{v}, 60 \mathrm{~Hz} \mathrm{AC}$. Shpg. wt., 2 lbs
${ }_{13}{ }^{2} \mathrm{P} 26024$
Net 10.95

## 24-HOUR TYMETER CLOCK

Only
$16^{00}$
Numeral type, 24 hour station clock. Self starting electric. Dome shaped full vision window. UL Histed motor and cord. For $110 \mathrm{~V}-60 \mathrm{~Hz}$. $4 \times 4 \times 734^{\prime \prime}$. Shpg. wt., $23 / 4$ lbs.
40 P 91021


## only $69^{25}$

Modern, international electric wall time clock, showing the local time in 70 key areas around the warld instantaneously and simultaneously 24 hours a day. Enlarged vivid time indicators for contlnental U.S. time zones. Clock automatically compensates for daylight savings time and indicates A.M. and S.M. hours. Set in handsome walnut frame. Illuminated. Powered by a heavy duty $115 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}$ clock motor. size: $151 / 2 \mathrm{H} \times 221 / 4 \mathrm{~W} \times 4^{\prime \prime} \mathrm{D}$. Shpg. wt., 15 lbs.
40 P 3001 1W No Money Down*
24 HOUR CALL-IDENT TYMETER CLOCK

- 10 Minute Repeat Timer $23^{50}$


24-hour direct reading dal shows minutes and hours. 10 -minute repeat timer buzzes warning to sign your call letters. Timer independently switched. Self-starting electric. For $110-120 \mathrm{~V}, 60 \mathrm{~Hz}$ AC. Walnut finish plastic case. Size: $73 / 4 W \times 4 H \times 4^{\prime \prime} \mathrm{D}$.

# Improve Your Amateur And CB Operating Effectiveness With LAFAYETTE Meters and Testers <br> SWR Bridge and RF Power Meter 

## 

- Measures Standing-Wave-Ratio in a Transmission Line
- Measures Up To 15 Watt Output Into a Built-In Dummy Load
- VSWR Measurement from 1:1 to 10:1 and Reflected Power to 1 KW
Highly accurate SWR and direct power readings up to 50 MHz . The unit may be permanently inserted in the transmission line for SWR and relative power monitoring. For 52 or 75 ohm lines. Insertion loss is negitgible. Meter has 50 ua movement: calibrated directly in watts from 0.15 and in SWR from 1 to 10 if (reads infinity alt full scale).. Housed in an attractive grey metal cabinet, $3 / / x$ $71 / 4 \times 23 / 9^{\prime \prime}$. Sits on 4 rubber feet. Imported. Shpg. wt., $23 / 4 \mathrm{lbs}$. 99 P 25082

Net 24.0s


## LAFAYETTE SWR And Field Strength Meter

## Only

## $10^{35}$

- Measures SWR, Relative Forward And Reflected Power to I KW
- Reads Field Strength

A handy 2 -in- 1 meter for use in the amateur radio station to check transmitters for SWR measurements, Can be left continuously in the circuit for monitoring transmitter outputs, SWR: $1: 1$ to $3: 1$; Accuracy $\ddagger 5 \mathrm{db}, 2$ to $30 \mathrm{MHz}_{\text {; }}$ Impedance: $\mathbf{5 2}$ Ohms; Antenna: $\mathbf{5}$-section collapsible. Comparative RF field strengths can be easily determined with this fine meter. Sensitive 100 micro-ammeter movement with easy to read 2 -color dial. Impedance matches 52 Ohm coaxial lines. Neatly designed attractlve case. Size: $1^{1 / 4, W \times 5} / / \mathrm{BH}^{23} / 4^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., 1 1b. 802.
99 P25835
Net 10.95
R.L. Drake W-4 RF Wattmeter


- Frequency Coverage:
$1.8-54 \mathrm{MHz}$.
No Money Down ${ }^{*}$

Reads forward and reflected power oirectly 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 scale.


Net 61.95

## Miniature Illuminated " $\varsigma$ " 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 readability. Zero adjustment screw on front panel j lewelled bearing movement. Calibrated in " S " units from 0.9 with the scale terminating in +10 and +30 calibrations. Additional fuli scale calibrations of $0-5$ and $0-10$ in linear scale divisicns. Silivered dials; black numerals and pointers. Illuminating lamp for elther 6 or 12 voit operation. $1 \% \mathrm{a}^{\mathrm{m}}$ dial face, $11 / 4 "$ overal behind panel. Supplied with mounting screws.
imported. Shpg. wh Imported. Shpg. wt., $1 / 2 \mathrm{lb}$.

## P 25132

Miniature Illuminated Modulation " S " Meter


- Combination "S" Meter, \% Modulation Meter and RF Power Output Meter
- Accurate D'Arsonval Movement
- Jewel Bearings

Highly accurate. Features wide viewing angie and 3 -color scale. Front panel zero adjustment. Calibrated scales (1 MA full scale), 0 to $100 \%$ modulation, " $\$$ " units $0-9$, also +10 and +30 . Linear full scale markings of 0 to 5 . Dimensions: dial face, $15 \mathrm{~g}^{\prime \prime}$; depth $11 / 4^{\prime \prime}$ overall. Supplied with 4 mounting screws and lugs. For 6 or 12 volts. Dust resistant case. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$.

Provides all you need to get the most out of your transmitter. Absorbing negligible power, this Inline unit will continuously monitor radlated power. Range selector switch allows monitoring on ranges of $0-10,0-100$, or $0-1000$ Watts. VSWR measurements can be quickly arrived at by means of a nomogram which is supplled with the unit. Attractive design with vinyl-clad metal enclosure and walnut finish wood sides. Size: $41 / 4 H \times 9 W \times 4^{\prime \prime}$. Shpg. wt., 2 lbs.
40 P 24030 No Money Down*
Net 39.95

## B\&W Little Dipper Model 331A

- RF Signal Generator
- Auxiliary Signal Generator
- Absorption Wavemeter

A highly sensitive, accurately calibrated, battery operated transistorized instrument. Also measures capacity, inductance and circuit " $Q$ ". The metering circuit consists of a OC amplifier with a $100 \mu \mathrm{~A}$ meter which detects dips or peaks, and " $Q$ " readings. Continuous $2-230 \mathrm{MHz}$ coverage with 7 overlapping plug-in colls (supplied). Freq. ACcuracy $\pm 3 \%$. Mod. Freq. 1 kHz ( $25-40 \%$ mod.). With 9 volt baftery. Stainiess steel Case. Size: $7 \times 21 / 4 \times 21 / 2^{\prime \prime}$. Shpg. wt., $31 / 2$ lbs. 99 P 60212 No Money Down ... Net 99.95 99 P 60212 Extra 9V Battery Net 31


## Full-Size Illuminated " $S$ " Meter



- Indicates Strength of Received Signal
- 2 Jewel Movement
- Clear Plastic Front
- Calibrated to $\mathrm{S9}+40 \mathrm{db}$ replace many " 5 " meters used in communications receivers. Ciear plastic front measures $23 / s^{\prime \prime}$ square and meter fits standard $24_{8^{\prime \prime}}$ round hole. Perfect for the experimenter and amateur. Complete with mounting screws, instructions for Installation and use. For 6 volt or 12 volt operation. Zero adjustment control on front panel. Imported. Shpg. wt., $1 / 2 \mathrm{ib}$.
99 P 25140


# 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 nickel-plated brass and stainiess steel operating parts. Speed adjustable 10 wpm to as high as desired. $1 / 8^{\prime \prime}$ silver con tacts; weight scale for reproducible speed settings. $67 / 3 \mathrm{~L} \times 3 \mathrm{~W} \times$ $21 / 4^{\prime \prime} \mathrm{H}$, exclusive of knobs and feet. Imported. Shpg. wt., $31 / 4 \mathrm{lbs}$. 99 P 25520

Net 14.75
(B) LAFAYETTE CODE PRACTICE SET

Ideal for the beginning amateur and code practice grouses, hey tias adjustable spring tension, and adjustable contact clearance. High frequency buscer hās irequency, and tension adjustment with lock nuts to assure constant frequency. There is provision for insertion of head set by means of binding posts with knurled tightening screws. For individual, group or remote listening. Uses Lafayette $11 / 2$ Voit battery. Base $63 / 4 \mathrm{~L} \times 23 / 4 \mathrm{~W} \times 13 / 2{ }^{\prime \prime} \mathrm{D}$, overall length $81 / 2^{\prime \prime}$. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 P 25538
Net 1.89
99 P $25538{ }^{9}$ " 0 " Cell battery for above
Net .19
99 P 25504 Stethoscope Headset
Net 1.53
(C) LAFAYETTE "BRASS-POUNDER'S'" KEY

A precision-made key designed for hard usage. Spring tenslon and contact clearance adjustments; $3 / 16^{\prime \prime}$ silver contacts; adjustable ball-bearing pivots; Circuit closing switch. Base $3 \times 2$ "; overall size $5 \times 23 / 8 \times 1 / \mathrm{te}^{\prime \prime}$. Imported. Shpg. wt., $1 / 2$ lb.
99 P 25553
Net 2.75

## (D) LAFAYETTE BEGINNER'S KEY

Economical key for beginning amateurs. Solld, 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 $31 / 4 \mathrm{~L} \times 113 / 4{ }^{\prime \prime}$ W. Overall length $5^{\prime \prime}$; height $13 / 夕^{\prime \prime}$. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 P 25546
Net .79
(E) HIGH FREQUENCY CODE PRACTICE BUZZER

Adjustable frequency buzzer ideal for individual or group code practice. Perfect code item for the ham shack. Black molded phenolic housing. Works with $11 / 2$ volt battery. Screw adjustment for changing tone. $17 / /^{\prime \prime}$ diam. x $1 \mathrm{~K}_{\mathrm{s}}{ }^{\prime \prime}$ high. Imported. Shpg- wt., $1 / 4 \mathrm{lb}$. 99 P 25561
(F) MINIATURE CODE OSCILLATOR MODULE

Transistorized. Ready to connect to your telegraph key, any $12 / 2$ to 6 volt battery and any PM speaker-ideal for learning Morse code or developing speed in receiving or sending-volume may be increased by using higher voltage battery up to 6 volts. Simple connecting instructions and schematic included. Shpg. wt., 302.
19 P 15131
Net .98

## LAFAYETTE SOLID-STATE WIRELESS CODE PRACTICE OSCILLATOR SET

 Ideal for students, hobbyists or aspiring amateurs. Portable, battery operated. Jus $\dagger$ place oscillator antenna next to any AM radio ... turn radio on and you're ready to practice or improve your code speed. Includes hand key and 9 -volt battery. Transls. torized oscillator features low battery drain. Size: $31 / 4 W \times 2 D \times 1{ }^{\prime \prime} H$. Key: $43 / 4 L \times 15 / 8^{\prime W}$. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 P 26080
Net 4.50
99 P 60212 Extra 9 volt battery Net .31


A terrific aid for the beginning Morse Code learner to experienced hams who wish to improve their code speed. Completely self-contained. It can be carried wherever you go. Efficient built-in speaker provides loud, clear signal. Excellent for group practice sessions. Variable pitch control gives pleasing tone by changing frequency. For private use, without disturbing athers, you have a choice of earphone tone operation, flashing light or both together. Uses low drain battery-operated transistor oscillator. Specifications: Tone frequency range: Approx. Ent io 2000 Hz variable Contra's: fist fun, Tuie, Light and Light/Tone. TermInals: Key, Earphone. Batteries: Includes 2 " $C$ " cells, Case: Hi -impact bakelite. Size: $61 / 4 \mathrm{H} \times 33 / 4 \mathrm{~W} \times 2^{\prime \prime} \mathrm{D}$. Imported.
99 P 25603 Shpg. wt., $11 / 4$ Ibs.
Net 9.95
99 P 62572 Extra "C" cells for above, 2 req. Net ea. . 17 Lightwelght Crystal Headset for above. Imported.
99 P 25504 Shpg. wt., 5 oz.
Net 1.53

## VIBROPLEX SEMI-AUTOMATIC KEYS



Super Deluze "Presentation." Patented jewel movement and Superspeed control. Polished chrominum precisioned machined parts mounted on a 24 K gold-plated base top with colorful red swifch knob finger and thumb piece, Jeweled movement reduces friction, main. tains smoother, easier operation. Shpg. wt., 5 liss.
40 P 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.
40 P 88019 Shpg. wt. $33 / 4 \mathrm{lbs}$.
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 of transmitting work. Large contact points. Die cut dot contact. Chrome-plated mechanism. Cast-iron base. Shpg. wt., $43 / 4 \mathrm{lbs}$.
40 P 88027
Net 29.95
Deluxe "Original". As above but jeweled bearings, chrome-plated base. Shpg. wt., 5 lbs.
40 P 88035 No Money Down*
Net 36.95
CUHD AND WEDGE tor above. Shpg. wt., $1 / 4 \mathrm{lb}$.
40 P 88050 Net 2.75
Vibro-Keyer. An efficient keying mechanism for an electronic transniitting unit. Smooth and easy operating trunion lever. Large contacts and frame. Size: $31 / 2^{\prime \prime} \times 41 / 2^{n}$. Shpg. wt., $33 / 4$ lbs. 40 P 88068

Net 22.95

## B \& W/WATERS CODAX AUTOMATIC KEYER

- Automatic Spacing and Timing
- Solid State Circuitry The codax automatic keyer features automatic spacing and ttming for any speed from 5 to 50 WPM. Double paddle key adjusts to any fist. Transistorized
 digital circuit and hermetically sealed "Reed" relay for lasting reliability. 1500 cycle audio output is at microphone level for use of vox circuit. Keys grid block circuit or operates keying relay in AM/CW rigs. Self powered. Dot/Dash, 3:1. $23 / 8 \times 33 / 4 \times 64^{\prime \prime \prime}$. Shpg. wt., $21 / 2 \mathrm{lbs}$. Less Batteries 40 P 16309 Model 361, No Money Down*

Net 71.25
Package of 21.35 v batteries for above ( 3 pkgs. req.)
32 P 46618

## REGENCY HR-2A MOBILE 2 METER FM TRANSCEIVER



22900
Supplied with crystals for 146.94 MHz , mike. and mounting bracket

- Power Output: 15 Watts or Better
- Automatic Adjustable Deviation Limiting

Doubte conversion receiver with $0.35 \mu v$ sensitivity for 20 db quieting. Sharp selectivity of 6 db for 16 kHz and 50 db for 32 kHz assures single channel copy. Squeich circuit utilizes variable electronic nolse compensation. Built-in $4^{\prime \prime}$ speaker. Transmitter utilizes automatic limiting for high carrier stability. Built-in SWR load mismatch circultry provides protection 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 recelving channels, 2 1C's, 24 translstors, and 7 diodes. Power Orain: 2.5 amps. under fyil transmit at required 12 volts DC. Supplied with a set of crystals for 146.94 MHz , push-to-talk ceramic mike, and mouriting bracket. Size: $21 / 44 \times 51 / 2 W \times 71 / 4^{\prime \prime} D$. Shpg. Wt., 6 lbs.
40 P 66346 W No Money Down*
.............................Net 229.00 Additional Crystals-Specify Frequency-30 Day Delivery
40 P 82129 Y Transmit. Shpg. wt., 402
Net 6.50
40 P B2137Y Receive. Shpg. wt., 4 oz .
Net 4.95

## DRAKE "Marker Luxury" 2 METER FM TRANSCEIVER



- For 12 Channel Operation
- Built-in 12 Volt DC and 117 Volt AC Supplies
- Power Output: Greater than 10 Watts
$299^{95}$
Supplied with 2 channels, Moblie mounting bracket, mike, coax and Hustler Antenna

Expressly designed to provide the flexibility needed for point to point or repeater operatlons. Covers the 144.148 MHz spectrum with full power performance. Solid state receiver incorporates crystal controlled double conversion superheterodyne circultry. Sensitivity is better than $0.5 \mu \mathrm{v}$. for 20 db . quietling 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 whth adjustable deviation to 15 kHz . Spurious radiation is greater than 80 do below the carrier. Bullt-in 12 volt DC and 117 volt AC supplies Draws 4 amperes on fuli transmit (ai 13.5 volts. Supplied with 146.34 MHz transmit and 146.94 MHz receive crystais for channel 1 , and with 146.94 MHz (Simplex) crystal for channel 2 , mobile mount, mike coax, and Hustler Antenna. Sixe: $77 / 8 \mathrm{~W} \times 27 / 4 \mathrm{H} \times 101 / 4^{\prime \prime} \mathrm{D}$. imported Shpg. wt., 13 lbs.
40 P 65439 w No Money Down* $\qquad$ Net 299.95
Additional Crystals-Specify Channel Frequency- 30 Day Delivery 40 P 65447 Y Transmit. Shpg. wt. 4 oz . $\qquad$ . Net 5.00 40 P $65454 Y$ Receive. Shpg. wt., 4 oz. $\qquad$ .Net 5.00

DRAKE MODEL TR-4 SSB / AM / CW TRANSCEIVER


- Full Frequency Coverage 10.80 Meters
- Automatic TR Switching on CW
- CW Side Tone 0scillator
- Vox or PTT on SSB or AM


## $599^{95}$ <br> No Money Down*

- Adjustable Pi-Network
- Solid-State VF0 Blanker

Deluxe SSB/AM/CW transceiver with VOX and PTT on SSB and AM, automatic transmit/receive switching on CW . Ideal for mobile or portable work. Sensitivity 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 $3.5-4$ $\mathrm{MHz}, 7.0-7.6 \mathrm{MHz}$, ${ }_{7} 3.9-14.5 \mathrm{MHz}$, 21-21.6 MHz, $28-28.6 \mathrm{MHz}_{\text {, }} 28.5-$ $29.1 \mathrm{MHz}, 29.1-29.7 \mathrm{MHz}$; 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 bullt-In 100 kHz xtal calibrator. Size: $103 / 4 \mathrm{~W} \times 51 / 2 \mathrm{H} \times 143 / \mathrm{c}^{*} \mathrm{O}$. Less noise blanker
40 P 65462WX Model TR-4. Shpg. wt., $201 / 2$ Ibs. Net 599.95 ACCESSORIES FOR DRAKE TR-4
40 P 65470 34NB Plug-in Noise Blanker, wt., 1 lb. .......Net 100.00 40 P 65041 MS. 4 Matching Spkr. for TR:4, wt., $91 / 2$ Ibs. Net 22.00 40 P 65249 W AC-4 AC Power Supply for TR-4, $191 / 2 \mathrm{lbs}$. Net 99.95 40 P 65397 W DC-4 DC Power Supply Ior TR-4, 9 lbs. .......Net 125.00

## 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 $331 / 3 \mathrm{LP}$; $81 / 2$ to 18 WPM. SENIOR: two $331 / 3$ RPM LP's from start to 18 WPM. EXTRA CLASS COURSE: one 331/3 RPM LP; 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 include 32 page manual with FCC.type exams.

| Stock No. | Course | Speed | Wt. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 40 P 13058 | Junior | 331/3 RPM |  | 3.95 |
| 40 P 13074 | Senior | $331 / 3 \mathrm{RPM}$ | $11 / 4 \mathrm{lb}$. | 7.50 |
| 40 P 13090 | Advanced | 331/3 RPM | $1 / 4 \mathrm{lb}$. | 3.95 |
| 40 P 10518 | Extra Class | $331 / 3 \mathrm{RPM}$ | 1 lb | 3.95 |
| 40 P 10526 | Supplementary general | 331/3 RPM | 1/4 ${ }^{\text {b }}$ ( | 3.95 |
| 40 P 10534 | Supplementary Extra | 331/3 RPM | $3^{3 / 4} \mathrm{lb}$ | 3.95 |

## TAPED CODE - LEARN CODE ON A TAPE RECORDER



Prerecorded magnetlc
tapes containing a complete course in the internatlonal Morse Code. The tapes are $7^{\prime \prime}, 1200$ ft. pre-recorded at $33 / 4$ IDs and can be played on any standard tape recorder. Playing time 2 hours per tape, Shpg. wt., 1 tb
40 P 49011 NOVICE Basic instructions \& code 4.8 WPM 40 P 49029 AOVANCEO Code at 9-18 WPM

Net 6.50
Net 5.50
40 P 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 worts per minute, with 20 -page code course. 40 P 71007 Shpg. wt., 1/2 Ib......Net 4.95 ADVANCED COURSE, consists of 12 lessons, 16 to 25 words-per-minute. With 20 -page code course. Shpg. wt., $1 / 2 \mathrm{lb}$ 40 P 71015

Ne1 4.95

# High Performance Amateur and SW Gear 

## Deluxe Drake Model R-4B Triple Conversion Receiver



Triple conversion with exceptional features. Covers $80,40,20$, and 15 meters completely and $28.5-29 \mathrm{MHz}$. Segment of 10 meters with crystals furnished. Ten accessory crystal sockets for any ten additional 500 kHz ranges from $1.5-30 \mathrm{kHz}$ with the exception of $5.0-6.0 \mathrm{MHz}$. Selectivity control with 4 bandwidths: $.4 \mathrm{kHz} ., 1.2 \mathrm{kHz}$. $2.4 \mathrm{kHz} .$, and 4.8 kHz , Pass band tuning permits SB selection without retuning and adjustment. Nolse blanker, notch filter, 100 kHz crystal calibrator. Crystal lattice filter 1st IF. Crystal osciliator and low frequency VFO outputs are pre-mixed. Receives SSB, AM, CW and RITY with full RF gain, Product detector for SSB/CW-diode detector for AM. Transceive capablity: transcelves with $\mathrm{T}-4 \mathrm{XB}$ or $\mathrm{T}-4 \mathrm{X}$ transmitters. S-meter. Less speaker. 60 watts, $120 / 240 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. $51 / 2 \mathrm{H} \times 103 / 4 \mathrm{WW} \times 125 / 8 " \mathrm{D}$. Shpg. wt., 19 lbs .
40 P 65306 W No Money Down*
Model MS-4 Matching Speaker for R-4B. Wt., $91 / 2 \mathrm{ibs}$.
40 P65041W
Net 475.00

DRAKE 2C SSB/AM/CW RECEIVER


- Solid State AVC
- Product Detector For SSB/CW
- 3 Bandwidths of Selectivity

Covers the $80,40,20$ and 15 meter ham bands plus 28.5 to 29.0 MMz of 10 meters with crystal furnished. Also tunes any 500 kHz range between 3.0 and 30 MHz with accessory crystal. Features include: USB/LSB CW, AM, RTTY with full RF galn; solid state AVC with fast attack and slow release for SSB, or, last release for high break-ln CW; solid state audio with 1.8 watts output; solectivity control provides bandwidth choice of $.4,2.4$, and 4.8 kHz . Set has 50 kHz se -lectable-passband filter and accurate S :meter. Rear panel facks for antenna, loudspeaker, external muting and sidetons. Size: 11\% $\mathrm{W} \times 6 \% \%_{3} \mathrm{H} \times 93_{32}$ "D. Shpg. wt., 16 lbs. 40 P 65280W No Money Down Net 255.00 Model 2-CS Matching Speaker for 2-C Shpg. wt., $83 / 4 \mathrm{lbs}$.
40 P65298W
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 diodes. Zener regulated and temperature compensated high frequency oscillator. Selectivity continuously variable from 12 kHz (AM) to 2.9 hHz (SSB) and 100 Hz (CW). Q multiplier operates Independently of BFO. BFO variable $\pm 2 \mathrm{kHz}$. Other features include antenna trimmer, AVC, series nolse limiter, product detector, and " S " meter. Sensitivity: better than $0.5 \mu \mathrm{~V}$. for CW and SSB. Audlo output: 2.5 watts (E|A). Power requirements: $117 / 230$ volts AC $50 / 60 \mathrm{~Hz}$. Sizes; $161 / 2 \mathrm{~W} \times 8 \mathrm{Hx9} 1 / \mathrm{B}^{\prime \prime} \mathrm{D}$. Shpg. wt., 27 lbs.
40 P 28824W ................................. 338.00 Model S-101 Speaker for HQ-200 40 P 28932 W Wt., 7 lbs. ........Net 19.95

## DRAKE SW4A SW RECEIVER



No Money Down 33500
onversion

- Dual Conversion
- Crystal Lattice Filter
- Direct Frequency Dialing

Superb reception of European LF, American MF and Internatlonal SW broadcast bands. Frequency Coverage . $15 \cdot .5, .5-1.0$, $1.0-1.5,6.0 \cdot 6.5,7.0-7.5,9.5 \cdot 10.0,11.5-12.0$, $1.0-1.5,5.0-6.5,7.0-7.5,9.5-10.0,11.5-12.1$
$15.0-15.5, \quad 17.5-18, \quad 21.5-22$ and $25.5-26.0$ MHz with crystals supplied. Crystal sockets are provided for coverage of any three additional 500 kHz ranges between 1.5 and 30 MHz except $5.0-6.9 \mathrm{MHz}$. Has $S$ meter for signal strength indication. Preselector provides superb sensitivity. Crystal high frequency oscillator. Amplified AVC. Solidstate AF output. Impedance: 4 -ohms. For $120 / 140 \mathrm{VAC}$. $50 / 60 \mathrm{~Hz}$, Size: $51 / 2 \mathrm{H} \times 107 / 4$ Wx $115 / 8{ }^{\prime \prime} \mathrm{D}$. Shpg. wt., $171 / 2 \mathrm{lbs}$.
40 P 65330 W ...........................Net 335.00 MS-4 Matching Speaker. Shpg. wt., $91 / 2 \mathrm{lbs}$. 40 P 65041 W ...............................et 22.00

HALLICRAFTERS SX-133 GENERAL COVERAGE RECEIVER


No Money Down*
Deluxe four band superhet receiver tunes 535 kHz to 31.5 MHz . Covers foreign and domesilc short-wave broadcasts, amateurs, aircraft and marine plus standard AM. Receives code (CW), volce (AM), and single sideband (SSB), selectable upper or lower, Calibrated electrical bandspread on the $80,40,20,15,10$ meter amateur bands, citizens band and the $49,31,25$, and 19 meter shortwave bands. Fine features include selective crystal filter, callbrated BFO, product detector, antenna trimmer, "s" meter, effective nolse limiter, and crystal callbrator. For 117 VAC $50 / 60 \mathrm{~Hz}$. SIze: $187 / 9 \mathrm{~W} \times 8 \mathrm{H} \times 9 \mathrm{y} 4^{\prime \prime} \mathrm{D}$. Shpg. wt., $311 / 4 \mathrm{lbs}$.
 Speaker for SX-133. Shpg. wt., $21 / 2$ ibs. 99 P 25397 HE-48C ................Net 9.95

## DRAKE 2-NT CW TRANSMITTER



Works afl amateur bands 80 thru 10 meters crystal controlled. Features automatic transmit switching and antenna change over relay. Simplified tuning is provided by broadband, low level stages and fixed loading; PA Plate tuning only! Additional features include: Automatic recelver muting; bulit-In CW sidetone with adjustable level; low pass filter prevents TVI; spotting sunction; RF Indicator light and built-in power supply, in standby position transmitter can be used as a code practice oscillator. Plate meter is red-lined for Novice power. Delay control varies from full "break. in" to 4 secpnds. Also has 2 Iront panel crystal sockets; rear panel mute, external switch, VFO and key jacks. For 120 V ., $50-60 \mathrm{~Hz}$ AC. Size: $9 \% \mathrm{~W} \times 6 \% 2 \mathrm{H} \times$ $6 \%_{3}{ }^{\prime \prime}$ D. Shpg. wt., $151 / 2 \mathrm{lbs}$.
40 P 65272 W
Net 175.00
DRAKE T-4XB
SSB/CW/AM TRANSMITTER


- 2 Crystal Lattice Fitters Improved version of model T-4X. Covers 160 10 Meters. Permeabillty tuned solid-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 sldeband selection. Plate/current relative output meter. Automatic transmit. receive switching on CW delivers true breakin to 60 wPm . VOX or PTT on SSB and AM. AGC operates on SSB to prevent flat topping due to overdrive. Size: $51 / 2 \mathrm{H} \times 115 / 10 \mathrm{D} \times$ $103 / 4^{*}$ W. Less power supply. Shpg. 18 lbs. 40 P $65322 W$

Net 495.00
AC- 4 117VAC Power Supply for T-4XB.
Shpg. wt., $191 / 2 \mathrm{lbs}$.
40 P65249W
Net 99.95

# 6-80 Meter SSB/AM/CW Solid-State Amateur Receiver 



## Featuring Built-In 12 Volt DC And 117 Volt AC Supplies

- Varactor Fine Tuning and Calibrator
- Two 455 kHz Mechanical Filters
- Zener Regulated Power Supply


## LAFAYETTE HA 800B <br> Only $129^{95}$

* 6 Amateur Bands Including 6 Meters

Product Detector for SSB/CW

## Built-in 100 kHz Crystal Calibrator

FET Front End Attenuates Overloads

## Instantaneous Cool Performance

## 15 Transistors + 13 Diodes +4 FET's +1 Varactor

- Series Gate Automatic Noise Limiting
- Dual Conversion on all Bands
- Illuminated Calibrated "S" Meter

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. In SSB/CW mode, product detection combines with a varactor controlled fine tuner to change CW pitch or clarify SSB copy. Built-in 100 kHz crystal calibrator ensures accurate preselection of proper frequencies (supplied less crystal), Rear panel accessory socket provides convenient access to audio output, receiver muting line, and 12 -vort DC input. Tape output jack permits
direct taping and front panel headphone jack facilitles operation in noisy areas. Sensitivity: better than $1 \mu v$ on all bands. Selectivity: 60 db down at $\pm 6 \mathrm{kHz}$. Power requirements: 117 volts AC $50 / 60 \mathrm{~Hz}$. or 12 volts DC. Size: $81 / 4 \mathrm{H} \times 15 \mathrm{~W} \times 97 / 4^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., $243 / 4 \mathrm{lbs}$. 99 P 26155 WX No Money Down* ..............................Net 129.95 Model HE-48C Matching 8 ohm Speaker. Imported. 99 P 25397 Shpg. wt., 3 lbs. Net 9.95
100 KHz . Calibrator Crystal for HA.8008

# 40 P 09015 L Shpg. wt., 3 oz. <br> 100-Watt Mobile Linear Amplifier Model HA-250A <br> SMALL . . . COMPACT . . ONLY 2 INCHES HIGH 

- Covers $20-54 \mathrm{MHz}$...6,10, 11 and 15 Meters (Not permitted on 11 meters Class D CB in U.S.A.)
- Operates on 117 Volts AC with Optional Supply
- No External Switching Required
- Amplifies AM, FM. CW, DSB or SSB Signals From $1 / 2$ to 10 Watts
- Self-Contained 12 Volt Power Supply

HA-255


Boost flea power to high power for extended range and better readability. Provides up to 100 watts PEP ( 50 Watts DC) input Into a 50 ohm load (with 10 watts RF drive). Unique RF sensing clrcuit automatically switches in linear when transmitter is activated. Absolutely no external switching is necessary. Built-in relay directly connects antenna to input So-239 coaxial socket when receiving. No internal connections are required to your existing equipment. Simply insert the unit in serles 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. Illuminated front panel meter indlcates relative RF strength of linear's output slgnal when linear is on, or exciter's relative RF signal strength when linear is off. Self-contained power supply utillzes a high efficiency toroid power transformer. Rugged, attractively designed chassis with oversized heat sinks sturdy and cool operation. Supplled with comprehen-

sive manual, fused DC power cables and mounting bracket. Size: $7^{\prime \prime} D$ ${ }^{x 9}{ }^{\circ} \mathrm{Wx} 2^{\prime \prime} \mathrm{H}$. Imported. Shpg. wt., 7 lbs .12 oz .12 Volt DC Negative Ground Only.
99 P 25280 W

# 5 Band AM/CW/SSB Solid-State <br> 5 Dallu Amateur And SW Receiver 



## LAFAYETTE HA-GOOA

## PRODUCT DETECTOR FOR SSB/CW

- 10 Transistors, 2 FET's, 7 Diodes, and 1 Zener Diode
- Mechanical Filter for Exceptional Selectivity
- Huge Edge-Illuminated Stide Rule Dial with "S" Meter
- 117-Volts AC and 12 -Volts DC Negative Ground Operation
- Full $241 / 2$ Inches of Bandspread On 10-80 Meter Bands
- Automatic Series Gate Noise Limiter With AVC on AM
- Front Panel Headphone Jack for Private Listening


# Only <br> 9995 

No Money Down*

## 5 BAMDS

BAND A: 150 kHz to 400 kHz BAND B: 550 kHz to 1600 kHz BAND C: 1.6 MHz to 4.8 MHz BAND D: 4.8 MHz to 14.6 MHz BAND E: 10.5 MHz to 30 MHz

The HA-600A general coverage receiver combines the latest solid state electronics with sleek, modern appearance to achieve a superb blend of performance and style. Advanced circuitry utlizes two Field Effect Transistors in the front end RF stages to assure high sensitivity with lowest nolse factor. 10 high performance transistors and 8 diodes complement the FET's to provide sharp response with exceptional stabitity. 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 selectiv. ity. Recelver's operation is 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 fiywheel operated slide rule dial has easy-toread illuminated maln tuning, logglng, and bandspread scales. Electrical bandspread features wide calibration for easier tuning of crowded ham bands. Operates from 117 VAC 60 Hz or 12 VDC (neqative rround only). perfect for emerpency use! Imported. Shipg. Wt., $25 \frac{1}{4}$ lbs.
99 P 25991 w
Net 99.95
Matching $3 \times 5$-inch speaker in handsome cabinet.
99 P 25397 HE48C $\qquad$ Net 9.95

## SPECIFICATIONS

Sensitivity: $1 \mu v$ at 10 th signal to noise patio. Selectlifty: $\pm 6 \mathrm{KHz}$ at 60 db down, $\pm 2 \mathrm{KHz}$ at 6 db down. Intermediate frequency: 455 kHz . BFO frequency: $455 \mathrm{kHz} \pm 2.5 \mathrm{kHz}$. Antenra Impedance: 50.400 ohms. Auclo Power Output: 3 watts at 4 ohms. Speaker Impedanct: 4 . 8, and 500 ohms. Headphene Impedance: 8 ohms. Receiving Modes: AM-CW-SSB. Power Requirements: $105-120$ Volts 60 Hz ( 17 watts max.) 12 Volts $D C$ ( 650 ma. max,). Sire: $15 \mathrm{~W} \times 91 / 40 \times 81 / 4^{\prime \prime} \mathrm{H}$.

## Model HE-48C MATCHING AMATEUR SPEAKER

> - Excellent Speaker for Lafayette or Other Receivers Which Require External Speaker
> Large $3 \times 5$ Inch Permanent Magnet Speaker

## Only $g^{95}$

A quality $3 \times 5$-inch permanent magnet speaker designed into a handsomely styled cabinet with attractive finish. Provides clean, crisp, and clear audio response-even during single sideband reception. Made to mate with Lafayette HA-600A and HA-800B of other manufacturer's recelvers which need external speaker provisions. voice coil impedance: 8 ohms. Size: $73 / 4^{\prime \prime H} 4 \times 31 / 2^{\prime \prime} W \times 55^{\prime} \mathrm{D}$. Imported. Shpg. $w t_{0}, 21 / 2 \mathrm{ibs}$.

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## 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 separately 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.

COD 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 blank whether a "new" or "add-on" Easy Pay order and fill in all information requested on back of the order blank.

Master Charge


Fill in your Master Charge card number and bank number in spaces provided on order blank. Amount for merchandise plus shipping charges, and tax lif any) will be billed to your Master Charge Account. (Less any deposit).
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 (prefix) of the ZIP Codes of the sectional center facility of address.
To determine the zone distance to a particular post office, ascertain the ZIP Code of the post office to which the
parcel is addressed. The first three digits of that ZIP Code are included in this chart, to the right thereof the zone. If an (*) appears to the left of your zip prefix refer to UPS chart for charges, otherwise use Parcel Post chart.

| Zip Code Prefixes | Zone | Zip Code Prefixes | Zone | Zip Code <br> Prefixes | Zone | Zip Code Prefixes | Zone | Zip Code <br> Prefixes | Zone | Zip Code Prefizes | Zone | Zip Code Prefixes | Zone |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 006-009 | 7 | *080-086 | 2 | * 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 | 090.098 | 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 | 7 |
| *025-026 | 3 | - 128-136 | 3 | -254 | 3 | - 387 | 6 | * 490-491 | 5 | *640-648 | 6 | -798-799 | 8 |
| *027-029 | 2 | * 137-139 | 2 | *255.266 | 4 | - 388 -389 | 5 | * 492 | 4 | -650-652 | 5 |  |  |
| -030-033 | 3 | +140-149 | 3 | *267 | 3 | +390.392 | 6 | - 493-499 | 5 | * 653 | 6 | $800 \cdot 812$ | 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 | -680-692 | 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 | *162-163 | 3 | - 298-299 | 5 | * 403-406 | 4 | -508-519 | 6 | - 700.722 | 6 | $875-877$ | $7$ |
| *052.053 | . 2 | -164-165 | 4 |  |  | *407-409 | 5 | *520-539 | 5 | * 723-724 | 5 | 878.880 | 8 |
| *054-059 | 3 | -166-169 | 3 | -300-324 | 5 | *410-419 | 4 | +540 | 6 | +725-738 | 6 | 881-884 | 7 |
| *060-067 | 2 | * 170-171 | 2 | *325 | 6 | -420-427 | 5 | *541-549 | 5 | -739 | . 7 | 890.898 | 8 |
| *068-077 | . 2 | -172-174 | . 3 | * 326.329 | 5 | * $430-458$ | 4 | - 550-554 | 6 | *740.749 | $\checkmark 6$ |  |  |
| *078 | . 2 | +175.176 | 2 | -330-334 | 6 | -460-466 | 5 | * 556.559 | 5 | * 750-754 | . 6 |  |  |
| *079 ... | 2 | $\cdot 177$ | 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 specify your nearest Express Office if there is no agent in your town.

## APPROXIMATE REA EXPRESS CHARGES

| Zone | 1\%2 | 3 | 4 | 5 | 6 | 7 | 8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pounds | $\begin{aligned} & 0 \\ & 150 \\ & \text { Miles } \end{aligned}$ | $\begin{aligned} & 151- \\ & 300 \\ & \text { Miles } \\ & \hline \end{aligned}$ | 301- <br> 600 <br> Miles | $\begin{aligned} & 601- \\ & 1000 \\ & \text { Miles } \end{aligned}$ | $\begin{aligned} & 1001 \\ & 1400 \\ & \text { Miles } \end{aligned}$ | $\begin{aligned} & 1401 \\ & 1800 \\ & \text { Miles } \end{aligned}$ | $1801$ <br> \& over <br> Miles |
| 1-25 | \$ 9.20 | \$10.50 | \$11.50 | \$12.80 | \$14.10 | \$15.50 | \$18.40 |
| 26-50 | 10.30 | 12.10 | 13.70 | 15.60 | 17.70 | 19.60 | 24.10 |
| 51-75 | 11.40 | 13.90 | 16.00 | 18.40 | 21.20 | 23.80 | 29.90 |
| 76-100 | 12.40 | 15.50 | 18.10 | 21.10 | 24.60 | 27.90 | 35.30 |
| over 100 lbs . Add per 1 b . | .12c | .15c | .18c | .21c | .24c | 28c | .35c |

## TERMS:

The prices listed in our catalog are net. All trade and cash discounts have already been deducted.

All Prices are net, F.O.B shipping point. PRICES, SPECIFICATIONS AND CONDItions of Sale are subject 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 APO 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 outside continental limits of the United States. Each order must be accompanied by payment in Cash or U.S. Dollar Draft 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.

## SHIPPING AND DELIVERY INFORMATION

## HOW TO ESTIMATE PARCEL POST CHARGES

## PARCEL POST SHIPMENT

Parcel Post Rate Chart Items Keyed "WUX" or "WX" are not shippable Parcel Post (Example $\overline{=} 18.0182 \mathrm{Wx}$ ), Figure Parcel Post Charges only for items not heyed WX or WUX. (See REA Express information.)
Less than 1602. all zones allow 8 c for first 2 oz . $4 c$ for each additional oz. Find the weight of your merchandise in the extreme left-hand column of the chart at right. Pay the amount listed for Parcel Post shipment to your zone, A fraction of a pound is charged as a full lb. For example, if the weight is 6 lbs. and 1 oz . to zone 3, postage would be for 7 ibs. (1.10). Over 40 lbs. shpd. truck or exp. See below

## AIR PARCEL POST SHIPMENTS

We will ship your order via Air Parcel Post upon your request. Rates are given in the table, below. Size and weight limits: 70 lbs, and 100 in. (length plus gith).

|  | ZONES 1, 2 \& | 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 |


| ORDERS UNDER ${ }^{\text {MIN }}$ \$5. | order charce | . 50 |
| :---: | :---: | :---: |
| PARCEL POST | $\$ 5.00 \text { to } 15.00$ | 20 c 30 c |
| HANDLING | 50.01 to 100.00 | 40 c |
| CHARGE | 151.01 to 200.00 | 50 c 60 c |


| WEICHT 1 Lb. 8 Mot Esueeding | Local | $\begin{aligned} & 1 \mathrm{ss} \pm \text { 2nd } \\ & \text { Zone up } \\ & \text { to } 150 \mathrm{mi} \text {. } \end{aligned}$ | $\begin{aligned} & 3 \mathrm{drd} \text { Zone } \\ & 150 \mathrm{no} \\ & 300 \mathrm{mi} . \end{aligned}$ | 4th Zone 300 to 600 mi . | $\begin{aligned} & \text { 5eh 2ome } \\ & 600 \mathrm{ge} \\ & 1000 \mathrm{mi} \text {, } \end{aligned}$ | $\begin{aligned} & 6 \mathrm{hh} \text { Zone } \\ & 1000 \mathrm{se} \\ & 1400 \mathrm{mi} \text {. } \end{aligned}$ | 7htone 1400 Po 1800 mi . | $\begin{aligned} & \text { Uhin Zone } \\ & \text { Over } \\ & 1800 \mathrm{mi} \text {. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 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. | 5 c | 10c | 10c | 15c | 15c | 20c |

## ABOUT C.O.D. ORDERS (Minimum Order $\$ 10.00,20 \%$ Deposit)

If you order C.O.D., the post office collects a handling charge, plus a money order fee, in addition to the regular parcel post charge. (We cannot accept COD's for APO's,

| PARCEL PDST C.O.O. FEES: |  |  |  |  |  |  |  |  | MONEY ORDER FEES: |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\$ 10.01$ to $\$ 25.00$ | .80 | $\$ 50.01$ to $\$ 100.00$ | 1.00 | From 10.01 to | 50.00 |  |  |  |  |
| $\$ 25.01$ to $\$ 50.00$ | .90 | $\$ 100.01$ to $\$ 200.00$ | 1.10 | From 50.01 to 100.00 |  |  |  |  |  |

## UNITED PARCEL DELIVERY

Unlted Parcel Service Rate Chart (use if an * appears next to Zip Code). Items Keyed "WX" are not shippable UPS. (See REA Express information.)

FPO's or for special-order merchandise). The extra C.O.D. fees are:
from 10.01 to 50.00 From 50.01 to 100.00

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 weight shown takes the next higher rate

| WEIGHT NOT 10 EXCEED | ZONE 2 20NE 3 |  | ZONE 4 | 20NE 5 | ZONE 6 | ZONE 7 | ZONE 8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |
| 1 lb . | \$ . 55 | \$.57 | \$.60 | \$ . 62 | \$ .65 | \$ . 68 | \$ 72 |
| 2 lb . | . 60 | . 64 | . 69 | . 74 | . 80 | . 86 | . .94 |
| 3 lb . | . 65 | 71 | . 79 | . 86 | . 95 | 1.04 | 1.16 |
| 4 lb . | . 70 | . 78 | . 88 | . 98 | 1.10 | 1.22 | 1.38 |
| 5 lb . | . 75 | 85 | . 98 | 1.10 | 1.25 | 1.40 | 1.60 |
| 6 lb . | . 80 | 92 | 1.07 | 1.22 | 1.40 | 1.58 | 1.82 |
| 7 lb . | . 85 | . 99 | 1.17 | 1.34 | 1.55 | 1.76 | 2.04 |
| 8 lb . | . 90 | 1.06 | 1.26 | 1.46 | 1.70 | 1.94 | 2.26 |
| 9 lb. | . 95 | 1.13 | 1.36 | 1.58 | 1.85 | 2.12 | 2.48 |
| 10 lb . | 1.00 | 1.20 | 1.45 | 1.70 | 2.00 | 2.30 | 2.70 |
| 11 lb . | 1.05 | 1.27 | 1.55 | 1.82 | 2.15 | 2.48 | 2.92 |
| 12 lb . | 1.10 | 1.34 | 1.64 | 1.94 | 2.30 | 2.66 | 3.14 |
| 13 lb | 1.15 | 1.41 | 1.74 | 2.06 | 2.45 | 2.84 | 3.36 |
| 14 lb . | 1.20 | 1.48 | 1.83 | 2.18 | 2.60 | 3.02 | 3.58 |
| 15 tb . | 1.25 | 1.55 | 1.93 | 2.30 | 2.75 | 3.20 | 3.80 |
| 16 lb . | 1.30 | 1.62 | 2.02 | 2.42 | 2.90 | 3.38 | 4.02 |
| 17 lb . | 1.35 | 1.69 | 2.12 | 2.54 | 3.05 | 3.56 | 4.24 |
| 18 lb . | 1.40 | 1.76 | 2.21 | 2.66 | 3.20 | 3.74 | 4.46 |
| 19 lb | 1.45 | 1.83 | 2.31 | 2.78 | 3.35 | 3.92 | 4.68 |
| 20 lb. | 1.50 | 1.90 | 2.40 | 2.90 | 3.50 | 4.10 | 4.90 |
| 21 lb . | 1.55 | 1.97 | 2.50 | 3.02 | 3.65 | 4.28 | 5.12 |
| 22 lb . | 1.60 | 2.04 | 2.59 | 3.14 | 3.80 | 4.46 | 5.34 |
| 23 lb . | 1.65 | 2.11 | 2.69 | 3.26 | 3.95 | 4.64 | 5.56 |
| 24 lb . | 1.70 | 2.18 | 2.78 | 3.38 | 4.10 | 4.82 | 5.78 |
| 25 lb . | 1.75 | 2.25 | 2.88 | 3.50 | 4.25 | 5.00 | 6.00 |
| Additional charge for each COD delivery, 65 cents-and each address correction, 65 cents. WEIGHT AND SIZE LIMITS |  |  |  |  |  |  |  |
| Maximum Weight per package, 50 POUNDS. <br> Maximum Weight of all packages from one shipper to one consignee in one day, 100 pounds. |  |  |  |  |  |  |  |


| EXCEED | ZONE 2 | ZONE 3 | ZONE 4 | ZONE 5 | ZONE 6 | 20NE 7 | ZONE 8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 26 lb. | \$1.80 | \$2.32 | \$2.97 | \$3.62 | \$4.40 | \$5.18 | \$ 6.22 |
| 27 lb . | 1.85 | 2.39 | 3.07 | 3.74 | 4.55 | 5.36 | 6.44 |
| 28 lb . | 1.90 | 2.46 | 3.16 | 3.86 | 4.70 | 5.54 | 6.66 |
| 29 lb . | 1.95 | 2.53 | 3.26 | 3.98 | 4.85 | 5.72 | 6.88 |
| 35 lb . | 2.00 | 2.60 | 3.35 | 4.10 | 5.00 | 5.90 | 7.10 |
| 31 tb | 2.05 | 2.67 | 3.45 | 4.22 | 5.15 | 6.08 | 7.32 |
| 32 lb. | 2.10 | 2.74 | 3.54 | 4.34 | 5.30 | 6.26 | 7.54 |
| 33 lb . | 2.15 | 2.81 | 3.64 | 4.46 | 5.45 | 6.44 | 7.76 |
| 34 ib . | 2.20 | 2.88 | 3.73 | 4.58 | 5.60 | 6.62 | 7.98 |
| 35 lb. | 2.25 | 2.95 | 3.83 | 4.70 | 5.75 | 6.80 | 8.20 |
| 36 lb. | 2.30 | 3.02 | 3.92 | 4.82 | 5.90 | 6.98 | 8.42 |
| 37 lb . | 2.35 | 3.09 | 4.02 | 4.94 | 6.05 | 7.16 | 8.64 |
| 38 lb . | 2.40 | 3.16 | 4.11 | 5.06 | 6.20 | 7.34 | 8.86 |
| 39 fb . | 2.45 | 3.23 | 4.21 | 5.18 | 6.35 | 7.52 | 9.08 |
| 40 lb . | 2.50 | 3.30 | 4.30 | 5.30 | 6.50 | 7.70 | 9.30 |
| 41 lb . | 2.55 | 3.37 | 4.40 | 5.42 | 6.65 | 7.88 | 9.52 |
| 42 lb. | 2.60 | 3.44 | 4.49 | 5.54 | 6.80 | 8.06 | 9.74 |
| 43 lb . | 2.65 | 3.51 | 4.59 | 5.66 | 6.95 | 8.24 | 9.96 |
| 44 lb . | 2.70 | 3.58 | 4.68 | 5.78 | 7.10 | 8.42 | 10.18 |
| 45 fb . | 2.75 | 3.65 | 4.78 | 5.90 | 7.25 | 8.60 | 10.40 |
| 46 lb . | 2.80 | 3.72 | 4.87 | 6.02 | 7.40 | 8.78 | 10.62 |
| 47 lb . | 2.85 | 3.79 | 4.97 | 6.14 | 7.55 | 8.96 | 10.84 |
| 48 fb . | 2.90 | 3.86 | 5.06 | 6.26 | 7.70 | 9.14 | 11.06 |
| 49 lb. | 2.95 | 3.93 | 5.16 | 6.38 | 7.85 | 9.32 | 11.28 |
| 50 lb . | 3.00 | 4.00 | 5.25 | 6.50 | 8.00 | 9.50 | 11.50 |

Maximum Size per package, 108 INCHES IN LENGTH AND GIRTH COMBINED.
Minimum charge for a package measuring over 84 inches in length and girth combined will be equal to charge for a package weighing 25 pounds.

# You Can Depend On LAFAYETTE-ت. 

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 over 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, alteration, repair without our authorization or used in violation of operating instructions, nor to normal wear and tear. The speaker guaranty does not cover external parts such as cabinets, grille cloth etc. Serial number must not be defaced. Guaranty is not transferrable.
Claims must be accompanied with original sales slip, shipping documents, or our invoice as proof of date of purchase.

## OTHER GUARANTEES

All merchandise not covered either by the special guarantees en this page or by other specific guarantees in the catalog are covered by a 90 day repair or replacement guarantee (at our option) against defects in material or workmanship.

## LAFAYETTE AAM GUARANTY

This guaranty covers Lafayette items so indicated in our catalog which contain several integrated sections in a single unit such as compacts and integrated entertainment centers. The time period for each section is as follows:

| SPEAKERS | 5 YRS. |
| :--- | :--- |
| RECEIVER OR TUNER SECTION | 2 YRS. |
| AMPLIFIER SECTION | 2 YRS. |
| RECORDER SECTION | 3 MOS. |
| CHANGER SECTION | 3 MOS. |

The terms and conditions of this guaranty are otherwise identical to the AAA Guaranty.

## SATISFACTION GUARANTEED

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 good condition and not soldered or abused-no holes drilled or changes made in any other way. This policy does not apply to kits, nor to pre-recorded tape, records, books or merchandise not regularly stocked that has been ordered especially for you. Claims must be accompanied with original sales slip, shipping documents, or our invoice as proof of date of purchase.

Claims must be accompanied with original sales slip, shipping documents, or our invoice as proof of date of purchase.

## HOW TO RETURN MERCHANDISE

(Merchandise Returned Must be in New Condition)
We want you to be completaly satisfied with every item you purchased from us. If there is an irregularity in your shipment and you find it necessary to return an item to us, follow these instructions:

## PARCEL POST SHIPMENTS

Place all order papers, invoices, correspondence and your instructions in an envelope inside your package.
2) On the outside of your package, mark "First Class Mail Enclosed" (directly below the postage) and add an additional 8 c 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 dam-
aged receipts to your postman
and enclose his report with your For your protection, report dam-
aged receipts to your postman
and enclose his report with your For your protection, report dam-
aged receipts to your postman
and enclose his report with your papers.

## BY EXPRESS OR TRUCK

If your shipment is received damaged, obtain 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 $4 s$, 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. Write to our International Sales Division for de. tails

BASE PRICE LIST (continued)

| STOCK | PRICE | STOCK \# | PRICE | STOCK | PRICE | STOCK \# | PRICE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36-31314 | 1.68 | 42-01604 | 29.95 | 52-30651 | . 12 | 64-04677 | 3.00 |
| 36-31520 | 3.93 | 42-09102 | 9.65 | 52-30677 | . 12 | 64-04719 | 3.00 |
| 36-31595 | 3.33 | 42-09110 | 16.95 | 52-30735 | . 12 | 64-04859 | 3.00 |
| 36-31694 | 1.95 | 42-70c21 | 2.95 | 52-30750 | .12 | 64-05013 | 3.00 |
| 36-31710 | 2.45 | 42-73C17 | 79.95 | 52-30776 | . 12 | 64-05500 | 3.00 |
| 36-31850 | 1.55 | 42-86076 | 36.95 | 52-30818 | . 12 | 64-05914 | 3.00 |
| 36-31876 | 1.35 | 42-86100 | 49.95 | 52-30834 | . 12 | 64-06433 | 3.00 |
| 36-31900 | 1.53 | 44-01378 | 49.95* | 52-30859 | .12 | 64-06953 | 3.00 |
| 36-31934 | 1.59 | 44-01402 | 69.95 | 52-30875 | . 12 | 64-06987 | 3.00 |
| 36-31942 | 1.70 | $44-01451$ | 75.95* | 52-30891 | . 12 | 64-07027 | 3.00 |
| 36-32213 | 3.48 | 44-01600 | 12.95 | 52-30933 | .12 | 64-07043 | 3.00 |
| 36-32247 | 1.13 | 44-08019 | 199.95* | 52-30974 | .12 | 64-07399 | 3.00 |
| 36-32270 | 1.75 | 44-10031. | 8.91 | 52-31014 | . 12 | 64-07431 | 3.00 |
| 36-32395 | 2.05 | 44-17010 | 34.95 | 52-31655 | . 12 | 64-07464 | 3.00 |
| 36-32700 | 4.40 | 44-18018 | 9.95 | 52-31071 | .12 | 64-07647 | 3.00 |
| 36-32759 | 3.33 | 44-25153 | 25.50 | 52-311 97 | .12 | 64-07894 | 3.00 |
| 36-40521 | 93.30 | 44-25328 | 57.00 | 52-31139 | . 12 | 64-07936 | 3.00 |
| 36-54407 | 9. 50 | 44-33058 | 11.95 | 52-31170 | . 12 | 64-08033 | 3.00 |
| 38-01016 | 42.95* | 44-33066 | 13.95 | 52-31212 | .12 | 64-08165 | 3.00 |
| 38-01073 | 1.95 | 44-46019 | 109.95 | 52-31295 | . 12 | 64-08421 | 3.00 |
| 38-01123 | 29.95 | 44-70167 | 36.00 | 52-31378 | . 12 | 64-08876 | 3.00 |
| 38-01131 | 39.95 | 44-70183 | 30.00 | 52-31451 | . 12 | 64-09031 | 3.00 |
| 38-01149 | 54.95* | -44-70316 | 45.00 | 52-31535 | . 12 | 64-09080 | 3.00 |
| 38-01156 | 29.95* | 44-70340 | 39.95\% | 52-40734 | . 18 | 64-09098 | 3.00 |
| 38-01164 | 39.95* | 46-09004 | 2.25 | 52-80466 | . 24 | 64-09122 | 3.00 |
| 38-03004 | 24.95* | 46-10010 | 2.25 | 52-80730 | . 24 | 64-09288 | 3.00 |
| 38-13037 | 59.85 | 46-10028 | 2.25 | 52-80979 | . 24 | 64-09643 | 3.00 |
| 38-17301 | 399.95 | 46-10036 | 2.25 | 52-81217 | . 24 | 64-09650 | 3.00 |
| 38-17327 | 129.95 | 46-10044 | 2.25 | 53-10305 | . 48 | 64-09817 | 3.00 |
| 38-24018 | 14.95 | 46-10051 | 2.25 | 53-10321 | . 48 | 64-10005 | 3.00 |
| 38-26435 | 109.95 | 46-10077 | 2.25 | 53-10495 | . 48 | 64-10054 | 3.00 |
| 38-26443 | 169.95 | 46-10093 | 2.25 | 53-10560 | . 48 | 64-10963 | 3.00 |
| 38-26526 | 99.95 | 46-10101 | 2.25 | 53-10578 | . 48 | 64-10571 | 3.00 |
| 38-26534 | 149.95 | 46-10119 | 2.25 | 53-10669 | . 48 | 99-01950 | 319.95 |
| 38-27227 | 54.95 | 46-10127 | 2.25 | 53-10735 | . 48 | 99-01984 | 259.95* |
| 38-27433 | 249.95 | 46-10135 | 2.25 | 53-10800 | . 48 | 99-02081 | 239.95* |
| 38-40006 | 159.95 | 46-10143 | 2.25 | 53-10917 | . 48 | 99-02099 | 29.95 |
| 38-40C14 | 39.95* | 46-10150 | 2.25 | 53-10958 | . 48 | 99-02115 | 49.95 |
| 38-48595 | 65.00* | 46-15076 | 2.25 | 53-11014 | . 48 | 99-02131 | 29.95 |
| 40-01046 | 15.95 | 46-15092 | 2.25 | 53-11c30 | . 48 | 99-02149 | 89.95 |
| 40-01053 | 19.95 | 46-15118 | 2.25 | 63-01030 | 3.25 | 99-02156 | 199.95* |
| 40-01061 | 89.95* | 46-15126 | 2.25 | 63-01576 | 3.25 | 99-02172 | 229.95* |
| 40-01137 | 6.95 | 46-15134 | 2.25 | 63-01840 | 3.25 | 99-02214 | 149.95 |
| 40-01152 | 12.95 | 46-15142 | 2.25 | 63-02012 | 3.25 | 99-02248 | 99.95* |
| 40-01160 | 7.50 | 46-15159 | 2.25 | 63-02277 | 3.25 | 99-02255 | 19.95 |
| 40-01178 | 9.50 | 52-20736 | . 13 | 63-02376 | 3.25 | 99-02263 | 99.95 |
| 40-21002 | 11.95 | 52-20975 | . 13 | 63-02764 | 3.25 | 99-02297 | 119.95 |
| 40-25656 | 275.00 | 52-21056 | . 13 | 63-02 622 | 3.25 | 99-02321 | 39.95 |
| 40-60240 | 169.00 | 52-30016 | . 12 | 63-02962 | 3.25 | 99-02339 | 69.95 $=$ |
| 40-60257 | 169.00 | 52-30255 | . 12 | 63-03002 | 3.25 | 99-02362 | 119.95* |
| 40-65306 | 475.00 | 52-30412 | . 12 | 64-03109 | 3.00 | 99-02370 | 69.95 |
| 40-82103 | 5.95 | 52-30453 | .12 | 64-03422 | 3.00 | 99-15844 | 119.95* |
| 42-01133 | 18.95 | 52-30495 | . 12 | 64-03539 | 3.00 | 99-31486 | 189.95* |
| 42-01448 | 19.95 | 52-30537 | .12 | 64-03927 | 3.00 | 99-32146 | 149.95 |
| 42-01554 | 8.95 | 52-30578 | . 12 | 64-03984 | 3.00 | 99-32369 | 149.95* |
| 42-01562 | 12.95 | 52-30594 | . 12 | 64-04297 | 3.00 | 99-32377 | 299.95* |
| 42-01596 | 10.95 | 52-30610 | . 12 | 64-0.4388 | 3.00 | 99-35438 | 59.95 |

BASE PRICE LIST (continued)

| STOCK | PRICE | STOCK | PRICE | STOCK | $*$ | PRICE | STOCK \# |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | PRICE

## INFORMATION ABOUT PRICE STABILIZATION

The Price Stabilization Program is the set of regulations which controls prices. Under this program, retailer's markups are frozen to that of the base price period. When the cost of acquiring goods increases, the retailer is permitted to raise prices by an amount equal to the increase in cost plus the customary initial percentage markup in effect during the base price period. Following is the price list of best selling items
in each department which was in effect during the Base Period. An * after price indicates this item is not shown in this catalog. If you want base price information on an item not on our list please write to Lafayette Radio Electronics, P.O. Box 450, Syosset, N.Y. 11791, Attention: Base Price Information.

## BASE PRICE LIST

| CK | PRICE | STOCK | PRICE | STOCK \# | PRICE | STOCK | PRICE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10-10396 | 18.75* | 12-10012 | 24.95 | 14.43043 | 29.95 | 17-02299 | 119.95* |
| 10-10669 | 14.85 | 12-15508 | 8.50 | $14-43050$ | 34.95* | 17-31546 | 59.95* |
| 10-11006 | 4.45 | 12-25507 | 3.95\% | $14-43142$ | 12.95 | 17-31868 | 299.95* |
| 10-11386 | 12.75 | 12-28519 | 95 | $14-48042$ | 59.95* | 17-41008 | 29.95* |
| 10-11972 | 4.95 | 12-28527 | 3.95 | 14-48059 | 29. | 17-53110 | 5* |
| 10-11980 | 8.95 | 12-56510 | 64.95 | 14-60013 | 12.95 * | 17-53169 | 69.95* |
| 10-12012 | 6.95 | 12-69521 | 22.95 | 14-63504 |  | 17-58002 | 59.95* |
| 10-12038 | 3.95 | 12-69570 | 39.95 | 14-67539 |  | 17-63 C10 | 95 |
| 10-12582 | 5.95 | 12-78506 | 13.95* | $14-82025$ | 39.95 $1.95 *$ | 17-69421 | * |
| 10-14000 | 3.95 | 12-87C10 | 21.95 | 15-16160 | 17.95 | 17-74496 | 74.95 |
| 10-21286 | 6.95 | 12-87069 | 99.95* | 15-30203 | 179.95* | 17-74595 | 119.95\% |
| 10-22151 | 3.50 | 13-01407 | 7.95 | 15-34163 | 35.95\% | 18-01802 | 34.95 |
| 10-22524 | 4.50 | 13-01548 | 109.95 | 15-34551 | 224.95 | 18-01828 | 21.95 |
| 10-23050 | 6.50 | 13-01563 | 149.95** | 15-36390 | 24.95 26.95 | 18-01836 | 15.95 |
| 10-23068 | 5.75 * | 13-01597 | $149.95 *$ | 1 |  | 18-01844 | 95 |
| 10-23159 | 4.25 | 13-01639 | $22.95 *$ | 15-36754 | 109.95 | 18-01893 | 31.95 |
| 10-23613 | 4.95 | 13-01647 | 199.95 | 15-36762 | 89.95 | 18-02149 | 21.95 |
| 10-23902 | 3.50 | 13-01654 | 199.95* | 15-37158 | 19.95 | 18-02172 | 4.95 |
| 10-24017 | 3.50 | 13-01662 | 79.95 | 15-37455 | 199.95* | 18-02180 | 29.95 |
| 10-24165 | 2.25* | 13-20548 | 19.95 | $15-37455$ $15-40 c 79$ | 199.95 74.95 | 18-02198 | 19.95 |
| 10-24215 | 4.50 | 13-24532 | 59.95 | $15-40 c 79$ $15-40160$ | $\begin{gathered} 74.95 \\ 174.95 \end{gathered}$ | 18-02206 | 9.95* |
| 10-24512 | 6.95 | 13-24557 | 129.95 |  | $174.95 \%$ | 18-14011 | 35.97 |
| 10-24546 | 6.95 | 13-24599 | 49.9 | $\left\lvert\, \begin{aligned} & 15-40186 \\ & 15-42018 \end{aligned}\right.$ |  | 18-14037 | 28.78 |
| 10-28018 | 9.95 | 13-24615 | 49.95 | 15-42018 |  | 18-60782 | 69.97 |
| 10-36078 | 2.00 | 13-24656 | 39.95 | $15-44014$ $15-46 C 19$ | $\begin{aligned} & 18.95 \% \\ & 29.95 \div \end{aligned}$ | 19-09050 | 22.95* |
| 10-36201 | 2.00 | 13-31180 | 11.95* | 15-46C19 |  | 19-09142 | 17.95= |
| 10-36235 | 3.00 | 13-31354 | 5.99: |  |  | 19-09159 | 22.95 |
| 10-41011 | 3.9 | 13-39159 | 8.95 | $115-46035$ |  | 19-09167 | 22.95 |
| 10-47c18 | 2.00 | 13-48C02 | 39.95 |  |  | 19-18C44 | 24.95 |
| 10-47042 | 2.50 | 13-661.29 | 24.95* | $15-52132$ $15-52140$ |  | 19-30023 | 9 |
| 10-47109 | 1.95 | 13-66301 | 29.95 | 15-52140 | 109.95 | 19-30031 | 14 |
| 10-50095 | 8.95 | 13-66400 | 79.95 | 15-55002 | 89.95* | 19-38034 | 8.95 |
| 10-51598 | 4.00 | 13-66509 | 169.95 | 15-58C06 | 23.95* | $19-40071$ | 17.95* |
| 10-57041 | 4.50 | 13-66525 | 27.95 | 15-63055 | 119.95 | 19-55285 | 5.00 |
| $10-57116$ | 2.25 | 13-71293 | 29.95 | 15-64 C20 | 7.95 | 19-66019 | 9.95 |
| 10-75159 | 8. | 13-75526 | 24.95 | 15-64038 | 21.95 | 19-66175 | 29.95* |
| 10-89010 | 4.50 | 14-10141 | 149.50 | 15-64C95 | 13.95* | 19-66183 | 14.95 |
| 10-89036 | 2.50 | 14-12055 | 4.50 | 15-65134 | 154.95* | 19-69005 | 9.95 |
| 10-89085 | 1.00 | 14-14515 | 13.95 | 15-74C11 | 16.95 | 19-70011 | 95 |
| 10-89119 | 2.50 | 14-15017 | 1.39* | 15-76065 | 109.95* | 19-70151 | 5.95 |
| 11-01013 | 28.95 | 14-16502 | 1.49 | 15-84C93 | 26.95 | 19-70169 | 2.95 |
| 11-01054 | 16.95 | 14-18011 | 8.50 | 17-01135 | 39.95 $=$ | 19-70177 | 9.95 |
| 11-01062 | 29.95 | 14-21031 | 5.95 | 17-01143 | 39.95* | 19-70185 | 24.95 |
| 11-24502 | 49.95 | 14-21072 | 9.95* | 17-01788 | 22.95* | 20-01105 | 24.95* |
| 11-3550.8 | 39.95 | 14-21106 | 15.95 | 17-01796 | 34.95** | 20-01147 | 64.95* |
| 11-42C17 | 31.95 | 14-21130 | 3.95* | 17-01804 | 34.95** | 20-01493 | 44.95 |
| 11-62015 | 27.88 | 14-29505 | 34.95 | 17-01853 | 16.95* | 20-01501 | 32.95 |
| 11-84506 | 39.95 | 14-39058 | . 69 | 17-01879 | 27.95* | 20-23026 | 27.95* |
| 11-89505 | 39.95 | 14-41609 | 22.95 | 17-01887 | 34.95* | 21-01731 | 44.95* |
| 11-89562 | 109.95 | 14-42508 | 17.95 | 17-01895 | 29.95* | 21-23545 | 79.95 |
| 12-01011 | 5.95 | 14-42532 | 26.95 | 17-01929 | 22.95* | 21-37925 | 39:50* |

IIItriplett Panel Meters
METER SPECIFICATIONS
ACCURACY: Standard $\pm \mathbf{2 \%}$ on AC and DC
D.C. INSTRUMENTS are the O'Arsonval type with linear scales, extra-light moving coil; rugged construction; Bar-Ring Magnet and 1 piece 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 pivots; white enameled metal dials are standard; molded zero adjusters, and ceramic pointer stops. Average shpg. Wt., $11 / 4 \mathrm{lb}$.

## AC AMMETERS

| Range | Model | Stock No. | Each |
| :---: | :---: | :---: | :---: |
| 0-1 | 2375 | 38 P 76604 | 17.60 |
| 0-2 | 3375 | 38 P 76679 | 18.80 |
| 0-3 | 430 | 38 P 76737 | 19.90 |
| 0-5 | 2375 | 38 P 76752 | 17.60 |
| 0.10 | 430 | 38 P 76836 | 19.90 |
| 0-15 | 3375 | 38 P 76877 | 18.80 |
| 0.15 | 430 | 38 P 76885 | 19.90 |
| 0.25 | 2315 | 38 P 76893 | 17.60 |
| $0-25$ | 430 | 38 P 76935 | 19.90 |
| 0-25 | 430G | 38 P 77958 | 19.90 |
| 0-30 | 2315 | 38 P 76943 | 17.60 |
| 0-50 | 430G | 38 P 77966 | 19.90 |
| 0-50 | 430 | 38 P 77040 | 19.90 |
| AC VOLTMETERS |  |  |  |
| Aange | Model | Stock No. | Each |
| 0-150 | 2315 | $38 \times 77487$ | 18.80 |
| 0-150 | 2375 | 38 P 77495 | 18.80 |
| 0-150 | 3375 | 38 P 77511 | 19.90 |
| 0-150 | 430 | 38 P 77529 | 21.00 |
| 0-150 | 430G | 38 P 77933 | 21.00 |
| 0-250 | 430 | 38 P 77578 | 21.00 |
| 0-300 | 430G | 38 P 77941 | 21.00 |



420
430


2217
2211
3211
2315
3315

* Indicates suspension type movement
$\dagger$ Indicates pivot and jewel type
DC MICROAMMETERS

| ange | Model | Stock No. |  |
| :---: | :---: | :---: | :---: |
| 0-50t | 2217 | 38 P 733 | 23 |
| $0-100+$ | 227 | 38 P 733 | 22. |
| 0-100t | 420 | 38 P 7340 | 24 |
| 0-200t | 420 G | 38 P 77826 | 22 |
| 0-500 $\dagger$ | 2275 | 38 P 73478 | 19 |
| 0-500t | 320 G | 38 P 77768 |  |
| -500 | 420 G | 38 P 77834 | 21.5 |
| 0-0.50* | $221 T$ | 38 P 73510 | 23. |
| 100-0-100* | 2215 | 38 P 73569 | 2. |
| 100-0-100* | 2275 | 38 P 73577 | 22. |
| 100-0-100* | 320G | 38 P 71784 | 23. |
| 00-0-100 | 420 C | 38 P 7785 |  |

DC VOLTMETERS
1000 ohms Per Voit

| Range | Model | Stock No. | Each |
| :--- | :--- | :--- | ---: |
| $0-3$ | 221 T | 38 P 75135 | 19.90 |
| $0-15$ | 327 T | 38 P 75317 | 21.00 |
| $0-15$ | 420 | 36 P 75325 | 22.10 |
| $0-25$ | 221 T | 38 P 75333 | 19.90 |
| $0-25$ | 321 T | 38 P 75358 | 21.00 |
| $0-50$ | 420 G | 38 P 78253 | 22.10 |
| $0-150$ | 321 T | 38 P 75507 | 21.00 |

METER DIMENSIONS
Round Flush Mounting


| Range | Model | Stock No | 3ch |
| :---: | :---: | :---: | :---: |
| $0-1$ | 2271 | 38P73676 | 18.20 |
| 0.1 | 320 G | 38 P 77974 | 19.30 |
| 0.1 | 420 | 38 P 73700 | 20.40 |
| 0.1 | 420 G | 38 P 78097 | 20.40 |
| 0.5 | 321 T | 38 P 73833 | 19.30 |
| 0-25 | 221 T | 38 P 73965 | 18.20 |
| 0-25 | 321 T | 38 P 73981 | 19.30 |
| 0-100 | 320G | 38 P 78030 | 19.30 |
| 0-500 | 320G | 38 P 78063 | 19.30 |
| $0-500$ | 420 | 38 P 74468 | 20.40 |
| 0-500 | 420 G | 38 P 78188 | 20.40 |
| 0-1000 | 320G | 38 P 78089 | 19.30 |

DC MILLIVOLTMETERS

| Range | Model | Stock No. | Each |
| :---: | :---: | :---: | :---: |
| 0-50 | 2275 | 38 P 76059 | 18.80 |
| 0-100 | 420 | 38 P 76133 | 21.00 |
| 0-150 | 420 | 38 P 76182 | 21.00 |
| DC AMMETERS |  |  |  |
| Range | Modet | Stock No. | Each |
| 0-10 | 420 | 38 P 74765 | 21.00 |
| 0-50 | 420 G | 38 P 77917 | 21.00 |

## SHURITE PANEL METERS <br> glass front Type 950



CLEAR PLASTIC Type 850

Economy model panel meters with fast response, excellent torque-to-weight ratio, long seales, and accuracy well within standard $5 \%$. All have zero adjust. AC are double-vane repulsion type with jeweled bearings. DC are polarized-vane solenoid type or moving magnet construction. Require a $2 \%$ " hole. " H " indicates high resistance. Model 850: Attractive plastic meters with $2^{11 / 32} \mathrm{~W} \times 2 \mathrm{~K}_{4}{ }^{\prime \prime} \mathrm{H}$ Crystal polystyrene front for exceptional visibility and protection. Frosted finish interior. Model 950: Sturdy metal case glass front meters. Flange-mounted. Average shpg. wt., 6 oz .

## ALL SHURITE METERS FEATURE

 1. $+5 \%$ Accuracy 2. Zero AdjustD.G. MILLIAMMETERS

| Range | Type 950 | Net Each | Type 850 | $\begin{array}{r} \text { Net } \\ \text { Each } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: |
| 0-1 |  |  | 38 P 50087 | 4.85 |
| 0-3 | 38 P 60822 | 4.00 | 38 P 60095 | 4.10 |
| 0-5 | 36 P 60848 | 3.70 | 38 P 60111 | 3.80 |
| 0-10 | 38 P 60855 | 3.55 | 38 P 60129 | 3.65 |
| 0-50 | 38 P 60889 | 3.55 | 38 P 60152 | 3.65 |
| 0-100 | 38 P 60897 | 3.55 | 38 P 60160 | 3.65 |
| 0-150 | 38 P 60905 | 3.55 | 38 P 60178 | 3.65 |
| 0-200 | 38 P 60913 | 3.55 | 38 P 60186 |  |
| $0-300$ | 38 P 60921 | 3.55 | 38 P 60194 |  |
| 0-500 | 38 P 60947 | 3.55 | 38 P 60210 |  |

A.C. METERS TYPE 850
A.C. YOLTMETERS A.C. AMMETERS

Range Stock No. Net Range Stock No. Net
$0-10 \quad 38$ P $593035.10 \mid 0-1 \quad 38$ P 592385.00 0-15 38 P 59311 5.10 0-3 38 P 592465.00 $0-25 \quad 38$ P $593295.10 \mid 0.5 \quad 38$ P 592535.00 $\begin{array}{llllllllllll}0-50 & 38 & \text { P } 59337 & 5.10 & 0-10 & 38 & \text { P } 592615.00\end{array}$ $0-15038$ P $59345 \quad 5.30 \mid 0-1538$ P 592795.00
 0-50 38 P $59295 \quad 5.35$
D.C. AMMETERS

| Hange | Type 950 | Net Each | Type 850 | Net |
| :---: | :---: | :---: | :---: | :---: |
| 0-1 | 38 P 60954 | 3.55 | 38 P 60228 | 3.65 |
| 0.3 | 38 P 60962 | 3.55 | 38 P 6023 | 65 |
| $0-5$ | 38 P 60517 | 3.55 | 38 P 602 | 65 |
| 0-8 | 38 P 60525 | 3.55 |  |  |
| 0-10 | 38 P 60533 | 3.55 | 38 P 6025 | . 65 |
| 0-15 | 38 P 60541 | 3.55 | 38 P 6026 | 3.65 |
| 0.25 | 38 P 60558 | 3.95 | 38 P 60277 | 4.05 |
| 0.50 | 38 P 60566 | 3.95 | 38 P 61440 | 4.05 |
| 5-0.5 | 38 P 60582 | 3.65 |  |  |
| 6-0.6 | 38 P 60590 | 3.65 |  |  |
| 10-0-10 | 38 P 60608 | 3.95 | 38 P 61457 | 4.85 |
| 20.0-20 | 38 P 60616 | 3.95 | 38 P 61465 | 4.05 |
| 30-0-30 | 38 P 60624 | 3.95 | 38 P 61473 | 4.05 |
| 50-0-50 | 38 P 60632 |  |  |  |

## RESISTANCE METERS

## 10,000

| ohms | 38 | 3 |
| :--- | :--- | :--- | :--- | :--- | :--- |

D.C. MICROAMMETERS

| 0.500 | 38 | P 61671 | 5.20 | 38 |
| :--- | :--- | :--- | :--- | :--- |

EMICO PANEL METERS

| Stock No. | Range | Net | Stock No. | Range | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 38 P 31773 | 0.10 | 3.30 | 38 P 32037 | 0-3 | 3.30 |
| 38 P 31781 | $0 \cdot 15$ | 3.30 | 38 P 32045 | $0 \cdot 10$ | 3.30 |
| 38 P 31799 | $0-30$ | 3.30 | 38 P 32052 | 0.15 | 3.30 |
| AC VOLTMETERS |  |  | 38 P 32060 | 0-20 | 3.30 |
| 38 P 31542 | 0.150 | 5.05 | 38 P 32078 | 0.30 | 3.30 |
| 38 P 31559 | 0.300 | 5.35 | 38 P 32086 | $0 \cdot 50$ | 3.30 |
| AC MILL | AMME | RS | AC AMMETER |  |  |
| 38 P 32227 | 0.500 | 4.50 | 38 P 32185 | 0.5 | 4.50 |

DC MILLIAMMETERS
Stack No. Rangè Net
38 P $31377 \quad 0.1 \quad 4.40$

| 38 | $P 1385$ | 0.5 | 3.55 |
| :--- | :--- | :--- | :--- |


| 38 P 31393 | $0-10$ | 3.40 |
| :--- | :--- | :--- |


| 38 P 31401 | $0-20$ | 3.30 |
| :--- | :--- | :--- |

$\begin{array}{ll}0.30 & 3.30\end{array}$
$\begin{array}{llll}38 & P & 31427 & 0-50\end{array} \quad 3.30$
38 P 31443
$\begin{array}{lll}38 & P & 31443 \\ 38 & 0.150 & 3.30\end{array}$
$\begin{array}{lll}38 \text { P } 31450 & 0-200 & 3.30 \\ 38 \text { P } 31468 & 0.300 & 3.30\end{array}$
$\begin{array}{llll}38 & \text { P } 31476 & 0.500 & 3.30\end{array}$

All models pre-calibrated and accurate within $5 \%$ Styled to enhance apparance of electrica
equipment. Meter movements: DC meters-"HI-TORK" magnetic and AC meters-mav ing iron type. Model 13. $3 / 4 \times 1{ }^{1} / 1_{6} \times 21 / 8^{\prime \prime}$ all plastic design. Screw termina!s with solder ing lugs. Supplied with all mounting hardware. Avg shpg. wt., 40 oz .


## LaFAYETTE Panal Meiers

## MINIATHPE Fiñ à 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 OC. Internal resistance about 1200 ohms. Imported.
99 P 50262
Net 2.99

## AM TUNING METER

AM TUNING METER. Can be connected into the second IF stage of AM radio, Graduated scale with maxlmum deflection of pointer indicating station being tuned in. Sensitivity $500 \mu \mathrm{a}$. on full scale. Int. resistance about 410 ohms. Imported.
99 P 50254
.Net 2.19

## LAFAYETTE MINIATURE LEVEL METER



- Highly Sensitive
- Front Panel Area Only 7/6W $\times 1 / 10$ " H
- Rubber Cushion Mount
A minlature clear piastic front level meter which will indicate relative audio levels for. tape recorders, FM sets or transistorized audio equipment. Actual size of meter is ${ }^{13} / 4$ D $\times 1 W \times 1$ "L. Internal resistance - 260 ohms. Full scale 500 microamps. Shpg. wt., 2 oz. Imported.
99 P 50361
Net 2.15


## ULTRA-MINIATURE TUNING AND BATTERY METER



Ultra-miniature meter can be installed easily in a Ko" diameter hole. Current sensitivity: $500 \mu a_{i} \pm 15 \%$ at 'full scale. Internal resisi. ance: 500 ohms $\pm 10 \%$, Imported. Shpg. wt., 207.
99 P 50353
Net 2.15

METER
RECTIFIER

## ony 53



A full wave economical meter rectifier of exceptionally linear characteristics, Universal .electrical replacement for most multimeters, such as Lafayette's minlature V.O.M.'s. Single screw mount. Long terminals. imported. Shpg. wt., 2 oz.
99 P 62077
Net .53

PANEL METERS WITH D'ARSONVAL MOVEMENTS

(A) $31 / a^{\prime \prime}$ Square

- Jewelled Bearings

(B) $31 / m^{n}$ Square

(C) 1\%:" Square

High quality, precision built meters with better than $2 \%$ full scale accuracy. All meters have 4 threaded mounting studs in corners, zero adjust screw and clear plastic fronts except (B) which has black bakelite. Terminal polarity on DC models is identified. VU meters have illuminated dials for easy, wide-angle readability at all times. Volume level indicator calibrated in standard -20 to $\$ 3 \mathrm{VU}$ and $0-100 \%$ ranges. Reference level 1 mw , in 600 ohm line. 3,900 ohms internal resistance. Ammeters are highly damped, use linear calibration. Dimensions: (A) ( 8 ), $316^{\prime \prime}$ square, $2 K_{10} \times 138^{\prime \prime}$ dial taces, $1 K_{n \prime \prime}^{\prime \prime}$ overall depth, $1 \%^{\prime \prime}$ behind panel including terminals. Miniature meters, Fig. (C), with silvered dials, black pointers $-1 \%{ }^{\prime \prime}$ square fronts, $11 / 2^{\prime \prime}$ overall front-to back with $11 / /^{\prime \prime}$ behind panel including $1 / 4^{\prime \prime}$ terminals, Panel mig. hole requirements: Fig. (A), $29_{6}^{\prime \prime}$; Fig. (B), $21 / 4^{n \prime}$; Fig. (C), $11 / 2^{\prime \prime}$. Supplled with mounting screws. Imported. Average shpg. $w t_{0}, 3 / 4 \mathrm{lb}$.

| STOCX NO. | FIG. | RANCE | EACH | STOCK NO. | FIG. | RANGE | EACH |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 P 50437 | A V.U. | Meter | 5.59 | 99 P 50544 | C 0-50 | DC Milliamp. | 2.89 |
| 99 P 50247 | C V.U. | Meter | 4.29 | 99 P 50551 | c $0-100$ | DC Milliamp. | 2.95 |
| 99 P 50429 | $8 \quad 0.50$ | DC Microamp. | 5.25 | 99 P 50494 | C 0-50 | DC Microamp. | 4.75 |
| 99 P 50403 | $B \quad 0-1$ | DC Milliamp. | 4.69 | 99 P 50478 | C 0-15 | DC Voit | 3.59 |
| 99 P 50528 | C 0.1 | DC Milliamp. | 4.25 | 99 P 50502 | C 0150 | AC-Volt | 3.39 |

## LAFAYETTE EDGE.WISE PANEL METERS


(A)


そu ivieter ( $A$ )
Has procision ÜArsonval meter with $2 \%$ or better full scale accuracy. Calibrated and damped. Upper scale reads -20 to $\rightarrow 3 \mathrm{VU}$. Lower scale reads $0.100 \%$ modulation. Accurate to $\pm 0.5 \mathrm{~V} \dot{\mathrm{~L}}$ from $30-15000 \mathrm{~Hz}$. Size: $31,4 \mathrm{Wx}$ " H . Overal depth is $31 / 2^{\prime \prime}$ behind panel including terimnals. Has stud.type solder terminals and zero adjustment screw. Shpg. wt., 9 oz. Imported.
99 P 50338
Net 5.95

## BALANCE \& TUNING METER (B)

Use these precison moving coll DC Ammeter meter movements as stereo balance indicators or as tuning indicators for FM tuners. Pointer at center of the scale indicates zero or null position. Current Sensitivity: $\pm 100 \mu \mathrm{a}$ on both sides. Complete with installation schematics. Clear plastic case. Meter body: $1 \% 6^{2} \times 1 / 2 \mathrm{~W} \times 3$ "0. Depth behind panel-1". Imported.
Shpg. wt., 3 oz.
99 P 50346
Net 3.29

## SPECIALTY METERS BY JBT



## AC FREQUENCY METER

 Model 34.FX, $56-64 \mathrm{~Hz}$.vibrating reed meters for measuring frequency of $A C$ power sources in 1-cycle steps! $\pm 0.3 \%$ at $77 \circ$. Flange $31 / 2^{\prime \prime}$, mounts in $2111^{\prime \prime}$ hole, overall depth $3 \mathrm{Kan}^{\prime \prime}$. For 100.130 volts. Shpg. wt., 1 lb .
Model 34-FX. $56-64 \mathrm{~Hz}$.
38 P 67025
.Net 31.60


ELAPSED TIME METER Model 31-EXW-5
Records operating time of AC equipment. Registers in $1 / 10$ th hour steps to $9,999.9$ hours, then automatically resets. Flange $31 / 2^{\prime \prime}$. mounts in $2^{11}$ /o" hole, overall depth $3 \mathrm{Km} \mathrm{\prime} \mathrm{\prime}$. For $110-120 \mathrm{~V}$., $60 \mathrm{~Hz}, \mathrm{AC}$. Shpg. wt., 1 lb .
38 P 67058
Net 18.25

MINIATURE LAFAYETTE VU METERS


1\%:" Square

## - Jewelled Bearings

- Precision D'Arsonval Movement

Precison VU meters with scale calibrated from -20 to +3 VU and $0-100 \%$ Ranges. Impedance: 7.5 K ohms, Accuracy: $\pm 0.5 \mathrm{db}$. Frequency Response: 25 to 10 KC . With external zero adjust. Mount in $11 / 2^{\prime \prime}$ D hole. Wt. 5 oz. 99 P 50577

Net 2.99

## Bench Power Supplies-Battery Eliminators \& Chargers

## Lafayette SOLID-STATE REGULATED DC BENCH POWER SUPPLY



- Automatic Protection Against Overload
- Continuously Variable Output Voltage 5-13, 12-20 VDC at 0.2 Amp
- Output Voltage Regulation: $\pm 1 \%$

Lab-type regulated DC bench power supply with dual range voltage selector. Ideal for all types of transistor servicing and testing. Provides well filtered, continuously adjustable DC output of $\mathbf{5 . 1 3}$ 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'Rrsonval 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
VAC $\pm 10 \% 50 / 60 \mathrm{~Hz}$, Housed in a rugged steel case. Size: $61 / \mathrm{H}$ $\times 41 / 2 W \times 833 / 20$. Imported. Shpg. wt., $81 / 4 \mathrm{lbs}$.
99 P 50775
Net 46.95

## EICO BATTERY ELIMINATOR AND CHARGER KITS


T. MODEL TOGOS KIT. SPECIALLY DESIGNED FOR SERVICING ALL TPPES OF TRANSISTOR EQUIPMENT, Selection of voltage range automattcally provides appropriate current range. Fused transformer primary. Continuous voltage adjustment 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 amps : 6 amps . continvous, 12 amps intermittent: low $=0.8 \mathrm{v} .0 .3 \%$ ripple at 2 amps. $1.5 \%$ at 10 amps . 10 amps continuous, 20 amps Intermittent. Heavy-duty silicon rectifiers. For $105-125$ volts $50 / 60 \mathrm{~Hz}$ A.C. All components and Instructions included. $83 / 4 \times 101 / 2 \times 73 / 4{ }^{2}$. Shpg. wt., $171 / 4 \mathrm{lbs}$. 38 P 27284 Kit

Net 54.95 Model 1060S. As above, but tactory wlred and tested.
38 P 27292
. Net 74.95
[] MODEL IOG4S KIY. IDEAL FOR TRANSISTOR, TUBE, "HYBRID" AUTO RADIO REPAIR. Features 2 DC voltage ranges, 6 of 12 V . DC. Separate voltmeter and dual range ammeter-up to 10 amperes continuous. Heavy duty silicon rectifiers. AC ripple: $0.3 \%$ @ 2 amperes. For $105-125$ volts, $50 / 60 \mathrm{~Hz}$; Size: $81 / 2^{\prime \prime} \mathrm{H} \times 53 / 4 \mathrm{~W} \times 71 / 2^{\prime \prime} \mathrm{D}$.
Shpg. wt., $161 / 2 \mathrm{lbs}$.
38 P. 27300 Kit
Net 59.95
Model 1064 S . As above, but factory wired and tested.
38 P 27318
Net 79.95

## EICO MODEL 1032 SOLID STATE 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 requirement. 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: $33 / 4 \times 8 \times 43 / 4{ }^{\prime \prime}$. Shpg. wt., 7 lbs . 38 P. 27581 Model 1032 Kit. No Money Down ${ }^{\circ}$.... Net 44.95 MODEL 1032W: As above but factory wired and tested. 38 P 27599 No Money Down ${ }^{\text {* }}$

Net 59.95

## EICO 1020 TRANSISTOR DC POWER AND BIAS SUPPLY KIT



APPLICATIONS INCLUDE:

1) Universal Power Supply For Transistor Devices
2) Variable Bias Supply for TV or Radio
3) DC Filament Supply

Continuously variable output voltage to 30 volts monitored by a dual range voltmeter ( $0.6,0.30$ VDC). Ideal for servicing both tube and transistor gear. Maximum contínuous output; 150 ma from 0.12 V . 200 ma from 12-24v.i 300 ma from $24-30 \mathrm{v}$. Full-wave sllicon-diode rectlfier circult with R-C input fliter plus two power translstors in a cascaded filter circuit. Fuse protects unit against overload. Rugged steel case, $4 \mathrm{~W} \times 5 \mathrm{H} \times 5 \frac{1}{2 \prime \prime} \mathrm{D}$. For $105-125$ v., 60 Hz AC ,
38 P 26955 Model 1020 Kit. Shpg. wt., $41 / 2$ lbs. ...... Net 25.95 MODEL 1020W-AS above but factory wired. 38 P 26963 No Money Down*

Net 39.95

EICO 1080200 WATT INVERTER CHARGER


- Converts 12 VDC to 115 volts RMS AC


A solid 220 watts of power is available at 115 volts rms AC, when this unit is connected to the 12 volt DC storage battery on your car, truck, boat, etc. With a "flip of the switch" the Model 1080 operates as a battery charger using the 117 volt AC supply available at home or boat dock. Install it permanently for use both as inverter and charger. Battery charger is rated 5 amps; automatically tapers current down to prevent overcharging. Size: $4^{+1} \times 6^{\circ \prime} \times 53 / 4^{\circ}$. Wt., 7 lbs. 38 P 27755 Model 1080 Kit.................................... 44.95 38 P 27763 Model 1080 Wired (No Money Down*). Net 58.95

# Power Supplies, R-C Substitution Boxes and Analyzers 

## LAFAYETTE SOLID-STATE DC POWER SUPPLY/BATTERY ELIMINATOR

## LAFAYETTE TRANSISTORIZED DC POWER SUPPLY



- Use As A DC Power Supply
- Use As A Battery Eliminator For Transistor Radios
- 4.5, 6, 9, and 12V Output Voltages
- Up to 140 MA Output

Essential instrument for repair of solld 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 v. 6 v . and 12 v . Voltage selection I simpilified with front panel slide switches. Up to 140 MA output. Features transformer power supply and pitot light. For 117 VAC. Overall size:


Net 8.60

## \section*{99 P 50742} <br> SENCORE BE156 7 IN 1 DC BIAS SUPPLY



Now allenn any black and white, tube or solid state TV set. The BE156 blas supply provides the bias that you need in any stage, negative or positive, as specified by the TV manufacturers. Three separate and Independent 25 volt supplies offer a carefully 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 amplifiers that specify 67.5 volts. $7^{\prime \prime W} \times 4^{\prime \prime} \mathrm{D} \times 2^{\prime \prime} \mathrm{H}$. SHpg. wt., $21 / 2 \mathrm{lbs}$.
38 P 53355
Net 24.95

## SENCORE R-C 146 SUBSTITUTION BOX FOR CAPACITORS, RESISTORS, AND RECTIFIERS



- 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
Save valuable servicing time 'hunting up' exact components for substitution testing only. Provides twelve 1-watt resistors from 10 to 5.6 k ohms. Twelve $1 / 2$-watt resistors from 10 k to 5.6 megohms. Ten 600 -volt capacitors from 100 mmfd 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 waits from 2.5 to 15,000 ohms, and a universal 0.5 amp. sllicon and selenium rectlfier for substitution. Size: $101 / x$ $43 / 4 \times 43 / 4^{\prime \prime}$. Shpg. wt., $53 / 4 \mathrm{lbs}$.
38 P 53363 No Money Duwn*
Net 69.95
- AC Ripple Less Than .025\%
- Transistorized Regulation Circuitry

Provides continuously variable voltage and current with low ripple. Excellent for operation of transistorlzed devices. Panel meter reads either current or vollage. SPECIFICATIONS-Output voltages $0-20$ 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 voits, $50-60 \mathrm{~Hz}, A C$. Fully fused. Size: $61 / 4 \times 1 / / 8 \times 33 / 4^{\prime \prime}$. Imported. Shipg. wt., $23 / 41 \mathrm{bs}$.
99 P 50684
Net 18.65
LAFAYETTE R-C SUBSTITUTION BOX

- 24 Resistance Values
- 9 Capacitance Ranges
$5^{40}$


Enables rapid substitution of a wide range of resistor or capacitor values. Resistance values in two ranges ( 12 steps each)-Low: 15 ohms to 10 K ohms; High: 15 K ohms to 10 Meg ohms. $\pm 10 \%$ accu. racy. Capacitance ranges are: .0001; .0010; .0022; .0047; .010; .022; $0.47 ; 10: 22$ MFD (rated at 400 volt working capacity). Size: $51 / 4 \mathrm{x}$ $23 / 4 \times 13 / 4$ "H. Imported.
99 P 50759 Shpg. wt, $23 / 4 \mathrm{fb}$.
Net 5.40

## SPRAGUE MODEL TO-6 TELOHMIKE CAPACITOR ANALYZER



- Tests Low-Voltage Capacitors Used in Transistor Circuits Without Damage
- Designed for Versatility, Accuracy, Safety and Convenience
For complete analysis of all types of capacitors, Including lowvoltage capacitors, at an accuracy of $\pm 3 \%$ for valués up to 200 mfd . and $\pm 5 \%$ accuracy from 200 mfd and up. Capacitance bridge measures capacity in five ranges from 1 mmf to 2000 mfd , with colorkeyed 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 varlable test voltage up to 600 volts. Burn-out-proof meter; safety switch. $87 / 8 \times 145 / 8 \times 61 / 6^{\prime \prime}$. For $110-120 \mathrm{v} 50 / 60 \mathrm{~Hz} \mathrm{AC}$. Wt., 18 lbs. 38 P 70011 W

- Only $2 \times 4 \times 6^{n}$


## $89^{00}$

- Battery Operated No Money Down*

Compact, battery powered portable color bar generator. 5 function pushbuttons produce 10 standard color bars, crosshatch and dots, plus individual vertical and horizontal bars Perma-Lock circuitry for stability. Bullt-in preheater for instant operation. Exclusive FET computer memory timing circuit automaticaliy shuts unit off in 15 minutes if you should forget. Adjustable RF channels allow you to adjust the output to any low TV channel from the bottom, so you don't get cochannel interference. Retractable cord. Less batteries. Size: $2 \times 4 \times 6^{\prime \prime}$
38 P 53389 Shpg. wt. 2 lbs. . Net 89.00 Type E164 5.6y Battery for CG.22. 32 P 47681 (2 required) ..Net ea. 1.64

LEADER LCG. 388 COLOR bar pattern generator


- 15 Patterns Including Single Dot and Single Cross

Trigger pulses to sync. scope. Composite video signals. for video circuit testing. Gun killers for purity and convergence adjustments. Outputs: RF, Channel 5 and 6; Pat-Ferns-Color Bars: Gated Rainbow, R.Y, B-Y, and -(R-Y), Rainbow; Dots: Fine 15 vert. $X$ 21 horiz., Coarse-7 vert. $x 11$ horiz., Single Dot centered on raster; Cross hatch:'Fine-21 vert. $x 15$ horiz., Coarse. 11 vert. x 7 horiz., Single Cross centered on raster; Vertical: Fine-21 lines, Wide-11 lines, Single tine; Horizontal: Fine- 15 lines, Wide. 7 lines and Singie Line. Chroma Level control: $0.200 \%$ adjustable. For $105 \cdot 125 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. Size: $31 / 8 \mathrm{H} \times 73 / 4 \mathrm{~W} \times 73 / \mathbf{4}^{\prime \prime} \mathrm{D}$. imported. Shpe. Wt. $63 / 8 \mathrm{lbs}$.
38 P 40006WX No Money Down* Net 159.95 color bar generator


Deluxe color bar generator with IC circuitry for excellent pattern stability. No counter alignment controls to adjust. Video output also provides 2 volts across 75 ohms for use in CCTV, CATV, a nd MATV. "Superpulse" feature simplifies gray scale tracking adjustment, testing for picture smear, and trouble. shooting by signal tracing and injection. Color-bar marker identifies 3 rd , 6th, and 9 th color bars for setting tint control. Push. buttons provide color bars, dots, crosshatch and blank raster patterns. 75 or 300 -ohm vairable level output. Size: $10 \mathrm{~W} \times 4 \mathrm{H} \times 8$ "D For 120 VAC, 60 Hz , Shpg. wt., $61 / 2 \mathrm{lbs}$.
38 P 46508W No Money Down ${ }^{\text {W }}$ Net 179.00

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 State Sweep Drive


No Money Down*
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 any time. at any point . . . While 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 $\mathrm{B}_{+}$boost and gives high voltage indication. Provides 3 -color recelver test patterns: White dot, cross hatch, color bar Complete with test leads and standard test pattern slide transparencies. For 105 -125V., $60 \mathrm{HZ} \mathrm{AC}. \mathrm{Size:} 17 \times 101 / 4 \times 10^{\prime \prime}$. Shpg. wi., 31 lbs.
38 P17301WX
Net 399.95


LEADER LBO-501
5" SOLID STATE TRIGGERED SCOPE


## Sweep

- Vectorscope Input
- Includes Lo/Cap Probe
$389^{95}$
No Money Down*

Professional $5^{\prime \prime}$ triggered scope with call. brated vertical input and calibrated time base. Features a vertical sensitivity of 20 $\mathrm{mV} / \mathrm{cm}, 2 \mathrm{~Hz}$ to 10 MHz frequency response, rise 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. 5x sweep magnifier. Edge Lighted graticule. Has a flat face $5^{\prime \prime}$ CRT with builtin calibrator and a vectorscope input. In. cludes lo/cap probe, UHF terminal to binding post adapter, and a set of vectorscope leads. Power requirements: $115 \mathrm{~V} 50 / 60 \mathrm{~Hz}$; Approx. 50 VA, Size: $101 / 2 \mathrm{H} \times 8 \mathrm{~W} \times 161 / 2^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., 21 lbs.
38 P 40030 WX $\qquad$ ...Net 389.95

## LEADER LBO. 505 <br> SOLID-STATE DUAL-TRACE SCOPE



- With 2 Direct Lo/Cap Probes. 2 Terminal Adapters, and One Set of Test Leads

Designed for the most demanding lab and service technician. Features dual-trace and dual-channels, with triggered and automatic sweep for maximum versatility. $A C$ or $D C$ coupling on each channel. DC to 15 MHz bandwidth with 4 cm deflection. $10 \mathrm{MVp}-\mathrm{p}$ / cm vertical sensitlvity. Separate or simul. taneous display in sweep mode of Channels 1 and 2, alternating, chopped, algebraically added, and vector ( $X-Y$ ). 10X magnification with maximum speed at 10 nanoseconds cim. Triggered sweep range from $1 \mu \mathrm{~s} / \mathrm{cm}$ to $0.5 \mathrm{~s} / \mathrm{cm}$, calibrated in 17 steps. Input impedance is 1 megohm shunted by 40 pfe Intensity modulation: External input over $15 \mathrm{Vp}-\mathrm{p}$, negative polarity. Sizes $73 / \mathrm{HH} \times 97 / \mathrm{WW}$ $\times 15^{\prime \prime} \mathrm{D}$. For $115 / 230 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. Shpg. wt., $171 / 2$ lbs.
38 P 40071 XY No Money Down ${ }^{*}$ Net 559.95

## Signal Generators - RF and Audio

NEW! MERCURY 1501 RF SIGNAL GENERATOR


Na Money Down*

- 7 Overlapping Bands
- 6 Fundamental and 1 Harmonic
- 120 kHz to 500 MHz

Troubleshoot radios, TVs, and other electronic equipment in minutes with this accurate fast-operating RF Signal Generator. Panel switch enables you to change output from pure sine wave to 400 Hz AM modulated RF for checking RF, IF, converter, and detector. Separate 400 Hz audio output for checking audio stages. Unit also serves as a marker generator for alignment work. Features an input jack for extemal modulation and provision for crystal calibration. Frequency accuracy $\pm 2 \%$. Range: 120 kHz to 500 MHz . Precision, etched scale with vernier tuning knob, With output cable. Size: $51 / 2 \mathrm{~W} \times 81 / 2 \mathrm{H}$ $\times 63 / 4$ "D. For $105-125 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$.
38 P. 37218 W Shpg. wt., $61 / 4$ lbs. Net 49.95

NEW! MERCURY 1600 SINE-SQUARE WAVE AUDIO GENERATOR

RCA WR-50B RF SIGNAL GENERATOR

## NEW! LEADER LSG-15 SOLID-STATE <br> RF SIGNAL GENERATOR


$99^{95}$

- $120 \mathrm{kHz}-130 \mathrm{MHz}$, Up to 390 MHz on Harmonics

Save time isolating problems in tuner, IF, video, and color circuits with this solid-state wide-band RF Signal Generator. Unit incorporates Field Effect Transistors for ultrastable performance and reliability. Frequency dial Is large, easy-to-read, and accurately calibrated. Frequency range is 120 kHz to 130 MHz , and up to 390 MHz on harmonics. internal modulation source provides 400 Hz modulated signal at up to 1 volt output for audio test. Generator also serves as a mark-er-generator for checking RF and IF alignment in FM and TV receivers. Its use is further extended by provisions for accommodating a $1-15 \mathrm{MHz}$ range crystal. Output Voltage: approx. $100,000 \mu \mathrm{~V}$ with fine attenuator and high-low switch. With RF Output cable and clips. Size: $7 H \times 111 / 2 W \times 6^{n} 0$. Shpg. wt., 5 lbs.
38 P 40055W No Money Down* Net 99.95


- Accuracy: $\pm 3 \%$
- Vernier Tuned
- Frequency Range

Sine: $20 \mathrm{~Hz}-200 \mathrm{kHz}$
Square: $20 \mathrm{~Hz}-25 \mathrm{kHz}$
Provides a tuneable sine or square wave frequency signal for a wide variety of applications. Directly measures frequency response characteristics of audio amplifiers, speak. ers ard enclosures. Specifications: Output voltage: Sine- 7 volts, Square- 7 volts. Output Impedance: ${ }^{1000}$ ohms with Attenuation Range. 4 Ranges: $1 / 1,1 / 10,1 / 100,1 / 1 k$. Distortion: Less than $2 \%$. With output cable, Size: $51 / 2 \mathrm{~W} \times 81 / 2 \mathrm{H} \times 63 / 4^{\prime \prime} \mathrm{D}$. For $105-125$ VAC, $50 / 60 \mathrm{~Hz}$. Shpg, wt., $61 / 4 \mathrm{lbs}$.
38 P 37200W
.Net 59.95

- Tuneable RF Output from 85 kHz to 40 MHz in 6 Ranges

Ideal for aligning and troubleshooting AM. FM, TV, CB and Ham receivers. Provides tuneable RF output from 85 kHz to 40 MHz in 6 ranges on fundamentals, CW or modulated RF, Dial calibration accuracy $\pm 2 \%$. Built-in 400 Hz audio oscillator for internal or ex. ternal modulation. Sweep output at 10.7 MHz and 455 kHz with return trace blanking for sweep alignment of radio recelvers. Modulation Level control. Also features 2 -step RF attenuator switch, and front panel crystal socket for oscillator calibration. Shielded outputs. size: $53 / 8 \mathrm{~W} \times 73 / 4 \mathrm{H} \times 43 / 4 \% \mathrm{D}$. For $105-130$ VAC, $50 / 60 \mathrm{~Hz}$. Shpg. wt., $71 / 4 \mathrm{lbs}$. 38 P 46318 No Money Down* Net 75.00

## NEW! LEADER LAG-25 SOLID-STATE SINE/SQUARE WAVE GENERATOR

Ideal for testing high fidelity components and other sensitive electronic equipment This deluxe sine/square wave generat or provides a low distortion slne wave and a fast rise square wave. Generator also produces a complex wave output, sultable for IM distortion checks, and will synchronize signals from an external source. Four decade bands provide a frequency range to 200 kHz . Unit is callbrated accurate to $\pm 3 \%$, with less than $1 \%$ drift. Specificatlons: Synch. Signala IV for $\pm 3 \%$ frequency control. Sine Wave Output: 0.3 volts rms. Flatness: $\pm 0.5 \mathrm{db}$. ref. 1 kHz , Square Wave Output: 0.5 volts p p. Complex Wave: Range $\mathrm{MF}, 4$ to 20 kHz Voltage- 0.5 volts $\mathrm{p} \cdot \mathrm{p}$. Cabinet has built-in carrying handle and measures $7 \mathrm{H} \times 111 / 2 \mathrm{~W}$ $\times 51 / 0^{\prime \prime} \mathrm{D}$. For $115 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., 5 lbs . 38 P 40063W No Money Down* Net 119.95


- 25 Hz to 200 kHz in 4 Decade Bands
$119^{95}$


## $199^{55}$

- Built-in Crystal Calibration
- 100 kHz to 216 MHz in 5 Bands

For trap, bandpass coll allgnment, FM/AM recelver alignment, stage-by-stage amplifier gain tests, and slgnal traclng. $100 \%$ solidstate circultry. Zener-regulated power supply, 6 individuaily shielded step attenuators, variable fine output level control, and calibrated $200 \mu$ a D'Arsonval meter. Range: 100 KHz to 54 MHz on fundamentals ( 5 ranges) and 54 to 216 MHz on harmonles. Outputs: modulated RF, unmodulated RF, external modulated RF, and 400 Hz audio. Accuracy better than $0.1 \%$ with internal crystal calibration. Size: $123 / 4 \times 71 / 4 \times 8^{\prime \prime} \mathrm{D}$. For 110 . 130 VAC, $50 / 60 \mathrm{~Hz}$. Shpg. wt., 16 lbs.
38 P $17319 W X$ No Money Down*Net 199.95

# Tube Checkers, Transistor Testers, Curve Tracers 

## SENCORE TC162 MIGHTY MITE TUBE TESTER



## $110^{00}$

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 emisslon, leakage and gas. Speclal Stethoscope short test for checking each element of the tube. Tests for grid leakage to 100 megohms. New pin ellminatlon switches permit testing more tubes than ever before. Eliminates "normal" shorts caused by internal connections in tubes. Complete portability in a rich vinylclad, brushed chrome trimmed case. Power Requirements are 115 volts $A C$ at 32 watts. For $56 / 60 \mathrm{~Hz}$. Size: $117 / 4 \times 111 / 2 \times 111 / 4{ }^{\prime \prime}$. Shpg. wt. 10 lbs.
38 P 53348w No Money Down* Net 110.00


## DELUXE RCA WT-501A TRANSISTOR TESTER



6800

- DC Beta from 1 to 1000 - Collector-to-Base Leakage As Low As $2 \mu \mathrm{a}$

Completely portable ........ requiring no external power source, tests both low and high power transistors, and has both NPN and power sochets. Tests out-of-circulf transistors for $d-c$ beta from it to 1000 , collector-tobase leakage as low as 2 microamperes, and collector-toemitter leakage from 20 microamperes to 1 ampere. Special low Impedance clicuitry assures reliable in-clrcult testing. Collector current is adjustable from 20 microamperes to 1 ampere in four ranges. Three color-coded test leads are provided. With two 1.5 volt batteries. Shigg. wt., 6 lbs. 2 oz.
38 P 46342 No Money Down *......Net 68.00

NEW! B \& K 747 DYNAMIC GM TUBE TESTER



No Money Down*

Tests All Tubes With True Dynamic Mutual Conductance Test B \& K's finest tube tester tests all tubes with true mutual conductance test. Has (1) "Jet-Check" section for testing tubes most often used In radio and TV; (2) programmed section for less popular tube types. Thus, the Model 747 is truly obsolescence-proof, extremely fast and easy to use, and offers the positive reliability of the dynamic Gm test in both sections. Tests emission of nonamplifying tubes such as diodes and rectifiers; check high-valtage regulators with effective dynamic test. Checks for shorts, leakage, grid emisslon, gas, and life expectancy. $100 \%$ solid-state. Size: $5 K_{6} \times 201 / 2 \times$ $111 / 2^{\prime \prime}$. For $105-125 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. Shpgwt., 12 lbs.
38 P 17368 WX
.Net 249.95
SENCORE TF151 "In or Out of Circuit" Transistor Tester


$129^{50}$With Special Reference Book for Testing Transistors and FET's
Accurate, easily read 6 "meter. Tests for AC Beta and out of circuit icbo leakage, Increased current check for high power transistors make tests more accurate. Special tests for crltical RF transistors like GE9's. Also makes the following special tests on fET's: True GM mutual conductance in or out of circuit: lgss leakage checked out of circuit: Speclal Gate 2 check provided for two gate FET's; Special Idss (Zero Blas) current check provided for matching FET's or for Industrial "cutting"; Special positive bias test for new enhancement FET's. For 115 VAC. Size: $91 / 2 \times 71 / 2 \times 6^{\prime \prime}$. Shpg. wt. 12 lbs .
38 P 53272W No Money Down*. Net $\$ 29.50$

## B\&K 466 CRT TESTER /REJUVENATOR



## $129^{95}$

 In TV Set- Checks And Repairs Each Color Gun
Indicates picture tube quallity. Checks color or black and white CRT's for leakage, shorts, opens, emlssion. Rejuvenates virlually all CRT's. Exclusive Feature: "Monitored Rejuvenation" - you can watch the emission change as you rejuvenate CRT. Unique "Super-Rejuvenate" function for restorlng 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 Trinltrons, Measure Gl voltage. Color coded G2 controls. Large $43 / 4^{\prime \prime}$ precision meter with scale coded to front panel controls to prevent eprors. Plastic/alum/num type attache carrying case. Size: $131 / 4 \times 91 / 2 \times 534^{\prime \prime}$. For 105 125 V 50-60 Hz AC. Shps. wh., it ibs.

38 P $17327 W X$ No Money Down*Net 129.95

## B\&K501-A SEMICONDUCTOR CURVE TRACER

## NEW!

$129^{95}$

- Compatible with

No Money Down*
All Oscilloscopes
The B \& K 501-A Curve Tracer is to solidstate devices what the mutual conductance tube tester is to the vacuum tube. Makes fast analysls of semi-conductors condition by displaying their pattern on the screen of an auxiliary scope. Tests: TransIstors, Unijunctions, Trlacs, SCR's; Tunnel diodes, Zener diodes, signal dlodes; rectifier dlodes; FET's, MOSFET's. Generate true current steps. Sweep Generator Range: $0-100$ volts peak at 100 mA max; 120 Hz full-wave rectified. Step Generator: 11 Current Ranges and 5 Voltage Ranges. With Cables to scope; FP-3 probe; Mylar $10 \times 10$ division graticule. Size: $4 \times$ $10 \times 91 / 2^{\prime \prime}$. Shpg, wt., 6 lbs.
38 P 17376 Wx


Kit<br>$29^{95}$

- Easy To Build Step By Step Instructions

Wired 495
No Money Down*

- 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 intermittent tests available. Quality is indicated directly on an easily read, 3 -color meter scale. Each section of multi-purpose tubes is checked separately. Hi-Fi, Magic-Eye, and voltage regulator tubes can also be tested. obsolescence-proof: Unique switching arrangement allows new tubes to be tested as they

## COLOR CRT AND CIRCUIT ANALYZER



- Instant Hook-up for Analyzing, Testing and Adjusting Color CRT's and Associated Circuitry Under Actual Operating Conditions

Speed color-TV servicing by using this analyzer. Turning off electron guns is as easy as opening switches. Each color gun has its own switch and any combination of colors may be chosen. Voltage and current tests are easily performed using single pin jacks provided on the panel. simplifles purity adjustments, convergence, gray-scale and tracking, voltage test, current measurement and wave form observations. Sturdy compact unit is fully insulated and enclosed. Complete with detalled procedure booklet. 61/4x $33 / 4 \times 2^{2}$. Shpg. wt., $13 / 4 \mathrm{lbs}$.
38 P 14019 $\qquad$ .Net 19.95

## NEW! TRANSISTOR CHECKER AND CURVE TRACER



A new way to check transistors, capacitors, and resistors without unsoldering them from the circuit. Can be used with any general purpose oscilloscope to make rapid, vlsual point-topoint checks. Graphic waveform symbols indicate at a glance whether the component under test is functioning properly. Supplied with the tester are simple instructions describing test procedures. Graphic symbol on face of tester shows scope pattern for each good component. Size: $3 \times 5 \times 11 / 2^{\prime \prime}$. Shpg, wt., 2 lbs.
38 P 16006
Net 29.95

- Use with Any General Purpose Oscilloscope
- Check Transistors In-Circuit
become available. In addition, this fine tester also checks translstors: 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 instructlons, and ring bound manual of tube charts. For 110 VAC 60 Hz . Size; $84 / 2 \times 71 / 2 \times 4^{\prime \prime}$. Shpg. wt., $42 / 2 \mathrm{lbs}$.
38 P01123W
As abrye wired and tested
38 P 01131 w
$\qquad$
.Net 29.95

LAFAYETTE FILAMENT CONTINUITY TUBE CHECKER


- Checks CRT's,
Loctal
Octal, 9-Pin and 7-Pin Sockets


Small and compact as a cigarette bex. Quickly checks fllament continulty. Tests filaments of radio. TV plcture tubes. Also can be used to test many other electrical devices anid line cords, fuses, lamps and bulbs. Has sockets for TV plcture tube and loctal, octal, 9 -pin, as well as 7 -pin sockets. Provided with two test leads. Grey hammertone finish. Size: $4 \times 3 \times 11 / 2^{\prime \prime}$
99 P 50163 Shpg, wt., 10 oz, ....Net 3.19
RCA WC-506A TRANSISTOR AND DIODE CHECKER

# Deluxe VOM'S \& VTM'S for Accurate Measurement 



SIMPSON 92 PAGE BOOK " 1001 " USES OF THE 260 SERIES VOM. A MUST FOR EVERY STUDENT, TECHNICIAN, AND ENGINEER. WT., 7 OZ. 38 P 48611

## Simpson 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 previous 260 series plus these new features: $0-1$ volt $D C$ range, $0-500$ volt $A C$ and $D C$ ranges, external aCcess battery and fuse compartment, mulli-purpose screw-on test leads with combination probe and alligator clips. DC 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 $\mu$, 0 -50; DC ma, 0-1-10-100-500; DC amps., $0-10$; DB, -20 to +50 in 4 ranges; Resistance, $0-20$ megs in 3 ranges. Housed in bakelite case, $51 / 4 \times 7 \times 31 \mathrm{~m}^{\prime \prime}$. With battery and test leads. Shpg. wt., $4 y / 4 \mathrm{lbs}$.
38 P 48170 No Money Down*
Net 68.50
Simpson MODEL 260-6P-Same ine features and ranges as Model 260-6 but equipped with special sensor circuit to prevent burned components, bent pointers, and blown rectifiers. With battery and test leads. Shpg. wt., 4 lbs.
38 P 48702 No Money Down* ......................................Net 99.50
Simpson MODEL 260-6PRT-Same as abova sut with "full top" safety case. Shpg. w: 731.12-
20 : דoize No Money Down*
Net 105.50
Simpson MOOEL 270-4-Same as Model 260-6 but with mirror scale, knife edge pointer, self shielded annular meter. Higher accuracy $\pm 1.25 \%$ DC, $\pm 3 \%$ AC. Dimensions: $51 / 4 \times 7 \times 31 /{ }^{\prime \prime}$. Shpg. wi., $41 / 2$ lbs. 38 P 48736 No Money Down* .......................................Net 81.50

SImpson MO日EL 240 -4RT--Same as Model $270-4$ but with roll top case. Shpg. wt., 73/4 lbs.
38 P 48744 No Money Down*
Net 87.50
ADD-A-TESTERS FOR 260 and 270 SERIES AC/OC DOMS
Add unlimited versatility io 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. $\mathbf{2}^{33 / 4}$ lbs.

| Stock No. | Model | Type | Net |
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| 38 P 48132 | 653 | AC Ammeter | 30.00 |
| 38 P 48140 | 654 | Audio Wattmeter | 34.00 |
| 38 P 48181 | 661 | DC Ammeter | 33.00 |

## ACCESSORTES for SIMPSON VOMS

Stock No. ModelNo. ForModel Description wt. Net

38 P $48066 \quad 01818 \quad 260 \& 270$ Serles Leather Case $11 / 213.50$ 38 P 48074 38 P 48082 38 P $48082 \quad 00509$ 270 \& 270 Series 38 P 48090 00508 250 \& 270 series 25 kVHVProbe 117.00 †ALLIGATOR CLIPS $\quad 00508 \quad 260-\& 270$ Series 25 KVHVProbe $1 / 217.00$

## MERCURY 1700C VTVM WITH MULTI:COLOR $6^{\prime \prime}$ METER Only $54^{45}$ No Money Down* <br> - Mirror Scale <br> - D'Arsonval Movement <br> - 11 Megohm Input Resistance <br>  <br> DC Voltmeter: Ranges: $0.1 .5,5,15,50,150$, 500,1500 volts full scale. Input Resistance: 11 megohms ( 1 megohm in probe). Accuracy $\pm 3 \%$ of full scale. A. Voltmeter: 7 Ranges (RMS), 0.1.5,5,15,50,500, 1500 ru"ts full scale. 7 Ranges Peak-to. Peak, $0.4,14,40$, $140,400,1400,4000$ volts. Db scale- 20 to +66 db in seven ranges. Ohmmeter: Ranges: Rx1 ( $0-1 \mathrm{~K}$ ohm), Rxio ( $0-10 \mathrm{~K}$ ohm), R×100 ( 0.100 K ohm), Rxik ( 0.1 megohm), RxiOK ( 0.10 megohms), Rxi00K ( 0.100 megohms). RxI MEG ( $0-1000$ megohms). 10 ohms center scale on RxI range. Power Requirements: 105-125 VAC, $50 / 60 \mathrm{~Hz}$. Size: $81 / 2 \mathrm{H} \times 67 / \mathrm{h} \mathrm{W} \times$ $41 / 2^{\prime \prime} \mathrm{D}$. Shpg, wt., 6 lbs. <br> 38 P $37192 W$

## RCA WV-98C SR. VOLTOHMYST



Big $61 / 2^{\prime \prime}$ color-coded meter with 200 ma movement and accuracy of $\pm 3 \%$ on AC and DC. $1 \%$ precision multiplier resistors. Meter is burnout proof. Measures p-p voltages up to 4200 volts of sine waves. Range: DC volts, $0-.5-1.5-5-15-50-150 \cdot 500-1500$; AC rms volts, $0-1.5 \cdot 15-50-150-500-1500 ;$ Resistance, $\quad 0.2$ ohms to 1000 megohms in 7 ranges. DC in. put resistance, 11 megohms. Sturdy, singleunit probe with built-in DC/AC/Ohms selector switch. Slze: $7 \mathrm{~W} \times 61 / 2 \mathrm{H} \times 33 / 4$ " D . For $110-130$ volts, $50 / 60 \mathrm{~Hz}$. AC. Wt., $71 / 4 \mathrm{lbs}$. 38 P 46102 ...............................Net 99.00

## RCA WV-510A SOLID-STATE MASTER VOLTOHMIST



A hi-quality, solid-state electronic voltmeter. 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 $1500 \mathrm{~V}, \mathrm{AC} \mathrm{P}-\mathrm{pv}$ 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 DC voltage measurements. Accuracy is $\pm 3 \%$. Input Resistance 21 megohms. With DC/ACOhms probe and cable, slip-on alligator clip and leads. $110-135 \mathrm{~V}, 50-60 \mathrm{~Hz}$. AC. Size: $67 / 8 \times 51 / 4 \times 31 / 8^{\prime \prime}$. Shpg. wt., $71 / 4$ los. 38 P 46482W

## LAFAYETTE, SENCORE, and B \& K Solid-State VOM's



LAFAYETTE Solid-State FET VOM with Giant $51 / 2^{\prime \prime}$ Meter with Mirror Scale

High Impedance Multimeter Measures DC Voltages, AC Voltages- RMS and Peak-to-Peak, DC Current, Electrical Resistance, and Audio Power Levels in db .

- Manual DC Polarity Selector Switch
- High Sensitivity-0.3 V. range with 11 Megohm DC and 1 Megohm AC Input Resistance
- Built-in Overload Protection Circuitry
- Direct Peak to Peak AC Voltage Measurements
- Battery Check Indicator
- 0.5\% Precision Resistors


## RANGES:

DC VOLTS: $0.3 \cdot 1 \cdot 2-12-30 \cdot 120 \cdot 300-600 \cdot 1200 \mathrm{~V}$. Accuracy $\pm 3 \%$ st full scale.
AC VOLTS: $0-3-30-120-600 \mathrm{~V}$ (RMS), 0-8-80-320-1600V (P-P). Accuracy $\pm 4 \%$ at full scale. DC CURRENT: 0.12-1.2-12-120 mA. Accuracy $\pm 3 \%$ at full scale. RESISTANCE: ( 30 ohm mid-scale) $\times 1, \times 10, \times 100, \times 10 \mathrm{~K}, \times 1 \mathrm{MEG}$ Oto ( $2 \mathrm{~K}, 20 \mathrm{~K}, 200 \mathrm{~K}, 20 \mathrm{M}, 2000 \mathrm{M}$ ). Accuracy $\pm 3 \%$ at full scale. DECIBELS: -20 to +56 do using $4 \cdot A C$ ranges.

A high quality, accurate FET volt-ohmmeter with the high impedance of a VTVM and big easy-to-read $5 \frac{2}{2 \prime}$ meter. Is capable of high sensitivity transistor bias measurements ( 250 mv full scale) up to 2000 Megohms. Direct Peak-to-Peak AC volt measurements capability at 1 Megohm impedance. Built-in overload protection circuit. "Zero Center" mark for null measurement built-in. Lightweight for easy use and portability. Has convenient battery check-eliminates going out on a job with weak batteries. Accessories included; Batteries, Test Leads, and Instruction Manual. Size $61 / 4 H \times 41 / 4 W \times 2^{\circ} D$. Shpg. Test., $21 / 2 \mathrm{lbs}$. Imported. 99 'p 50593 No Money Down* $\qquad$ ..Net 44.95

## NEW! SENCORE "LITTLE HENRY" FE23 FET MULTIMETER



## $80^{00}$

- Pushbutton Operation
- 0.5\% Precision Resistors

A fully protected portable pushbutton FET multimeter with a slide down meter cover. Compact-fits in the palm of your handi Easy-to-read $31 / 2^{\prime \prime}$ meter, 100 microamp $\pm 2 \%$, input isolated and dlode protectp.. SPECIFICATIONS: DC VOLTS: 5 ranges: $0-3$, $30,300,1 \mathrm{KV}$, and 6 KV full scale; Input resistance: 15 megohms shunted by 20 PF at jack; Accuracy: $\pm 1.5 \%$. AC VOLTS: 4 Ranges RMS; $0-3,30,300$, and 1 KV ; Input Resistance of 950 K shunted by 20 PF at jack; Accuracy: $\pm 3 \%$. OHM METER: 4 Ranges: $0-1 \mathrm{~K}$, $10 \mathrm{~K}, 1 \mathrm{Meg}$, and 1000 Meg full scale; Accuracy: +2 degrees arc. DC CURRENT, MEASUREMENTS: 1 Range: $0-1$ amp full scaieuses separate jack; Accuracy: $\pm 3 \%$, internal voltage drop of 100 MV . Built-in "Battery Test". Compartment for storling leads has snap-action cover to prevent loss of leads. Size: $61 / 2 \times 41 / 4 \times 21 / 4^{\prime \prime}$. Shpg. wt., $21 / 2 \mathrm{lbs}$. SIP $53397{ }^{41 / 4}$ No Money Down ${ }^{*}$....Net 80.00

## DELUXE SENCORE FE2O HILO FET MULTIMETER



$129^{95}$
including hi-volt probe

- 15 Megohm Input Resistance on DC, 12 Megoims on AC
- Accuracy $1.5 \%$ DC, $3 \%$ on AC

A must for accurate resistance measurements in solid state circuitry. Has 9 DC voltage ranges from as low as a tenth of a volt full scale to 1000 volts. 3 hi-voltage ranges of $3 \mathrm{KV}, 10 \mathrm{KV}$, and 30 KV .9 DC zero center ranges from 05 to 500 volts for transistor bias measurements. I AC RMS ranges from a tenth of a volt fuli scale to 1000 volts. 7 resistance ranges from 1000 ohms full scale to 1000 megohms. (Both Hi and Lo ohms read on same scale). 9 DC current ranges from 100 micraamps to 1 amp . Battery test provision. Overload protection circuitry. Special front panel. 6 amp fuse to protect the ohms and milli-amps scale. Size: $91 / 2 \mathrm{H} \times .71 / 4 \mathrm{~W} \times 31 / 4^{n} \mathrm{D}$. Shpg. Wt., 9 lbs. 38 P 5337 iW No Money Down*. Net 129.95 "C" batteries (7 req.)
99 P 63687

## NEW! B \& K 281 SOLID-STATE DIGITAL MULTIMETER



No Money Down*
Highly accurate, stable digital vom. 3-digit display. Positive over-range indication. Polarity reversal switch. Low test current on low resistance ranges eliminates danger of harming components. SPECIFICATIONS: of harming components, SPECIFICATIONS: AC Current, and ohms- $\mathbf{3 2}$ ranges in all. DC Volts: $0-0.1,1.00,10.0,100,1000 \mathrm{~V}$. Accuracy: $\pm 1 \%$. Max Limit: 1500 VOC. DC Current $0-100 \mu \mathrm{~A}, 1.00 \mathrm{~mA}, 10 \mathrm{~mA}, 100 \mathrm{~mA}, 1.00$ A. Accuracy: $\pm 1.5 \%$. AC volts: $0-0.1,1.00$ $10.0,100,1000 \mathrm{~V}$ RMS. $20-1000 \mathrm{~Hz}$. Max. Limit: 1000 V RMS $/ 1500 \mathrm{~V}$ peak. Accuracy: $\pm 1.5 \%$. Ohms: $0-10,100,1 \mathrm{k}, 10 \mathrm{k}, 100 \mathrm{k}, 1 \mathrm{M}$, 10 M . Input impedance: 10 Meg , all ranges Handsome case with combination hande/ stand. With leads and probe. Size: $31 / 2 \times 7 \times$ $9^{\prime \prime}$. For $105-125 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. Wt., 5 lbs. $38^{\circ}$ P 17384 No Money Dowñ*'Net 169.95

# Deluxe LAFAYETTE and TRIPLETT VOM's LAFAYETTE 50,000 Ohms Per Volt VOM 

- Large 51/2" Meter
- 50 K Ohms Per Volt DC
- 5K Ohms Per Volt AC
- Built-in Overload Protection
- Low Voltage Ranges For

Transistor Circuitry

- $1 \%$ Precision Resistors
- Accuracy $\pm 2 \%$ DC, $=3 \% \mathrm{AC}$

No Money Down*

Super-sensifive, self-contained, portable Multi-Fester! Employs $1 \%$ precision resistors and high quality components for an accuracy of better than $2 \%$ on DC; $3 \%$ on AC. Useable at irequencies up to 100 Hz . Meter movement is selfshielded with spring-backed jewels. Also has polarity switch and easy-to-read range indicator. Built-in meter overload protection. Size: $51 / 4 \times 23 / 4 \times 61 / 2^{\prime \prime}$. With batteries and test leads. Imported. Shpg. wt., 3 lbs.
99 P 50767
Net 39.95

## SPECIFICATIONS

Ranges: DC Volts: 0-0.25-2.5-10-50-250-1000@ 25 K ohm/V; 0-0.125-1.25-5.0 25-125-500 @ 50 K ohm/V. AC Volts: 0-3.10.50-250.1000 @ 2.5 K ohm $\mathrm{V}_{\mathrm{i}}$ $0-1.5-5.0-25-125-500$ @ 5 K ohm/V.DC $\mu \mathrm{A}: 0-25$ @ 125 mV i 0-50 @ 250 mv . DC mA: $0.5 \cdot 50-500 @ 250 \mathrm{mV}$ © $0 \cdot 2.5-25-250$ @ 125 mV . DC amperes: 0 $10 @ 250 \mathrm{mV}$; $0.5 @ 125 \mathrm{mV}$. Ohms; 0-2K, 10K, 100K, $1 \mathrm{M}, 10$ Mess. DB:
 -20 to +81.5 in 10 AC volt ranges.

## LAFAYETTE "Lab Type" 30,000 Ohms Per Volt Multitester

$22^{95}$

- Self-Supporting - Burnout Protected
- Mirror Scale - Buzzer for Short Tests - Low Voltage Scale for Transistors

Deluxe VOM with easy-to-read 2 -color calibrations and mirror scale. Built-In overload protective circuitry. Sensitivity is 30,000 ohms-Der-volt $D C$ and 15,000 ohms-per-volt $A C$. $1 \%$ precision resistors. Sensitive $33 \mu$ A meter. Self-contained buzzer for fast in-circuit checks on opens and shorts. Audio output lack. AC Volts: $0-2.5,10,25,100$, $250,500,1000$. DC Volts: $0.25,1,2.5,10,25,100,250,500,1000$. ${ }^{0} \mathrm{C}$ Current: $00.0 .5,5,50,500 \mathrm{ma} ; 0.12 \mathrm{Amps}$. Dhms: $0.6 \mathrm{k}, 0.60 \mathrm{k}, 6 \mathrm{M}$, 80 Meg . 日B: -20 to 56 . Dustproof plastic case. With leads and batteries. Size: $7 W \times 4 H \times 21 / s^{\prime \prime} D$. imported. Shpg. wt., $11 / 2$ lbs. 99 P 50817
.Net 22.95


## LAFAYETTE "Lab Type" 20,000 Ohms Per Volt Multitester

$16^{95}$

- Self-Supporting - Burnout Protected
- Mirror Scale - $1 \%$ Precision Resistors
- 40 Microampere Meter Movement

Especially designed for ease of handling. Has every needed range and mirror scale for precise readings. $40 \mu \mathrm{~A}$ meter movement permits a high input resistance on all ranges. Has a single range/function control plus zero ohms adjust. With batteries and test leadis. SPECIFICATIONS: Sensitivity: 20,000 ohms/volt DC; 10,000 ehms/ volt AC, Ranges: DC Volts: $0.6,6,30,120,600,1200 ;$ AC Volts: $0-6$. $30,120,600,1200$. Resistance: $0.10 \mathrm{~K}, 100 \mathrm{~K}, 1 \mathrm{M}, 10$ Megohms. Current: $0-60 \mu \mathrm{~A}, 0-6,60,600 \mathrm{ma}$. OB: -20 to +63 . Capacify: 200 mmf to 0.2 mfd . Size: $7 \mathrm{~W} \times 4 \mathrm{H} \times 21 / \mathrm{B}^{\prime \mathrm{D}}$. Imported. Shpg. wt., $1 / 2 \mathrm{lbs}$.
99 P 50825
.Net 16.95



## DELUXE 30,000 OHMS-PER-VOLT MULTITESTER WITH MIRROR SCALE

## - 30,000 Ohms per-Volt DC, 15,000 Ohms per Volt AC

$19^{95}$

- Low Voltage Scale for Transistor Tests
- $1 \%$ Precision Resistors for High Accuracy
- Unique "Buzzer" for Fast Short Tests
- 27 Meter Ranges on 2-Color Scale
- Built-in Overload Protective Circuitry Deluxe portable Volt-Ohm-Milliammeter with a mirror scale. Provides wide voltage, current, resistance and db ranges clearly visible on a big $4^{4 "}$ meter with 2 color calibrations. Built-in overload protective circuitry. Sensitivity is 30,000 ohms-pervolt DC and 15,000 ohms-per-volt AC. All multipilers used are $1 \%$ precision resistors for maximum accuracy and years of dependable service. Sensitive 33 -micro-ampere meter provides full scale readings down to $1 / 4$ volt on DC and .05 milfiamps. Features a unique self-contained buzzer to give you fast in-circuit checks on opens, shorts. Audio output jack with DC blocking capacitor. Handsome, dust proof black plastic case. Complete with leads, batteries. Size: $41 / 4 \mathrm{~W} \times 61 /{ }^{\circ} \mathrm{H} \times 234{ }^{*} \mathrm{DO}$. 99 P 50718 Imported. Shpg. wt., 21/4 lbs. Net 19.95 38 P 01081 Texon Carrying Case for the above. Shpg. wt., 5 01. ......Net 1.95 SPECIFICATIONS
Sensitivity: 30,000 ohms/volt $D C, 15,000$ ohms/volt AC. Ranges: DC volts: $0-25.1$. $2.5,10,25,100,250,500,1000 ;$ AC volts: $0.2 .5,10,25,100,250,500,1000$ Direct Current: $0.0 .05,5,50,500$ ma; $0-12$ amps 0 hmmeter: 0.60 K .6 M .60 Meg ohms, Decibels: -20 to +56 db . Short Test: Internal Buzzer. Audio Output Jack Controls: Range swltch, ohms Adjust. Batteries: I type $Z$ cell, 15 -volt.


## DELUXE 20,000 OHMS-PER-VOLT MULTITESTER WITH MIRROR SCALE

- 20,000 Ohms-Per-Volt DC, 10,000 Ohms-Per-Volt AC

$14^{95}$

- Low Voltage Scale for Transistor Tests
- $1 \%$ Precision Resistors For High Accuracy
- 40-Microamp $3^{1 / 2 "}$ D'Arsonval Meter
- Built-in Overload Protective Circuitry

Handy pocket multi-tester with mirror scale, Has every needed range. Ideal for repalr and service work, testing and troubleshooting electronic circuits and appliances in the labor shoo. 40 micro-ampere meter movement permits a high input resistance on all ranges. Has a single range/function control for quick, simple operation, plus zero ohms adjust and built-in overload protective circuitry, with batteries, test leads $51 / 9 \times 31 / 6 \times 17 / \mathrm{m}^{\prime \prime} \mathrm{O}$. Imported. Shpg. wt., $11 / 2 \mathrm{Ibs}$.
99 P 50734
Net 14.95
38 P 01073 Texon Carrying Case for above. Shpg. wt., 5 02. ..............Net 1.95 SPECIFICATIONS
Sensitivity: 20,000 ohms/voit DC; 10,000 ohms/volt $A C$. Ranges: $D C$ volts, $0.6,6$, $30,120,600,1200$; AC volts: $0.6,30,120,600,1200$. Resistance: $0.10 \mathrm{~K}, 100 \mathrm{~K}$, 1M, 10Megs, Current: $0.60 \mu \mathrm{~A}, 0-6,60,600 \mathrm{MA}$. Decibels: -20 to +63 . Capacity; 200 mmf to 0.2 mfd .

## 20,000 OHMS-PER-VOLT MULTITESTER WITH MIRROR SCALE

## $11^{95}$ <br> - 20,000 Ohms/Volt DC. $\mathbf{1 0 , 0 0 0}$ Ohms/Volt AC <br> - $1 \%$ Precision Resistors <br> - Easy-to-Read 3" Meter <br> - Built-in Overload Protective Circuitry

Easy visibility is provided by the large 2 -color $3^{\prime \prime}$ meter with mirror scale. The 40-Microampere D'Arsonval meter movement permits a high input resistance on atl ranges. Built in overload protective circuitry. Supplied with battery and test leads. Rugged, high impact plastic case. Size $31 / 4 \times 41 / 4 \times 1^{\prime \prime}$. Imported. Shpg. wt., 1 lb . 99 P 50726

Net 11.95
38 P 01073 Texon Carrying Case for above. Shpg. wt., 5 oz. Net 1.95
SPECIFICATIONS
Sensitivity: 20,000 ohm/volt DC, 10,000 ohms/volt, AC, Range DC Volts: $0-3,30$, $60,300,600,3,000 \mathrm{~V}$. AC Volts: $0-6,60,120,1,200 \mathrm{~V}$. DC Current: $0.60 \mu \mathrm{~A}, 0.12$, 0.300 ma . Resistance: $060 \mathrm{~K}, 0.6,60$, Megohms. Decibles: -20 to +63 db . Audio Output Jack. Type " $Z$ " 1.5 V cell for resistance measurements.

## "SUPER MINI" AC/DC VOM

## 725

- Compact Pocket Size: $31 / 2 \mathrm{H} \times 21 / 6 \mathrm{~W} \times 13 / 8^{\prime \prime} \mathrm{D}$.
- Reads AC/DC Volts To 1200 Volts
- 8-Input Ranges - 4-Reading Scales
- Separate Red Scale For Low AC Reading Highly accurate, low cost multitester: Handy to use anywhere by techniclans, hobbyist or home owners for trouble shooting electronic circuits and testing appliances. Ranges: $A C / D C$ voltage, $0.12,0-120$, and $0-1200 ; D C$ current. $0-1 \mathrm{~mA}$ and $0-120 \mathrm{~mA}$. Reads resistance from 0 to 200,000 ohms. Easy to read red scale for low AC readings. $1 \%$ resistors offer precise readings. Sensitivity: 1000 ohms per volt. Zero ohms adjust. Operates on 1.5 volt " $Z$ " cell. Complete with test leads and battery.
99 P 50791 Imported. Shpg. wt., 10 oz.
Net 7.25
99 P 50809 Pigskin Carrying Case for above. Shpg. wt., 5 oz, .............Net 1.75
Make Lafayette Your Onc Dependable Source for Everything in Electronics


## Ammeters, Voltmeters, Wattmeters, and IC Testers



Measure AC current by snapping trigger-operated jaws around single conductor; measure AC voltage with safety test leads. Accuracy $\pm 3 \%$ FS. RS models feature shape and balance to fit either hand, pointer lock to "freeze" readings, unbreakable magnifying window, rotary scale that permits only the scale in use to show. Jaws accommodate $1 \mathrm{~K}_{6}$ " diameter conductors and $1 \mathrm{~K}_{1}{ }^{*}$ $x 1 / 2^{\prime \prime}$ bus bars, Junjor jaws measure up to $1 / 2^{\prime \prime}$ diameter conductors. For 60 Hz .circuits.

## AMPROBE VOLTPROBES


(A) VT 100 AC/DC Probe

For easy voltage readings anywhereanytime. 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 measure. ments of points over 3 feet apart. Voltage levels: AC $115-220 \cdot 277-440-550$ Volts, DC • 115-220-400-600-750 Volts. DC Polarity indicator. Size: $6 \times 21 / 4 \times$ 3/4" with probes retracted.
38 P 13136 Shpg. wt., $1 / 2$ Ib. Net 9.50
(B) YT 124 AC Probe

Same as above but AC voltage levels only. Use for checking AC circults including 24 and 48 VAC circuits in Climate Control Equipment, Switching Systems, Electric Garage Door Operators, and Industrial Equipment Control. Levels AC: 24-48-115-220-277-440-550 AC. Shpg. wt., 802.
38 P 13144 ...........................Net 14.85
VOM AND VTVM METERGARD


- Easily installed - No Overload Damage

Protect your meter. regardless of make, against overloads. No more bent pointers, damaged pivots, or burnt out colls. Installa tion of metergard will allow your meter to withstand as much as a $10,000 \%$ overload. 38 P 68015 Shpg. wt., 2 oz. ......Net 2.95


Self-powered IC tester features a clip probe and a fiexible $\mathbf{2 4 "}^{\prime \prime}$ cable for in-system testing of both 14 and 16 -pin dual in-line TTL or DTL integrated circuits. Displays the Jogic states of all pins simultaneously. Circuit malfunctions can be quickly 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 in-system testing, the IC tester is powered by the IC being tested. Requires no bezels or overlays, Voltage requirements: $5 \mathrm{~V} \pm 10 \%$ across two or more inputs. Temperature rating: 0 to $75^{\circ} \mathrm{C}$. 38 P 54007 W Wt., 3 lbs. ........Net 120.00

## LECTROCELL DC POWER SUPPLY FOR VTVM's



Quickly replaces $i v / 2$ volt Dattery used in VIVM's for resistance measurements. Regular battery must be replaced at regular Intervals. If It is forgotten the Instrument may be ruined by chemical corrosion. Ellminate trouble by installing this power supply. install it and forget it. Shpg. wt., $1 / 2 \mathrm{lb}$. 36 P 68023

## AMPROEE RS. 1

Ranges: $0-6 / 15 / 40 / 100$ Amps AC: $0-150 / 600$ VAC. Shpg, wt., $13 / 4 \mathrm{fbs}$.
38 P 13011 No Money Down* $\qquad$ .Net 46.85
AMPROBE RS. 2
Ranges: $0.6 / 15 / 40 / 100$ Amps $A C ; 0-150 / 300$ VAC. Shpg. wi, 11/2 lbs. 38 P 13029 No Money Down* ........................................ 46.85

AMPROBE DELUXE RS.3
hanges: $0-5 / 15 / 40 / 100 / 300$ Amps AC; $0-150 / 300 / 600$ VAC. 25 ohm midscale ohmmeter. Shpg. wt., $13 / 4$ lbs. 38 P 13037 No Money Down*

AMPROEE JUNIORS
Lighter duty, smaller versions of standard Amprobes. Will mea sure up to $1 / 2^{\prime \prime}$ dia. conductors $43 / 4^{\prime \prime}$ long, $13 / s^{\prime \prime}$ 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., $3 / 4 \mathrm{ld}$.

| STOCK MO. | MODEL | AC AMPS | AC VOLTS | NET PRICE |
| :--- | :--- | :--- | :--- | ---: |
| 38 P 13052 | Y25 | $0-25$ | $0-125-750$ | 25.85 |
| 38 P 13094 | Y550 | $0-50$ | $0-150-600$ | 25.85 |
| 38 P 13102 | Y500 | 0.100 | $0.150-600$ | 25.85 |

Model P1-Carrying Case for Amprobe Juniors. Wt., $1 / 4 \mathrm{lb}$.
38 P13128
Net 3.50

(A) | $15^{\prime \prime 5}$ | $23^{50}$ |
| :---: | :---: | :---: |
| 10 |  |

| 23 |  |
| :---: | :---: |

[虽 MODEL 212 TRANSISTOR ANALYZER KIT. Battery powered, checks all transistors for beta in 3 ranges to 200; feakage on 3 -color scale. Tests all transistors in circuit without removing them. Can be used to signal trace AF. IF or RF circuits. Also measures battery voltages on $0-12$ volt peak and DC current drain on 0.80 milliampere scale. checks condition of diodes. Supplied with test leads and instructions.
38 P 24018 Model 212 kit
Net 15.50
38 P 24026 Model 212 wired $\qquad$ Net 23.50

B MODEL 213 TUBE TESTER 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. Supplled complete with high-impact bakelite case and strap, instructions and tube charts in ring bound manual. Size: $81 / 2 \times 71 / 2 \times 4^{\circ}$. Shpg. Wt., $41 / 2$ lbs.
38 P 24034 Model 213 kit
Net 23.90 38 P 24042 Model 213 wired, No Money Down


A simple, safe, electrical circuit tester
voltages from 60 volts $A C$ to 550 volts $A C$ or DC. Imported. Shpg. wt., 2 oz.

## 99 P 80715 Net ea, 49

 STANDARD. TEST LEADS

Standard test leads furnished with plastic prods and pin plugs which withstands chip. ping or breaking. Extra flexible kinkless vinyl covered $60^{\prime \prime}$ red and black leads. Prods are red and black. 4" long $\times 3 / 8^{\prime \prime}$ diameter. Supplied in pair of one red and one black. Available with either pin or banana plugs. Imported. Shpr. wt.. 8 oz. 1
99 P 50015 With Banana Plugs Net .59 99 P 50023 with Pin Plugs ...... Net . 59

UNIVERSAL TEST LEAD KIT IN PLASTIC CASE


Consists of: pair of red and black color coded 43/9" $\times$ 3/8" plastic handle pin prods with $30^{\prime \prime}$ plastic insulated leads terminating in coded $2^{\prime \prime} \times 3 /{ }^{\prime \prime}$ "banana plugs; pair of spade lugs; palr of phono-tios; and pair of red and black insulated alligator clips. Handsome compart. mented plastic case. Imported. Shpg. wt.,
702.
99
p
2

## STRETCH-TYPE TEST LEADS



Cannot kink or become entangled. $16^{\prime \prime}$ coil extends to 9 feet. Includes red and black plastic handles on each end. Probe $61 / 2^{\prime \prime}$ long including tips. Importec. Shpg. wt., 602. Net 2.39

## 99 P 50239 <br> 6 FT. COIL CORD TEST LEADS <br> 129

Stretch-type color-coded colled cord twin test leads. Furnished with $51 / \mathrm{s}^{\prime \prime}$ test prods on one end and pin plugs on the other end. Flexible vinyl clad wire cannot become entangled. $30^{\prime \prime}$ coiled leads extends to $6^{\prime}$ Imported. Shpg. wt.. 5 oz
99 P 50783
Net 1.29

## KLIPZON ADAPTER

Convert old test points to self holding prods. Pierces insulation of standard phone tips or needle type.
32 P 80161 Black, 2 oz. Net ea. . 44
$5^{20}$
 AC DC
LINE VOLTAGE
TESTER

Type 5406-LT. Sturdy, pocket sized tester has a range of $0-150$ volts, $A C / D C$. Plug into any wall outlet and read the voltage, then plug in the appliance(s) and note the new reading. Find (and oemonstrate) voltage drop or inadequate wiring as a source of service problems. Shpg. wt., 6 oz .
38 P 61697 $\qquad$ Net 5.2

## CRT 30KV TEST PROBE


$19^{95}$

- With Built-In Meter

Self-contained probe with built-in voltmeter. Easy to operate! Requires no batteries or external power source. 30,000 volts DC range; 20,000 ohms/volt sensitivity; accuracy of $\pm 3 \%$; multiplier resistance is 600 Megohm $\pm 2 \%$. Overall length is only $143 / 4 \mathrm{~m}$. With ground wire and clip. Shpg. wt., 12 oz. 38 P 12013

Net 19.95

## B \& K FP3 3 POINT PROBE



Easy one-hand way to check transistors, diodes and components in Printed Circuit 8 oards. Needle tips are spring loaded for proper contact. Colorcoded leads terminate in insulated alligator clips.
38 P 17269 Shpg. wt., $80 z$.
...Net 9.95

## CHEX-IT ELECTRICAL CIRCUIT TESTER

## $1^{8}$

88

Handy pocket size tester checks electrical continuity of line cords, switches, coils, and fuses. Ideal for checking out buzzers, chimes, and various other electrical appli. ances. Uses 2 inexpensive penlight cells. Shpg. wt., 3 oz .
38 P 79807 Chek-lt less batterles Net 1,88 Battery for "Chek-It." 2 required. 99 P 62580

## EICO Miscellaneous Test Instruments-Kit or Wired

## RESISTANCE \& CAPACITANCE SUBSTITUTION BOX KITS



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 $\pm 1 \% .9 \times 31 / 2 \times 31 / 2$ "D. Shpg. wt., $23 / 4 \mathrm{lDs}$.
38 P 26799 Kit
Net 24.95
As above but wired
38 P 26807 No Money Down* Net 34.95
1171 K RESISTANCE DECADE KIT Substitute equivalent values of resistance In a clrcuit. From 0 to 99,999 ohms in 1 onm steps in 5 decades. Uses $0.5 \%$ accurate resistors. Comparator switch permits instant substltution. 12 x x $31 / 2 \mathrm{~W} \times 3^{\prime \prime} \mathrm{D}$. Less leads. Shpg. wt., $34 / 4$ los.
38 P 26773 Kit
Net 29.95
Model 1171 Same as above but factory wired 38 P 26781 No Money Down ${ }^{\circ}$ Net 39.95

## MODEL 1140 SERIES/PARALLEL

RC SUBSTITUTION BOX KIT


A versatlie series parallel RC combination substitution box with switching facilitles for selection of any $R$ alone, any $C$ alone, or 1350 combinations of R and C in serles or parallel. Resistance values from 15 ohms to 10 megohms; capacitance values from 0.0001 to $0.22 \mathrm{mfd} . \pm 10 \%$ accuracy. Open and short circuit positions provided, Can be substituted in circult to determine values. Convenient 5 -way jack binding posts. $63 / 4 \mathrm{Hx} 5 \mathrm{~V} / \mathrm{W} \times 23 / 6^{\prime} \mathrm{D}$. Shpg. wt. 3 lbs. 38 P 26872 Kit $\qquad$ Net 19.95 Model 1140. Same as above but factory wired and tested.
38 P 26880

$$
\text { ...................................Net } 29.95
$$

## MODEL 950K R-C BRIDGE <br> \& RCL COMPARATOR KIT



- Comparator Range Allows the Use of Complementary Components as Standards
Combinatlon RC bridge and comparator, a direct readling ratio scale for comparison measurement of capacitance, resistance and Inductance with a "standard" complimentary component. Measures (in 4 ranges) 0.5 ohms to 500 megohms; 10 mmf to 5000 mfd . Comparator range: 05 to 20 . Varlable DC polarizing voltage from 0 to 500 V tests capacitors for leakage and shorts. "Eye".tube null indicator. Less leads. For $105-125 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}$. Steel case. BHxlOW $\times 43 / 4^{\text {nd }}$. Shpg, wt., 8 bs.
38 P 26898 Kit. No Money Down* Net 34.95 Model 950. Same as above but factory wired 38 P 26906 No Money Down* Net 49.95

MODEL 888 SOLID STATE DELUXE ENGINE ANALYZER KIT


- Large 6" D'Arsonval 2 Color Meter seven professionat engine and ignition systems in one. Determine the condition of battery, starter, ignition coll, distributor, voltage regulator, alternator or generator. Performs on 4, 6, or 8 cylinder, 6 or 12 volts, pos, or neg. grounded systems. Self-powered, ( 4 " $D$ " celis not included). SPECIFICATIONS: bwell 0 to $45^{\circ}$ for 8 cyl., 0 to $60^{\circ}$ for 6 cyl., 0 to $90^{\circ}$ for 4 cyl.; RPM - 0 to 1200 and 0 to 6000 for 4,6 , and 8 cyl.; Voltage - 0 to 3.2 and 0 to 16 V . DC; 0 hms - 0 to 20 K f for general contlinuity and afternator dlode testing; Current - 0 to 90 amps. DC. $111 / 2 \times$ 6 . $5^{\prime \prime}$ Shps. wt.. 9 lbs.
38 P 27227 Kit. No Money Down* Net 54.95 Model 888 as above but factory wired. 38 P 27235 No Money Down* Net 79.95


## EICO OSCILLOSCOPE ACCESSORY PROBES

Features: fully shielded rugged terminal board mointing of "all parts shock-mounted floating construction. Probe bodies are color-coded for easy identification.

[^5]
## 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 of as Ittlie as 1 ohm shunt resistance). Checks for opens; capacitors as small as 15 mmf In or out of circuit: Wien bridge circult measures capacttance with $\pm 10 \%$ accuracy between 0.1 mf and 50 mf at any point on the $4^{\text {" }}$ fucite dial-product, convertible into dissipation or power factor-indications visible on electron ray tube. includes fine adjust control. For $105-130 \mathrm{VAC}$. Size: $81 / 2 \mathrm{H} \times 53 / 4 \mathrm{~W}$ $\times 6^{\circ} \mathrm{O}$. Shpg. wt., $63 / 4 \mathrm{Jbs}$.
38 P 26914 Kit. No Money Down* Net 34.95
Model 955. Same as above but facrory wired.
30 P 26922 No Money Down Net 49.95

## MODEL 540K UTILITY TESTER KIT



KIT
$19^{95}$
meno $29^{95}$

An all-In-ane Multl-Range $A C / D C$ voltmeter, ammeter, ohmmeter, wattmeter and leakage checker. indispensable in home repalirs of electrical appliances, and in automotlve irouble-shooting of batterles, generators, distributors, etc. $31 / 2{ }^{*}$ meter. Ranges: Volts AC/DC 0.7.5-15.150-300. AC/DC current: 0.15 amps. Ohms: $0-1000$ ohms. Capacitor leakage test. All components and instructions supplled. $334 \times 6 \frac{1}{2} \times 3 \mathrm{~m}^{2}$. Shps. WL, $23 / 4 \mathrm{lbs}$. 38 P 26245 Model 540 Kit ...... Net 19.95 Model 540. As above, but factory wired. 38 P 26252

Net 29.95
MODEL 585K BATTERY TESTER


Test all popular battery types rapldiy under typlcal load. Specs: Yest Posttions(V): 1.5 (\# 6 cell) 1.5 ( $C, 0$ cells), 1.5 (AA cell), 4.5 , $6,9,12,22,45,67.5$, spare. Max. Battery Voltage and Current Spare Position: 250V, 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 P 27607 Madel 585 K $\qquad$ Net 12.95
Model 585. As above, but factory wired.
38 P 27615

# EICO Generators and Scopes-Kit or Factory Wired 



For IF-RF alignment, slgnal tracing and trouble-shooting of TV, FM, AM sets all on fundamentals; marker generator for alignment of new HF and older LF TV IF's. Range: $150 \mathrm{kHz}-145 \mathrm{MHz}$ on fundamental: $111-435$ MHz on callbrated harmonics $- \pm 1.5 \%$ fre. quency accuracy. Internal 400 Hz sine-wave modulation variable from $0.50 \%$. Colpitts oscillator. Variable gain external modulation amplifier; Turret-mounted, slug-tuned coils. RF output 100,000 microvolts. AF output up to 10 volts. Output impedance is 50 ohms. For $105-125 V$. AC $50 / 60 \mathrm{~Hz}$. SIze: $8 \times 10 \times 4 \frac{1 / 4 "}{}$ Shpg. wt., $91 / 4 \mathrm{lbs}$.
38 P 26591 Kit. No Money Down* Net 39.95 Model 324. As above, but factory wired. 38 P 26609 No Money Down* Net 54.95

## MODEL 330 K 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 comrisnlcations equipment. Coarse and fine Jevel controls for both the modulated and unmodulated RF output. RF Fundamental Frequencies. 100 hHz to 54 MHz in 5 bands; Output: more than $300,000 \mu \mathrm{~V}$ into 50 ohm load; RF Coarse Attenuation: three steps; RF Fine attenuatign: 0.100\%; Internal Modulation: approx. 400 Hz from $0.100 \%$; power requirements: $105-132$ V. $50 / 60$ HZ AC, Size: $74 \mathrm{H}^{\prime \prime H} \mathrm{H}$ $81 / 2^{\prime} \mathrm{W} \times 5^{\prime \prime} \mathrm{D}$. Shpg. wt., $8 \frac{1}{4} \mathrm{lb} \mathrm{b}$.
38 P 27656 Model 330 Kit ....Net 62.95 Model 330 as above but factory wired. 38 P 27649 No Money Down* Net 94.95

## DELUXE MODEL 460K 5" WIDE BAND DC SCOPE KIT



- For Color \& Black \& White
- 10 MV RMS/CM Sensitivity
- DC to 4.5 MHz Flat Respense
- TV-V and TV.H Sweeps

Excellent lab precision scope featuring pushpull direct coupled vertical amplifier with high sensitivity: $25 \mathrm{mv} / \mathrm{in}$. Response flat high sensitivity: 25 mv/in. Response idat
from DC to 4.5 MHz , useful to 10 MHz , ideal from OC 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. limiter and amplifier. $2 X$-full screen horizontal positioning. Sweep-freq.: 10 to 100 Hz with external capacitor for 10 -freq. sweeps. Preset TV V $\& \mathrm{H}$ sweep positions ( 30 and 7875 Hz ). Variable 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, $50-60 \mathrm{~Hz}$. Shpg. wt., 281/4 lbs.
38 P 26435 W Kit.
Net 109.95
Mode! 460. As above, but factory wired.
38 P 26443W No Money Down ${ }^{n}$ Net 159.95

944K FLYBACK TRANSFORMER AND YOKE TESTER KIT


## KIT <br> $29^{95} \quad 44^{95}$

- 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 circuit. Operates on extremely sensitive grid-dip principle to show up even one shorted turn. Separate calibratlon 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 6 K 6 . 105-125V. AC, $60 \mathrm{~Hz} .7^{\prime \prime} \times 5^{\prime \prime} \times 4^{\prime \prime} \mathrm{D}$. Shpg. wt.. 53/4. Ibs.
38 P 27011 Kit.
Net 29.95
Model 944 . Same as above, but factory wired. 38 P 27029 No Money Down* Net 44.95

5" OSCILLOSCOPE - VECTORSCOPE


- 12 MV RMS/CM Sensitivity

Preset TV-Vertical and TV-Horizontal sweep positions ( 30 and 7875 Hz ) makes the 465 ideal for all aspects of color and $B / W \mathrm{~W}$ servicing. Zener diode controlled voltage calibration source; distortioniess V and H trace expansion; Urift-free $V$ and $H$ positioning: automatic sync limiter and amplifier; full retrace blanking; edge lit calibration grid. Vertical amplifier specs: response from DC to $8 \mathrm{MHz}(+1-5 \mathrm{db})$; sensitivity, 12 mv / cm rms; input impedance, 1 meg ; Horizontal amplifier response from OC to $1 \mathrm{MHZ}(+1$ -3 db ); sensitivity, $17 \mathrm{mv} / \mathrm{cm} \mathrm{rms}$; input impedance, 1 meg; sweep ranges: $10-100$ $\mathrm{Hz} .100-1 \mathrm{kHz}, 1 \mathrm{kHz}-10 \mathrm{kHz}$. $10-100 \mathrm{kHz}$. Plus: TV-VERT position ( 30 Hz ) and TV-HOR position ( 7875 Hz ): For $117 \mathrm{v}, ~ \mathrm{AC} .60 \mathrm{~Hz} .123 / 4 \mathrm{Hx}$ $81 / 2 \mathrm{Wx17} 1 / 2 \mathrm{LD}$. Shpg. wt., $341 / 4 \mathrm{lbs}$
38 P 27425W No Money Down* Net 179.95
Model 465 as above but factory wired.
38 P 27433W No Money Down* . Net 249.95


A deluxe instrument with superb testing facilities, englneered for high sensitivity as well as good audio quality. Features high gain RF and low gain audio channels. Both visual and aural monitors. With shlelded RF crystal demodulator, valuable nolse locator clrcuit, buitt In calibrated wattmeter, substitute test speaker, amplifier and output transformer. Output for VTVM or scope. Twiode input circuit for extreme low nolse. Hum free operation. Complete with all components and instructions with probes. For $105-125$ VAC $50 / 60 \mathrm{~Hz}$, 8210x4 $34^{\prime \prime}$. Shps. wt., 11 lbs.
38 P 26617 Kit. $\qquad$ Net 39.85 Model 147 As above, but factory wired. 38 P 26625

## MODEL 379 SOLID.STATE

SINE/SQ WAVE GENERATOR KIT


- Covers 20 Hz to $2 \mathrm{MHz} \operatorname{In} 5$-Bands Simulfaneous Sine and Square wave outputs! Frequency Range: Sine Wave -20 Hz to 2 MHz , square Wave -20 Hz to 200 WHz ; Out. put Voltage: Sine Wave -0.7 .5 volts pms into high impedance output, $0-6.5$ volts into 600 ohms; Square Wave $-0-10$ volts peal-topeak into high impedance. Accuracy: $3 \%$. For $105 \cdot 132$ VAC. $50 / 60 \mathrm{~Hz} .71 / 2 \times 81 / 2 \times 8122^{\prime \prime}$ 38 P 27532 Shpg. wt., $11 / 4$ lbs. Net 69.95 Model 379 as above but factory wlred.
38 P 27540 ................................Net 99.95

MODEL 150 K SOLID-STATE SIGNAL TRACER KIT


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# ELEHTROUIFI Garage Door Openers 



## STANDARD GARAGE DOOR OPENER



No Need To Get Out Of Car Door Opens Automatically


Motor Control

## DELUXE HEAVY-DUTY GARAGE DOOR OPENER

- $1 / 4$ HP Motor-For Doors Up To 16 ft .
- Solid-State Electronics with Private Tone Coding
- Reliable Gear-Head Chain Drive

Automatically opens and closes garage door. No need to expend physical energy. No need to get in and out of the car in bad weather Instalis quickiy and easily on existing door. Use with single, double, sectional, 1-piece, wood, metal or fiberglass door. Up to 175 lbs pulling force; enough to handle most doors. Needs only $11 / 2^{\prime \prime}$ headroom between door and ceiling. Light goes on when door opens; goes off when door is closed. Door stops when it meets an object. Solid-state receiver. Push-button conveniently mounts on wall inside garage for indoor operation. For 117 VAC. 60 Hz . Ut listed.
13 P 02191 wUX Shpg. wt., 55 los.
Net 129.95
See Listing of Accessories Below

- 1/3 HP Motor-For Doors Up To 22 ft .
- Separately Housed Mechanical and SolidState Controls
- Built-in Garage Light Timer

Opens and closes garage door at the touch of a button. Heavy duty chain drive motor easily lifts doors up to 22 ft . wide and 8 ft . high up to 200 lbs, pulling force. Use with single, double, sectional, 1 plece, wood, metal or fiberglass door. Easy installation; only $11 / 2^{\prime \prime}$ headroom needed. Wall mounted solid-state receiver. Push-button for indoor operation. Door automatically stops and reverses when door meets an obstruction. Bullt-in dual light goes on when door opens; stays on two minutes after door closes. Individually keyed tone coding maintains maximum security. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. UL isted. Shpg. wt., 65 lbs.
13 P82205WUX
Net 169.95
See Listing of Accessories Below

Extra transmitter for second car.
13 P 82159 Shpg, wt., $3 / 4$ lb
Key Switch for outdoor operation, with 2 keys 13 P 82043 Shpg. wt., $1 / 2 \mathrm{lb}$. Net.

ACCESSORIES
Outside quick release lock. Used to open door from outside when electricity fails. Shpg. wt., 8 oz.
13 P 82134 $\qquad$ Net 5.49
$\$ 3$ P 8214216 oz. Dry Spray Silicone Spray Lube Net 2.50

## RADIO CONTROLS FOR ANY DOOR OPENER

- Transistorized Tone Coded Receiver and Transmitter.
- Up-date or Convert Any Electronically Operated Garage Door Opener to Operate from Your Car

No Money Down*

System conslsts of two units, a transistorized radio Tone Coded Transmitter and receiver. Operates any electrically controlled door opener up to 100 feet away. Tone modulation circuitry gives you complete security; only your personal, pocket size Tone

Coded Transmitter can trigger the recelver Installs in minutes. Shpg. wt., $11 / 4$ lbs. 13 P 82217 ........................................ 59.95
Extra Transmitter for Second Car. 13 P 82159 Shpg. wt., $3 / 4$ lbs. Net 23.95

Radio Control for Any Door Opener.


Transmitter


- Miniature and Completely Transistorized
- Gives Advance Warning


WIRED
$31^{95}$

Complete With Long Life Mercury Batteries

- Clips Easily on Sunvisor
- Rugged Printed Circuit

Radar alert wired-miniature electronic detector gives an audible warning whenever it intercepts a radar beam. Dual-Band circuit detects all commonly used police radar speed meters and traffic control devices, both vertically and horizontally polarized, to promote safer driving. Miniaturized and completely transistorized. Top quallty components; printed wiring; 8 transistors; two 1.000 hour mercury cell, self-testing batteries (equivalent to 35,000 miles of driving at 35 M.P.H.) Magnesium case eliminates radio. TV and other interference.

Weighs only 13 ozs., measures $35 / 8 \mathrm{~W} \times 21 / 4 \times 31 / 4^{\prime \prime} \mathrm{D}$; clips to sunvisor Complete with batteries, sunvisor clip. Instructions included. Shpg. ivt., $11 / 2$ lbs.
11 P42017 No Money Down* $\qquad$ Net 31.95

## RADAR ALERT KIT. Same as above in kit form.

1) P 42462

Net 23.95
This item not intended for resale in states where its use is for bldden in motor vehicies by public regulation.

# Popular Accessories for Your Car 

WINDSHIELD DE-ICER

- Heavy Duty-Just Heat and Scrape ONLY 1095


Heavy duty, fast acting de-icer with high capacily blower. Clears up iced windows long before your car's own heating system has a chance to take effect. No more frozen windshields to block or distort vision. Heavy gauge, 16 ft . cord is long enough to reach all windows. Plugs into cigarette lighter. Break-resistant, cycolac housing. With mounting bracket and in-line fuse. Shpg. wt., 23/4 lbs.
11 P 22514
Net 10.95

## 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. Completely with 12 foot cable for reach Ing back windshield. Two suction cups make mounting fast and easy. Length $15^{\prime \prime}$. Shpg. wt., $3 / 4 \mathrm{lb}$.
11 P13075
Net 3.85

## PRIMETTA "FOGGLES"

FOR SAFER DRIVING:

- AT NIGHT
- IN RAIN
- IN FOG
- IN SNOW

Scientifically designed to protect eyes from glare of headlights. street lights, etc. without materialiy reducing vision. Filter lens exclude all uttraviolet rays. Ideal for driving at night, in rain, fog and snow. With case. Shpg. wt., 4 oz .
11 P 32018
Net 2.69
Clip-on "Foggles"-use on existing glasses.
11 P 32026 Shpg. wt., 4 oz.
Net 2.19


## CHILTON'S AUTO MANUAL <br>  95

CHILTON'S 1972 AUTO REPAIR MANUALA completely revised manual for every American car since 1965 including new Pinto and Vega compacts. 3500 illustrations, 1480 pages. Helps pin-point trouble and correct it $10 \mathrm{P} 2 \mathrm{Bo18}$ Shpg. wt., $73 / 4 \mathrm{lbs}$. Net 9.95

## RADIO TRANSVERTER

Now you can avold the expense of buying a car radio with this radio transverter. Simple to operate-remove 9 -volt battery from your transistor radio, connect contacts from transverter to battery contacts in the radlo. and then plug into the cigarette lighter. Shpg. wt., 302.
11 P 48014 For 12 -volt cars .... Net 1.95

## 10 FT. NYLON TOW CABLE <br> 

The perfect cable for towing ANYTHING UP TO 5,000 LBS. Constructed of heavy-duty I" wide, DuPont Nylon webbing that stretches $\mathbf{2 5 \%}$ to take up shocks for smooth, safe towing. Dil, grease and water resistant too! Dual. self-aligning clip attaches to any bumper. Shpg. Wt. $13 / 4 \mathrm{lbs}$
11 P 24023
Net 3.95


## Sow Uhe SUPER POWER AUTO VACUUM CLEANER



- Super Power Suction
mintin U. S. 1
- Plugs Into Cigarette Lighter Socket A smart portable accessory for every car owner. Super power suction cleans in seconds. Specially designed nozzle gives easy access to hard to get at places such as under seats, ash trays, and in crevices. Its lightweight, and durabie rust and dent proof construc. tion make this fine unit ideal for boats. planes. trailers, and tents also. Easy to handle and well balanced. Operates off standard 12 V DC car battery. Plugs right into the cigarette lighter socket. Size: $17^{\prime \prime}$ long $\times 4^{\prime \prime}$ wide. Shpg. wt., $21 / 2$ lbs.
11 P 22506
.Net 9.95


## DUO.VOLT ${ }^{\circledR} 12$ VOLT and 110 VOLT HAND 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 lightweight. Long-reach, heavy-duty cord. Ideal for auto, home, office, boat, or workshop. 'Toss-Away' bags for easy disposal. Convenient handle, On/off switch. With wide 'Pik-all' nozzle. dusting brush, and crevice tool. Decorator colors. Shpg wt., 6 lbs.
11 P 67527
....Net 22.50

## 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 silver, 24 k gold or chrome-like metal. Plate new articles wlth equal safety and ease. Kits come complete with battery case, plating brush. holdei wire and clip, plating solution and directions. Less batteries Chrome Plating Kit: covers approx. 12.20 sq.' Use 4 AA cells.
11 P 25509 Shpg. wt., $11 / 2$ lbs.
As Low As


95


Silver Plating Ct . covers approx. 2 Sq. ft. Use 2 AA cells 11 P 25525 Shpg. wt., $11 / 4$ Ibs. .................................. Gold Plating Kit: covers approx. 1 sq. ft. Use 2 AA cells. 11 P 25533 Shpg. wt., $11 / 4$ lbs. Net 13.95 Refills for above. Material to do as much as in original kit.
11 P 25517 For Worn Chrome Kit. Wt., $11 / 4$ lbs. - 14.95 1 p 25541 For Silver Kit sheg wit i, ibs. Net 4.30 11 P 2555 For Gold Kit. Shpg. wt., 1 ib. Net 3.95
99 P 62580 Batteries for above

Just trace along route on map and multiply miles per inch factor byyeading on dial. Reads directly in inches up to 39". Bullt-in magnetic compass has cardinal and secondary points - fall $360^{\circ}$ markings in tenths. With leather sheath. Imported.
13 P 41015 Snpg. wt. 4 oz . ....Net 2.25



Accurate mechanic-quality pencll-type gauge. Triple chrome plated finlsh. 4-sided nylon indicator bar calibrated from 5-50 lbs. in one ib. units. Spring lip holds gauge in pocket. Buili-In deflator tlp. Shpg. wt., 6 oz. 11 P 30509

Lafayette Cat. No. 730
383

# Auto Warning Signal Lamps-Accessories 



TRIPP-LITE<br>PROFESSIONAL REVOLVING WARNING LIGHT

## GELIA QUARTZ-1ODINE FOG AND DRIVING LAMPS

\author{

- 260,000 Candle Power <br> - Die-cast, Slim-Line Body
}


## $22^{95}$

- Magnetic Base Mount
- Plugs Into Cigarette Lighter

Instantly converts any vehicle for emergency use. Meets the requirements of volunteer firemen, auxiliary police officers, and other civil officials. Emits 90 powerful, high-visibility flashes per minute. Beltdriven rotating beacon is unaffected by extreme heat or sub-zero cold. 6 heavy-duty magnets mount unit to any metal surface, such as top of car. Avallable in red, blue, or amber. Height: $71 / 6^{\prime \prime}$. Diameter: 53/4". Shpg. wt., 23/4 lbs.
11 P 89588 Red
Net 22.95
Net 22.95

11 P 89604 Amber
Net 22.95

## DELUXE REVOLVING BEACON 795

- Plugs Into Cigarette Lighter Outlet
- Rotates Like a Lighthouse Beacon
An amber warning light that rotates 360 degrees and flashes in all directions. Suction mount holds the beacon firmly in place. Signals for help for miles around: creates a safely zone during a traffic emergency: For use on autos, boats, trucks, docks, etc. For 12 voit use; complete with cigarette lighter adapter plug Shpg. wt., 13/4 lbs.
11 P13042
Net 7.95
GLUE TURRET LENS. Converts Revolving Beacon for use by emer gency vehicles, volunteer fire depts., CD units, etc. Shpg. wi., 5 oz 11 P13059

Net .95


## LIGHTHOUSE LANTERN

- Flashing Red Light
- White Light Beam

Combination lighthouse is both a powerfut lantern and a highly visible emergency beacon, 4 -position switch controls on/off; white beacon; flashing red; and flashing red and white at the same time. Twin lighthouse type reflectors measure $2 \times 23 / 4^{\prime \prime}$. Completely portable; use in car, boat, plane, camping. Runs on 5 ' $D$ ' batteries (not included). Shpg. wt., 4 lbs.
11 P 53501
Net 6.95
Batteries for above ( 5 req.)
99 P 62564
Net ea. . 19

## REVOLVING BEACON

3
95

- With Amber Lens


Giant size amber turret lens flashes and rotates fuil $360^{\circ}$. Bright enough to signal help for miles around. Creates a safety zone while changing a fiat or during a traffic emergency. For use on autos, boats, trucks, docks, efc. Big suction cup base will mount on any smooth surface. Glant size amber turret lens, brilliant finish. Uses 3 " $D$ " batterles. (Not included.) Shpg. wt.. $11 / 2 \mathrm{lbs}$.
11 P14503
. Net 3.95
Batteries for above.
99 P62564
..Net ea. . 19

High power, long life lamp gives life saving Illumination in poor weather, makes night driving safer and less tiring. Wide angle, sharp cut-off fog lamp beam penetrates heavy fog. Driving lamp has concentrated narrow beam for reaching far ahead of nor mal high beams. Chrome plated body. Sealed lens and reflector keeps out dirt and moisture. Fully adjustable mounting bracket and 3 ft . attached wire. For 12 volt use. $53 / 4^{\prime \prime}$ diameter, $21 / 2^{\prime \prime}$ deep. Shpg. wt., $21 / 4 \mathrm{lbs}$ Fog lamp. amber
11 P 26515
Net 13.79
Driving Lamp, clear
11 P 26523 .........
Net 13.79
Replacement Bulb
$\qquad$ Net 4.95

## 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 spotlight 3 times brighter than ordinary sealed beam spotlights, and lasts $21 / 2$ times longer. The super-energized Halogen $\mathrm{H}_{3}$, quartz iodine bulb projects a powerful, concentrated beam of light over distances of $1 / 2$ mile. Wide $6^{\prime \prime}$ buib face is perfect for spotting signs at night, house numbers, emergency breakdowns, marine navigation, or anytime precise, reliable illumination is needed quickly. Conveniently plugs into cigarette outlet. Onfoff switch. For 12V. DC. Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$.
11 P 52529
.Net 19.95

## PORTABLE HAND SPOTLIGHT

- 12 Volt 35,000 Candlepower Sealed Beam
- 9.Foot Cord with Plug
- All Chrome Die-cast Metal Housing

Plug-in portable spotlight is a real "llfesaver" in emergencies-provides dependable, instant, powerful light for safety in every night-driving need. Finger-grip handle with on/off switch permits easy direction of light beam. Flexible 9 -foot cord; sealed beam; convenient hang-up hook; rich chrome plate on die-cast metal. Fits most cigarette lighter sockets.
11 P 16250 Shpg. wt., 2 lbs. . Net 4.95

## 25-FT\& 12 VOLT TROUBLE LAMP

- Complete With 50 Watt Bulb An all purpose emergency light for shop, garage or "on-the-road" use. 12 -volt light taps directly from battery of cars, trucks or boats. Color coded alligator clips, yellow cord. Complete with bright 50 watt bulb. Shpg. wt., $21 / 2 \mathrm{lbs}$.
12 P 44516
Net 3.39
Replacement Bulb
12 P 44524
Net .95



## CIGARETTE LIGHTER PLUG

Run any 6 and 12 volt accessory from cigarette lighter receptacle of your carbattery chargers, shavers, CB radios, trouble lights, etc. Also use to replace defective plugs. imported. Shpg. wt., 3 oz.
99 P 85136 $\qquad$ Net .59


Auto Accessories and Test Equipment at Low Prices

## Custom Horns - For Your Car

# King oftrinoad <br> TRIPLE TONE ELECTRIC AUTO HORN 



Get rid of your old horn. Blow the loudest, richest, most melodious horn around. Custom quality three-horn assembly gives you a distinctive, attention-getting sound. Dimensions $51 / 2 \times 8 \times 103 / 4 \mathrm{LL}$. Black enamel finish. For 12 -volt systems.
11 P 44542 Shpg. wt., $4 \frac{3 / 4}{4}$ lbs.

HORN

distinctive
TONE
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 $4 \times 51 / 2 \times$ $61 / 2^{\prime \prime} \mathrm{H}$ horn is easily installed in any car. Complete with mounting hardware and horn button control. Finished in 2-tone black and red enamel. For 12 V.
11 P 44534 Shpg. wt., $21 / 4$ lbs........Net 6.95


## CONTINENTAL HORN

## $14^{95}$

- With European Sound
Swing with the sounds of the continent! Twin
 continental electric horn

automatically alternates from high to low notes like European polic. horns. Clear, crisp tones are sure to attract the attention of pedestrians and other motorists. Different from other horns, consists of a high note unit and a low note unit mounted on a single sturdy frame. Mounts under the hood of virtually any car, In any available space. Complete with horn button control, wire, mounting hardware, and complete installation instructions. Black enamel finish with bright chrome grill. For 12 volt. Dimensions: $31 / 2^{\prime \prime} \times 51 / 2^{\prime \prime} \times 9^{\prime \prime}$. Shpg. wt. $31 / 4 \mathrm{lbs}$.
11 P 44500
Net 14.95


## ELECTRONIC AUTO BURGLAR ALARM



Protect your car from intruders. Opening a door, trunk or hood, or activating any electrical accessory will immediately sound your car horn. Cannot be shut off by re-closing door, etc., and engine will not start until you manually turn off the hidden control unlt. Trunk and hood lights are required for protection of these areas. If vehicle is not so equipped, see listing below. Alarm system is easily connected to horn relay and battery. 11 P 52511 Shpg. wt., $1 / 2 \mathrm{lb}$.

Net 9.95

## AUTOMATIC TRUNK \& HOOD LIGHT

- For All Cars With 12 Volt System

Light up your entire hood or trunk compartment. Bright diffused light Illuminates trunk or hood compartment for loading or unicad. ing trunk... for making engine inspection or repairs at night. Completely automatic with Honeywell mercury switch. Eastly installed. All hardware and wire included.
11 P 43015 Shpg. wt. 1/2 lb. Net ea: 2.19 Lots of 21.99 each

## "FIAMM" ELECTRO COMPRESSOR AIR HORNS

- Chrome Plated Brass Trumpet
- Range of $1 / 2$ Mile
- Loud-ClearContinental Tone


## As Low As $19^{95}$



Moriel 32. Custom quality chromed trumpets with loud clear, piercing, continental tone. Range up to $1 / 2$ mile. Ideal for use on trucks, sports cars, emergency vehicles, buses, boats, etc. Compressor dumps air to trumpets instantly when horn is pressed. there's no walting for pressure to build up. Supplied with Town and Country Selector Switch which enables use of original horns for city 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 P 82500 Shpg. wt., $41 / 2$ lbs. . $\qquad$ Net 22.95
Model 22. Same as above but trumpets are enameled die-cast metal. 11 P 82518

Net 19.95

## SECRET AUTO-IGNITION GUARD



- Stops Car Theft $2^{49}$ - 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. Shpe. wt. 1/2 lb.
11 P 13117
Net 2.49


A real joy for the car enthusiast. An authentic motor-driven horn approved as an exact reproduction in sound and appearance by members of antique car, hot rod, and horseless carriage clubs the world over, Chrome-plated bell with black wrinkle-plated housing. With horn button, wire, bracket and instructions. Shpg. wt., $33 / 4 \mathrm{lbs}$.
11 P 30012 6-voit
Net 11.95
11 P $30020 \quad 12$-volt
Net 11.95

ADJUST-A-LOCK

Only
$6^{95}$


Car anti-theft device that makes your car theft-proof in seconds! Requires no special fittings. Fully adjustable steel rod with key lock attaches to the steering wheel and brake pedal making it impossible to drive your car away. 360 degree swivel top permits universal mounting for all makes and models of cars.
11 P 62106 Shpg. wt., $21 / 2 \mathrm{Ibs}$.

# Automotive Theft Protection Devices 

# ON-GUARD PROFESSIONAL SIREN. ${ }_{\text {as low }}^{\text {As }} 27^{88}$ OPERATED BURGLAR ALARM SYSTEMS 



A penetrating police siren and trumpet constructed of spun aluminum for loud piercing sound. System helps prevent break-In pilferage, damage, and inconvenience. Activator switches protect all access openings including trunk and hood. Siren blasts loud and clear and remains on until manually reset by pick-proof lock switch. Great for cars, wagons, trallers, frucks, and vans. Supplied with relay. six alarm activator switches, wire, terminals, screws, and pick-proof key lock with two keys. Shpg. wt., $63 / 4 \mathrm{lbs}$.
11 P62064
Net 19.95
This item not intended for resale in States where its use is forbidden in motor vehicles by public regulation.

## Deluxe current sensing solid-state car burglar alarm. Easily installed.

 No need to wire switch to individual car doors, unit automatically senses any current drain caused by opening door, hood or trunk, ignition key, etc. (except clock). Switches and brackets supplied for cars without trunk and hood lights.11 P 62098 Shpg. wt., 6 lbs.
.Net 29.88
This item not intended for resale in States where its use is forbidden in motor vehicles by public regulation.

## ON-GUARD HORN BURGLAR <br>  ALARM <br> $6^{88}$ <br> 

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 sllenced by closing the point of entry. Can be shut off only with the alarm key. System includes six alarm activator switches, lock, 2 keys, 2 relay switch unit, wire, mounting hardware, and simple instructions. Shpg. wt., $3 / 4 \mathrm{lb}$.
11 P 62023
Net 6.88
AUTO SENTRY ELECTRONIC CAR BURGLAR ALARM


- With Push Button
Combination
Alarm Set
(

Pushbutton transistorized car burglar alarm mounts under dash or in glove compartment. Alarm has five pushbuttons, 2 of which are pushed when en. tering car. After a delay of 15 seconds, if the proper 5 button combination has not been pushed, car horn will automatically sound at 15 second Intervals until alarm is reset. Pushing all buttons or the wrong combination automatically activates alarm. Unit resets automatically when you leave car. Any current drain on car's electrical system (except clock), activates alarm. Protects car's trunk and hood, if trunk and hood light already installed, or use accessory light below. Front panel light indicates that unit is armed. Size: $21 / 4 \mathrm{Hx} 31 / 2 \mathrm{~W} \times 3^{N} \mathrm{D}$. Shpg. Wis, $11 / 2$ lbs.
11 P 42538
Net 29.95
Accessory relay for use on all Ford and Foreign cars. Shpg. wt., 6 oz. 11 P42553

Net 4.50
Automatic Trunk or Hood Light. Shpg. wt., 1/2 lb.
11 P43015
Net 2.19

# "DO-IT-YOURSELF" Auto Accessories REAR WINDOW DEFROSTER / DEFOGGER <br> EASY 


#### Abstract

- Enjoy the

Convenience and Safety of Clear Rear Vision - Adjustable Louvers

Direct Air Where Needed 

Eliminates the hazardous oriving conditions caused by Steam, Fog, Frost on rear windows. Alr drawn from interior of car blankets rear window. Removes condensation and frost. Prevents accumulation of snow while car is in motlon. Unit is easily Installed in trunk; does not interfere with spare tire or luggage space. Adjustable louvers to direct flow of alr are recessed; will not interfere with vision or rear dech space. Dash switch controls defroster operation. Kit includes heavy duty motor, defroster hoses, adjustable louvers, switch, wiring, templates and installation instructions. Fits all cars, (excep station wagons, convertibles, and rear engine cars) for 12 volt electrical system. Shpg. wt., 54/4 lbs. 11 P 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. Wlth on-off switch, necessary hardware, 15 feet of wire, and instructions. For 12 volt cars. 11 P 51505 Shpg, wt., 1 ib. Net 5.95

## REAR WINDOW <br> UÚf <br> - Looks And Operates

 Like Original Equipment
## $5^{95}$



Provides perfect visibility in all weather conditions. The electronic heating circuit is printed on crystal clear, durable Dupont Mylar making it extremely durable and offering great resistance to temperature extremes. Its large size (12"* $\times 33^{\prime \prime}$ ) covers the rear window of even the biggest American cars as well as the smaller imports. Includes On-0ff switch and all necessary fittings. Easy to install; shleld is self.adhering. For 12 Volt systems. Shpg. wh., 1 lb. 11 P 65570

Net 5.95

## 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 install. Mounts under dash. Shpg. wt., 502. 11 P 50010

Net 2.95

## UNIVERSAL 6-AND 9 -VOLT ADAPTER FOR 12-VOLT CAR OR BOAT BATTERY

> - Plugs into Cigarette Lighter
> - Switch for 6 or 9 Volts

> Provides 6 or 9 volts OC (to 300 mA ) for operation of transistorized tape recorders, radios, etc. 5 popular-size plugs and polarity change connector enable use with practically any set. Solid-state clrcuit provides constant, regulated supply of power. 11 P 41076 Shpg. wt., 6 02. . Net 5.95


- Does Not Affect Braking or Instant Pick-up
- Helps Adhere to Posted Speed Limits
- Sets Fast Idie for Quick Cold-Weather Warm-up

An Electric speed Control which enatles you to drive at a constant speed over level surface by automatjcally holding the throttle steady. Eliminates the need to keep a'foot glued on accelerator on long trips. Once you reach desired speed, simply pull out knob and the 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 pedal Is depressed and completely disengages in the event of any malfunction. Designed to fit all cars and trucks. Shpg. wt., 2 bs,

## 11 P 59011

Net 22.30

## MOTOROLA ELECTRONIC ALTERNATOR SYSTEMS WITH TRANSISTORIZED VOLTAGE REGULATOR



No Money Down*

- For Automotive, Truck Industrial and Farm ¿üüipment
Low cost solution to the heavy demands made on your car or truck's electrical system. Unlike D.C. genefators, it supplies a charge at idle speeds and treents me battery at a unlform high level nf ehatge. The aii-transistor voltage regulator has no contact points or mechanicat relays. Fits nearly all cars and trucks and is less than half the size and weight of a similar capacity D.C. generator. Shpg. wt., $133 / 4 \mathrm{lbs}$.
11 P 7503355 Amp
Net 64.95


## QWIK CHANGE OIL DRAIN KIT

 $10^{35}$- Change Your Own Oil Quickly With Just a Twist of a Knob Now anyone can change their oil simply and efficiently with just the iwist of a knob. It is permanently Installed under the hood and replaces the drain plug in the oil pan. The knob activates the valve on the oil pan to drain the oll out. Closed it seals securely, Valve is all steel. with tight teflon seal and positive action flexible cable. Fits the following cars: Buick 59.72, Chevrolet 54-72, Chrysier, Dodge, Plymouth 62-72, Mercury 59.72, Oldsmobile 66-72, Pontiac 54.72. No more stripped drain plugs. Saves time and money. Perfect for the racing enthuslast, ideal for boat owners, saves bitge crawling. Shpg. wt.. $11 / 2 \mathrm{lb}$. 11 P 52503

Net 10.95

## 12-FT. TANGLE-FREE BATTERY bOOSTER CABLE

Tangle-free Cable twins with $100 \%$ Copper Conductor. Special Duplex Cable Construction. With one side color-striped for quick polarity identification. Made with heavy-duty, fexible rubber-covered cable. Standard equipment for starting stalled cars, and charging batteries. Wt., 4 lbs.
11 P 19528
.Net 4.50


# Electronic Ignition Systems For Your Car 



## MARK 108 CAPACITIVE discharge igilition

 SYSTEM
With VARI SPARK® Circuitry

## $49^{95}$

- Handy Switch For Instant Return To Standard Ignition Offers every benefit of the Mark 10 system, plus more power and more features. The Vari Spark(B) circuitry controls the spark duration as well as the spark intensity over all ranges of operation. Specitically for modern day engines with emission control devices. .. . helps overcome operational problems caused by poop manifolding, 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 ignition. Rugged housing with neoprene seals affords dust and moisture protection. For any 12 volt negative ground system. Installs immediately' with two simple connections to the existing coil, leaving the standard system intact. 11 P 84522 Shpg, wt., $24 / 2$ lbs. No Money Down* ...Net 49.95


Positively improves performance! Like a mechanical magneto used on racing cars, the electronic magneto provides a minlmum of 30,000 volts with the fastest rise time of any system available. Like having a permanent tune-up; doubles plug and point life, 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 radlo, electronic or Ignition test equip. ment. Uses siticon components. is fully protected by zener diodes. Completely sealed against water and corrosion. Simple In stallation by transferring wires from present coll to the magneto and connecting an additional wire to ground and you're ready to go! Size: $71 / 2 \times 3^{\prime \prime 1} 1 / 2$. Shpg. wt., $41 / 4 \mathrm{lbs}$.
11 P 35508 No Money Down*
Net 39.95



No Maney Down*
A complete ignition modernizing kit giving your car the added efficiency and economy of electronic switching. Operates by a simple connection to the existing coil 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 moisture and dust. proofing. Fully suppressed for excellent
radio reception. Installation 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 Ife many times. Overall increase in performance, acceleration and gas mileage. Designed for cars with 12 -volt negatlive ground systems. Shpg. wt., $33 / 4$ lbs. 11 P 75066 $\qquad$ ................................

## JUDSON ELECTRONIC IGNITION SYSTEM



- Quick, Easy Installation
- Improves Performance and Gas Mileage

Instali a Judson SEE/DEE Electronic Ignition System on your car. It provides the dependability and periormance required for the modern high speed engine. The current for the See/Dee system is completely controlled 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 failure 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 P 35516

# Auto Gauges - Compass - Clock 

## 31/4" $270^{\circ}$ "WIDE-SWEEP" transistorized

 TACH $29^{95}$- Precision 0-10,000 RPM Scale - For 4, 6, or 8 Cylinder


## 3½" HIGH PERFORMANCE

 SOLID-STATE TACHOMETER- Highly Accurate $0-8000$ RPM Scale
- For Any 4. 6, or 8 Cylinder Engine


Attractively styled, easy-to-read solid-state $0-8000$ RPM tachometer features a precision jeweled D'Arsonval meter that assures steady and accurate readings. Includes adjustable shift indicator pointer. Seff-contained solid-state unit has Zener-stabilized circuitry making the meter accurate to $\pm 2 \%$. Individually factory calibrated. Handsomely finished in chrome case with black trim; white RPM meter markings contrast pn black satín illuminated dial. Easy-mount bracket. For all 4. 6, or 8 cyliader engines; 12 -volt positive or negalive ground electrical systems
11 P 38098 Shpg. wt., $11 / 2$ lbs.
.Net 16.95

Our finest tachometer features a wide sweep $31 / 4$ " illuminated 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 $3^{1 / 2^{\prime \prime}}$ deep heavy chromed and black housing and universal mounting for dash or console mounting. For transistor or regular ignition systems at 6 or 12 volt positive or negative ground and zero adjust. Shpg, wt., $11 / 2$ lbs
11 P 42512
Net 29.95

## DELUXE $270^{\circ}$ OIL PRESSURE GAUGE/AMMETER <br> DELUXE 270 OIL/WATER GAUGES/AMMETER



- Gauges Tilt In Any Direction
- Internal Lighting Lights The Gauges
- Separate Black and Walnut Panel Inlays Supplied

Attractive two in one orl-ampere gauge console. Large, illuminated $2^{\prime \prime}$ dials tilt in any direction. $270^{\circ}$ full swing oil pressure gauge with precision geared brass bourdon tube movement detects trouble before it occurs not after. Reads pressure accurately 0-80 lbs. psi. Sender unit has a universal 1/6 PT connector. Ammeter gives accurate current readings for all generator or alternator equipped cars. Shows rate of charge of discharge from $60-0-60$ amperes. Shpg. wt., $11 / 2 \mathrm{lbs}$.
11 'P 42439

Custom panel of three illuminated $2^{\prime \prime}$ gaukes that tilt in any direction. $270^{\circ}$ full swing oif pressure gauge with precision geared brass bourdon tube movement reads accurateiy from $0-80$ lbs. $p s i$. Ammeter gives accurate charging rate of both kenerator and alternator systems from 60-0.60 amps. $270^{\circ}$ full swing mechanical water temperature gauge also features a precision geared brass bourdon tube movement. Reads $100^{\circ}$ $220^{\circ} \mathrm{F}$. Complete with $72^{\prime \prime}$ capillary tube and adapter. Shpg. wt., $21 / 4$ lbs. adapter. Shp
11 P 42447

## DELUXE AIRWAY UNIVERSAL COMPASS



Precision instrument features fingertip regulators with 8 gears and special magnets to provide added accuracy and quick compensation. Dpecial alows up $30^{\circ}$ tilt Catibrated in 5 degree interyals. UniDesign alrows up to 30 til. Cosition on all cratt and vehicles. Pleid versal bracket mounts in any position on ali crait and vehicles. Rigid crystal clear plastic with gleaming chrome and black finish. Illumim nated. Shpg. wt., 12 oz.
11 P 65059


Can accurately check your car, truck, or boat's electrical system wishout getting "under the hood." Performs 3 individual tests indicating the condition of the battery, generator or alternator, and voltage regulator. Meter has a jewelled D'Arsonval movement accurate to within $2 \%$, and large muiticolored dial. Sealed one-piece body construction. Fits all U.S. and Canadian auto struction, Fits all U.S. and Canadian auto
cigarette lighters. Shpg. wt. $3 / 4 \mathrm{lb}$. 11 P 77500

Net 5.95

OPERATES UP TO 1 YEAR ON SINGLE "C" CELL $12^{29}$

- Attractive Case-Chrome Bezel-Sweep Second Hand
 A smartly designed and ruggedly constructed battery-operated cjock designed for use in the car and cabin cruiser. Use it as a desk clock or take it with you on trips. Chrome bezel, with bright easy-to-read white face, has black markings and features a second pacing sweep hand. Employs a unique fiber mesh fastening arrangement on its base. Can be positioned on any metal, wood, plastic surface, includ ing padded dashboards and yet is readily removable. tight in weight, only 13 ounces, attractively styled plastic case. $31 / 4 \mathrm{D} \times 31 / 2 \mathrm{~W} \times 21 / 2^{\prime \prime} \mathrm{H}$. 99 P 85243 Shpg. wt., 1 lb.

Net 12.29 99 P 62572 Battery for above

Net .17

# Auto Gauges and Test Equipment 



## DELUXE $31 / 2^{\prime \prime}$

 ALL-ELECTRIC GAUGE OIL-AMPS-WATER $19^{95}$- All ElectricNo Tubing
End guess work and space problems with this all-electric, $31 / 2^{\prime \prime}$ diameter, three-in-one gauge. Illuminated dial gives fast, accurate individual readings of oil pressure, amperage, and water temperature. Amp. gauge reads -60 to +60 , Oil Pressure registers 0 to 80 libs., and Water Temperature is indicated from $100^{\circ}$ to $220^{\circ}$. Fits all 6 or 12 volt negative or positive ground vehicles. Includes all sending units and wiring for easy installation, handy $360^{\circ}$ universal mount, heavy chrome plated metal beze! and baked black wrinkle back casé finish. Shpg. wt., $2^{1 / 2} 2 \mathrm{lbs}$. 11 P40052

Net 19.95


## COMPU-DWELL $10^{3}$ 95

Point and Timing Tune. Up with Engine Off
Get better performance, better gas mileage, and save money dolng your own ig. nition tune-ups. No skill is required, You can accurately tune the points and tim. ing of your car the very first time. Completely safe, because all work is performed with the engine off. Easily attached to distributor. Indicates point dwell for each cylinder, adjustment required, and timing. Made of rugged high-impact plastic. With test leads and Instructions. For ali 4, 6, and 8 cylinder engines, domestic or imported.

## 1 P 78508 Shpg. wt., 1 lb. 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 . micro-precision rings with feeler gauges, adapters, and tool for hex-wrench GM points. List of popular cars displayed inside cover of box. Shpg. wt., $3 / 4 \mathrm{lbs}$. 11 P 31507

Net 5.50

## SPARK PLUG AND 6.12-VOLT TESTER <br> 

- With Retractable Test Probe Needle And Alligator Clip

For testing 6 and 12 volt wirling systems on cars boats, trallers, or any low volt system. Test spark plugs, check fuses, find faulty sockets, shorts, broken wires. Quick easy visual test. Neon flash teils the story. Shpg. wt., 402
11 P 31515
Net 1.69

## COMBINATION SPARK PLUG AND IGNITION GAUGE

Handy combination of wire and narrow blade sizes to gap points and spark plugs with one tool. 15-17/4 $x$ 1/4" blades: .012-.032. 8 wire gauges: .022-.040. 1 tungsten file. Wt. 8 oz 14 P 52077 ......Net 2.39


GAS-SAVER VACUUM GAUGE $12^{95}$

- Automatically Shows Miles-Per-Gallon

Deluxe $31 / 2^{\prime \prime}$ gauge that automatically shows relative miles-per-gallon at any cruising speed, and accurately measures engine manifold vacuum. Indicates most economica! operating speeds. Shows you how o drive for best economy or power. Warns of leaks or restrictions in intake/exhaust systems, and lets you know when your engine needs a tune-up. Solid brass bourdon tube movement. Easy-to-read illuminated dial. Chrome plated and baked black wrinkle finish metal case with $360^{\circ}$ universal mount. Complete with all installation hardware. Fits any car. Shpg. wt., $13 / 4 \mathrm{lbs}$.
11 P 40060
Net 12.95


Complete tune-up kit includes: Compression Tester to locate valve, ring, piston and cylinder troubles. $21 / 2$ " dial is calibrated $0-300$ lbs Vacuum and Pressure Tester checks intake manifold, fuel pump, and sticky valves. Reads to 30 -inches vacuum and 7 lbs . pressure on $21 / 2^{\prime \prime}$ dial. Ignition powered Timing Light connects to any 6, 12, or 24 volt system. Remote Starter switch gives convenient engine control whlle working under the hood.
11 P 43536 Shpg. wt., 21/2 lbs. ...............................Net 10.95

(A) COMPRESSION TESTER

Shows worn or defective rings, pistons and cylinders. Easy-to-read $21 / 2^{\prime \prime}$ dial, calibrated from $0-300$ lbs. Has offset stem and rubber nose cone to fit all spark plug holes. Shpg. wt., 10 oz .

Net 3.29

## (B) VACUUM AND FUEL PUMP TESTER

Indicates worn or faulty parts in fuel pump or vacuum system. Easy-to-read $21 / 2^{\prime \prime}$ dial matches dial on compression tester. Calibrated from 0-30 inches vacuum and 0.7 lbs. for pressure. Aids in setting timing, adjusting carburetor or tuning motor. 11 P 42066 Shpg. wt., 10 oz.
(C) PISTOL-GRIP TIMING LIGHT

Gives brilliant light for precision setting of ignition timing. Neon light for 6,12 , and 24 volt system. Shpg. wt., 12 oz .
if P43528

## (D) REMOTE STARTER SWITCH

Permits opsration of starter and turning over of engine from outside of car when adjusting points, values, testling compression, etc. Shpg. wt., 6 oz.
11 P17027
Net 2.49

# DELUXE SOLID-STATE ENGINE ANALYZER 

For All Electrical Systems 6,12,24 or 32 Volt - Regular, Transistorized of Magneto Ignition, 8, 6 or 4 Cylinder 4 or 2 Cycle Engines.

Only

# $49^{95}$ 

- Large 6" D'Arsonval Double Jeweled Meter - Tunes Up Electronically, Any Car Made
No Money Down*


## Solid-State Engine Analyzer Will Test:

Dwell or Cam Angle<br>Measure Engine Speed<br>Adjust Carburetors<br>Adjust Points<br>Check Condensers<br>Check Coil Resistance<br>Measure Carbon Suppressor Spark Plug Cable Check Batteries<br>Test Alternators, Generators \& Regulators Check Shorts \& Opens In Wiring<br>Checks All Lamps, Fuses, Relays \& Switches<br>Check Alternator Diodes



Performs "FIFTEEN" authoritative tests under actual operating conditlons; Tests output voltages in three separate ranges: 0-3.2, 0-16, 0-32 VOC. Determines the condition 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 -cylinder, 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 -cylinder (low) $0-1,200$, (high) $0-6000$; 4 -cylinder (tow) 0-2400, (high) 0-12.000. Measures amps from -5 to +90 . Resistance scale from $0-100,000$ ohms. Operates on single "0" cell battery. Complete simple operating instructions. Detailed informatlon supplied by make and model. Rugged steel case finished in baked enamel. Rear storage compartment holds $51 / 2^{\prime}$ leads, clamps. plug jacks and connectors. Size: $12 \times 61 / 2 \times 6^{\circ \prime}$. Shpg. wt., $73 / 4 \mathrm{lbs}$ 11 P 24502
99 P 63661 Battery For Above
Net
.28


## Only

- Large 6" D'Arsonval Double Jeweled Meter - Tunes Up Electronically, Any Car Made

For diagnosis \& repalr of electrical systems \& carburetion in modern automatic engines. Analyzer will test: Dwelf or cam angle, \& Engine speed, Aids in adjusting carburetors, points, condensers, Ranges: Tach., Features; High and Low scates. 8 cyI., 0-1200 RPM, 0-4500 RPM. 6 cyl., $0-1600$ RPM, $0-6000$ RPM. 4 cyl., $0-2400$ RPM, $0-9000$ RPM. Dwell- 8 cyl., $0-45^{\circ}$. 6 cyl., $0.60^{\circ}, 4$ cyl., $0-90^{\circ}$. Analyzer will also check: coll resistance, batteries, shorts \& openings in wiring, all lamps, fuses, relays, switches and diodes, including alternator and protector diodes. Measures Carbon 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 . Ohms, 0 100,000 . Operates on a single (AA) cell. Shpg. wt., 6 bss. 11 P 24528 No Money Down*

Net 39.95 99 P 63703 Battery for Above

Net . 10

For All Electrical Systems 6, 12, 24 or 32 Volt -Regular, Transistorized of Magneto Ignition, 8, 6 or 4 Cylinder 4 or 2 Cycle Engines.

## SOLID-STATE ENGINE ANALYZER

## AUTOMATIC TACH-N-DWELL

## DUAL-RANGE TACH-DWELL POINTS TESTER


ax $x^{3} 6$
$29^{95}$ - Dual Meter Lets You Read Engine Speed and Dwell Angle Simultaneously


Now! In seconds detect problems in the primary ignition circuit that cause slow starting, rough idling, excessive gasoiine consumption, poor acceleration and sluggish high speed passing. Makes simultaneous tests of dwell and RPM; lets you perform protessional electronic tune-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) large $41 / 2^{\prime \prime}$ double jeweled D'arsonval meters with color-coded meter faces for easy, accurate readings- three tach ranges, plus three dwell ranges provide all the necessary panges for virtually every engine. Self-contained solid-state circuitry ellminates adjustment and burn-out. Complete with carrying handle, color-coded test leads. Housed in sturdy steel cabinet with baked enamel finish. Size: 127/4 81/4 $43 \mathrm{~A}^{\prime \prime}$.
11 P 24510 Shpg. wt., $63 / 4 \mathrm{Ibs}$.

# LAFAYETTE Automotive Test Equipment <br> <br> 61/2" DWELL <br> <br> 61/2" DWELL TACHOMETER 

 TACHOMETER}


## $28^{95}$

- Tunes up Electronically, Any Car Ever Made
- Three Dwell Scales
- Low And High Range Tachometer Scales
- Giant $61 / 2^{\prime \prime}$ Easy-to-Read Scale

Made in U.S.A.
A complete ready-to-use Dwell Meter and rachometer which will operate on any car ever made. Tests cam Dwell angle and engine RPM on 4,6 or 8 cylinder cars. 6 or 12 volt right on the engine. Glant $61 / 2^{\prime \prime}$ easy-to-read meter makes it simple for anyone to adjust points and carburetors to insure maximum gas economy and quiet engine running. RPM readings are also essential to properly service 45 degrees, 0.60 ismians. Three dwell angle scales are provided: 0 to 45 degrees, $0-60$ degrees, and 0 to 90 degrees. This instrument is sultable for dwell angle adjustment on all foreign and domestic cars. Dual range tachometer 0 to 1000 rpm for precise carburetor adjustments. 0 to 5000 rpm , suitable for making all other tests at high engine speeds. Complete with instruction manual. Shpg. wt., $31 / 2 \mathrm{lbs}$.
11 P 01013W

## .Net 28.95

## DELUXE AC OR DC—POWER TIMING LIGHTS—KIT OR WIRED

## DC POWER TIMING LIGHT DC WIRED 295

- Ultra-Brite Zenon Strobe Tube Chrome finished DC-power timing light. The ultimate in a mechanics light. Uiltrabrilliant blue white zenon strobe tube gives bright light for day or night use. Rugged case; designed for operator to reach inac. cessible timing marks. Simple replacement of zenon bulb. For 6 and 12 volt battery. On/Off Switch. Shpg. wt., $13 / 4 \mathrm{lbs}$.
11 P42405
Net 22.95
Same as above in kit form


## II P 42470 <br> Net 16.95

## KRRCHECK 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 surrounding IIght 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 oil resistant leads, Flex. Guard strain-relief bushing at base of handie, Operates on $6 \& 12$ volt batteries to service domestic and foreign cars, universal spark plug adapter. Tests: Engine timing/ Vacuum adavance/Mechanical advance/High tension circuits.
11 P 43502 Shpg. wt., $31 / 2 \mathrm{Jbs}$. Net 26.95

AC POWER TIMING LIGHT
AC WIRED
$12^{95}$

- Available in Wired or Kit Form

Deluxe 110 volt AC power timing light. Uses ultra-brilliant white zenon strobe fube. For day or night use. Plugs into any 110 volt AC line, insures maximum light regardless of condition of vehicles battery. Rugged black case with power cord and on, Off switch. Shpg. wt., 1 lbs.
11 P 42397
Net 12.95
Same as above in kit form
II P42488
Net 10.95

## TIMING LIGHT WITH REMOTE STARTER



Deluxe neon prefocusing light. Cranks engine from the outside-checks points, 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. $11 / 4 \mathrm{lbs}$.
11 P 42082
Net 7.50

# terado - C - D- TRIPP LTR Inverters 

TERADO SOLID-STATE AS DC.to-AC INVERTERS

- Transistorized
- 110 Volt AC Electricity AS
LOW AS
$40^{99}$ From Your 12 volt Battery DOWN*
Compact and convenient power inverters. Converts 12 VDC to 110 VAC 60 Hz . ideal for cars, trailers, boats, buses, mobile homes. For equipment not sensifive to frequency change. Complete with battery cables and copper-clad steel case.

| Stock No. | Mir. No. | Cont. | tts Interm. | Size | Shpg. wt. lbs. | Wet |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11P63013 | 50-170 | 150 | 175 | $10^{3 / 4} \times 6 \times 6$ | 101/2 | 49.93 |
| 11 P 63203 | 50-128 | 450 | 500 | $12^{1 / 2} \times 6 \times 6$ | 20 | 106.88 |

## TERADO "SENIOR" DC TO AC INVERTER

vibrator type inverter. Has automatic frequency control. Converts 12 volts DC to 110 volts, 60 cycles AC. Frequency regulation $\pm 1 / 2$ cycle. Filtered. Plugs into cigarette IIghter. with battery cables. Size $21 / 2 \times 21 / 2 \mathrm{x}$ $41 / 2^{\prime \prime}$. Output 40 W . constant. 50 intermittent. ${ }_{11}$ P 63062 Shpg. wt., $21 / 4$ los. Net 22.17


## TERADO "DYNAMO" DC TO AC INVERTER

Operate any small radio in any 12 volt car. truck, boat or trailer. No instaliation-just plug into cigar lighter. Operate electric shaver or any electric appllance up to 25 watts. With generator condenser and ixnition noise suppressor. Slze: $2 \times 2 \times 33 / 4{ }^{\prime \prime}$. 11 P 63179 Shpg. wt., 2 lbs.....Net 18.11


## TRAV-ELECTRIC CONVERTERS

Operates all electric shavers. Available for 12 VOC or 220 VAC. Polyethylene non-breakable case. Size: $35 / 9 \mathrm{~W} \times 21 / 4 \mathrm{D} \times 41 / 4^{n} \mathrm{H}$. $15-20$ watts. 12 VOC Model-Plugs into car cigarette lighter. Converts 12 VDC to 110 VAC. Shpg, wt., 2 libs. 11 P 63047

Net 11.85
220 VAC Model-Converts 220 VAC to 110 VAC. ldeal for forelgn travel. Shpg. wt., 2 lbs. 11 P 63294

## TERADO SOLID-STATE INVERTER-CHARGER

- It's A Battery Charger - It's An Inverter

Mark I, portable, transistorized 450 to 500 watt inverter) charger. Converts 12 volts DC Designed for use in cars, mobile homes, and boats to operate radios, recorders, televisions. lights. electric tools, and test equipment from any 12 V ., DC power source. Also serves as a battery charger with charging rate of 20 . and 10 amps plus low trickle charge. Complete with amp meter, 12 V. . DC input poles, front panel mounted fuses. and 117 V .. AC standard outlet. $121 / 2 \times 6 \times 6^{\prime \prime}$. Shpg. wt., $201 / 2 \mathrm{lbs}$.
11 P63260W No Money Down*

## CORNELL DUBILIER DC TO AC RNVERTER

## 4295 No Money

- Delivers 125 Watts Continuously
- Features "Hash Free" Filtering

For Interference-Free Reception
ideal for cars, boats. house trailers, campers, etc., as a source of AC power independent of power lines. Converts 12 volts $O C$ to $110-120$ volts $A C$ at 60 Hz . Designed primarily for televisign receivers, tape recorders, phonographs and other frequency sensitive devices. Specitications: Input: 12 volts @ 12 amperes (full load); output: 120 watts continuous, 140 watts intermittent; R Fifterint: both input and output; Size. $83 / 9 L \times 7 / 2 \mathrm{~W} 33 / 4 \mathrm{HF}$. Shpg. WL. $151 / 4 \mathrm{lbs}$. 11 P 18258 w

Net 12.95
Model MK-3544-4 Mounting kit-Heavy flanged plate for bulkhead or floor mounting. Includes hardware and instructlons.
11 P 18264 Shpg. wt., $21 / 4$ lbs,

# 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 rectifiers, isolated and fully impregnated transformer, and an auto-reset circuit breaker; heavy duty $8^{\prime}$ input cord, and heavy duty $6^{\prime}$ cables with soldered clamps for full output; acid resistant front panel and baked enamel back and sides. All internal components are plated for protection against corrosion. UL Ilsted. Size: $8 \mathrm{H} \times 53 \mathrm{aW} \times 6^{\prime \prime} \mathrm{D}$. 11 P 01062 Shpg. Wt. $113 / 4 \mathrm{lbs}$

Net 29.95


## SCHAUER 10-AMP BATTERY CHARGER

 $19^{95}$- For 6 \& 12 Volts
- With Meter
- Automatic Circuit Breaker

Model C-6612. Heavy-duty 10 -amp charger for 6 or 12 volt battery, which will bring the battery to full charge in 2 to 6 hours or less. Equipped with an automatic circuit breaker for overload protection. Selector switch for changing voltage. Accurate ammeter shows rate of charge entering battery. Rugged steel case with gold colored finish and two-tone brushed aluminum. Compiete with cables. 117 VAC, 60 Hz . U.L. listed Shpg. wt.. 113 k lbs .

Net 19.95
SCHAUER
6-AMP BATTERY CHARGER

- Automatic Circuit Breaker
- For $6 \& 12$ volts
- Built-in Meter
$14^{95}$
Model B-6612 charges both 6 and 12 volt batteries at a $6 \cdot a \mathrm{mp}$ rate. Will recharge the average battery in from 3 to 7 hours. Charg. er is equipped with an automatic circuit breaker for overload protection. Selector switch changes operation from one voltage to another, and an accurate numeral dial ammeter shows the exact rate of charge. Case is of rugged steel. Complete with battery cabies 117 VAC. 60 Hz . UL Listed. $93 \times 6 \times 612^{\prime \prime}$.
11 P 55183 Shpg. wt., 9 lbs.
Net 14.95



## SURE-FIRE 3-AMP BATTERY CHARGER

## $10^{95}$

- For Both 6 and 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 condiltion. Reset circuit 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: $6 \times 41 / 2 \times 53 / 4^{\prime \prime}$. for operation from $105-125$ Volt. 60 Hz AC . UL listed. Shpg. Wt., 5 lbs. 11 P 76049

Net 10.95


SURE-FIRE booster charger

- 100-Amp. Battery Boost

Power 6, 8 or 12-Volts,

- 10 Amp. Battery Charger
- Trickle Charger

As Low As

## 45 <br> 95 No Money Down*

Model WS-100.10. Get that extra "punch" needed to get your batfery started in cold weather Provides 100 amp . booster power, 10 amp. and trickle charging for 6,8 or 12 -volf batteries. Ammeter indicates changing current. Fea tures fu!l wave rectifiers, heavy-duty transformers and an automatic reset circuit breaker. Push-button control panel with reverse polarity ind cator 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., $22^{1 / 4} \mathrm{lbs}$.

11 P 76098
Net 45.95
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. Size: $12 \times 9 \times 9^{\prime \prime}$. Shpg, wt., $321 / 4 \mathrm{lbs}$
11 P 76106 W No Money Down*
Net 66.95


6-AMP SOLID-STATE AUTOMATIC BATTERY CHARGER $19^{95}$

- Automatically Turns On and Off - Automatic Circuit Breaker Model WS-20. Solid-state 6 Amp battery charger that automatically shuts-off when the battery is fully charged! If the load on the battery causes the charge level to fall, the charger turns itself on again and supplies the exact rate of charge needed to return the battery to fult strength. Features automatic circuit breaker for extra protection and an accurate numeral dial ammeter. For 6 or 12 volt batteries, With two $8^{\prime}$ charging cables and $6^{\prime}$ power cord. Vented


HY-CHARGE ${ }^{\text {2 }}$-IN-1 BATTERY CHARGER


- For 6 \& 12 Volts
- Automatic Circuit Breakers

The Hy-charge battery charger keeps all 6 and 12 volt batteries fully charged for peak performance even at $40^{\circ}$ below freezing. Full 1 smp. "safe" charge rate prevents flaking 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 taoers off. With handle and wall bracket. Size: $5 \times 3 \mathrm{y} 2 \times 3^{\prime \prime \prime}$. Snpg. wt., 3 lbs .
11 P 76023
Net 6.95


## 列 $86^{66}$

Self-Contained Power Supply with Battery and Automatic Recharger

- Delivers 117 Volts 60 Hz A.C. At 125 Watts Continuous - 3 to 4 hours of Portable T:V. Operation on One Charge
Model 50-160. Hundreds of uses: Operates TV's, powertools, barbecue motors, lights, 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 shows charge rate and the hours of anticipated output. Size: $12 \times 51 / 2 \times 8^{\prime \prime}$. Shpg. wt., $363 / 4 \mathrm{lbs}$.
11 P63161W No Money Down*


## PORTABLE POWER GENERATOR WITH PERMANENT MAGNET ALTERNATOR

## $239^{56}$

## No Money Down*

- Produces 115 Volts AC
- 3 H.P. Lauson Engine - 1250 Watt Continuous Duty

A compact, portable electric power plant for on-the spot electricity anytime, anywhere. Features perma nent magnet alternator that gives you more power and trouble-free operation - no brushes, armature windings, belts, slip rings or commutators. Dependable Lauson 3 H.P., 4 cycle engine gives easy-to start, long-life service hour after hour, $11 / 2 \mathrm{qt}$. capacity fuel-tank. Standard equipment includes: visual fuel gauge, visual oil level indicator, Duplex receptacle, rubber shock absorbing feet, recoil starter and carrying handle. Portable. Compact. 115 VAC.

| Steck No. | Continubus Duty | Shpg. wt. | Net |
| :---: | :---: | :---: | :---: |
| 13 P49026WX | 1250 Watts | 70 lbs. | 239.95 |

## SUBMERSIBLE POW-R-PAK PUMPS

- Corrosion Resistant
- Hermetically Sealed
- For Circulating And Dispensing Water
All-new Pow-R.Pak trouble free pumps for underwater use. Circulates and dispenses water and mild acid solutions for fountains, bever-
 age dispensers, aquariums, photo developing, air conditioning, etc. Permalubed. Corrosion resistant stalniess steel and plastic unit. Overload protectlon, threaded inlet and outlet. Outlet: E-200 has $1 / 4^{\prime \prime}$ std: plpe thread, E-400, 700 has 7a" std. pipe thread. Comes with 6 ft . cord. For 110 Voits, 60 Mz . AC. Average size: $2^{5 / 96} \times 4 \times 4^{\prime \prime}$.

| Stoct No. | Model | Gals. per Mr. ${ }^{\text {at }}$ |  |  |  | Amps | $\begin{aligned} & \text { hpg. wt } \\ & \text { Lhs. } \end{aligned}$ | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1 Ft . | 3 Ft . | 6 Pt | Hex. |  |  |  |
| 13P89048 | E-200 | 220 | 155 | 80 | 7 | . 40 | 3 | 11.95 |
| 13 P 89055 | E. 400 | 400 | 320 | 220 | 11. | . 91 | 4422 | 15.95 |
| 13 P 89063 | E-700 | 700 | 540 | 430 | 13. | 1.9 | $41 / 2$ | 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 or basement bailer. Has long llfe carbon ceramic seal, thermo-overload protection, and leaf strainer. Standard garden hose outtet. $3 / 4^{-1}$ std. plpe thread inlet. Ideal for many underwater applications, such as in pools, fountains, etc. Pumps gallons per hour: 1300 @ $2 \mathrm{ft.,1030}$ @ $5 \mathrm{ft} ., 810 @ 10 \mathrm{ft} .1600$ @ 15 ft . 300 @ 25 ft . Shut off @ $40 \mathrm{ft.4.5} \mathrm{amps}$ load. $43 / 4 \mathrm{H} \times 7=\mathrm{D}$. 110 V 60 cy . AC. With cord. Shpg. wt. $91 / 4 \mathrm{lbs}$
13 P 89030
Net 44.95


## MINIATURE PUMP AND MOTOR

- Raises Liquid up to 450

12 Feet

- High Capacity-1 $1 / 2$ Gallons per Minute
A motorized, miniature pump for the hobbyist and "Do-lt-Yourselfer." Pumps fiquids from container to contalner at the rate of up to $11 / 2$ gallons per minute and ralses liquids up to 12 feet. Ideal for foun tains, water house plants, aquariums, science projects, waterfalls, etc. Pumps water, chemicals, viscous liquids. includes spray and low pickup attachment. Operates on any 6 to 12 volt battery, wt., 402
13 P 19102
Net 4.50


## 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 lbs.
- Automatic Overload Relief-for Tools, Appliances, Boats - 12 V D.C. for Battery Charging - 1 H.P. Motor

$114^{35}$

Model 5001-1-Lightweight, rugged metal construction! Features a 1 hp, 2 cycle ohtsson 8 Rice air cooled engine with a high capacity magneto ignition, 6 pint. premixed ( 24 parts gas- 1 part oil) fuel capacity allows operation at full power ( $6,300 \mathrm{rpm}$ ) for $2 \frac{1}{2}$ hours. Also features built-in quietness with a larger "Hush Tone" spark arrester muffier. Dual voltage. direct drive Tiny Tiger generator produces up to 350 watts of $115 \dot{\mathrm{Y}}$., AC , and 12 amps of 12 V ., DC simultaneously for charging batteries, for starting cars, boats and trucks. Constant voltage within $110-120$ volts with an automatic overload rellef system. Light enough to carry anywhere ( 14 lbs. ) . .. small enough to carry in one hand $\left(81 / 2^{\prime \prime} \mathrm{H} \times 81 / 2^{\circ} \mathrm{W} \times 10^{1 / 4}{ }^{\prime \prime} \mathrm{L}\right)$, Shpg. wh. $164 / 2 \mathrm{lbs}$.
12 P 35522 No Money Down*
Net 114.95

## 12 VOLT DC SUBMERSIBLE PUMP

## Only <br> 

- 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 delivers up to 400 gal./hr. (direct discharge) or pumps to $11^{\prime}$ heights. Lifts water more than $6^{\circ}$ below when primed. Draws 1.5 amp . at 12 volts. Port Connec tions: Beige inlet plate and strainer, and $t_{2}{ }^{\prime \prime}$ female pipe threaded inlet plate. Outtet is $1 / \mathrm{m}^{\prime \prime}$ N.P.T. male and will accept /8" I.D. hose. Stainless steel shaft and high impact cycolac case. Size: $21,0 \times 24 / 8$ x $51 / 2^{\prime \prime}$.
13 P 89071 Shpg. wt., $11 / 4 \mathrm{lbs}$.
Net 13.95


## WATERFALL KIT

Enhancing waterfall of cascading water constantly recirculated by electric pump. Gallons per hour delivery: 180 at 1 ft.; 140 at 3 ft .; 100 at 5 ft .; shut off at 10 ft . Outlet Ks"; intet $1 / 2$ " pipe O.D. Load: .65 amps; 43
 watts. No concrete needed; of pump, 8-ft. plastic hose, complete with instructions. Kit consists of pump 7 ft . sealing poly, pump filter. Shpg. wi., $51 / 4$ lbs.
13 P 89022 .Net 17.95

## POWERFUL SELF-PRIMING PUMP

## WORKS OFF ANY

 ELECTRIC DRILL

- Easily Connects To Standard Garden Hose

Now you can pump water, fubricants, solutions, and other liquids up to 10 feet vertically or prime a maximum horizontal distance of 50 feet. Compact and economical seif priming pump handies up to 200 galions per hour with 2,000 RPM $1 / 4^{\prime \prime}$ drlil at temperatures from $40^{\circ}$ to $180^{\circ} \mathrm{F}$. Perfect for home. farm. or industry, to oump out basements, fill or empty tanks, or transfer chemical solutions. Lightweight, rugged phenolic plastic con. struction resists chemical corrosion. Fits electric drills like a "bit"' and takes ordinary garden hose. Shpg. wt., 10 oz.
13 P 33756
Net 4.95

# Lafayette Radio Electronics Corporation <br> Attn. Associate Store Dept. RL <br> 111 Jericho Turnpike <br> Syosset, L. I., N. Y. 11791 

## PLACE

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HERE

# LAFAYETTE RADIO ELECTRONICS 

111 JERICHO TURNPIKE SYOSSET, L.I., N.Y. 11791

EPT. 730
ARE YOU INTERESTEDIN OWNING
A
LAFAYETTEASSOCIATESTORE
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AND MAIL CARD TO-DAY

## TO OWN A LAFAYETTE ASSOCIATE STORE ALL YOU NEED IS

1. Basic knowledge of Retailing, Television or Electronics (Your Hobby?)
2. Financial Investment of $\$ 25,000$ to $\$ 50,000$

## WE WILL PROVIDE YOU WITH

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C. Advertising and Publicity Aids Including Catalogs and Flyers
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I am interested in owning a Lafayette Associate store. Without obligation on my part, please send me full information, FREE and postpaid.

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Address

City
State
Zip Code

# Sprayers for Handyman-Professional-Hobbyist 

5PHAYIT. 120 handoyman sprayer


3150- Convenient Self-Contained Sprayer

- Sprays Oils, Paints, Insecticides, Liquid Wax
- Designed for Home Owner or Hobbyist

This economy priced portable sprayer is one of the most convenient self-contained sprayers built. It combines portability with high performance, making it perfect for spraying fences, screens, furniture, insecticides, etc. It features an oil-less heavy duty diaphragm type compressor. A lightweight constant air How pressure-feed gun gives excellent results with all sprayable materials. Includes 8 ft . rubber air hose and 6 ' electric cord. for 117 V'AC. Shpg. wt., 12 lbs.
14 P84153W No Money Down*
Net 31.50

## HEAVY DUTY TYPE SPRAYER

39


- 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, versatile . . . 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 delfrin thread insert to prevent fouling and 8 ' air hose. Easy to operate, just plug in any 115 V . outlet. Develops maximum pressure of 40 psi . 7 tt. power cord. Shpg. wt., $131 / 4 \mathrm{lbs}$.
14 P 67539 No Money Down*
.Net 39.95


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 . 14 P 84096 Shpg. wt., 81/4 lbs.
3/4" Hi-Pile Roller for rough surfaces.
14 P 84104 Shpg. wt., 5 oz. .Net 23.95

36 " Pile Roller for smooth surfaces.
14 P 84112 Shpg. wt., 5 oz. .Net 3.79

## PORTABLE ELECTRIC SPRAYERS-COMPRESSORS

SHIPPED PREPAIO FROM FACTORY WITMIN CONTINENTAL UNITED STATES-ND C.O.D.
SEND FULL REMITTANCE OR USE LAFAYETTE'S EASY PAY PLAN
$1 / 2$ H.P. SINGLE CYLINDER-Displaces 3.2 CFM
All purpose $1 / 2$ H.P. portable electric sprayer for use in your home, garden, workshop or garage. Great for spraying paint, insecticides, moth proofing, and fumigating as well as painting. Cylinder has 21/4" bore $\times 13 / 4$ " stroke, aluminum head, bronze oil-lite bearings. Delivers 1.75 CFM at 40 PSI and 1.2 CFM at 100 PSI. Automatic pressure switch charges the 12 gallon reserve tank at 70 PSI and turns off at 100 PSI. Lightweight aluminum 1 quart pistol grip spray gun has adjustable spray controls and regulator with gauge. Other features include: safety valve, reserve gauge, shut-off, Fan type flywheel, 15' hose with tape chuck and $8^{\prime \prime}$ wheels for easy mobility. For $117^{\prime}$ VAC 60 Hz . Shpg. wt., 95 lbs .
14 P67505WXZ No Money Down* ...................................... 119.95
$3 / 4$ H.P. SINGLE CYLINDER-Displaces 3.6 CFM
Similar to above but with increased air delivery (2.4 CFM at 40 PSI. 1.7 CFM at 100 PSI) and 15 gallon reserve tank. Shpg. wt., 97 lbs . 14 P67513WXZ No Money Down* .................................... 149.95

## 1 H.P. TWO CYLINDER-Displaces 8.2 CFM

Similar to above except with large twin cylinder. Block with $23 / 4$ " bore $\times 2^{\prime \prime}$ stroke, needle roller bearings, Swedish steel valves for more air, (5.6 CFM at $40 \mathrm{PSI}, 4.7 \mathrm{CFM}$ at 100 PSI ), 15 gallon reserve tank for reduced air supply pulsation and bigger $10^{\prime \prime}$ wheels for greater mobllity over fawns as well as indoors. Reserve tank pressure adjusted to 80 PSI compressor restart. Shpg. wt., 165 lbs .
14 P67521wXZ No Money Down*
Net 199.95


All purpose spray-gun for auto touch-up and refinishing, outdoor and household furniture, shutters, walls, siding, fences, etc. For use with water-base paints, enamels, acrylics, lacquers, and vamishes as well as. spray insecticides for mothproofing. "Sprayall" comes in shatterproof polypropylene housing with unbreakable graduated 28 oz . jar plus genuine sapphire jeweled nozzle and 5 -position spray control lever for adjustment to any job. For 117 V AC. Shpg. wt., 2 los.
12 P 43518
Net 11.95

## Tools and Tool Boxes

## MECHANICS' FOUR TRAY CANTILEVER TOOL BOX



- Full Size Storage Compartment -PLUSFour EasyGlide 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: $17 \mathrm{ZL} \times 8 \mathrm{~W} \times 81 / 4^{\mathrm{N}} \mathrm{H}$. Shpg. wt., 16 lbs .
13 P56104W $\qquad$
Long lasting, electrically construction with full-length hinge. Perfect for the homeowner. mechanic, or handyman. Plated handle will -not break or pull out. Lift-out tray for smaller tools. Large storage area for bigger tools. $19 \mathrm{~L} \times 7 \mathrm{~W} \times 71 / 4^{\prime \prime} \mathrm{D}$. Shpg. Wt., 7 lbs.

$$
13 \text { P } 42500 \mathrm{~W} \text {....Net } 4.95
$$

## 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, efc. Pushbutton catch with hasp for lock. Full grip handle. Baked enamel in glossy finish. $131 / 2 \mathrm{~L} \times 61 / 2 \mathrm{~W} \times$ 5"D. Shpg. wt., 4 lbs.

## 14 P 86067

Net 2.95

## POW:O-MATIC STEELTAPE

Power push-button 12' yellow steel * Push Button measuring tape. Easy to read, red and black. Ft. and inch markings. Ko" and $1 / \mathrm{g}^{\prime \prime}$ graduations, with zip belt clip.
14 P 16056 Shpg. wt., 1 lt. Net 2.79


## 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 $4 \frac{1}{2} / 2^{\prime \prime}$ with 2 keys.
13 P 75054 Shpg. wt., 1 lb.Net 2.95


## BADGER HOBBY \& TOUCH-UP AIR BRUSH KIT

Only 795

- Complete with Air Brush, Vinyl Hose, Air Valve. Mixing Jar, Thinner, 4


## Jars Paint, and Instructions


ne of the handiest tools for the handyman, craftsman, hobbyist, and homemaker. For professional retinishing or invisible touch-up on appliances, furniture, boats, cars, etc. Easy to use, air brush features high Impact Oelrin body, adjustable paint tip for tine 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 P 45537 Shpg. wt., 3 lbs
Net 7.95

## REPLACEMENT POWER PACK

13 P 45529 Shpg. wt., $11 / 2$ Ibs
Net 1.69

## HEAVY DUTY MACHINIST'S CHESTS

## $42^{35}$

- 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 for full extension of each drawer. Removable front panel locks when cover is closed and stores below drawers in a fitted compartment when open. Overall size: $81 / 2 \times 17 \frac{1}{2} \times 20^{\prime \prime}$. Tilt in top $81 / 2 \times 4 \times 20^{\prime \prime}$. 6 drawers $71 / 2 \times 1 \times 85 / 8^{\prime \prime}$. Others $71 / 2 \times 2 \times 85 / 8^{\prime \prime}, 71 / 2 \times 11 / 2 x$ $181 / 4^{\prime \prime} .71 / 2 \times 23 / 4 \times 181 / 4^{\prime \prime}, 71 / 2 \times 3 \times 181 / 4^{\prime \prime}$.
13 P 19540 W No Money Down *. Shpg. wt., 30 lbs $\qquad$ Net 42.95


## 3 DRAWER TOOL CHEST

## ony $16^{95}$

An all purpose ruggediy constructed 3 drawer carrying type chest. Drawers have full suspension slides. Drawers may be locked in place even if cover is closed. Features electrically welded heavy gauge steel and baked enam. el silicone treated finish. Dimensions: Box-8y/2Dx101/4H $\times 20^{\prime \prime}$ long: 3 drawers- $71 / 20 \times 11 / 2 \mathrm{H} \times 181 / 4^{\prime \prime} \mathrm{L}$ 13 P 19508W Shpg. wt. 18 lbs

## 11 PIECE COMBINATION WRENCH SET

## 11 <br> 50

Full Professional Size

- Handy Vinyl Roll-Up Kit


11 Piece Combination Box and Open End Wrench Kit. Orop forged alloy steel with bright chrome plated finish. Sizes: $3 / \mathbf{g}^{\prime \prime}$, $3 / 4^{\prime \prime}$, $1 / 2^{\prime \prime}$, $K_{0}^{\prime \prime}, 5 / 6^{\prime \prime}, 11 / 0^{\prime \prime}, 3 / 4^{\prime \prime},{ }^{1 K} K_{0}^{\prime \prime}, 7 / \theta^{\prime \prime}$, $1 / / 2^{\prime \prime}$, and $1^{\prime \prime}$. Length of wrenches $6^{\prime \prime}$ to $13^{\prime \prime \prime}$ long. Imported. Shpg. wt., $5^{1 / 2}$ lbs.
13 P 56138
Net 11.50
11 PIECE METRIC COMBINATION WRENCH SET
Same quality as above. Sizes: $\mathbf{7 - 1 5}, 17$ and 19 mm . Length of wrenches 4" to 93/4" long.
13 P 56278
Net 9.95

## ADJUSTABLE END WRENCHES

as low as
189


Adusts Jaws with flick of your thumb . . overslzed knuri soeeds 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 No. | Size | Max, Jaw Open. | Shpg. Wt. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 13 P 55668 | $6^{\prime \prime}$ | $3 / 4{ }^{\prime \prime}$ | 8 dz | 1.89 |
| 13 P 55676 | $8^{\prime \prime}$ | 1" | 11 oz | 2.39 |
| 13 P 55684 | 10" | $14 /{ }^{\prime \prime}$ | 1 lb . | 3.19 |
| 13 P 55692 | $12^{\prime \prime}$ | $13 / 8^{\prime \prime}$ | $13 / 4 \mathrm{lbs}$. | 3.95 |

# Work Benches $H$ ste sorace sheves 

## STEEL STORAGE SHELVES



- Unlimited Arrangements For All Storage Needs
Here's the bright, modern look in steel storage shelving ideat for offices, garages, stores - anyplace where both strength and beauty dictate your storage needs. Shelf clip is an easier and guick. er method of shelf attachment. Split posis permit alternate arrangements of a single unit and an unlimited number of multple unit arrangements to meet every storage and space requirement. Tex. tured silver shelf finish resists flaking, peelling, rusting: grey posts.
4.shelf Unit: $60 \mathrm{H}=30 \mathrm{~W}$ ¥ $12^{\prime \prime} \mathrm{D}$.

Shpt. wt., 14 lbs.
13P18567W
Net 6.95
5-shelf Unit: 72H \& 36W x $12^{\prime \prime} \mathrm{D}$.
Shpg. wt., 21 lbs
13 P 18575 W
5-5helf Unit: $\mathbf{7 2 H} \times 36 \mathrm{~W} \times \mathbf{1 8}^{\prime \prime} \mathrm{D}$
Shipg. wt., 36 lbs.
13 P 18591 W
Net 11.95
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 devlces you'll ever ownll No more "huffing and pulfing" the next time you wish to inflate air mattresses, pools, toys, blow-up furniture, etc. Deflating is just as easy: your compressor will exhaust all the air mak. ing the folding and storage of your inflatable items a cinch! With nozzle and $10^{\circ}$ cord. 2.7 pSI air pressure. 12 V DC. Imported. Shpg. wt., $11 / 2$ lbs.
13 P 52004


## LAFAYETTE UTILITY PUMP

## $5^{95}$

- Pumps $11 / 3$ Galions Per Minute

Transiers non-corrosive liquids easily from container to container, Useful for emptying clogged sinks. washers, tubs or use as a bilge pump for small boats, emptying kiddie pools, fish tanks, or vacuum cleaning aquariums. Pump housing, tubes, and impeller made of rust. proof plastic for trouble free performance. Pump has 131/2" draw tube, with $211 / 2^{\prime \prime}$ flext. ble plastic hose. Not for use with Gasoline, Ether, Benzinc, Thinner, and Corrosive liquids such as acid or athali. Operates on 2 "D" Cells, not included. Imported Shpg. wt., 1 lb .
99 P 80012
ve (2 rea.)
Cell for Ab
.....Net 5.95 99 P 63661

Net ea. 28

Net 6.95

## POWER MAGNET

Made of Alcomaxa material with 12 times the magnetic energy of tungsten steel. Designed for efficlent perform. ance/weight ratiowill lift up to 50 times its own weight. Horseshoe shape with plated keeper. Ideal for such applications as magnetic clutch work holding, etc. Size $11 / 4 \mathrm{H} \times 11 / 4 \mathrm{D} \times 13 / 4^{\prime \prime} \mathrm{W}$. Distance between poles is $7 / 8^{*}$. Imported from England.
14 P 33028 Shpg. wt., 3/4 Ib. ....Net 3.29
A special "Alni- BUTTON MAGNETS co" button carefully designed to produce a highly efficlent mag.
nętic field. Attachable to any non-ferrous material by non-magnetic screws. Ideal for use most everywhere as magnetic fasteners. Supplied with plated keeper. Imported from England. Avg. shpg. wt., $4.0 z$.

| Stock No. | Height | Dia. | Mtg. Hole Dia. | NE Ea. |
| :---: | :---: | :---: | :---: | :---: |
| 14 P 33093 | 36" | $1 / 2^{\prime \prime}$ | 1/4" | 69 |
| 14 P 33101 | $1 / 2^{\prime \prime}$ | 3/4 | 3 | . 99 |
| 14 P 33119 | 5/8" | $1 "$ | \% | 1.49 |



Handi-Bender forms wire sizes up to $\mathrm{J} / \mathrm{a}^{\prime \prime}$ dia. Steel slots and steel bending pins make basic bends such as eyes, angles, curves, circles, and for straightening wire. Makes dozens of usefut and decorative articles. Complete instructions included.
14 P 70103 Shpg. wt., $1 / 2$ Ib.


## (A) POP RIVETOOL KIT

Rivet metal to metal, plastic to wood, fabric to fabric. Easy to operate, just insert rivet into tool, place in pre-drilted hole and squeeze-you have a strong rivet jolnt. Ideal for hobbyists, electronics, household and auto repairs. Kit includes riveter, and supply of rivets of various sizes. Uses $1 / s^{\prime \prime}$ rivets. Shpg. wt., $11 / 2 \mathrm{lbs}$.
13 P 54018 $\qquad$ Net 2.95
(B) DUAL RIVETOOL KIT

Contains the new "Pop" rivetool with two interchangeable nosepleces to set $1 / /^{\prime \prime}$ steel and aluminum and Ko" aleminum "Pop" rivets. tncludes $1 / \mathrm{an}^{\prime \prime}$ and Ko" rivets in as sorted lengths, and backup plates. Shpg. wt., $11 / 2$ lbs. 13 P 54083

Net 4.95
RIVETS FOR ABOVE KITS
1/6" Rivets Steel Av. Shpg. wt., 4 or.

| Stock Mo. | Qty. | Work Thickness | Net |
| :---: | :---: | :---: | :---: |
| 13 P 54026 | 25 | 1/6" | . 49 |
| 13 P 54034 | 20 | 1/4" | . 49 |
| 13 P 54042 | 15 | $1{ }^{\prime \prime}$ | . 49 |
| \%u" Rivels Aluminum |  |  |  |
| Stock No. | Qty. | Work Thickness | Met |
| 13 P54091 | 15 | 1/4" | . 49 |
| 13 P 54109 | 12 | $1 / 2^{\prime \prime}$ | . 49 |
| 13 P 54117 | 10 | 5 \% ${ }^{\text {\% }}$ | . 48 |
| Back-Up (Reinforcing) Plates |  |  |  |
| Stock No. | aty. | Rivet Size | Net |
| 13 P 54059 | 40 | 2/6" | . 49 |
| 13 P 54125 | 30 | K0" | . 49 |

# High Quality Drop-Forged Steel Socket Sets 

17 PIECE $1 / 4^{\prime \prime}$ DRIVE


- Chrome plated

21 PIECE $3 / 8^{\prime \prime}$ DRIVE


- Chrome plated Precision quality socket set. Contains: 12 Pt .


 $6^{\prime \prime}$ 'crossbar, universal ioint, 8 " reversible ratchet. Packed in heavy gauge storage box. Imported. Shpg. wt., 7 lbs.
13 P 55650
Net 15.95

Heavy chrome plated socket set. Contains
 $3 /$ ot $^{\prime \prime}, 1 / 2^{\prime \prime} .8 \mathrm{Pt}$. socket sizes: $1 / /^{\prime \prime}{ }^{\prime \prime}$ Ms $^{\prime \prime}$ Pius $2_{41 / 2^{\prime \prime}}$ crossbar, $5^{\prime \prime} 5^{\prime \prime 2} 2^{\prime \prime}$ reversible ratchet. Each set packed in' heavy gauge storage box. Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$.
13.P 55643

21 PIECE $1 / 4^{\prime \prime}$ AND $3 / 8^{\prime \prime}$


- Chrome plated


 \%", 1 ine Plus: $3 \%$ drive. 8 reversible ratchet, spliner handie, $3^{\text {" }}$ extension, $6^{\prime \prime}$ extenslon,
 spark plug socket (with neoprene "insert). adaptor; $3^{\prime \prime}$ to $1 / /^{\text {" d drive. In heavy, gauge }}$ storage box. Imported. Shpg. wt. $33 / 4$ los. Storage box. Imported. Shipg. wt. Net fo.95

Handy socket set for foreign car and motorcycle mechanic. Includes 7 mm . socket sizes -9, 10, 11, 12, 14, 17 and $19 \mathrm{~mm} ; 3^{\prime \prime}$ extension; $7 \frac{1}{2}$ " reversible ratchet ${ }^{2}$ and " $Y_{0}$ " spark plug socket (with neoprene insert). In heavy gauge storage box with molded inlay. Imported. Shpg. wt., 3 lbs. 13 P 56054

Net 8.95

19 PIECE $1 / 2^{\prime \prime}$ DRIVE


## - Chrome plated <br> $22^{75}$

Quallty steel precision socket set. Contains:
 $2 / 4^{\prime \prime}, i / 6^{\prime \prime}, 11 / 6^{\prime \prime}, 1^{\prime \prime}, 11_{10^{\prime \prime}}, 11^{4}$ and $1 / 10^{\prime \prime}$ spark plug socket with' neoprene insert. Plus: $5^{\prime \prime}$ and $10^{\prime \prime}$ extension, $15^{\prime \prime}$ flex handie, sliding T-bar, 17 " speeder handle, $10^{\prime \prime}$ reversible ratchet. Packed in heavy gauge box. 1mported. Shpg. wt., $12 \frac{1}{4}$ lbs.
13 P 55635
Net 22.75

## PROFESSIONAL TORQUE WRENCHES

## As Low As <br> 

Chrome plated $1 / 2{ }^{2}$ drive square with accurate pointer indicafing torgue applied in either direction in $\mathrm{ft/lbs}$. Direct reading scale caltbrated 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., $23 / 4$ lbs.
13 P 01415
Net 12.50
$0.150 \mathrm{ft} / \mathrm{b}$. unit for larger displacemant engines, trucks, etc 13 P 01423 Shpg. wt., $21 / 2$ tbs.

Net 14.70


Perfect for the do-it-yourself mechanic. No air or electrlc power needed. Just attach driver bit, and pound with hammer. Hammer shock and torque tightens or loosens screw or nut quickly. Use for automobiles, snowmobiles, boat motors, motorcycles, etc., on screws or nuts subject to rust, corrosion, and vibration. Comes complete or muls ", mex adapter " slotted screwdrlver \#2 and \#3 phillip with $5 / 16$ " hex adapter, 816 " slotted screwdriver. $\# 2$ and $\# 3$ philips bit, and metal case. Less $7 /{ }^{\text {" }}$ sockets. Shpg. wt., $43 / 4 \mathrm{lbs}$.
14 P 12501

## 3 PIECE $3 / \mathbf{g}^{\prime \prime}$ DRIVE IGNITION Et , TUNE-UP KIT <br> 

Includes $10^{\prime \prime}$ reversible rubber grip ratchet handle with flexible head, $3^{\prime \prime}$ extension, and $11 /{ }^{*}$ " spark plug socket with neoprene insert. All parts of chrome-plated drop-forged steel, Shpg, wt. $11 / 2 \mathrm{lbs}$. 13 P 56260

Net 5.95 5/s" Spark Plug Socket. With neoprene lnsert. Shpg. wt., $3 / 4 \mathrm{lb}$. 13 P 56237

Net 1.09


5 -Piece Open-End Wrench set, Made of fine drop forged alloy steel. Both openings and body of wrench have a mlrror finish. Sizes: So" $\times 11 / 2^{\prime \prime}, 3 / 8^{\prime \prime} \times K_{0} ", 8 / 2^{\prime \prime} \times K_{0}^{\prime \prime}, 1 / 2^{\prime \prime} \times 11 / 0^{\prime \prime}, 5 / 8^{\prime \prime} \times 3 / 4^{\prime \prime}$, Complete with clip. Shpg. wt., $11 / 4 \mathrm{lbs}$.

Net 2.69
13 P 55866 Fig. A
5-Plece open-End Metric Wrench Set. Same quality as above. Sizes 8 mm thru 17 mm . Shpg. wt., $11 / 4 \mathrm{lbs}$.
13 P 56146 Fig. A wrench. Same quality as above. Ends offset. Size 3 "o", $\mathrm{Ko}_{0}{ }^{\prime \prime}, 1 / \mathbf{m}^{\prime \prime}$, $X_{4}{ }^{\prime \prime}$ and $5 /{ }^{\prime \prime}$ " "14" and $3 / 4$ ". Shpg. wt., 1 lb .
13 P 55344 Fig. B

# SELECTED TOOLS for The Hobbyist 



Here's a practical set of 6 Individual small tool sets each with chuck-type handles for the sportsman, hobbyist, do-it-yourselfer, TV, and hi-fi enthuslast. SC-5 Tiny Screw Driver i Awl Set (Sizes: $.055^{\prime \prime}, .070^{\prime \prime}, .080^{\prime \prime}, .100^{\prime \prime}$, Awl); PA.5 Tiay Phltips Driver \& Allen Type Wrench set (Drivers: \#0, \#1; Wrenches: \#4, \#6, \#8); \$W-5 Tiny Socket Set (Hex Sizes: $5 / 64^{\prime \prime}, 3 / 32^{\prime \prime}, 7 / 64^{-\prime}, 1 / 8^{\prime \prime}, 5 / 32^{\prime \prime}$ ); OE-5 Tiny Offset Open End Wrench Set (Sizes: $5 / 64^{\prime \prime}, 3 / 32^{i}, 7 / 64^{\prime \prime}$, $1 / 8^{\prime \prime} .5 / 32^{\prime \prime} 3$; TS-5 Tiny Tap Set (Sizes: $0-80,1-72,2.56,3.48,4.40$ ); \#70 Tiny Tap Drill Set (Sizes: $3 / 64-$, $\$ 53, \$ 50, \$ 47$, $\# 43$ ). 14 P 27095 Shpg. wt., 3/4 lb.

Net 24.95
Moviel SC-y Screwdriver and hwi Set (oniy)
14 P 27012 Shpg. Wt., 4 oz.
Net 2.25


ELECTRIC GLUE GUN


- Automatic Feed Trigger - Finger Tip Control Thermostat

Features exclusive automatic feed trigger and finger tip thermostat control, handy "or-off" switch plus contoured handle, You get 60 second bonding for wood, tile, leather, fabrics, metals, masonry; or cauiking: Thermostat control has three heat ranges for "Idling," "normal operation" and "extra flow." "Open/Close" nozzle control valve wrench included. Rated 70 watts at 120 V ., AC/DC. UL listed. Size: $63 / 4 \times 41 / 2^{\prime \prime}$. Made of black heat-resistant phenolics. 13 P 58217 Shpg, wt., $11 / 4 \mathrm{lbs}$.

Net 7.50 Pkg. of 8 Hot Melt Glue Sticks.
13 P 58225 Shpg. wt., 4 oz.
Net .49
Pkg. of 8 Hot Melt Caulk.
13 P 58233 Shpg
Net .49

## SELF-ADJUSTING <br> SOCKET WRENCH

- Adjusts Automatically from 1/4 to $7 / 16^{\prime \prime}$ Now one fool replaces many socket wrenches! Simply press this wrench on any bolt or nut from $1 / 4^{\prime \prime}$ to $\mathrm{K}^{\prime \prime \prime}$ in size and it automatically selects the right socket to fit, no other adjustments needed. High tensile strength sockets minimize slippage, provide high torque. Accommodates bolt extensions up to $11 / 4^{\prime \prime}$ long. Chrome plated steel housing, insulated handie. Length $6^{\prime \prime}$. Shpg. wt., $1 / 2$ ib.
14 P 22500
Net 2.95


## 6 PIECE HOLLOW SHAFT NUT DRIVER SET



- Heavy-Duty Plastic Handle - Made in U.S.A.

Heavy duty nut drivers with plastic handle. Hollow blade permits tightening of nut over long screws ...slim-line styling reaches anywhere. Blade features rust proof finlsh. Sizes: $3 / 16,1 / 4,5 / 16,11 / 32,3 / 8$ and $7 / 16^{\prime \prime}$. Each nut driver is $51 / 2^{\prime \prime}$ long. Made in U.S.A. Shpg. wt., 1 tb.
13 P 55833
Net 2.69


Nine-piece mutdriver set has prectsionground, hardened and tempered rust-proof finish blades, with color-coded handles. Hex openings: Biack-1/8", clear-3/16" blue-7/32", amber-1/4", orange-9/32", yel' low-5/16" green-11/32", red-3/8". Ore interchangeable large handle.
13 P 56195 Shpg. wt., 3/4 Ib. .... Net 2.69

## 6-PC. PRECISION SCREWDRIVER SET



- Hardened, Tempered, Rustproof Blades Perfect for the hobbyist, jewelry and electronic trades. This precision 6 piece screwdriver set has sizes from \#1 to \#6, width of blades $0.8-3.8 \mathrm{MM}$. All have knurled handles with swivel heads. Chrome plated brass handles with diameter of $3.5-8.0 \mathrm{MM}$. Blades are hardened, tempered and pustproof for rugged use. Complete with handy plastic indexed case with hinged cover. imported.
13 P 56039 Shpg. wt., $3 / 4 \mathrm{lb} . . .$. Net 2.49

- Handy Form Fitted Case Nine-plece screw driver set with color coded plastic handles and hardened, tempered rust-proof finish blades. Includes: Slotted: (green-5/16", black-5/32" red$1 / 8^{\prime \prime}$, orange- $3 / 16^{\prime \prime}$, yellow-1/4") phillips: (blue-\#0, orange-\#1, yellow-\#2). One interchangeable large handle.
13 P 56179 Shpg. wt., 1 lbs. Net 2.55


## 13 PC. INTERCHANGEABLE SCREWDRIVER \& NUTDRIVER SET <br>  495 <br> - Precision Ground Drop-Forged Steel <br> - Convenient Plastic Case

Set features one jumbo grip plastic handle and the following hardened, tempered, rustproof interchangeable blades: 2 slotted screwdriver blades-3/16", 1/4"; 2 Phillips screwdriver blades- $\# 1, \dot{\#} ; 7$ nutdrivers screwdiver olades- $3 / 16^{\prime \prime}, 7 / 32^{\prime \prime}, 1 / 4^{\prime \prime}, 9 ; 92^{\prime \prime}, 5 / 16^{\prime \prime}$,
sizes: $11 / 32^{\prime \prime}{ }^{\prime \prime} 3 / 8^{\prime \prime}$ Hex openings. $11 / 4^{\prime \prime}$ hole depth. One $4^{\prime \prime}$ extension blade. Compact, sturdy case.
13 P 56187 Shpg. wt., $13 / 4$ lbs. Net 4.95

## WELLER AUTOMATIC GLUE GUN KIT



The automatic electric glue and caulk gun features rapid heat up, indicator and work light, automatic glue feed, drip proof with automatic 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., $21 / 2 \mathrm{lbs}$. 13 P 39605

Net 9.95 Pkg. of 20 Glue Sticks. Shpg. Wet. 6.92
13 oz
39613 Pkg, of 20 Caulk Sticks. Shpg. wt. 6 oz.

## TOOL-MATE

Net 1.20


The perfect portable tooi organizer for the handyman or hobbyist . . . a workshop at your fingertips! Yool-mate keeps hand tools and 5 mall parts handy and organized. 39 different 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: $1142 \mathrm{H} \times 14 \mathrm{~L} \times 7^{\circ} \mathrm{W}$. Shpg. wt., 3 lbs.
13 P 76243 W
Net 3.95

# Professional Screwdrivers-Nutdrivers 


(A) SERVICE MASTER TOOL KIT

- Versatile - 23 Piece Set - Quick-Change Tools
- Durable, Roll-Up Vinyl Canvas Case

Wodel 99sM-Vaiuable wit has: pliers-6" Jong nose and $5^{\prime \prime}$ diagonal; $6^{\prime \prime}$ adjustable wrench; 9 regular nutdrivers $3 / 16^{\prime \prime}$ through $1 / 2^{\prime \prime}$; 3 stubby nutdrivers, $1 / 4^{\prime \prime}, 5 / 16^{\prime \prime}$ and $3 / 8^{\prime \prime}$; Phlllips screwdriver; 2 slotted screwdrivers, $3 / 16^{\prime \prime}$ and $1 / 4^{\prime \prime}$; 2 reamers; extension. Shpg. wt., $31 / 4$ lbs.
13 P 46436
Net 29.03

## (B) "TRAY BIEN" NUT DRIVER SET

- Solid Shaft 7 Color Coded Nut Drivers
- Carrying Case for Bench Caddy or Wall Mounting

Model 127TB molded plastic bench tray has fold away stand. Holds tools securely yet permits easy removal. Hex slzes $3 / 16^{\prime \prime}, 7 / 32^{\prime \prime}$, $1 / 4^{\prime \prime}, 9 / 32^{\prime \prime}, 5 / 16^{\prime \prime} .11 / 32^{\prime \prime}, 3 / 8^{\prime \prime}$. Shpg. wt., $13 / 4$ lbs. 13 P 46469
(B)


## 4535

 $4+1$$1+1$

## (C) NUT DRIVER SCREWDRIVER SET

- 14 Piece Nut and Screwdriver Set
- Durable Plastic Roll Kit

Model 9gpr-Thirteen interchangeable nut drivers and screwdrivers. Nine nutdrivers, $3 / 16,7 / 32,1 / 4,9 / 32,5 / 16,11 / 32,3 / 8,7 / 16$, $1 / 2^{\prime \prime}$. Slotted screwdriver $3 / 16^{\prime \prime}$ and $1 / 4^{\prime \prime}$. Phillips screwarivers (\#1 and \#2). Handle. Roll up kit. Shpg. wt., $13 / 4 \mathrm{lbs}$. 13 P 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 147rB contains 7 hollow shaft color coded nut drivers. (Hex sizes $1 / 4^{\prime \prime}, 9 / 32^{\prime \prime}, 5 / 16^{\prime \prime}, 11 / 32^{\prime \prime}, 3 / 8^{\prime \prime}, 7 / 16^{\prime \prime}, 1 / 2^{\prime \prime}$.) Housed in attractive "snap lock" case for secure holding and easy removal. 13 P 46477 Shpg. wt., 2 lbs.

Net 8.94

## COMPACT DOUBLE DUTY TOOL SETS

(E) PS-120 COMPACT NUTORIVER SET- 10 nutdrivers, $34 / 2^{\prime \prime}$ pocketslze. Piggy-back "torque amplifier" handle slips over pocket tool handies, glves grip and power of standard drivers. See-thru plastic case, slimmed to fit your pocket; stands on flat base. $3_{3}, 1 / 2$, $5 / 32, K_{1}, 1 / 32,1 / 4,1 / 2, K_{6}, 1 / 22,3 / 6$. Shpg. wt., $7 / 4 \mathrm{lb}$.
13 P 46022
Net 6.15
(F) PS-130 SCREWDRIVER AND NUTDRIVER SET. Set of three slofted screwdrivers ( $1 / 8, K_{1}, 1 / 4$ ), two Phillips screwdrivers (\#1, \#2), and five nutdrivers ( $\mathcal{K}_{1}, 1 / 4, K_{6},{ }^{1 / 32}, 3,8$ ). With Piggyback "torque amplifier" handle and case. Shpg. wt., $3 / 4 \mathrm{lb}$.
13 P 46568
Net 5.85
(6) PS Be SCREWDRIVER SET-Compact, for bench and pocket. Set has 5 slot tip screwdrivers: $1 / 32,1 / 6,1 / 20, K_{b} .1 / 4^{\prime \prime} ; 3$ Phillips screwdrivers: \#0. \#1, \#2. All 31/2" pocket size plus $1 \times 31 / \mathrm{g}^{\prime \prime}$ hollow handle. See thru plastic case, stand-up base. Shpg .wt., $90 z$.
13 P 46444
Net 4.47 (H) 99PS-50 SET OF SCREWDRIVERS-NUTORIVERS-Contains seven nutdrivers: $7 / 101 / 22,1 / 4,9 / 32,1 / 611 / 2$, and $3 / 88^{\prime \prime}$; two slotted screwdrivers: Kol $_{1 \prime \prime}$ and $Y_{2}^{\prime \prime}$; \#1 1 and \#2 Phillips screwdrlvers; an extension blade (adds $4^{\prime \prime}$ reach to singie end blades) regular handie $1 \mathrm{~K} \times 41 / \mathrm{s}^{\prime \prime}$. Easy to work with in space-saving. convenient see-thru plastic case with flat base that stands up on work bench. Shop. wt. $11 / 2 \mathrm{lbs}$. 13 P 46451



## HIGH QUALITY CHROME VANADIUM SHAFTS-UL HANDLES



## SLOTTED BLADE SCREWDRIVERS

Stock No. Type \# Shaft Size overall Net
13 P 46246 R144 $4^{\prime \prime} \times 14^{\prime \prime} \quad 8^{\prime \prime} \quad 1.11$
13 P 46253 R146 $6^{\prime \prime} \times 1 / 4^{\prime \prime} \quad 10^{\prime \prime} \quad 1.22$

13 P 46261 R148 $8^{\prime \prime} \times 1 / 4 " 12$ " 1.28
$\begin{array}{lllll}13 P 46279 & R 182 & 2^{\prime \prime} \times 1 / 8^{\prime \prime} & 21 / 2^{\prime \prime} & -47 \\ 13 P 46287 & R 183 & 3^{\prime \prime} \times 1 / 9^{\prime \prime} & 5^{\prime \prime} & 44\end{array}$
$\begin{array}{lllll}13 P 46287 & R 183 & 3^{\prime \prime} \times 1 / 8^{\prime \prime} & 5^{\prime \prime} & .44 \\ 13 P 46295 & R 184 & 4^{\prime \prime} \times 1 / 8^{\prime \prime} & 61 / 2^{\prime \prime} & 54\end{array}$
13 P 46311 R188 $8^{\prime \prime} \times 1 / 8^{\prime \prime} \quad 104 / 2 \prime \quad .71$
SET-SCREW TYPE-with pocket clip
13 P 46329 R1841/2 $4^{\prime \prime} x^{1 / 6^{\prime \prime}} 6^{\prime \prime} \quad .47$ 13 P 46337 R3323 $3^{\prime \prime} \times 3^{3} 3^{\prime \prime} 5^{\prime \prime}$. 44 PHILLIPS SCREWDRIVERS-alloy steel $13 P 46345 \times 101 \quad 3^{\prime \prime}$ \#1 pt. $61 / 2^{\prime \prime} \quad .91$ $13 P 46352 \times 102 \quad 4^{\prime \prime}$ \#2 pt. $73 / 4^{\prime \prime} 1.11$ 13 P $46360 \times 103 \quad 6^{\circ \prime} \# 3$ pt. $10^{\prime \prime} 1.62$ 13 P $46378 \times 108 \quad 6^{* *} \# 1 \mathrm{pt} .10^{\prime \prime} 1.08$

HOLLOW SHAFT NUT DRIVERS stock No. Type \# Shaft size overall Net

| 3 P 46485 | HS-6 | K4" | $61 /{ }^{\prime \prime}$ | 1.15 |
| :---: | :---: | :---: | :---: | :---: |
| 13 P 46493 | HS-7 | K\%" | 61/4" | 1.15 |
| 13 P 46113 | HS-8 | 1/4* | $7{ }^{\prime \prime}$ | 1.15 |
| 13 P 46501 | HS.9 | \%/3" | 7" | 1.15 |
| 13 P 46121 | HS-10 | 5 | 7" | 1.15 |
| 13 P 46139 | HS-11 | 11/38* | $7 \prime$ | 1.15 |
| 13 P 46147 | HS-12 | 3/6" | $7 \prime$ | 1.15 |
| 13 P 46519 | HS-13 | 1\%" | $71 / 4^{\prime \prime}$ | 1.32 |
| 13 P 46154 | HS-14 |  | $71 / 4{ }^{\prime \prime}$ | 1.32 |
| 13 P 46527 | HS. 15 | 15/32" | $71 / 4 \prime$ | 1.32 |
| 13 P 46162 | HS. 16 | $1 / 2{ }^{\prime \prime}$ | $71 / 4^{\prime \prime}$ | 1.32 |
| 13 P 46170 | HS-18 | K" | $71 / 4{ }^{\prime \prime}$ | 1.38 |
| 13 P 46188 | HS-20 | 5/8" | 75/8" | 1.55 |
| 13 P 46535 | HS-22 | 110" | $75 / 8{ }^{\prime \prime}$ | 2.36 |
| 13 P46543 | HS 24 | $3 / 4{ }^{\prime \prime}$ | 75/8' | 2.36 |

Shpg. wt., 6 oz.


## XCELITE POPULAR 6 PIECE

 SCREWDRIVER SET

- In Handy See- Only 550 Modet SRX33. Assorted popular sizes to meet the requirements of a great variety of service, production and maintenance applications. High quality chrome vanadium blades with tough shockproof plastic (UL) handles. Set includes 4 slotted blade screwdrivers $1 /{ }^{\prime \prime \prime}, K_{1}{ }^{\prime \prime}, 1 / 4^{\prime \prime}$ and $3 / 1^{\prime \prime}$, and 2 Phillips Type
 $101 / /^{*}$. Shpg. wt., $11 / 2 \mathrm{lbs}$. 13 P $46550^{\circ}$ Net 5.50


# High Quality Pliers-Cutters for Electronics 

KRAEUTER "INDUSTRIAL" PLIERS


- All With Cushion Grip Handles

Fine uality-hammer-forged from high grade tool steel. Individually fitted, tempered and adjusted. Fully polished heads. Rust-resistant cushion grip handles. Avg. Wt., 1 to.

| Stock No. | Type | Fig. | Description | Net |
| :---: | :---: | :---: | :---: | :---: |
| 13 P 28012 | 35015 | 1 | 5" Diagonal Cutters | 3.45 |
| 13 P 28020 | 35016 | 1 | $6^{\prime \prime}$ Diagonal Cutters | 3.70 |
| 13 P 28038 | 37015 | 2 | 5" Needle Point Diagonals | 3.95 |
| 13 P 28046 | 36616 | 3 | 6* Needle Nose with Cutter | 3.59 |
| 13 P 28079 | 27510 | 4 | $10^{\prime \prime}$ Joint Pliers | 3.20 |
| 13 P 28095 | 36107 | 5 | 7" Heavy Duty Diag. | 3.65 |

$\begin{array}{llll}\text { (A) } \\ \text { (B) } & \text { (C) } & \text { (D) } & \text { (E) }\end{array}$
(A) $61 / 4^{\prime \prime}$ LONG NOSE PLIERS. 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 polished and lacquered finish to prevent rusting. Imported. Shpg. wt., 7 oz.
13 P 55783
Net 1.69
(B) $61 / 4$ " DIAGONAL CUTTING PLIERS. FUlly drop forged steel construction. Hardened and tempered cutting edges .thin nose for hard to reach places. Shockproof handles are Insuiated for comfort and protection. Rust-proof finish is completely polished and lacquered, Imported. Shpg. wt., 9 oz . 13 P 55791

Net 1.69
(C) 7" LINESMAN'S CUTTING PLIERS, Large strong holding grip. Rugged drop forged construction...tempered steel edges. Comfort design handies are shock insulated. Nose and handles protected by polished and lacquered finish-prevents rusting. imported. Shpg, wt, 1402.
13 P 55809
Net 1.95
(D) $8^{\prime \prime}$ SLIP JOINT PLIERS. Rugged, efficient ... adjust to a variety of positions, reach Into any area. Strong gripping head with insulated cushion-grip handles. Long-lasting drop forged steel with attractive and protective chrome plated finish. Imported. Shpg. wt., 12 oz .
13 P 55817

## WIRE STRIPPER AND CUTTER

149

- Self Opening
- Strips Wire From 10-24 Gauge

For any size wire, stranded or solid. Adjust: able arm for varying wire size. Made of hardened tool steel finely ground cutting edges. Built-in spring holds cutter open. Has ring-lateh to hold blades in closed position. Shpg. wt., 6 oz. Shpg. wt., 6
16502

Net 1.49


CHALH WEL LOCTM LITTLE CHAMP PRECISION PLIERS

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| 6 |
| 5 |
|  |



- Top Quality Precision Pliers

Fine quality small pliers, ruggedly designed for bench work that requires delicate handling. Drop forged from high grade steel. Precision made and polished to jewelers finish with plastlc cushion grlp handles. Avg. shpg. wt., 5 ozs.

| Stock No. | Type | Fig. | Description | Ne |
| :---: | :---: | :---: | :---: | :---: |
| 13 P 30059 | 41-G | A | 41/4" | 9 |
| 13 P 30067 | 42-G | B | 4" End Cutter Nipper | 3.5 |
| 13 P 30075 | 43-G | c | 434" ${ }^{\text {" }}$ Needle Nose | 3.0 |
| 13 P 30083 | 44-G | D | 43/4"Flat Nose | 3.0 |
| 13 P 30091 | 45-G | E | 41/2" Round No | 3.3 |
| 13P30109 | 47.6 | F | 43/4" Needle Nose Cutter | 3.59 |
| 13P30117 | 48-G | G | 43/4" Transverse End Cutter | 3.69 |
| 13 P 30125 | 49-G | H | 41/2" Curved Needle Nose | 3.59 |

## GHAN NTS LOCK



Forged from high grade steel, precision machined. Specially designed for fine elec-
tronics work. Long slender reach... preci-sion-matched jaws ... hand-honed, specially hardened cutting edges. The 738G long reach, round nose will pick up a human hair with its precision machined parts. The 728G-long reach diagonal cutters have a patented wire stripper that really works. With dipped plastic grips. Shpg wt., 10 oz.
j38G Round Nose 8: Long
13 P 30026
.Net 3.80
728G Diagonal Cutter 71/8" Long
13 P 30034
Net 4.29
REVOLVING LEATHER PUNCH

169 Drop forged arc joint silp-groove for blig leverage on work you can't get with other gripping tools. Fully chromed and pollshed pliers offer maximum leverage and strength. 5 adjustments. 1" parallel opening. Deep milled jaws made of chrome vanadium steel. Insulated handles. Imported. Shpg. wt., $11 / 4$ bs.
14 P 55211
Net 2.29
(H) $10^{\circ "}$ PLI-GRIP WRENCH WITH QUICK RE. LEASE. Made of high quality chrome molyb. denum steel. All purpose drop-forged steel jaw for flat, round, or hex work. Quick fingertip release lever permits convenient one hand operation. Has spring tension adjustment and bright plated finish. Imported.
13 P 55999 Shpg. wt., $13 / 4$ Ibs. Net 2,49
(E) $61 / 2^{n}$ CURVE NOSE PLIERS, Versatile IOng. nose pliers bent $45^{\circ}$ at midpoint of jaws. Forged from special heat treated alloy steel. Hand honed side cutters. Insulated grips. Shpg wt., 7 oz.

35205 …............................. Net 1 .
(F) LIGhtweicht 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, etc. Handy for mechanics, assemblers. hobbyists. $83 / 4$ " long, with soft plastic colored handles. Shpg. wt.. 5 oz .
14 P 26014
Net 1.39
-26014


Has 6 standard punching tubes. Made of long-lasting tempered steel. Imported 14 P $6 \$ 144$ Shpg, wt., 13 ozs. Net 1.69

## SUPER ELECTRICIANS KNIFE

For handymen and electricians. 3 high-carbon steel blades: knife, skinning and screwdriver, which lock open. Solid tenite handle with belt loop, slze $31 / 2^{\prime \prime}$. Shpg. wt. 602. 14 P 28507


## AUTOMATIC WIRE STRIPPER AND CUTTER



- Automatic StayOpen Feature
Precislon tool automatically cuts, strips all types of electrical Insulated wire. Works on all standard gauges from 12 through 24 . Complete with wire guide. Insulated handles. Imported. Shpg. wt. $3 / 41 \mathrm{bs}$.
$14 .{ }^{3} 61250$


## GREENLEE CHASSIS PUNCHES



TYPE 730


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, reaming or fillng. TYPE 730, Round Holes, Avg. shpg. wt., sizes $1 / 2^{\prime \prime}$ to $13 / 4^{\prime \prime}, 1 \mathrm{lb} .2^{\prime \prime}$ to $3^{\prime \prime}, 3 \mathrm{lb}$.


## LAFAYETTE CHASSIS PUNCH SET

- Easy-smooth holes in sheet metal - 5 Sizes: $1 / 2^{\prime \prime}$ 5/8" $3 / 4^{\prime \prime}, 1^{\prime \prime}, 11 / 8^{\prime \prime}$
Five most often needed round hole punches Easily cuts smooth accurate holes for sock. ets, plugs, controls, panel lights, switches, terminals, and most radio parts. Drive with any wrench or with included $T$-handle. Punch sizes included are $1 / 2^{\prime \prime}, 5 / a^{\prime \prime}, 3 / 4^{\prime \prime}, 1^{\prime \prime}, 11 / 8^{\prime \prime}$. Complete with punches. dies, $T$ drive handle, tapered reamer, fitted case, and instructions. Shpg. wt., 2 lbs. Imported. 99 P 80244

Net 7.88


## DELUXE 40-PIECE TAP AND DIE SETS

## $10^{75}$

## - National Coarse \& Fine Thread

For mechanics, machin-
 ists, engineers. One tap
and die in each of following: $4.36,12.24,3 / 8-16,3 / 4-24,6-32,1 / 4-20$, K/6-20, $1 / 2-20,8 / 32,1 / 4-28,1 / 6 \cdot 14,1 / 2 \cdot 13,10-32$. $5 / 6-18$. $Y_{6}-24,1 / 8$ Pipe Tap plus long handle adjustable tap wrench, "T"' handle tap wrench, die handle, screwdriver, screw pitch gauge, hinged box. Imported. 13 P 55882 Shpg. wt., $31 / 2 \mathrm{lbs}$.

Net 10.75 40 -Plece Metric Tap and Die Set. With the following sizes in mm: $3 \times 0.35,3 \times 0.6,4 \times 0.5,4 \times 0.75,5 \times 0.5,5 \times 0.9,6 \times 0.75,6 \times$ $1.0,7 \times 0.75,7 \times 1.0,8 \times 1.0,8 \times 1.25,10 \times 1.25,10 \times 1.5,12 \times$ 1.5 , and $12 \times 1.75$. Shpg. wt., $31 / 2 \mathrm{lbs}$.

13'P 56252
Net 10.75

## 20-PIECE TAP AND DIE SET <br> - National Coarse <br>  Sizes



Contains one tap and one die in each of the following sizes: 6.32, $8-32,10-24,12-24,1 / 6-20, \mathrm{~K}_{6}-18,3 / 6-16,7 / 6-14$, and $1 / 2-13$. Including die stock and adjustable tap wrench. Entire set contained in a fitted metal case. Imported. Shpg. wt., $21 / 4 \mathrm{lbs}$. 13 P 55106

## 12 NEEDLE FILES

## - Swiss Pattern

All files are double cut for sharper, faster cutting. For hobbyist, jewelers, watchmakers. etc. all over the world. Consists of 12 assorted flat, oval, round. triangular and edge files to fit every need. Imported. Shpg. wt.. $1 / 2 \mathrm{lb}$.
14 P 64536
Net 4.95


## HANDY WARDING FILE SET

- 5 Individual Files

Perfect for shop-riome-hobby work. Kit consists of flat, half round, triangular, square, round and taper files. All with individual hard plastic handles. Sturdy plastic pocket case included. Imported.
13P 55122 Shop. Wt., 5 oz. .Net 1.19
18-PC. HEX KEY
WRENCH SET


9 short arm wrenches from $.050^{\prime \prime}$ through $1 / 4 "$ " and 9 long arm wrenches $x_{6}^{\prime \prime}$ through $3_{8}^{\prime \prime}$. Quality tool steel. Bright plated-in plastic roll up kit. Imported.
14 P 76019 Shpg. wt., $1 / 4 \mathrm{lb}$... Net .89

NUT SPLITTER


- Handy For Removing Frozen Nuts
- Easy to Use

Nut splitter, a handy, compact time-saver only $43 / 4=$ long, this tool will split nuts up to $3 / 4^{*}$ across flats. A few turns with any $3 / 4^{*}$ hand wrench cuts the nut for easy removal.
14 P 52069 Shpg. wt.. 1 lb. ...Net 5.95
PATTERN MAKER AND CONTOUR GAUGE


- Match and Outline Any Irregular Shape For home, shop and industry. Simplifies measurement and copying of Irregular shapes. Easy to use, just press the gauge's steel teeth against any irregular surface to exactly match and hold the shape taken. Uses include: measuring pillar contour, fit ting, floor tile, carpeting, wood mouldings, linoleum. $6^{\prime \prime}$ long. Imported.
14 P 52051 Shpg. wt., $3 / 4 \mathrm{ib}$. . Net 1.59


## REMINGTON 10" TUNGSTEN CARBIDE ROD SAW

## 195

CERAMICS
Super abrasive


- Cuts Like a Diamond
- Fits Any Hacksaw Frame

Cuts materials that an orcmary nacksaw can't cut; ceramic tile, glass, masonry materials, tough plastics, weids, steel alloys
virtually anything hard or tough. Cuts curves and angles in any direction. No teeth to blunt, break, set or sharpen. Fits common hacksaw frame. Shpg. wt., 3 oz.
13 P 38508
.Net 1.95

## VERNIER SLIDING CALIPER



Sharp pointed projection for accurate dividing, scribing, etc. Lock nut insures agalnst errors caused by sllding gauge. Rule graduated in 16 th and 32 nds plus $5^{\prime \prime}$ depth gauge. Precision made. Imported. Shpg. wt., 6 oz. 14 P6i128.

Net 1.49

## SAFETY EYE GUARD

Ideal for industry, home, and farm work, Safe agalnst impact and piercing. Optically clear.
Non-fogging. Well venti-
lated. Undistorted vision. Flexible design fits over correctlive eyeglasses. Wt., 5 oz . 13 P 55353

## Metal Working Tools and Vises

## HEAVY DUTY $18{ }^{\prime \prime}$ BENDING AND FORMING BRAKE




PORTABLE VACUUM VISE
WITH 2 JAWS, $11 / 2^{\prime \prime}$ AND $21 / 2^{\prime \prime}$
No clamps, no screws! Vacuum power holds vise securely on any non-porous surface. Use it on formica, linoleum, metal, porcelain or any painted, smooth finish surface. Anvil back, 2 jaws. $11 / 2^{\prime \prime}$ and $21 / 2^{\prime \prime}$ open to $22 / a$ Inches. $360^{\circ}$ rotation swivelhead, Easy to use vaiuum action and jaw controls. For hobbyist, repairman. Imported. 13 P 55916 Shpg. wt., $5 \frac{1}{4}$ 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 against slippage. Removable hardened pipe jaws open to $43 / \mathrm{g}^{\prime \prime}$; plated screw bar. Steet handie balls forged from handle stock. Precision machined malleable iron castings. Selflubricating graphite bronze bearing. Imported. Shpg. wt., $173 / 4 \mathrm{lbs}$.
13 P 55890
Net 10.95
HEAVY DUTY 6" MODEL. Similar to above: Width of Jaws: $6^{\prime \prime}$ opens to $61 / 4^{\prime \prime}$. Shpg. wt., $26 \mathrm{~V} / 4 \mathrm{lbs}$.
3 P 56120 W
....Net 16.95

## ELECTRONIC VISE WITH POSITIONER



For small sub-assemblies and intricate electronic work including printed circuits. Rubber protected jaws are 23/0"W with a $61 / \mathrm{s}^{\prime \prime}$ opening. PowRarm positioner offers supertor positive lock and fast on off action with horizontal handle. Shpg. wt., $23 / 4 \mathrm{lbs}$. 14 P80029
.Net 18.85

## HAND VISE

The only practlcal way to grip and hold small parts. $11 / 4^{\prime \prime}$ die cast jaws open to \%". Mounted on a 4" comfortable fer. ruled wooden handle. Holds work for drifling, marking, filing, sawing, etc. Endless uses in handiwork. Imported. shpg. wt., 902.

13 P 55346
Net 1.19

## DOUBLE POWER GRINDER



## - with 2 Grinding Wheels

Equipped with double tool rests - will accommodate 4" or $5^{\prime \prime}$ grindstone. Nylon bearings require little or no lubrication, and have outstanding abrasion resistant characteristics. Furnished complete with one coarse, one fine grinding wheel, Shpg. Wh., $103 / 4 \mathrm{Jbs}$.

450<br>- 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 directlons. Any design-angle-radtus. Follows scribe lines easily. Best possible tool for cutting template and model parts.
14 P 12055 Shpg, wt., 10 oz. .. Net 4.50 Replacement punch for above 14 P 12063

Net 2.50

## limantury <br> CUTTING TOOL KIT

## 595 <br> Cuts Anything Metal or Plastic

Bernzcutter cleanly and easily cuts plastics and laminates up to $1 / 10{ }^{\circ}$, floor tife, sheet metals (steel up to . 040 "), pegboard or paneling. Eliminates the danger of tearing or cracking delicate materials as with ordinary cutting tools. Hand operated BernzCutter Is compact, can be used in confined 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. instructlon book. Shpg. wt., 1 lb .
14 P 31501
..Net 5.95

## 4 TOOLS IN ONE

## Complete Metal Workshop

FOR INDUSTRIALS, EXPERIMENTERS, REPAIR SHOPS, MODEL WORKERS, SCHOOL SHOPS, HDME WORK SHOPS

- Punches - Shears
- Rivets - Forms

An ideal tool for plant, shop or home use. Used extensively in industrial plants on small jobs. Handles stock up to $1^{\prime \prime}$ wide to 16 gauge. Punches clean, sharp, smooth, burr-free holes - up to $1^{\prime \prime}$ from edge - K ${ }_{6}$ round. Forms bend up to $90^{\circ}$ in rod or bar stock. Cleanly shears metals up to 1 " wide, 16 gauge, without distortion. Rivets easily with any type solid or hollow rivet. Rivets up to a maximum combined thickness of $3 \mathbf{h}^{\mathrm{m}}$. Shpg, wt., $51 / 2 \mathrm{lbs}$.
14 P 11016
Net 11.95

## EXTRA PUNCH SETS.

Avg, shpg. wt., 3 or.
14 P 11024 Hex-1. $6_{6}{ }^{*}$, $1 / 8^{\prime \prime}$ and $1 / 4^{\prime \prime}$
Net 2.59
14 P 11032 Square- $1 / 8^{\prime \prime}$ and $k{ }^{*}$
Net 1.79

14 P 11065 Round- $1 / 3^{\prime \prime}$, $x_{2}{ }^{\prime \prime}$, 7/2" $1 / 4^{\prime \prime}$ ".........................Net 3.49

## MINIATURE IMPROVED HOIST



- 2000-lb. Capacity

Simple, reliable hoist enables you to lift as much as 2000 tbs., yet weighs only $11 / 2 \mathrm{lbs}$. I 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. Includes high tensile.strength $65^{\circ}$ rope for long Ifte. Shpg. wt., 2 lbs .
13 P 19060
Net 5.95

# Vacuum Cleaners...Staple Guns 

## SHOP-VAC ALL PURPOSE VACUUM CLEANERS

# - Heavy Steel Drum-Excellent for the Home, Garage, Patio, School or Workshop <br> - Powerful 1 HP Motor, 6 ft. 2½" Dia. Hose <br> <br> $\underset { \text { AS } } { \text { ASW } } 3 \longdiv { 9 5 }$ 

 <br> <br> $\underset { \text { AS } } { \text { ASW } } 3 \longdiv { 9 5 }$}

Delure Shop.Vac 10 Gallon Vacuum Cleaner outfit. Excellent for picking up pebbles, wood chips, sawdust and other debris. Also attaches to woodworking machines for chip and sawdust removal. Reversible air flow-use it as a blower tao. Perfect for winter oil burner cleaning. Complete with two way 4 . wheel dollie, 6 ft . $21 / 2^{\prime \prime}$ dla. hose, $6^{\prime \prime}$ nozzle, $21 / 2^{\prime \prime}$ to $11 / 4^{\prime \prime}$ adapter, 2-pc. $45^{\prime \prime}$ extension wand, right angle elbow, cloth filter bag and pkg. of 5 paper filters. UL I isted. Shpg. wt., 22 lbs.
13 P 35652W No Money Down* ..............................Net 39.95
5 Gallon Shop-Vac Vacuum Cleaner, Same as above, including all accessorles, except for 5 gallon vacuum capacity. Ui listed, Shpg. wt., 17 lbs .
13'P 35702W No Money Down* ..............................Net 34.95
Paper filter Bags: For extra dirty jobs, slips over cloth bag.
13 P 35561 Pkg. of 5. Shpg. wt., 4 oz. .................Net .99
13 P 35579 Repiacement Cloth Bag. Wt., 4 oz. ....Net 1.49

## "HOPPY" LEVEL and INCLINE FINDER



## 795

- Precision Split-Image Transit
- Quickly Determines Level and Incline
- For Carpentry, Cement Work, Plumbing, etc.


## "HOPPY" LEVEL and INCLINE FINDER

Precision instrument accurately measures level and degree of incline. Combines the advantages of carpenter's level and costly surveyor's transit. Indicates level and exactly how much grading is needed. Measures a minimum of $1 / \mathrm{g}^{\prime}$ rise or fall at $25^{\prime}$. One man can easily handle any leveling or incline measuring job; eliminates need for 2 -man crews. Use for patio layout, bricklaying, flooring, surveying, terracing, fencing, plumbing, shelving, guttering, drainage, irrigation, or any task requiring accurate level or grading. Wt., $11 / 4 \mathrm{lbs}$ 14 P18011

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Compact, easy-to-use, precision instrument accurately determines level and degree of incline. Combines the advantages of carpenter's level and costly surveyor's transit. Measures a minimum of $1 / \mathbf{s}^{\prime \prime}$ rise or fall at $25^{\prime}$. Side calibration chart and top reading indicators permit quick incline and grading determination. Rugged, self-contained unit uses its own carrying case as tevel target; eliminates need for 2 -man crews. Use it tor patio layout, bricklaying, flooring, surveying, terracing, fencing, plumbing, etc. Shipg. wt., $21 / / \mathrm{jbs}$.
14 P18037

## MULTI.PURPOSE GUN TACKER KIT

- Includes: Gun, Case-Wiring,

Screening, And Window Shade Attachments-Staple Lifter

Professional staple gun with a powerful action that drives 6 heavy duty staple sizes,
 especially designed for ceiling tile. Kit contains: staple gun; multi-staple pak of 2030 $1 / 4^{\prime \prime}$, and 1000 ea. $3 / /^{\prime \prime}, 1 / 2^{\prime \prime}$ and Ceiltile staples, and attachments.
13 P 57508 Shpg. wt., $43 / 4$ bs... Net 14.95
staples for the model t.so gun Shpg. wt., 8 oz.

[^6]

# Selected Accessories For Power Drills 

## REVERSE-A-DRIVE SPEED REDUCER SCREWDRIVER



- Includes 2 Bits and $1 / 4^{\prime \prime}$ Socket Adapter
Reversible speed reducer can be fitted to any electric drill or drill press quickiy and easily. Forward speed reduction of 11 to 1 and reverse of 4 to 1 develops high torque. Ideal for nut running, and heavy duty screw. driving. Easy stop-start action with hand clutch control. Accessories include $1 / 4^{\prime \prime}$ slotted bit with finder- \# 2 Phillips bit and $1 / 4^{\prime \prime}$ sochet adapter. Shpr, wt., $3 / 4 \mathrm{lb}$.
14 P 79021 $\qquad$ Net 5.95
Speed reducer similar to above but less reversing feature. 11 to 1 speed reduction through the use of a planetary gear system Easy stop-start action with hand clutch control. Includes slotted bit with finder, \#2 Phillips and $1 / 4^{\prime \prime}$ socket adapter. Shpg. wt. $3 / 4 \mathrm{lb}$.
14 P 79039
Net 3.95

- Complete 11 Piece Screw and Nut Driver


## ARCO SCREW \& NUT DRIVER. DRILL ATTACHMENT



For rapid fastening of both screws (slotted and Phillips) and nuts (hex and square head). Has non-silp Industrial type clutch for fast easy driving. Bit holder prevents screw head slippage. Includes flat bits and bit holders for \#6.14 slotted screws, \#2 Phillips head bit, 6 hex socket wrenches ( $1 / 4^{*}$, yo", 13/ ", $\left.3 / 8^{\circ}, 70^{" \prime}, 1 / 2^{\prime \prime}\right)$, and socket wrench boider with ball lock. Shpr. wt., 1 tb.
14 P 14218
....Net 5.25

## LAWN MOWER SHARPENER

- Sharpens All Rotary Mowers
Quickly and easily sharpens any flat blade-rotarles, hoes, scythes, efc. $1 / 4$ " shank fits any elecific drill. Reversible grinding wheel. Wt., $1 / 2 \mathrm{lt}$. 14 P 14226 .........Net 1.19


## KNIFE \& SCISSOR SHARPENER

- Runs Drill At $1 / 2$ or Double Speed.
Close coupled right angle attachment for working in confined spaces. 2 to 1 gear ratio permits halving or doubling drill speed. High speed for drilling and sanding-slow speed for polishing-larǵe hole drillingmasonry drilling, etc. Fits $1 / a^{\prime \prime \prime}$ chuck or may be screwed directly to drill spindle. Includes 3 - 24 mate and female adaptersand $1 / 4^{\prime \prime}$ plain shaft adapter.
14 P 36039 Shpg. wt., $11 / 2$ lbs. Net 3.95


## 7.BLADE DEEP HOLE SAW

## 150 <br> - Cuts holes in <br> $2 \times 4$ 's

Fits any electric drill or delli press. Cylindri. Cal saw blades cut holes from $1^{\prime \prime \prime}$ to $212^{\prime \prime}$ in dtameter in any stock up to $2^{\prime \prime}$. Hole sizes are $1^{\prime \prime}, 11 / 4^{\prime \prime}, 112^{\prime \prime}, 13 / 4^{\prime \prime}, 2^{\prime \prime}, 21 / 4^{\prime \prime}, 21 / 2^{\prime \prime}$. Cut wood, plastic, metal, sheetrock, wall: board, masonite, formica, etc. Has gulde bit and automatic slug ejector. Imported.
13 P 55262 Shpg, wt., 1 lb. ....Net 1.50


| CORDLESS POWER DRILL SET |
| :--- |
| 95 |
| Drills Wood, |
| Metal, Plastics |

- Grinds, Drills, Carves, Polishes

Model 376. Powerful, versatle, efficient. Polish-deburr-carve-grinddrill, with new ease! Complete with center punch, grinder, drill bit and 3 precision collets. Drills plastic, wood, light metal. In handy styro foam holder. Embossed case. Less batterles.
13 P 74248 Shpg wt., $3 / 4 \mathrm{lbs}$.
Net 5.95
. 2572 Batteries for above; 2 req. ........Net ea. . 17

# Popular Power Drill Accessories 

14 Pc. HIGH SPEED DRILL SET with CENTER PUNCH


Century 1195

- 13 Sizes K/6"-1/2"1 Plus Center Punch
- Hang on Pegboard, Mount on Wall or Stand on Workbench

Top quality, high speed drill set contains sizes $1 / 6,3 / 6,3 / 2,7 / 6,1 / 6$, $X_{11}, 3_{2}, Y_{1}, V_{1}$ and $1 / 4^{\prime \prime}$. $X_{6}$, 3 , and $1 / 2^{\prime \prime}$ with $1 / 4^{\prime \prime}$ shanks. Also contains center punch for accurate placement of drill. Con"enlent, high impact plastic case stands on workbench or mounis easily on wall or peg. board. Has built-in shelf for holding pencils or additional drill bits. chuck keys, etc. Shpg. wt., $11 / 2 \mathrm{lbs}$.

## 13 P18112

.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 hign speed dills and center punch placed in unbreakable flexible plastic case which opens and closes like a book! Drill Sizes: $1 / s^{-1 / 4} 4^{\prime \prime}$. Handy center punch assures exact position of drill bit. Shpg. wt., 9 oz.
13 P 18500
Net 5.95


## 12 PC. HIGH-SPEED DRILL SET Made in WITH STAND AND DRILL STOP <br> U.S.A.



High-speed drill sel for wood, metal, or plastic work. Fits all electric drills. 10 popular size drills from $1 / 3^{*}$ to $1 / 4^{\prime \prime}$. and an adjustable drill stop to measure exact depth for controlled drilling. Eliminates mistakes, and fits all drills in set. Complete with unbreakable red plastic stand.


## 29-PIECE DRILL SET WITH STAND

## - Sizes $1 /{ }^{\prime \prime}$ " to $1 / 2^{\prime \prime}$

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 $1 / 4^{\prime \prime}$ have turn ed down shanks, Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$ 13 P 55775

Net 10.95


Simple and saft to use, makes perfect circles in wood in seconds Use with any electric drill to cut speaker holes, vents, pipes, ceilling lights, etc. Can also be used to make discs, rings and fancy shapes. Cuts circles $11 / 2^{\prime \prime}$ to $12^{\prime \prime}$ in diameter. Has special bit for smooth side cutting. Shpg. wt., $1 / 2 \mathrm{lb}$.

## 12 P 41009

Net 5.95
HEAVY-DUTY INDUSTRTAL COMPASS CUTTER. AS above except cuts up to 18 inch circular holes in fiberglas, 2" wood plank, sheet metal, $1 / 4^{\prime \prime}$ aluminum and laminated plastics. Special router bit has drill point allowing you to bore center and radius hole. Shpg. wt., 1 lb.
12 P 41017
Net 7.95


## TWIST DRILL SHARPENER

- Sharpens Drills from $K_{6}{ }^{\prime \prime}$ to $1 / 2^{\prime \prime}$

Fits any $1 / 4^{\prime \prime}$ or larger electric drill. $3^{\prime \prime}$ aluminum oxide grinding wheei. Sharpens any bit up to $1 / 2^{\prime \prime}$ dia. Also has adjustable tool rest for sharpening chisels, knives, scissors, etc. Shpg. wt., 3/4 lb.
14 P14093
Net 2.29

Black s Decker AUTOMATIC DRILL BIT SHARPENER


Model 7980. Automatically precision sharpens dull or broken high speed steel twist drill bits (not carblde tipped). Bits need no oll or lubricants. Accepts 11 sizes: $1 / 8$, \%
 Double-instiated for maximum user safety $1 / 7$ H.P., 1.9 amps., 120 VAC, $50 / 60 \mathrm{~Hz}$. shpg. wt., $51 / 2$ lbs.
12 P68747
.Net 19.99
UNIVERSAL DRILL PRESS STAND


Drill stand can be used with any $1 / 4^{\prime \prime}$ or $3 / 88^{\prime \prime}$ drill or $1 / 2^{\prime \prime}$ compact. Converts hand drill to powerful lever operated drill press. Rack and pinion gear feed and spring return mechanism plus depth adjustment, Base drilled for bench or truck mounting. $2 \frac{1}{2} 2^{\prime \prime}$ stroke, 5 to 1 leverage. Overall height: $20^{\prime \prime}$. Base size: $53 / 4 \times 6^{\prime \prime}$. Shpg, wt., 7 lbs. 14 P 62555

Net 12.95

## 6.PC. SCREWDRIVER BIT SET <br> 



- Fits All Electric Screwdriver And Variahle Speed Drills

Versatile set provides a variety of bits and finders to speed-up assem bly and service work. For slotted and Phillips head screws. Kit includes 3 -slotted bits and finders for screw sizes 6-8, 8-10, \& 10-12; 3 -Phillips bits No.'s 1, 2, \& 3. All have $1 / 4^{\prime \prime}$ Hex shank. Shpg. wt., 5 ozs. 14 P 79047

Net 2.99


## 7 PIECE SOCKET SET

- Fits All Electric Screwdriver Drills

199

Orills $1 / 4$ " hex shank fits all power screw drivers and drills. Fits directly into chuck for driving and removing bolts and nuts. Set contains socket adapter and 6 sockets K/6", $3 / 6^{\prime \prime}$, $11 / 22^{\prime \prime}$, $K_{6}^{\prime \prime}, 1 / /^{\prime \prime}, K_{6}^{\prime \prime}$.
14 P 79054 Shpg. wt., 5 oz . ....Net 1.99

## 5-PC. ROTARY FILE SET



For electric drill, drill press, flexible shaft. Milled from solid toof steel, hardened and tempered. Cuts steel and other metals, wood, plastic, wallboard. etc. For hole enlarging, routing, shaping, finishing. with $1 / 4$ " shank. Shpg. wt., $1 / 2 \mathrm{lb}$.
13 P 50180
Net 4.15

## AUTOMATIC CENTER PUNCH

Speedy, automatic, and adjustable-a single-hand operated punch gives light or heavy impressions with just the turn of a screw. Spring pressure-adjusts from 5-30 lbs. Imported from Engiand. Wt., 5 oz. 14 P 33200
 drilling soft metals, wood, sanding and sawing. Set includes: $0-45^{\circ}$ tilting portable saw attachment, table saw attachment (angle cuts to $45^{\circ}$ ), lever-action drill press stand with mounting post and base, bench stand, 9 drill bits, gear chuck and key, $41 / 2^{\prime \prime}$ cross cut and rip saw blade, lambswool polishing bonnet, rubber backing pad, paint mixer. $3^{\prime \prime}$ grinding wheel, 12 assorted sanding discs, side mount orill handle, 3-wire cord adapter set, 6 ft . heavy-duty extension cord, and instruction booklet. Drill UL listed. For 117VAC, 60 Hz . 13 P47509W Shpg. wt., 12 lbs. .................................Net 29.95

## HEDGE TRIMMER ATTACHMENT <br> 50 Lock Into Place With

Converts any $1 / 4^{*}$ drill into an easily handled hedge trimmer. Cuts, trims and shapes hedges and shrubbery. Extra long $14^{\text {m }}$ blade of hardened tool steel. Keen edges for fast shearing action. Steel drive gear-permanently lubricated. Long, comfortable handie. Locks in any of 10 different posittons. Light welght-compact. Wt., $21 / 2$ ibs. :3P 50156

Net 7.50

## "JIG SAW" ATTACHMENT

- Fits Any Electric Drill

Cuts straight lines, intricate patterns and circles in wood, plastics, and metals. Complete with blade, instructions.
14 P 14259 Shpg. wt., 13/4 lbs. Net 4.50 Pkg, of 6 blades ( 2 coarse, 2 medium, 2 fine). Shpg, wt., 4 oz.
14 P 14267
Net 1.75


## SANDER ATTACHMENT

- Fits Any Electric Drill

Sand in minutes! For use with all $1 / 4^{4}$ or $3 / 8^{\prime \prime}$ drilis. Orbital action. ball bearing construction. Complete with three standard slze no-toad, jewelhard abraslve sandpaper sheets in coarse, medlum and fine grit. Top handle for easy handling.
14 P 62522 Wt., $23 / 4$ lbs. Net 5.15


- Fits Any Electric Drill


## 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 $13 / 4^{\text {co }}$ wide cut. Diagonal shearlns action planes easily with or across grain. For $1 / 4^{\prime \prime}$ or 3/8" drill. Shpg. wt., 3 lbs .
14 P 62530

## DELUXE VARIABLE MOTOR SPEED CONTROL


$12^{35}$

- Varies Speed on AC-DC Motors from 0 to Full RPM
- Up to 8 Amps.
- 3-Position Switch:

Variable-OFF-Full Speed Pertect for all workshop power tools and home appliances. Use with drills to start holes, saws to extend blade Ilfe, polishIng at low speeds etc. 3 -position switch. Varlable, OFF and Fuli permits maximum speed control, with Universal (AC-DC) or DC motors rated to 8 amps. Has automatic breaker surge protection. Input 120 V AC only, 3 wire line cord. Black aluminum case, $4^{4}$ 自 $\times 21 / 2 W \times 11 / a^{\prime \prime} \mathrm{D}$. Shpg. wt., $11 / 4 \mathrm{los}$
13 P 27014
Net 12.95
"JIFFY" VARIABLE MOTOR SPEED CONTROL


## $9^{95}$

- Varies Speed on AC-DC Motors from 0 RPM to Full Speed
- Ideal for Electric Drills, Saws, Polishers
Dependable motor speed control Ideal for workshop power tools using universai $A C-D C$ and series DC motors. Assures constant speed variation from zero to maximum speed. Has built-in cireuit breaker, 5 amps load rating. Input: 120 voits $50-60 \mathrm{~Hz} \mathrm{AC}$. 3 -wire receptacle and detachable line cord. $3 \times 21 / 2 \times 14 /{ }^{\prime \prime} \mathrm{D}$. Shpg. wt., 1 lb . 13 P 27006 $\qquad$ Net 9.95

DRILL-MATE


## - Portable Organizer for Drill and Accessories

Keep your drill and accessories organized and ready to use with Drlir-Mate, the portable organizer. Holds any $1 / 4^{\prime \prime}$ or $3 / /^{\prime \prime}$ drill. Handy and convenient to use, the Drill-Mate has a 25 -hole drit bit index- $1 / 0^{\prime \prime}$ to $1 / 2^{\prime \prime}$, a retractable handfe for easy access, handy pockets for tools, discs and accessories, and two utility drawers. Hi-impact polystyrene construction.
13 P 76268 Wh Shpg. wt., $23 / 4 \mathrm{lb}$. Net 3.95


## Variable Speed

$3 / 8^{\prime \prime}$ Drill With Speed Lock

- Drill Locks At Any Speed From 0-1000 RPM


Model 7120 heavy duty drill features double reduction gear system for full torque drilling action. Gearing and chuck able to handle bigger, tougher jobs. Lets you tock trigger at any selected speed suited to the job. Ideal for driving screws. Improved $1 / \mathrm{hp} 2.5 \mathrm{amp}$. burn-out protected motor. Capacity: $3 /$ a " $^{\prime \prime}$ steel, $3 / 4$ "hardwood. Polished aluminum housing with rugged Man-Grip handle for greater comfort and control. For 120 VAC. UL. listed. Shpg. wt., 348 lbs .
12 P68739 Net 19.99

## Heavy-Duty Single-Speed $3 / \mathbf{r}^{\prime \prime}$ Drill

Madel 7110-Similar to Model 7120, above, less variable speed feature. Shpg. wt., 35/8 Ibs.
12 P 68507
Net 15.99

Model 7100. Versatile $3 / \mathbf{e}^{\prime \prime}$ drill is perfect for general homeowner and workshop use. Double reduction gear system delivers full torque for those tougher jobs. Easily drives wide assortment of accessories and attachments. Capacity: steel $7 \mathrm{a}^{\prime \prime}$, hardwood $3 / 4^{\prime \prime}$; 1000 RPM; 120 VAC; 1/7 HP; 2 amps.
12 P 68754 Shpg. wt., 358 lbs
.Net 9.99

## 1/4" UTILITY DRILL

Model 7000. Handy $1 / a^{\prime \prime}$ drill does light duty work. Drives all the most popular accessories for sanding, polishing, buffing, étc. Well balanced and comfortable. Capacity: steel $1 / 4^{\prime \prime}$, hardwood $1 / 2^{\prime \prime} ; 2250$ RPM: 120 VAC; $1 / 7$ HP: 1.9 amps .
12 P 68762 Shpg. wt., 31/4 Ibs.

## spuc <br> HEAVY-DUTY $3 / 8^{\prime \prime}$ Drive-R-Drill

- With Adjustable Trigger Speed Control
- Pre-set Maximum Speed You Desire-Forward or Reverse
- Drill Locks At Any Speed From 0-1000 RPM

Model 457 double insulated Drive-R-Drill for safety-Two-prong plug eliminates 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 helical gears give extra torque, steady power. Removable side handle. Heavy duty geared chuck with key. 6 ft . 2 -wire cord and plug. For $120 \mathrm{VAC}, 60 \mathrm{~Hz}$. UL listed.
13 P 69396 Shpg. wt., $41 / 2$ Ibs.
Net 36.99

## HEAVY-DUTY 4-SPEED $1 / 2^{\prime \prime}$ REVERSIBLE DRILL

## WEN



3/8" REVERSIBLE VARIABLE SPEED DRILL
 COMPACT DRILL

## - Solid-State Magnetic Motor-

 Diode Circuitry- Double-Reduction Gears

A power drill that is so light, rugged and powerful ... so comiortable! Revolutionary fasi-back design features balanced power and lightweight materials. Weighs only $1 \% / \mathrm{lbs}$ ! Ingen. ious use of polycarbonate housing makes this drill virtually indestiuct.
 Down* ible and is double insulated for safety. Unique magnetic motor offers variable speeds from $0-1200$ r.p.m. 4 -diode circuitry is solid-state full wave rectifier with highly efficient energy transfer. Additional quality features include life-time lubricated spherical bearings, and 18-blade wind tunnel fan, double reduction gears, plus inductionhardened armature pinion and reversing switch. For 120 VAC ., 60 Hz . 13 P 53259 Shpg. wt., 3 $4 / 4 \mathrm{lbs}$.

Model 950 is designed for the big jobs! A rugged heavy duty $4 / 2^{\prime \prime}$ drill where greater power is required. simple, easy to use two-lever control for electronic gear reduction and speed changes for precise and accurate drifling of any type of material. Reversing on all 4 -speeds permits you to back out from extremely dense materials. Welded armature, Double reduction gears deliver hi-torque for heavy jobs. Trigger switch locks in place for extended operation. Precision Jacobs geared chuck and key. Polished die-cast aluminum housling. 120 V . AC with 3 wire cord. UL and CSA listed. Size: 11 x $81 / 2 \times 314 / 2{ }^{2}$. Shpg. wt., $93 / 4 \mathrm{lbs}$. 13 P 65337

Net 39.95


## Power Sanders Grinder Planer Router

HEAVY DUTY 4" BELT SANDER


Mode172510: A powerful belt sander for every sanding job. Rugged gear drive moves 1500 surface feet per minute. Unique snap-lock on front roller for easy belt changing, vacuum cleaner hook-up provided for dust pick-up. Die cast aluminum housing, locking trigger switch. Uses standard $4 \times 217 / 4{ }^{\circ}$ belt. AC motor with life-time lubricated bearings. 3 -cond. cord. For 120 Y 60 Hz AC . UL listed.
13 P 36601 Shpg. wt., $131 / 2$ lbs.
Net 34.95
Sanding Belts For Above Shpg. wt., 4 oz .
13 P 3661940 Grit. Coarse .Net 99 13 P 3662760 Grif, Medium $\qquad$ . Net : 99 13 P 3663580 Grit, Fine ...................................................................... 99

Model 7611. Heavy-duty router designed for the serious do-dt-yourselfer. Powerful $1 / 4$ HP burnout proof motor cuts, routs, grooves, trims and decorates wood, plastics, and compositions, Man-size dual handles for positive control and precison ruled veriical depth adjustment, calibrated in 1/4" permit accurate, professional tooking results. 22,000 RPM, 120 VAC, 5 amps. Complete with 2 wrenches, straight and circular guide, $1 / 4^{\prime \prime}$ high speed steel straight 2 flute bit, router manual, instructions, and carrying case. Shpg. wt., 8 lbs. 12 P 68820

Net 44.95

## 13 P 65188 Shpg, wt., 9 3/4 lbs

## Hogpoly ELECTRIC PLANER

 you get the rignt combunat,on of high speed and oversize sanding of high speed and oversize sanding rmits work ing around and over edges. UL and CSA Listed. For 115 VACiet 37.95
" Portable Vertical

Belt Sander


- Sands, Grinds, Polishes, Sharpens: Metal, Steel, Wood, Plastics
- Portable - For Any $1 / 4-1 / 3$ H.P. Motor; With $1 / 2$ Shaft
Safe, versatile. Sharpens everything -from razors to plow-shares. Belt falls harmlessly to bench if it snaps. 19" high. With $1^{\prime \prime} \times 42^{\prime \prime}$ abrasive belt, 50 grit. Shpg. wt., $113 / 4 \mathrm{lts}$.
12 P 18502 Less Motor ............Net 23.50 Sanding Betts For Above
12 P $18510 \quad 50$ Grit, Heav
12 P 18528120 Grit, Heavy ... Net . 89 12 P 18528120 Grit, Medium Net . 89 12 P 18536220 Grit, Fine P


## Black \& Decker

 5" BENCH GRINDER Versatile bench grinder for every home workshop need. Sharpens knives, hatchets, lawn mower blades, chisels, drili bits, etc. Balanced viltiffed aluminum oxide grinding wheels glve smooth performance. $84 / 2^{\prime \prime}$ wide wheel spread permits side grinding of longer objects. Self-aligning oil-impregnated bearings. Includes: $1 / 2^{\prime \prime}$ wide $5^{\prime \prime}$ medlum grit and $5^{\prime \prime}$ coarse grit wheels, tool rests, guard covers, eye shields, rubber feet. 3400 rpm , 2.2 amps, 120 VAC . Shpg. wt., il lbs.

12 P68713W

- Orbital or Straight Line
- Positive Slide Switch

Versatile $1 / 2$ HP sander is both an orbital and straight tine sander. Push-pull switch instantly switches from orbital to straight line motion. Draws only 2.6 amps but delivers 4,000 orbits or 4,000 straight line strokes-per-minute. Double insulated for safety. Enclosed handle with a built-in front guide. For 117 VAC. 13 P 65402 Shpg. wt., $33 / 4 \mathrm{lbs}$.

Net 19.95

## 1/2 HP 2-WAY SANDER



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 nol-

# Selected Jig and Sabre Saws 

## Mathav? (5) COH



- With Rip and Circle Guide
- Adjustable Base

A rugged and extremely handy sabre saw for the home handyman, hobbyist, and carpenter. Crosscuts, rips, scrolls, notches and even makes its own starting hole! Easily cuts wood, plastic, and metal while clearing the cutting line with a stream of air for easy visibility. Complete with rip guide and angle cut adjustment, circle guide, and 3 blades. Powerful industrial rated motor develops $3 / 8$ MP and produces 3000 5/8" strokes per minute. Lifetime self-lubricating bearings. Capacity at $90^{\circ} \cdot 214^{\prime \prime}$, at $45^{\circ}-1 / / 6^{\prime \prime}$. For 115 VAC, 60 Hz .
13 P 36668 Shpg. wt., 5 lbs. ..Net 11.95

## Black \& Deaker. <br> Deluxe 2-Speed Jig Saw



- Shoe Tilts Up To $45^{\circ}$

Powerful 2-speed jig saw is the ideal companion for the home craftsman, carpenter, or hobbyist. High speed is ideal for cutting wood and compositions, and low speed for metal and plastics. Features a calibrated shoe that tilts for making bevel cuts up to $45^{\circ}$. $1 / 7 \mathrm{HP}$ motor is burnout protected and has a hardwood capacity of 1", and a softwood capacity of $11 / 2^{\prime \prime}$. High speed: 3000 SPM. Low speed: 2500 SPM. Includes one blade. For 120 VAC, 2.5 amps. UL Listed. Shpg. wt. 4t/4 lbs.
12 P68804

HEAYY-DUTY VARIABLE SPEED SABRE-JIG SAW


- Variable "Dial Control" Any Speed From 0-5200 SPM
- Cuts Thru Wood 6" Thick

Electronic total torque dial variable speed control lets you use this one tool for any cutting job. Cuts through $6^{\prime \prime}$ logs, $6 \times 6^{\prime \prime}$ lumber, metal pipe, masonite-practically any materiai. Makes its own starting hole. Low speed for steel and plastics, medium for non-ferrous metals, high for rip or crosscut. Bevel cuts to $45^{\circ}$. Features a 5 amp $1 / 2$ HP metor. With $5^{\circ} 3$-cond. cord. 5 assorted blades and rip guide with circle cutter For $120 \mathrm{VAC}, 25-60 \mathrm{~Hz}$. UL Ilisted. Wt., $61 / 4 \mathrm{lbs}$ 14 P 48059 ...................................Net 29.95

## Black \& Decker. <br> SHRUB and GRASS <br> EDGER/TRIMMERS

## (A) DOUBLE-EDGED 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 perfect control at any angle, Deep blade pockets grip and cut fuliage fast, elficiently. Adjustable 'Wrap-Around' handle for steady, accurate control, plus 'Sure-Grip' handle with convenient tingertip switch. Strong lightweight die-cast aluminum housing. Durable orange enamel finish. 3600 strokes per min., $120 \mathrm{VAC}, 60 \mathrm{~Hz} .2 .2$ amps. Shpg. wt., $61 / 2 \mathrm{lbs}$. 12 P 68721


## (B) CORDLESS ELECTRIC GRASS SHEAR

Model 8280 cordless electric grass shear combines long blade life and extended cutting capacity to trim grass around trees and flower beds, under fences, and even for light trimming of shrubs. Features a ball-and-channel blade mechanism which improves operating efficiency and maintains proper tension on cutting edges for a "scissor like" cut. Locking switch on handle and paddle-type trigger switch combine to protect against accidental starting. 6000 cuts per minute from the six blade edges. Includes nickel cadmium batteries and charger. Durable high impact plastic housing. Shpg. wt., $23 / 4 \mathrm{lbs}$. 12 P 68796
12 P 68788 Blade Sharpener for Above. Wt., 6 oz . .Net 1.89

## (C) DELUXE LAWN EDGER AND TRIMMER

Let Black and Decker's deluxe Model 8220 electric lawn edger and trimmer do all the hard work of edging and trimming for you! Sturdily made, it features two comfortable handies for sure control and large wheels for easy pushing. Pistol-grip On/Off trlgger switch. Trenches an edge up to $3 / 4^{\text {" }}$ wide on the first pass with its $1 / 2$ HP burnout protected motor. Has an $8^{\prime \prime}$ special winged blade that cuts with ease and keeps itself from clogging, and has a deflector for safer, cleaner operation. Easy-pull release knob allows you to convert from edging to trimming operation in a jiffy! Trim around flower beds, frees, fences, etc. without bending down-fast and flower beds, trees, fences. etc. without bend ing sown- $181 / 4 \mathrm{lbs}$.
easy. Motor speed: 8500 RPM. For 120 VAC, 6 amps . Wt., 181 easy. Motor speed: 8500 RPM. For 120 VAC, 6 amps. Wt., $181 / 41 \mathrm{lbs}$.
12 P 68770 W No Money Down* ................................... 34.99



## 71/4" BUILDER'S SAW

## - $13 / 4$ HP Burnout Protected Motor <br> - 5200 RPM No Load Speed 10 Amp Motor - Safety Switch Button

Model 574. Tackle the "big" jobs with this dependable 71/4" builders' saw. Reinforced die-cast housing that really stands up. Cuts $2 x$ $4^{\prime}$ 's with ease, at $45^{\circ}$ angle. Easy set bevel and depth adjustments. Sate non-binding blade guard with vari-torque safety clutch. Features safety switch-button must be depressed before saw can be started. Sawdust ejector keeps your work clean, lets you see what you are doing. $71 / /^{\prime \prime}$ combination blade and blade wrench. Powerful $13 / 4 \mathrm{HP}$ motar is designed to be trouble free. Cutting depth: $90^{\circ} 2 \% / 4.45^{\circ}$ $17 / 8^{\prime \prime}, 10 \mathrm{amps}$. Ut listed. 120 volts AC, 3 wire cord and plug. Shpg. wt., $111 / 2$ lbs. See rip fence below.
13.P 69263

Net 29.99
13 P 69123 Rip Fence .................................................................. 2.25
Carrying Case for Above Saw
13 P 69370 Shpg. wt., 5 $1 / 4$ lbs.
Net 11.95

## Black \& Decker.

## 711/4" CIRCULAR SAW

- Powerful 1 HP Burnout Protected Motor
- Cuts Through 2" Lumber

Powerful general-purpose saw handles the big jobs. Features a 1 HP , 4900 RPM burnout protected motor with a $71 / 4$ " blade that cuts through $2^{\prime \prime}$ lumber-even at $45^{\circ}$. Exclusive sawdust ejection system keeps sawdust away from cutting line for better visibility. Extra-wide blade guard allows a $61 / 2^{\prime \prime}$ blade to be used, if desired. Comes with $71 / 4^{\prime \prime}$ combination blade. Bevel and depth adjustments quickly and easily made. Cutting depth: $90^{\circ} 23 / \mathrm{s}^{\prime \prime}, 45^{\circ} 178^{\prime \prime}$. For $120 \mathrm{VAC}, 9$ amps. UL listed. Shpg. Wt., $137 / 8 \mathrm{lbs}$.
12P68812 ............................................................................. 19.99
19


## Black \& Decker

## 2-HP 8" RADIAL ARM SAW

- Performs All Woodworking Saw Cuts
- Cuts Full 27/8" Depth
- Powerful 2 HP Roller Bearing Motor

LEG STAND

Model 7700. Precision built for superb cutting accuracy . .. makes rip cuts, crosscuts, bevel and mitre cuts. Rolier head rides on ball bearings for accurate cutting every time. Anti-kickback lever hoids board to prevent chatter. Large ( $22^{\prime \prime} \times 32^{\prime \prime}$ ) warp resistant work table allows out-ripping with blade tocated 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 positive locking position for $0^{\circ}$ to $45^{\circ}$ bevel; $0^{\circ}$ and $45^{\circ}$ mitre, and $90^{\circ}$ ripping position. Maximum depth of cut $27 / \mathrm{s}^{\prime \prime}$; maximum depth of cut at $45^{\circ} 17 / \mathrm{a}^{\prime \prime}$; features mitre and bevel scates, rocker type, upfront on/off switch with key lock for added safety. Constructed of extra-strong one piece tubular steel column mounted directly to base for rigidity. $120 \mathrm{VAC} ; 2$ HP max.; 5200 RPM; 10 amps . $8^{\prime \prime}$ blade with leg stand. Shpg. wt., $881 / 4 \mathrm{lbs}$.
12 P 90022 WXM No Money Down*
Net 109.99
HEAYY-DUTY 10" ELECTRIC CHAN SAW

- Double Insulated For Greater Safety
- Built-in Oiler


Powerful and lightweight, the Skil $10^{\prime \prime}$ chain saw has a $2 \mathrm{HP}, 12$ amp. motor making it ideal for felling and trimming trees, cutting firewood, and home improvement projects, etc. Features a centrifugal clutch to prevent motor overloading, an easy-to-use chain tenslon adjustment, and a reversible cuiting bar. Double insulated and includes a safety swlich to prevent accidental starts. With manual built-in oiler. UL Listed. Shpg. wt., 11 lbs .

Model R-6024. 6" DADO HEAD SET. FLAT GROUND. (2 Blades, 4 Chippers $1 / 0^{\prime \prime} 1$ Chipper $1 / 10^{\prime \prime}$ ) 5/8" Bore. 12 P 68705 Shpg. wt., $31 / 4 \mathrm{lbs}$.

Net 22.99


## "ARCO-SAW" ATTACHMENT $g^{95}$ <br> with "DADO-ARBOR" To Cut Any Groove

Attaches to any $1 / 4$ and $3 / 8$ " drill in seconds! "Dado-Arbor" swiv. els sawblade to cut grooves up to $1 / 2 \mathrm{~W} \times 1$ "D. , in one cut; "Dado. Arbor" ${ }^{\text {" }}$ is easily removed for straight or angle cuts ...cuts $2 \times 4^{\prime}$ s in one cut with $5^{\prime \prime}$ blade. Graduated depth and bevel gages allow cuts up to $13 / 4{ }^{\prime \prime} \mathrm{D}_{\text {; }}$ bevels to $45^{\circ}$. Has adjustable rip gage and visual guide, self-lubricating bracket and clamp. Fully assembled with instructions.
14 P 14275 Shpg. wt., 3 los.
Net 9.95
14 P 14283 5" Hycarbon Combination Blade
Net 1.75

# UNIMAT Miniature Machine Shop 

The ALL-PURPOSE 5-in-1 METAL-MACHINING WORKSHOP

- Precision Metal-Working Lathe
- 11-Speed Ball-Bearing Spindle, Accurate to $1 / 2$ Thousandths
- Turn, Mill, Bore, Saw, Buff, Sand, Polish, Grind-Steel,Aluminum,Brass, Plastic or Wood

SPECIFICATIONS: Complete $5-\mathrm{in}-1$ machine shop small enough to use on a radio serviceman's bench. Designed as a multj-functional power tool. Converts from horlzontal lathe to vertical drill press. The changeover causes no wear or loss of accuracy in precision fit parts. The motor-headstock detaches for use as a portable hand drill, power grinder or buffer. Extra attachments available include a very accurate circular saw, saber and jig saw, flexible shaft, lathe bed power feed, threading attachment, precision collets and cutting tools. Beit drive provides 11 speeds ranging from 900 to $7,200 \mathrm{RPM}$. Motor can also be controlled by theostat foot switch or SCR power supply.


Includes 1/10 HP Brush Type fan cooled motor, drill press arm, column and hand lever, face plate, lathe dog, grindstone arbor, tool post, 2 dead centers, Allen wrench and a spindle return spring. $171 / 2 \times 101 / 2 \times 53 / 4$ " wood chest. 40 -pare manual, for 115 V AC/DC operation. Imported. Shpg. wt., 25 lbs.
14 P $10141 w$
Net 169.50

## UNIMAT ATTACHMENTS AND ACCESSORIES

Model DB-1001 3 jaw universal lathe chuck with reversing jaws, key and back plate. Shpg. wt., 1 lb.
14 P10133
Net 29.95
Model DB-1002, 4olaw 4ndependent lathe chuck. All 4 jaws reverse and adjust Individually. Capacity $21 / 4{ }^{*}$. Shpg. wt., 1 lb . 14 P 10075 No Money Down* Model DB-1005. 1/4" lacobs type drill chuck and key. 14 P 10158 Shpg. wt., 8 oz.

Net 32.95 . 10.95 Mode DB-1220 Miling Table: $5^{*} \times 3^{-}$with clamps. Shpg. wt., $21 / 4$ lbs.

14 P 10026
Model DB. 1010 Machine Vise: jaws open 11/8". Mounts op mill table. Shpr. wt., 1 lb .
14 P 10034
Net 17.95

Model DB-2820: Set of 6 Lathe Tool Bits.
14 P. 10059
Net 17.95
Model DB- 2860 Tool Kit: 2 tool bits, 4 drills, 2 grind wheels, 2 milling cutters, center drill and countersink bits, 2 chisels, boxed. 14 P 10042 Shpg. Wt., 1 ib.

Net 24.95
Model D8-1290 Power Feed Attach: 1:50 reduction, feeds . $0008^{\text {¹ }}$ per revolution, Shpg. wt., $43 / 4 \mathrm{lbs}$.
14 P 10067 No Money Down*
Net 37.50
Model DB-1080 Hg Saw Attach. Cuts to center of $16^{\prime \prime}$ circle. 12 blades incl. Shpg. wt., 5 tbs.
14 P 10117 No Money Down*
Net 34.95


- Writes On Metal-Wood-Plastic

Handy, useful . . . mark, identify and engrave names, design decorator effects on Juggage tags, toys, sporting goods, tools and kitchenware. Automatic with bulit 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 $7 \times 3 \times 2^{\prime \prime} .110$ VAC $50 / 60 \mathrm{~Hz}$ motor. 13 P 80542 Shpg. wt., 10 oz. ... Net 6.50


A home shop tool that will excite the interest of every home craftsman! Powerful, 3 -speed motor provides plenty of drive for every operation... unit changes for any purpose in just seconds. Complete with wood turning chisel, sanding discs, sanding drum discs, 3 sabre saw blades, $45^{\circ}$ adjustable sanding table. Entire unlt is mounted on wooden base for easy portability and stability, Lathe has $18^{\prime \prime}$ bed, $4^{\prime \prime}$ throat, can be used for spindle or face plate turning. 115 volt, approximately $1 / 3$ h.p. motor, $A C$ only. Output speeds 3,700 , 3,300 and $3,100 \mathrm{ppm}$. With illustrated instruction booklet. Mounted on $32^{\prime \prime} \times 6^{\circ}$ board. Shpg. wt., $171 / 2 \mathrm{lbs}$.
13 P 36502 W No Money Down*
Net 31.35

## 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 delivers 7,200 strokes a minute with a calibrated adjustment that regulates the depth of engraving from fine lines to deep marks. Engrave steel, brass, aluminum, copper, silver, plastic, ceramic, glass, pewter. Identify dies and molds, shop and garden tools, production parts, sporting goods, camera equipment jewelry, etc. Minimize Inventory mixups, theft, and loss, Complete with solld carbide engraving point.
14 P 43142 Shpg. wt., $11 / 2 \mathrm{lbs}$. Net 12.95

BURGESS VIBRO-TOOL KIT - Versatile Multi-purpose Tool
Files-Saws-CleansCarves De-burrs-Engraves-Cuts Grooves - Complete With 8 Accessories
 Performs many operations on nearly any kind of material with its accessorles. Features motor control switch plus dial setting for engraving depth. Heavy-duty 2 -speed motor delfvers 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 chisel $1 / 2$ inch tool, half round chisel $1 / \mathrm{s}^{\prime \prime}$, V-shape chisel, flat edge chisel and abrasive point. Shpg, wt., $21 / 4 \mathrm{lbs}$.
13 P 80575
Net 19.95

## Hobby-Tool Kits



## DREMEL MOTO-TOOL KITS

- Grinds-Polishes-Engraves-Sands-Drills
- Precision High-Speed Steel Cutters and Wheel Points
Model 261-Kit. Rugged, compact macrine shop with an assortment of fine acces-
sorles in a molded polyethylene case. $30,000 \mathrm{rpm}$ for peak performance with small,
abrasive wheel points and both high-speed and carbide cutters. Kit contains; No.
260 Moto-Tool with high speed steel cutters, grinding wheets, wire and bristle
brushes, rubber polishing tip, sanding discs, drum sander and sanding bands, man-

> collefs. 117 VAC, 5 amp motor. UL listed. Shpg. wt., 23 ${ }^{3}$ Ibs.
> 14 P 43043 No Money Down*
> Net 31.95
> Model 271-Heavy Duty Moto-Tool Kit. Similar to above but with heavy duty .8 amp . No. 270 Moto-Tool. Shpg. wt., 3 lbs.
> 14 P 43050 No Money Down*
> Net 36.95
> Model 281 -Deluxe heavy-duty Moto-Taol Kit. Similar to Model 271 except with balt bearings and .9 amp motor. Shpg. wt., 3 tbs.
> 14 P 43225 No Money Down*
> Net 46.95

FLEXIBLE SHAFT ATTACHMENT


Operates off any fixed or portable power drill; enables you to drill at any angle any. where. Capacity up to $1 / 4^{*}$ stze drills; $36^{*}$ overall length, with chuck. Operates on speeds up to 6000 rpm . Imported. Wt., $11 / 4$ los.
13 P 56112
Coupler to use with motor below. 32 P 64124

Net 3.29
Net 30

## HOBBY MOTOR

For motorizing hobby tools, dental and jewelers lathes sewing machines. $1 / 15 \mathrm{~h} . \mathrm{p}$. motor - 5000 RPM full load and 15,000 RPM no load speed. CCW rotation facing shaft end. Steel housing- $31 / 2{ }^{\prime \prime}$ long, less shaft, $x$ $21 / 4 " \mathrm{H} \times 23 / 4$ "W. Two tapped 10.32 mount. ing holes on $2 \%^{\prime \prime}$ centers, $1 / 4^{\circ \prime}$ shaft, $3 / 4^{\prime \prime}$ long. Fan cooled, permanent oillte bearings, and external brush openings. $12^{\prime \prime}$ cord lead. For 117 V AC or DC. Shpg. wt., 2 tbs. 19 P 24109

## 8-PC. BRUSH AND STONE SET



8 -assorted pieces mounted on $1 / /^{\prime \prime}$ or $K_{2}{ }^{\prime \prime}$ shanks. Consists of 3 mounted grinding stones, 2 bristle brushes, 2 wire wheels, and 1 steel bun. ldeal for hobby tools. in handy plastic box. Shpg. wt. 402.
13 P 50024
Net 2.29

## VARIABLE SPEED FOOT CONTROL



Regulate the speed of the motor in your sewing machine, hobby tool, etc. Handles up to 110 watts. 10 ft . cord with 2 way outlet for motor and light. 1 amp . Shpg. wt., $21 / 4$ los.
12 P 54010
Net 3.95

## DREMEL MOTO-TOOL ACCESSORIES

(A) Model 223 Universal Stand, Leaves both hands free for holding the work. Adjusts to hold Moto-Tool at any angle. Quick action clamp for receiving and releasing MotoTool. Heavy cast iron base.
14 P 43092 Shpg. wt., 31/4 lbs. Net 7.95 (B)-Model 229 Router Attachment. Easily mounted on Moto-Tool. Has calibrated depth contrel adjustment for precision routing and shaping. Removable edge guide for free hand and surface routing. Instruction included. Shpg, wt., $1 / 2 \mathrm{lbs}$. 14 P43159

Net 9.50
high speen steel router bits No. $8501 / 8^{\prime \prime}$ Straight Cutter Bit 14 P 43167 Shpg, wt., 3 oz. No. $6523 / 16^{\prime \prime}$ Straight Cutter Bit 14 P 43175 shpg. wt., 3 oz. No. $6541 / 4^{\mu}$. Straight Cutter Bit 14 P 43183 Shpg. wt., 3 or.
No, 610 Convex Edger For Beading Net 2.99 14 P 43191 Shpg. wt., 3 oz. No. 632 Veining Bit for LIne Work 14 P 43209 shpge wt., 3 oz. Net299 No. 640 " 14 " Grooving Bit For Lettering 14 P 43217 Shpg. wt., 3 oz, .... Net 2.99


## 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, $1 / 8^{\prime \prime}$ and $/ 3_{3}{ }^{\prime \prime}$ shanks, in handy plastic box. Ideal for hobby tools. Shipg. wt. 3 oz. 13 P 50032

Net 2.49

## 6-PC. MOUNTED STONE SET

$1 / d_{1} b^{0 \times}$Six assorted grinding stones and wheels. Set of mounted grinding points, stones, and wheels. Mounted on $1 / 8^{\prime \prime}$ and $3 / 32^{\prime \prime}$ shafts. An ideal accessory for hobby tools. Shpg. Wt. 502.

13 P 50016
Net 1.95


## Waldom Solderless Terminals and Connectors

SOLDERLESS TERMINALS. CONNECTOR ASSORTMENT WITH CRIMPING TOOLS


NON-INSULATE TYPE TERMINAL ASSORTMENT, Contains 215 ring, spade, flanged spade, hook, quick disconnect terminals and buft connectors in wire ranges 22-18 through 12-10, plus Universal Crimping Tool in plastic box. Shpg. wt, $23 / 4 \mathrm{lbs}$.
13 P43011
Net 12.65
insulated type terminal assortment. Contalns 138 ring, spade, flanged spade, quick disconnect terminals and butt and closed-end connectors in wire ranges from 22-18 through 12-10, plus Universal Crimping Tool in plastic box. Shpg. wt., $2^{1 / 2} 16$ los.
13 P 43029 ......................... Net 14.35

Highest quality terminals made of pure copper, electrotin plated Insulated types have dermanentiy attached rigid vinyl sleeves. Crimp on rapidiy and make positive, unfformly reliable connections. Columin headed "type"; ST is Spade Tongue; KT Is Hook Tongue; FS is Flanged Spade; RT is Ring Tongue; BC is Butt Conaector (length of noninsulated $\mathrm{K}_{0}^{\prime \prime}$. Insulated 'K."): QDM Is Quick Disconnect Male; QDF is Quick Oisconnect Female; Ni is Nylon Insulated Closed End Connector. Avg. shpg. wt., 10 oz .


| Type | $\begin{aligned} & \text { Wire } \\ & \text { Fig, Range } \end{aligned}$ | $\begin{aligned} & \text { Stud } \\ & \text { size } \end{aligned}$ |  | N-INSULAT TYPES Stock No. | $\mathrm{N}=1$ | Ofv. | $\begin{aligned} & \text { INSULATED } \\ & \text { TYPES } \\ & \text { Stoch No. } \end{aligned}$ | Net | Flg. 1 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ST | A 22-18 | 5.6 | 40 | 13 P73604 | 109 | 18 | 13 P 73794 | 1.09 |  |  |
| ST | A - | 8 | 40 | 13 P 73612 | 1.09 | 18 | 13 P 73802 | 1.09 |  |  |
| ST | A - | 10 | 40 | 13 P 73620 | 1.09 | 18 | 13 P 73010 | 1.09 |  |  |
| ST | A 16-14 | 5-6 |  | 13 P 73638 | 1.05 | 18 | 13 P 73828 | 1.09 |  |  |
| ST | A 16-14 | 8 |  | 13 P 73646 | 1.95 | 18 | 13 P 73836 | 1.09 |  |  |
| ST | A 16.14 | 10 | 40 | 13 P 73653 | 1.05 | 18 | 13 P 73844 | 1.09 |  |  |
| HT | 22-18 | 5-6 |  | 13 P 73661 | 1.09 | 18 | 13 P 73851 | 1.09 |  |  |
| FS | 22-18 | 5-6 | 40 | 13 P 73679 | 1.09 | 18 | 13 P 73869 | 1.09 |  |  |
| Fs | C 16-14 | $5 \cdot 6$ | 40 | 13 P 73687 | 1.39 | 18 | 13 P 73950 | 1.05 |  |  |
| RT | B 22-18 | 5.6 | 40 | 13 P 73695 | 1.08 | 18 | 13 P 73877 | 1.09 |  |  |
| RT | D 22-18 | 8 |  | 13 P 73703 | 1.109 | 18 | 13 P 73893 | 1.09 |  |  |
| RT | D. 22-18 | 10 |  | 13 P 73711 | 1.09 | 18 | 13 P 73885 | 1.09 |  |  |
| RT | D- 16-14 | 5.6 |  | 13 P 73729 | 1.09 | 18 | 13 P 73901 | 1.09 |  |  |
| RT | D 16.14 | 10 |  | 13 P 73737 | 1.09 | 18 | 13 P 73919 | 1.09 |  |  |
| RT | D 12-10 | 10 |  | 13 P 73745 | 1.09 | 16 | 13 P 73935 | 1.09 |  |  |
| ${ }_{8 C}$ | E 22.18 |  |  | 13 P 73752 | 1.05 | 10 | 13 P 739227 | 1.09 |  |  |
| BC | E 16-14 |  | 40 | 13 P 73760 |  | 16 | 13 P 73943 | 1.09 |  |  |

QD F 18-141/4" Male 4013 P 737781.09 10 13 P 739681.09 NE. F FIE. F QD F 18.141/4" Female 40 13 P 73786 1.es 16 13 P 739921.09 NI G 22-14 O.D. Ki", I.D. $\mathrm{V}_{4}{ }^{\prime \prime}$, Lgth. ${ }^{3} \mathrm{~K}_{4}^{\prime \prime} \quad 2013 \mathrm{P} 739761.09$ Male Female


| Stoch No. | Slize | aty. | Met |
| :---: | :---: | :---: | :---: |
| 13 P 43912 | 1/8" | 25 | . 59 |
| 13 P. 43920 | \%0" | 20 | 59 |
| 13 P 43938 | $1 / 4{ }^{\prime \prime}$ | 18 | . 59 |
| 13 P 43945 | \%*" | 15 | . 50 |
| 13 P 43953 | \%" | 15 | . 59 |
| 13 P 43961 | $1 / 2{ }^{\prime \prime}$ | 10 | . 89 |
| 13 P 43979 | 5** | 4 | . 59 |

—FIg. 2-3-Selder Luts-Hot Tin Dippedstock No. Fig. Sire Mole Oty. Net 13 P 43987 13 P 43995 13 P 43417 13 P 43425
Fig.
$\qquad$ 1s K Knb Set Screws
stock No.
13 P 42518 Assortment


## WALDOM HARDWARE KITS

 195SELF-TAPPING SMEET METAL KIT
Contains balanced assortment of plated selftapping, slotted hex head sheet metal screws
 $\times 3 / 4{ }^{\prime \prime} \times 8 \times 1 / 4^{\prime \prime}, 48 \times 3 / 40,4 \times 1 / 2^{\prime \prime}$, and * $8 \times 5$ "". Total of 165 pleces in handy compartmented plasilc box with hinged cover 13 P 73180 Shpg. wt., th Ib. ... Net 1.95

- Mi 5-Metal Washers, Mickel Platedstock No
aty. Wet 13 P 42534 Assortment

Fig. $6-{ }^{\circ} C^{\prime 0}$ Washers

## Stock Mo.

100
aty. Ne
13 P 42583 Assortment
35 . 59 FIs. 7-Extruded Fibre Washers Stock Mo.
aty. Net
13 P 42609 Assortment
40

| Steck No. | Sire | Qty. | Het |
| :---: | :---: | :---: | :---: |
| 13 P 42625 | Assorted Large | 15 | 59 |
| 13 P 42633 | Assorted small | 15 | . 58 |
| ————Fle. 9-Rubter Feet |  |  |  |
| Steck Ne. | Size | aty. | Mat |
| 13 P 42674 | $3 /{ }^{\prime \prime}$ 0.D. | 10 | . 59 |
| 13 P 42682 | 51800.0 | 10 | . 39 |

MACHINE SCREWS, NUTS AND SHEET METAL SCREW KIT
Packet as above. Contains round-head steel plated machine screws in sires: $4-40 \times 1 / 2$ $6 / 32 \times 1 / 4,6 / 32 \times 3 / 4,8 / 32 \times 1 / 2$, sheet metal screws, \#6 $\times 1 / 2$ and assortment of nuts. Total of 265 pieces. Shps. Wt. $3 / 4 \mathrm{lb}$. 13 P 73208

Net 1.95
BINDER MEAD ASST.
Same as above but machine screws have binder heads
13 P 73216 Shpg. wt., 7/4 ib, ... Net 1.95
WOOD SCREW MIT
In same handy box. Contalns assortment of 131 round head and flat head plated wood screws in 8 sizes for \#4, 6 and 8 holes. 13 P 73224 Shpg. wt., $3 / 4 \mathrm{lb}$.... Net 1.95


## 1-Ib. MIXED HARDWARE ASSORTMENT

## - In Handy Sturdy Plastic Box

 An excellent assortment of popular hardware Items for serviceman, hobbylst, or any homeowner. Provides the parts for an unlimited number of repair jobs. Packaged in a handy plastic box.13 P 61245 Shpg. wt., $13 / 4$ lbs. .......................Net 1.39

## Waldom CRIMPING TOOL WITH BOLT CUTTER



- Crimps Insulated and Non-Insulated Terminals
- Cuts and Strips Wire, and Cuts Bolts

Make connections fast without soldering Cuts and strips wire 22 to 10 gauge. Wire cutter at tip for close work. Crlmps both insulated and non-Insulated terminals. Bolt slicer accommodates 6 sizes of bolts, 4-40, 5-40, 6-32, 8-32, 10-32 and 10-24. Black oxide finish for beauty and durablilty. In sulated handles.
13 P 44001 Shpg, wt., $3 / 4 \mathrm{Ib} . . .$. Net 5.25

## CRIMPING TOOLS AND TERMINALS



- Wire Cutter, Wire Stripper - Includes Assortment of Terminals Solderless terminal crimp tool cuts any size wire up to 10 gauge, strlp wire easily. Crtmps terminals quickly. Easy to use with insulated handles. With assorted solderless terminals and connectors, imported.
13 P 70006 Shpg, wt., 7/4 Ib. .. Net 2.49


## PRECISION OILER

## $99^{c}$

$0 \rightarrow 5$

Instrument for precision oiling. Spout is only $.003^{\prime \prime}$ dis. Made of stalnless steel and butyrate. Filled with clear, non-statining machine oli. Can be refilled. Hypo action prevents messy, harmful over olling.
14 P 83106 Shpg, wt., $3 \mathrm{oz} . . .$. Net .09



A handy all-purpose kit in a convenient vinyl pouch. Kit contalns 6 basic essential tools from $41 / 4^{\prime \prime}$ to $7^{\prime \prime} \mathrm{L}$, with 12 serviceable sides that will service the majority of TV sets. FM, AM CB. HAM instruments, etc. Shpg. wt., 402. 12 P 30028

## LOCNING FORCEPS



All 3 tainless steal $5 \nmid 2^{* \prime \prime}$ long. They have unusual holding qualities necessary in many servicing situations. Shpg. wt., 4 oz .
14 P 23011 Straight Nose ........Net 3.19
14 P 23029 Curved Nose ...........Net 3.19

## SEVEN PIECE LUBRICANT KIT

FOR HOME AND SHOP


Seven different lubricants in a colorful kit for home and shop. Kit stands or hangs. The right lubricant for every job. White Grease-All-Purpose Oll-Graphite Powder -Dry White Lubricant-Liquid GraphitePenetrating oil-Silicone Grease Stick. Shpg. wt., 1 lb .
13 P 37500
Net 2.39

G.C. "Quick-Rig" makes radio repair work quick and easy. Complete $360^{\circ}$ rotation permits you to lock the chassis at the best working angle, clamps chassis securely and eliminates make shift setups. All metal, sturdy construction. Adjustable width for different sizes of turntables, etc. Shpg. Wt.. 41/4 los.

0 ..

## \section*{3 P 60890} <br> ILLUMINATED MIRROR

Battery powered, Inspecting tool with in. sulated shaft. Locking switch for on-off and one-hand operation. With bulb but less batteries. $121 / 4$ " long. Shpg, wt.. 502. 13 P 60825 ................................Net 2.50 Batteries for above. (2 Required.) 99 P 62580

Net ea. . 10
INSPECTION
MIRROR MIRROR
Made of metal shaft with 1 " dia. glass mirror and plastic handle. Length $7 \% \mathrm{~s}^{\prime \prime}$. Shpg. wt., 3 oz.
13 P 60148
Net .50

5

## CHEMICALS

## As Low As OC

Pilobond Cement. Sticks anvthine to any thing. Dries rapidly -
waterproof-very high strength. Shpg. wi., 702.

13 P 609732 ozs.
Net 60 Red-X Corona Oope. Prevents corona shorts In Hi-Voltage circuits. Flexible-fast drving. 13 P 609812 oz. Shpg, wt., 7 oz. Net . 85 Electronic Contact Cleaner. New red cleaner, made with DE-0X-10. Fast drying-universal contact cleaner. Shpg, wt., 7 oz .
13 P61013 2 oz.
. Net 65 Service Cement. For repairing speakers and general radio work. Vibration-proof, water-proof-fast trying.


Dry in minutes, goes on clearstays clear, tough, pliable, lasting. Prevents deterioration and moisture breakdown of insulation. Preserves and protects. 1 Pint Can. Shpg. wt., $11 / 2 \mathrm{lbs}$.
$\begin{array}{lll}13 \mathrm{P} & 14673 & \text { Net } 1.69 \\ \text { Lots of } 3 & 1.49 \text { ea. }\end{array}$

## ECCOBOND 26 EPOXY ADHESIVE



- Sticks

Anything
to
Anything
Handiest bonding agent ever for the lab bench or production Ilne. Repairs tools, hardware, furniture. boats. Features permanent adhesion to metals, plastics, paper, ceramics, etc. Cures in four hours at room temperature-in minutes at 150 F . Can be sanded or worked-takes paint readily. White color. Mixes easily. Shpg. wt., 8 ozs.
14 P 51053
Net 1.95

## CORO STRAIN RELIEFS



Has mechanical fingers that will pick-up and hold screws, nuts, and bolts. Just press button to open, release button to close. Flexible shaft. Shpe wt., 7 oz .
13 P 5555 :
Net .99
Make Lafayette Your One Dependable Source for Everything in Electronics

## Ungar



## PRINCESS MINIATURE SOLDERING IRON KITS

－Featherweight only 30 oz．
－Operates on 120 Volts $A C / D C$
－Complete with 10 Watt Capsule， 3 Copper Tips

## （B）


heat capsules
For use with Princess miniature soldering frons．Heat ranges from $400^{\circ} \mathrm{F}$（ 6 watts）to $1000^{\circ}$ F（ 18 watts）．Shpg，wt．， 3 oz

| Stock NO． | Model | Tp 7 emperature | Watts |
| :---: | :---: | :---: | :---: |
| 13 P 21934 | 6910 | $550^{\circ}$ of to $650^{\circ} \mathrm{F}$ | 10 |
| 13 P 21892 | 6915 | $700^{\circ} \mathrm{F}$ to $800^{\circ} \mathrm{F}$ | 15 |
| 13 P 21942 | 6918 | $900^{\circ} \mathrm{F}$ to $1000^{\circ} \mathrm{F}$ | 18 |
| Net each |  |  |  |
| 1.9 |  | 0.49 | 50.4 P |
| 5.11 |  | 4.44 | 3.93 |

REPLACEMENT TIPS
See Facing Page For Listing Under Tiplets And Minitips．FPL－300 And 300 Serles Will Fit Princess Heat Capsules．

## SOLDERING IRON

 HOLDERAttaches easily to top or undersid of bench，or to wall．Angle adiusts to your con－ venlence．Shpg．Wi．， 1002.

13 P 21157 \＃6800 For Imperial Line 13 P 21165 \＃8000 For Standard Line | Net | 1.9 | $10-49$ | 50 up |
| :--- | ---: | ---: | ---: |
| Each | 2.35 | 1.90 | 1.76 |


－Ideal where 3－Wire Grounding Is Required
Model 145．Compact，lightwelght 3 －wire soldering iron is perfect for use by elec－ tronic assembiers，repairmen，hobbyists． 3 －prong plug grounds soldering tip，virtual－ Iy ellminates static which may damage sen－ sitive FET＇s，IC＇s etc．Can be used with more than $40-K_{1}{ }^{\prime \prime}$ ， $1 / 8^{\prime \prime}$ thread－in，and $1 / 4^{\prime \prime}$ thread on tips，tiplets，nibs and de－soldering tips．Integrated cool grip handle has roll． proof octagonal grip．Flexible power cord． Meets milltary，NASA，and other government contractor standards．Tip temp． $900-1,000^{\circ}$ F．， 120 V AC．， 45 watts．Less tip．Shpg． wt．， 1 lb ．

| Steck No． | 1.9 | $10-49$ | 50 up |
| :--- | :--- | :--- | :--- |
| $13 P 20060$ |  |  |  |

3 P 20860 …．．．．Net 5.594 .954 .44
For tips．See facing page．Use with Tiplets and Minitips \＃PL－100 and 300 series will fit．

## SPYRALINE SOLDER



## － $60 \%$ TIN－ $40 \%$ LEAD

11 ft．of high quality， $1 / 0^{*} 60 / 40$ activated resin core solder in handy dispenser．Con－ tainer is non－flammable－affords insulation when working on a＂hot＂circuit．Eliminates waste－pull out only what you need．Keeps solder clean and unsnarled．Shpg，wt．， 402. 14 P 39058 Singly，Ea． 79

Sis or 3.65 ea． SPYRALINE PRIMTED CIRCUIT BOUCH UP
SOLOER designed for a fast bond without overheating．Melting range of $240^{\circ} \cdot 320^{\circ} \mathrm{F}$ ； or low wattage soldering iron．Safe for or low wattage soldering iron．Sate for silver，ceramics and transistors．Shpg．wt．， 4 oz．
14 P 39066 Net ea．． 89 Lots of 3.79 ea． PRINT．KOTE SOLDER．Non－corrosive flux with low melting solder combined with pure silver． 402 ．coil．Shpg．wt．， $40 z$. 13 P 60098 GC 9131

Net 70
5－core construction assures constant maximum flux．Fast melting，non－corrosive，non－ sticky，non－toxic．1－1b．packs in carton and skin wrap for utmost protection，non－oxi－ dation．Shpg．wt．，it it spools 11／2 bs．
$40 \%$ TIN， $60 \%$ LEAD \＃ 16 GAUGE 14 P 350151 lb．spool $60 \%$ TIM $40 \%$ LEAD 出 16 GAUGE 14\％ 35031 I ib．spool 14P 35031 I Ib． $5 p 001$
$60 \%$ TIM $40 \%$ LEAD， 18 $60 \%$ TIN， $40 \%$ LEAD，若 18 GAUGE
14 P 35056 I Ib．SpOOI ISPENSER 1．．．．．．Net 3.81保 ubes． $60 \%$ in， $40 \%$ Lead．Shpg，wt．， 402. 14 P 3507218 gauge， 14 Ft．．．．．Net 69 Extra Thin 22 Gauge， 21 Ft．
14 P 35080

Net 2.99
Net 3.74
 aluminum

Net .69

## SOLDER AND FLUX <br> Available For： <br> Silver Aluminum Stainless Steel

Solder and flux kit．Sliver solder $\mathrm{K}_{2}{ }^{\prime \prime}$ dia．， $60^{\prime \prime}$ coll．Aluminum and stainiess steel tha dfa． $100^{\prime \prime}$ coil．Shpg．wt．， 4 oz.
14 • 39074 Silver
14 P 39082 Aluminum ．．．．．．．．．．．．．．．Net 1.35
14 P 39090 Stainless Steel ．．．．．Net 1.35

## BEAU－TECH SOLDERING AIDS



Hard－chrome plated tips to shed solder with both ends insulated from one another．Spade end for scraping joints，connections or ream－ ing out lug holes．Shpg．wt．， 3 oz.
Stock No．
Net ex．
14 P 24019 Printed Circuit－Straight Tip 1.05 14 P 24027 Printed Circuit－Angled Tip 1.05 14 P 24035 Printed CIrcuit－Scraper Tip 1.05 14 P 24043 Straight Mp 14 P 24050 Angled Tip

## G．C．SERVICE TWEEZERS

（a）


Made of polished nickel－plated spring steel． Self－Closing Type． $61 / 2{ }^{\prime \prime}$ long，with blunt points．Shpg．wt．， 3 oz．
13 P 60858 （A）
Net .99 Heavy－Duty Type． $61 / 2^{\prime \prime}$ long，with slide lock and blunt points．

Net 1.10
13 P 60866 （B）
Precision Type． $4 \frac{1}{2 \prime}$ L．Pointed．
Precision Type． $4^{1 / 3}$
Net .75
All 3 above In leatherette case． 13 P 60882

Net 2.95

## ＂SAL－MET＂FLUX

Non－corrosive flux for all metals－copper to aluminum；aluminum to aluminum，copper to steel，etc．Packed in 1 02．tubes．Shpg．wt．， 307.

14 P 49016

## Standard Line Soldering Tools

777 CLEAN. ROOM SOLDERING HANDLE

## $2^{07}$

- Fatigue-free, Pastel Colored
- Convection Cooled Polypropylene Grip
777 pencil-type irons sport a cool-to-hold grip! Spring sockets accept a wide range of thread-in elements, tips and tiplets, give you the right tip and the right temperature. For exacting work on miniature, sub-miniature and printed circults. Full length Insulated cord. UL listed. $5^{\prime \prime}$ long. Shpg. wt., 6 oz .


For use interchangeably with any tiplet ex. cept * for 800 and $t$ for 100 series only tron base, silver plated, Av. shpg. wt., 4 oz. For $120 \mathrm{~V}, \mathrm{AC}-\mathrm{DC}$.



- Interchangeable Tips \& Heating Units
- Complete with Handie,
$42 \mathrm{~W}, 120 \mathrm{~V}$. Heating Unit, 3 Tips,

Worthy soldering package for electronic assembly and service, features perfect balance handle with "Clean-Cool" grip. \#1237 heating unit. 3 interchangeable thread-on-copper tips. UL listed. Shpg. wt., 10 oz.
13 P 21900
1-5, Net each 6.13
6-up 5.04

## TIPLETS and MINI-TIPS



Thread-in and thread-on soldering tips. Made of super tough copper alloy. The PL series is iron clad and silver plated. Others are unplated. The 100 series Mini.Tips, $3 / 4 \mathrm{Lx} 1 / \mathrm{s}^{\prime \prime}$ O.D., are used with 1237 and 4037 units only. The 300 series tiplets. $1 \mathrm{Lx1/8}^{\prime \prime} 0.0$., are used with heating units $535,1235,4035$ and with the Princess soldering irons. The 800 series Tiplets, $\mathcal{K}_{0}{ }^{\prime 0} 0$. . for high heat transfer, are used with the 4045 unit. 833 and $8341 \% / 6^{\prime \prime} \mathrm{L}$, 823 and 824 are 1"L. Avg. Shpg. wt., 3 oz .


## ELEMENT UNITS with TIPS



4000 Series, Super Mi-Heat. $900^{\circ}-1000^{\circ} \mathrm{F}$ tip temperature. 50 watts for heavy duty use. Tellurium copper base, plated with iron and pure silver. for $120 \mathrm{~V}, \mathrm{AC}-0 \mathrm{C}$. Av. Shpg. wt, 402.

|  |  | Net Each |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stock |  | $1-$ | $10-$ | $50-$ |  |
| No. Type Descrip. Fig. | 9 | 49 | up |  |  |

13 P $2146240331 / 4^{\prime \prime}$ Chisel J 3.753 .082 .81 13 P 214704036 Pyramid K 3.753 .082 .81 13 P 214884039 3/8" Chise! L 3.753 .082 .81
1200 Series, Hi-Meat. $750^{\circ}-800^{\circ}$ f tip temperature. 42 watts for medium duty use. Silver plated solid Armco pure iron. ©Copper tip for $120 \mathrm{~V}, \mathrm{AC}-0 \mathrm{C}$. Av. shpg. wt., 4 oz .

13 P $214961233^{\circ} 1 / 4^{\prime \prime}$ Chisel J 2.582 .121 .94 13 P 215041236 Pyramid K $2.58 \quad 2.12 \quad 1.94$ 13 P 215121239 3/8"Chisel L 2.582 .121 .94
800 Series, Standard. $650^{\circ}-750^{\circ} \mathrm{F}$ tip temperature. 27 watts for general purpose use. Tellurium copper tip. For $120 \mathrm{~V}, \mathrm{AC}-0 \mathrm{C}$. AV. shipg. wt., 4 oz.



Model 6760 Solid state soldering gun with easy-to-set dual heat control for fast $500^{\circ}$ or $900^{\circ}$ heat at the flick of a switch. No changing elements necessary. Designed for solid state kit construction, serfatigue and get in the way. Electrically isolated tip formsafe, damagefree soldering of IC's and FET's. With pyramid tip. Rated 220 watts 120 VAC. Grounded cord set. UL listed. Shpg. wi., $1 \mathrm{H} / 4 \mathrm{lbs}$.

## Ungar

HOT-VAC DE- SOLDERING TOOL

### 14.25

- One-hand Operation
- Hot-Vac Melts, Removes Solder
- De-solders, Cleans Printed Circuits

Vacuum action lifts solder from board for easy removal of components. Special tip coating prevents solder from sticking. Handle stays cool wh

| Stock No. |  | 1.5 | 6-11 | 12-Up |
| :---: | :---: | :---: | :---: | :---: |
| 13 P21850 | Net ea. | 14.25 | 11.71 | 10.68 |
| 13 P 21959 | Replacement tip | for above | 1.7 | 1.30 |



## UNGAR KLEEN TIP \#400

Effective for removing oxidation and cleanling soldering tips. Clean tips last twice as long! With phenolic tray, two specially processed sponges and bracket for attaching 13 P 21819

Net 1.35
Refill sponge for above.
13 P 21975
13 P 21975


## (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. Compact design and built-in pref focused spollight eliminates maneuvering difficulties. Break-proof plastic utility case can be used to hold other difriculties. Releak-Weller Expert soldering kit features the 8200 gun parts or tois. Welier Expert assures constant heat. Dual heat tea. lure gives choice of 100 or 140 watts with the puli of the trigger. Accessories include 3 durable soldering tips, tip changing wrench, nylon filux brush, soldering aid to faciilitate difificult connections and all purpose solder. All the teems you need for firss-class solder conan purpose solder. A in a high impact plastic case. UL listed. 13 P 39159 Shpg. wt., 3 lbs .

Net ea. 9.30 Lots of 3

Net ea. 7.95

## B 100/140 WATT DUAL-HEAT GUN

Model 8200 . Dual heat solder gun only, featured in above kit. Includes tip, Instruction book. 120 VAC 60 Hz . UL listed. 13 P 39142 Shpg. wt., 274 lbs.

Net ea, 7.65 Lots of 3

Net ea. 6.60

## PROFESSIONAL SOLDERING IRONS



Professional lightweight soldering Iron designed for miniature soldering. kit building and production work. Extremely rugged stainless steel barrel construction. Long life industrial grade double coated tips. High efficiency. Popular pencil styling. Only $7^{7 / 8} \mathrm{~s}^{\prime \prime}$ long $13 / 4 \mathrm{oz}$. Complete with tip and 2 wire cord. For 120 Volts. 60 Hz AC , Shpg. wt., 80 .


## MICROFLAME BRAZING 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 aluminum solder rods, silver and or shop. Includes 18 silver "Fiberfax" board, and instruction manual. aluminum flux, sandpaper. "Fiberfax" board, and instruction manual. Shpe. wt. $1 / 2$ ib.

Net 4.95
14 P 42540

## BRAZING RODS

Silver Solder Brazing Rods (PKg. of $12-6^{\prime \prime}$ long) 14 P 42557 Shpg. wt., 4 oz.
$14 P 42557$ Shpg. Wt., (Pkg. of $6-6^{* *}$ long)
Aluminum Brazing Rods (PK
14 P 42565 Shpg. wi., 3 oz .

Net per Pkg. 2.59 Net per Pkg. 2.59 ...Net per Pkg. . 99
[C] 240/325 WATY HEAVY DUTY SDLUERING KIT
MODEL D. 550 PK. A Professional Heavy Duly soldering Kit featuring the dual-heat $240 / 325$ watt Weller gun. Everything needed for hundreds of applications in Hobbles, 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 Changlng Wrench and Instruction Booklet. Replacement and accessory tips are available at low cost to fit speclal applications. Entlre kit is enclosed in 3 high impact plastio case with carrying handle. UL listed. Shpg. wt., $41 / 2$ lbs.
13 P 39183
Net ea. 14.95
Net ea, 13.45
Model D-550, 240,325-Watt Heavy Duty Soldering Gun. UL listed Shpg. wt., 4 lbs.
13 P 39175
Net ea. 12.30
Lots of 3
Net ea. 11.05

## [ $]$ 145/210. WATT PROFESSIONAL SOLDERING GUN

MODEL D-440. New High Wattage. Suns-these tatest professional Model Soldering guns have everything! Increased wattage-dual spot-lites-rugged plastic case-featherweight balance. Come equipped with cord, plug and one tip. For $110-120$ volts, $60 \mathrm{~Hz}, \mathrm{AC}$. Model 0.440 . Dual-heat type. $145 / 210$ watts. UL listed. Shpg- wt., $41 / 4 \mathrm{lbs}$. 13 P 39167 Net ea. 11,A5 Lots of 3

Net ea. 10.30

## WELLER REPLACEMENT TIPS \& PARTS



## SOLDERING IRON KIT



$4^{10}$

- Develops $750^{\circ}$

Tip Temperature

Model SP-23-K perfect iron for hobbyist and professional. Pencil tips permit accurate soldering of connectlons or joints. Kit contains: 25 watt iron; 5 ft . 60/40 Rosin core solder; 3 pre-tinned plated copper tips; solder aid tool and instructions.
13 P 39456 Shpg. wt., $3 / 4 \mathrm{lb}$.... Net 4.40 Model SP-23 25 Watt Soldering Pencil.
13 P 39464 Shpg. wt., $1 / 2 \mathrm{lb}$.... Net 2.95 Cone shape tips for \$P-23 Iron.
13 P 39548 (pk. of 2) ........Net . 85

# Soldering Guns-Irons and Aids 



- Features Automatic Thermal Regulation

Model 450K4. Complete soldering kit designed to handle every soidering job from the most delicate pinted circuit to rugged sheet metal work. Kit contains Model $45025 / 450$ watt gun that automatically regulates heat to suit the job and three interchangeable tips for 25 to 450 watts of heat power. Complete with solder and convenient carrying-case. UL listed. Shpg. wt., 4 lbs.
13 P 65360
Net 13.95

## LIGHTWEIGHT SOLDERING PISTOL



- Trigger On / Off Switch

WEN 75. A finely balanced soldering pistol for delicate and heavy jobs. Draws only enough current necessary with ATR-50w surge and 30 w operating produces 100 w heat. Transformer voltage is low for cool handling. 120 V AC. UL Ilsted. Shipg. wt., $13 / 4 \mathrm{lbs}$. 13 P65279

Net 4.75
Shpg. wt., 3 oz. WEN REPLACEMENT TIPS

| Stack No. | Type | Description | Net |
| :---: | :---: | :---: | :---: |
| 13 p 65220 | $45 \mathrm{F7}$ | 25-100w Tip for 222,450 | 1.39 |
| 13 P 65238 | 45M7 | 100-200w Tip for 222,450 | 1.39 |
| 13 P 65246 | 45A7 | 200-450w Tip for 450 | 1.39 |
| 13 P 65204 | 75A7 | Std. Tip for 75 | 1.09 |
| 13 P 65212 | 7587 | Fine Tip for 75 | 1.09 |
| 13 P 65295 | 1984 | Repl Tip for 100 | . 49 |
| 13 P 65253 | $45 \$ 7$ | Plastic Cutter Attachment for 222 and 450 | . 69 |
| 13 P 65261 | $45 P 57$ | Flat Iron Attachment for 222 and 450 | . 69 |

## ORTX-TELVAC - 15 W. MINIATURE PLUG-IN SOLDERING IRON

\author{

- No Transformer <br> - Weighs Only 1 oz .
}

Model 115-151. 15 watt minature plug-in iron for light production, laboratory, and service use. Furnished with $41 / 2^{\prime}$ cord. No transformer. Heats quickly in about one minute to $725^{\circ} \mathrm{F}$. Supplied with \% $_{2}{ }^{\prime \prime}$ J tip. Ready to plug in. For 110 V AC.

## Completely Self-Contained Torch Produces $5000^{\circ}$ F Pin-Point Flame (A) Miniature Torch Set

Minlature gas welding torch for precision welding, brazing and cut ting 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 modei making. Hand-held, lightweight torch has self. contained oxygen and LP cylinders which are easily replaced. Up to 20 minutes of continuous heat. Cylinders last indefiriltely when not in use. Complete torch with 3 tip sizes, 1 cylinder butane, 1 cylinder oxygen, gaskets and instructions. Overall size: $51 / 4 / \times 2 W \times 11 / 4$ " thick. See additional accessories at right.
14 P 42508 Shpg. wt., $11 / 4$ Ibs.
14 P 42516 Butane Cylinder (Pk. of 2) ................. 17.95
14 P 42516 Butane Cylinder (Pk. of 2)
Net . 99

## [B] Deluxe Miniature Torch Set

Deluxe miniature torch set is similar to basic torch set above but includes 6 oxygen cylinders, 3 LP gas cylinders, spark igniter, welding tips, 10 Silver Solder brazing rods, a two-way bench bracket for mounting on bench or pegboard lar of flux plus booklet on "How to Weid" properly. Comes with storage case. Shpg. Wt., $21 / 2 \mathrm{lbs}$.
14 P 42532
Net 26.95
14 P 42516 Butane Cylinder (Pk. of 2)
Net . 99
14 P 42524 Oxygen Cylinder (Pk. of 2)
Net 1.49
See additional accessories at right.
Depend on Lafayette For Complete Stocks, Lowest Prices, Fastest Service

## DYNAMIC ARC Welding Outfit

| M A R K |
| :---: |
| 88 |

HEAVY DUTY 80 AMP ARC WELDER

$74^{55}$

- 4 Heat Settings Range From 20-80 Amps.

Weld, cut, solder, and braze easlly with this rugged, portable unit. Handle $1 /{ }^{\circ}{ }^{\circ}$ to $1 /{ }^{*}$ electrodes on iron, steel, brass, bromze and most other metals, 4 heat settings range from 20 to 80 Amps. Precision built heavyduty transformer. Includes fiberglas welding helmet, ground cable with clamp, electrode holder, and assorted electrodes, Single phase A.C. 110 V ., $50 / 60 \mathrm{~Hz} .28$ Amps. Input; ( 30 Amp fuse) all steel baked enamel cabinet size: $93 / 9 \times 9 \times 121 / 4$. Shpg. wt. 34 lbs. 13 P 20555W

Net 74.95

MARK 44-40 AMP ARC WELDER


3995

- Operates On Any Ordinary 110-115 No Money Down* Volt 15 Amp Line

It cuts, welds, heats, brazes and solders, and operates on regular household current. Industrial type transformer. 2 heat settings: low for sheet metal welding and brazing: high for heavier work up to $K_{1 s}$. All steel cabinet has 2 -tone finish. Includes: detachable heavy duty welding cables; full face mask, ground clamp, welding and brazing rods, flux, solder and instruction book. For 115 V ., 15 Amps, Shpg. Wt., 18 Ibs. 13 P 20563
PORTABLE
ELECTRIC
ARCWELDER ARK
35

$19^{95}$

- Weld-Braze-SolderCut
- 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 $1 / 8^{\prime \prime}$ welding rods and $1 / 4$ " carbon. Completely portable. Simple instruction explains how to make spot repairs. 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. cabies, ground clamp, brazing rods, flux, solder and instruction manual. For 115 V AC or DC. Fused for 30 amps . Shpg, wt., $71 / 4 \mathrm{lbs}$. 13 P 20548

Net 19.95

## SOLID OXYGEN PORTABLE WELDING TORCH KIT

- Generates $5000^{\circ}$ Flame
- Cuts $5 / 8^{\prime \prime}$ Bolts
- Lightweight-Completely Portable Accessories

General Purpose Solidox Replacement Pellets. Pkg. of 12. Approximately 75 mins. burning time. Shpg. wt., 21/2 lbs.
14 P 50519
...Net 2.50
Oxygen Rich Solitox Pelfets. Pkg. of 12. (Recommended for cutting). Approximate burning time: 75 mins. Shpg. wt., $21 / 2 \mathrm{lbs}$. 14 P 50527

Net 2.95
Simple, Safe and Economical welding torch enables you to Braze, Weld, and Silver solder with Professional results. SOLIDOX uses oxygen pellets combined with propane, to create temperatures exceeding $5000^{\circ}$. Simple single valve control has no regulators to adjust. Heavy duty brass fittings resist wear and insure long life. Its compact lightweight (7 lbs.) design allows you to work in places inaccessible to conventional welding systems. Ideal for Home, Farm, Business, Hobbywork, or Boats. Kit includes torch with propane cylinder, 2 tips, SOLIDOX peflets (Approximately 100 minutes burning time), safety glasses, igniter, assorted brazing rods. stand, operating instructions, and welding techniques booklet. Shpg. wi., 12 lbs. 14 P $50501{ }^{\prime}{ }^{\prime}$ No Money Down ${ }^{\text {² }}$

Net 34.95 5.Piece Welding and Brazing Rods. Assorted bronze, nickel/silver, and aluminum 18" long. Shpg, wt., 6 oz . 14 P 50543

## Turner

Everything the home handyman needs to sweat fittings, solder and bend metal. All brass torch with improved pencil point burner assembly, heavy duty burner tip for larger flame, chisel point solder tip, brass tlame spread, spark lighter and tank of fuel. Durable steel chest. Ul listed. $6 \times 101 / 4 \times 3^{\prime \prime}$. Wt., 5 lbs.
13 P 26503 .... Net 7.95 Super capacity fuel tank. Fits all standard propane torches, stoves, lanterns, torches, stoves, 21 anterns
etc. Shipg. wt., $21 / 4$ lbs. ett. Shpg. wt., $21 / 4 \mathrm{Gbs}$. 26511 ...


## MINI-TORCH BLOW TORCH AND SOLDERING KIT



## RAACO 30 DRAWER COMBINATION PARTS CABINET <br> 1195 <br> - 3 Drawer Sizes <br> - Welded Steel Frame <br> - Double Baked Finish

Practical 3 -in-1 design incorporates 3 drawer sizes in 1 cabinet to save workshop space and increase usefulness. 30 clear plastic drawers. Heavy gatuge, welded steel frame with steel shelf supports. Cabinets can be stacked or wall mounted. Plastic feet for easy stacking and to avoid scratching. Complete with dividers and index cards. Qty. and sizes of drawers: $24-13 / 8 \times 21 / 2 \times 5 \%_{0}{ }^{\prime \prime}, 4-$ $21 / 4 \times 5 \%_{0} \times 5 \%_{6}^{\prime \prime}, 2-21 / 4 \times 5 \$ 10 \times$ 11". Cabinet size: $22 \times 12 \times 53 / 4^{\prime \prime} \mathrm{D}$. Shpg. wt., $111 / 2$ lbs.
13 P77035W
.Net 11.95

## RAACO 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, labels, and label holders. Baked-on hammertone finish. Drawer size: 2 W $\times 11 / 20 \times 51 / 2^{\prime \prime} \mathrm{L}$. Cabinet sire: $93 / 8 \times$ $12^{1 / 8} \times 61 / 4^{\prime \prime} \mathrm{D}$. Shpg. wt., 5 ibs . 13 P77027W

## AKRO-MILS MODULAR STORAGE CABINETS

- Complete With Labels and Dividers
- Welded Steel Frame - See-Thru Drawers
- Charcoal-Grey Hammertone Finish
- For The Home-Hobby-Business
- All Cabinets Preassembled, Ready-to-Use
- Can Be Stacked-Added to-Changed-ArrangedRearranged
(A) MODEL 17-136, 36 compact drawers. Drawer size: $23 / 4 \mathrm{~W}: 57 / 8 \mathrm{~L}$ $\times 11 / 4^{* N}$. Cabinet size: $18 \mathrm{~W} \times 6 \mathrm{~L} \times 91 / 2^{\prime \prime H}$. Shpg, wt., 11 lbs . 13 P76102W
(B) MODEL 17-018, 18 deep compact drawers. Drawer siret 14.99 $57 / 8 \mathrm{~L} \times 21 / 2^{\prime \prime} \mathrm{H}$. Cabinet size: $18 \mathrm{~W} \times 6 \mathrm{~L} \times 9^{\prime \prime H} \mathrm{H}$. Shpg. wl., 10 ibs 13 P 76284 W .........................................................Net 14.99 (C) MODEL 17-416, 16 long wide drawers. Drawer size: $4 W \times 11 \mathrm{~L} \times$ $2 \mathrm{Va}^{\prime \prime H}$. Cabinet size: $18 \mathrm{~W} \times 11 \mathrm{C} \times 11 \mathrm{H} \mathrm{H}$. Shpg. wt., $211 / 2 \mathrm{lbs}$.

As Low As
$14^{99}$

(B)


- For Home-Office-Shop
- Sturdy Steel Frame
- With Dividers and Labels

Versatile 36 drawer steel frame cabinet. Has carrying handle for easy portability or can be stacked when more drawers are needed. Drawers have safety tabs to prevent accidental spilling when cabinet is tlited. Easily wall mounted for saving workbench space. See-thru drawers measure $23 / 4 \mathrm{~W} \times 53 / 4 \mathrm{~L} \times$ $11 / 4^{* H}$, perfect for small parts, screws, etc. Sturdily built with steel sides and back wall. Complete with label and dividers. Size: 13 k $61 / 2 \times 131 / 2^{\prime \prime} \mathrm{H}$. Shpg. wt., 9 lbs. 13 P 76292W

Net 8.95
AKRO-MILS PORTABLE 15 DRAWER STORAGE CABINET


## - All Steel Frame

Model 11-615. Ideal storage unit for hobbyist or handyman. All steel unitized frame $10 \times 8 \times 6^{\prime \prime}$. Compact yet holds many items in easy to locate fashion in 15 "see-thru" drawers. $23 / 4 \times 11 / 4 \times 53 / 4^{\prime \prime}$. Unbreakable tote: handle. Metallic blue baked enamel finish. With drawer dividers and labels. Shpg. wt. $41 / 4 \mathrm{lbs}$.
13 P 76250
.Net 3.59

## AKRO-MILS 16 DEEP DRAWER UTILITY CABINET



## - Deep Drawers

Model 11-216. Charcoal hammertone weided steel heavy duty $9^{\prime \prime} \mathrm{H} \times 13^{\circ} \mathrm{Wx}$ $6^{* D}$ frame with 16 extra deep $23 / 4{ }^{\prime \prime} x$ 2"x53/a" "see-thru" drawers. Baked enamel finish cannot chip or peel. Can be stacked for more compact arrangement. Adjustable dividers and labels included. Suitable any. where from office desk to work. bench. Shpg, wt., $63 / 4 \mathrm{lbs}$.
13 P 76193W

## Net 5.95

## AKRO MILS PORTABLE LOCKING CABINET

Model 11-463 For secure storage of medicines, tools, small easily lost parts. Chip-proof welded steel frame provides for safe storage and transport. Locking steel door prevents theft and spiling. Keyhole slots for hanging. 12 drawers $11 / 4^{\prime \prime} \times 23 / 4^{\prime \prime} \times 53 / 4^{\prime \prime} 1$ jumbo drawer $21 / 2^{\prime \prime} \times 83 / 9^{\prime \prime}$. Overall size $10^{\prime \prime} \times 9^{\prime \prime} \times 6^{\prime \prime}$. With carrying handle. Adjustable dividers and labels. Shpg. wt., $51 / 2$ 13 P $76219 W$ $\qquad$ Net 5.95

# Lab and Field Research Equipment 

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 transducer located in the solvent tank is excited by an ultrasonic generator (at $90,000 \mathrm{cps}$ ). It sets the solvent in agitation. producing microscopic bubbles (cavitation) which dilsintegrate dirt particles. Soil can be removed from the finest crevices without damage to delicate parts. Ultrasonic Cleaner consists of a 80 -watt pulse generator and a $1 / 2$-galion cleaning tank. Tank constructed of stainless steel with 4 A grade polish. Specifications: Input $110.117 \mathrm{~V}, 50 / 60$ cycles; Output $90 \mathrm{kc}-80$ watts, avg., 320 watts peak. Tank, inside dim., $5 \frac{3}{4} /{ }^{\prime \prime} \mathrm{L}$ $\times 51 / 4^{\prime \prime} W \times 4^{\prime \prime} \mathrm{D}$. Complete with $4^{\prime}$ connecting cable. Exterior of Tank and generator finished in baked enamel gray. See listing below for solvents. Shpg. wt., 31 lbs.

## 15 P 85017W No Money Down*

$\qquad$ 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: $35.6 \times 35 \cdot 6 \times 3^{\prime \prime}$ deep. 1 -pint capacity. See listing below for solvents. Shpg. wt., 26 lbs.

## 15 P 85025W No Money Down*

Net 69.95

## 120-WATT ULTRASONIC CLEANER

An extra high capacity cleaner widely used in electronics, automotive and other precision instrument fields. Valuable in ali areas of applied medicine. $11 / 2$ gatlon polished stainless steel tank size (inside): $12^{\prime \prime \mathrm{L}} \times 6^{\prime \prime} \mathrm{W} \times 6^{\prime \prime} \mathrm{H}$. Generator output: 90 KHz @ 120 watts average. 480 watts peak. With illustrated reference manual. See listing below for solvents. Shpg. Wt., 34 lbs .
15 P 85033W No Money Down* $\qquad$ Net 259.95


Motel LP-1HD. Completely self-contained easy-to-handle ultrasonic cleaner capable of serving a variety of cleaning applications. Automatic 5 -minute time switch turns unit off when cleaning cycle is finished. Stainless Steel worktop and sides protect unit againist spills and splashes. One-Pint Stainless steel cleaning tank cannot be marred or harmed by any normal cleaning agent or solvent, warm or cold. Ideal for removing grease, tar, wax, sulphides, fluxes, and fingerprints from components, miniature mechanisms and a variety of other precision parts. Generator Freq.: 90 KHz ., RF input power: 40 watts. All transistors. Dimensions $91 / 2 \times 5 \times 43 / 6^{\prime \prime}$. See listing below for solvents. Shpg. wt., 7 lbs.

## 15 P 23026 No Money Down*

## ELECTROMATION SOLID STATE ULTRASONIC <br> CLEANER

$29^{95}$
High frequency ultrasonic cleaner vibrates $77,000 \mathrm{~Hz}$. Ideal for hobbyist, artist, draftsman. Cleans lewelry, coins, contact lens by disintegrating and dissolving dirt particles. Transistorized, all metal unit with stainless steel cleaning cup $21 / 4^{\prime \prime}$ dia. x $11 / 2^{\prime \prime}$ deep. Sample cleansers, jewelry brush and tweezers included. 115 volts, 60 Hz. Shpg. wt., $11 / 2 \mathrm{lbs}$.
15 P 23042
Net 29.95

[^7]SUGAR REFRACTOMETER


- A Modified Abbe Design-Reads Percentage of Sugar in Solution
- Completely Portable-Fits in Pocket
- Accuracy $\pm 0.2 \%$ for Low Range Instruments一 $\pm 0.5 \%$ for High Range
An accurate hand sugar refractometer. Designed for accurate measurements of the percentage of sucrose or dissolved sollds in solution. Particularly suited to the sugar industry. Permits accurate measurements, in the field, of sugar percentage in fruits and vegetables. Equally suitable for use in the "juice" industry, in canning plant lab, candy, chocolate and jelly industries, soft drink plants, breweries, argricullural as well as in other phases of chemistry and clinical pathology. Simple in operation-no moving parts except the focusing eyepiece. Completely color corrected optical train, perfectly clear field. Range of $0.32 \%$, reads directly to $0.2 \%$, easily estimated reading to $0.1 \%$. Accuracy $\pm 0.2 \%$. Includes adjusting screw driver, temperature correcting tables, leather carrying case, and straps. Imported. Shpg. wt., $11 / 4 \mathrm{lbs}$.
99 P 70369 L No Money Down*
Net 39.95


## DIRECT VISION SPECTROSCOPE



- Focusable Field

A simple accurate instrument for the spectroscopic analysis of emission spectra from light sources, vaporized chemical salts, solids, liquids and the Solar Spectrum. Convenient for experimental and student use. A broad dispersion field of high intensity is obtained from several dispersing prisms of matched glass, while a high grade optical system yields good resolution, sufficient to separate $5769.6 \mathrm{~A}^{\circ}$ from $5790.6 \mathrm{~A}^{\circ}$ In the spectrum of a fluorescent lamp. The slit is preset and can be focused sharply by means of an eye piece draw-tube, assuring easy viewing and establishment of Fraunhofer lines of the Solar spectrum or bright lines of the emission spectra. Metal parts are made of chrome-plated, corrosion-proof brass. Supplied in fitted case. Imported. Shpg, wt., 1002. 99 P 707731

Net 21.75


An economical, compact, self-contained source of both short wave and long wave ultra-viofet light of medium intensity. For lab, home and field use where high intensity is not required. Operates from either AC house current or batteries. Easily carried-welghs only 1 Ib., 14 ozs. Portability extends its uses. Typical applications: fluorescence demonstrations, mineral determination, prospecting. Special circuit has been designed for high efficiency, low drain operation. Tubes are easily replaced. Separate, extra large filters for short wave and long wave and switch for independent operation of each source. Includes 6 identified mineral samples and a 12 -page book which describes some of the many uses of ultra-violet radiation. Comes complete ready for use-for $110-120$ volts $50 / 60 \mathrm{cps}$. AC Less batteries ( $2-45 \mathrm{~V}$ " B " batteries required for portable use) Battery adapter case optional. Size: $51 / 2 \times 2 \times 81 / 2^{\prime \prime}$. Shpg. Wt., $41 / 2 \mathrm{lbs}$. 15 P45045

Net 39.75 Battery Adapter Case with adjustable shoulder strap. Shpg. wt., $13 / 4 \mathrm{lbs}$.
15 P 45052
45-Volt "B" Battery ( 2 required for battery operation).
32 P 48101 Shpg. wt., $21 / 4$ 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, Uy transmitting and absorbing clear plastic, invisible dye, 10 yds, fluorescent elastic cord. 48-page "Story of Black Light" book of experiments. (Not illustrated). Shpg. wt., $21 / 2 \mathrm{lbs}$.
15 P 45060
:Net 8.95

## LaFAVEITIE TRU-Z000m. Wide Angle *Not a "Vari-Power" One Control Zooms both barrels !

- 7X to 12X-or any Power in Between
- Center Focus-Right Eye Adjust-Plus Single Synchronous Zoom Control!
Sensational Zoom action holds even fast-moving subjects in perfect view. Sight in any subject at 7 -power-then Zoom up to 12 -power for any power in between) for closeup viewing. Fulf 40 mm , objective lenses, hard coated achromats. Field of view is 323 feet at 1000 yds., at 7 power $\left(6^{\circ}\right), 289$ feet at 1000 yds. at 12 power $\left(5.5^{\circ}\right)$. Prisms clamped in shock-resistant mounts. Lightweight alloy frame and body. Sealed against dust and moisture. Includes plush-lined. hard case and straps. Imported. Shpg. wt., $43 / 4 \mathrm{lbs}$.
99 P 71086
Net 49.95


## $\qquad$



DELUXE $7 \times 35$ WIDE-ANGLE BINOCULARS

- 578 Ft. Field Of View at 1000 Yards
- Oversize Oculars - Exceptional Quality

A multi-purpose, precise $7 \times 35 \mathrm{~mm}$ binocular that is particularly adept for field 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. Field of view at 1000 yards is 578 feet! Center focus and right eye adjustment insure perfect focus. All optics are sealed against moisture and are properly collimated and allgned. Hard lined case for protective storage when not in use. Complete with neck strap. Imported. Shpg. wt., 3 lbs.
99 P 70195
Net 31.95
NEW! $8 \times 30$ ROOF PRISM BINOCULARS


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

No Money Down*

- Wide 390 Ft.

Field at 1000 Yards

- Compact, Lightweight Design
- Focus Down
to 20 Ft

This new, compact binocular features the roof prism system. The most advanced optical concept in binocular design. Smaller and lighter than conventional designs of equal power, but still affords wide field, high luminosity and a superb optical train. Seamless body design seals against moisture and dust. Focusing by means of internal system with right eye adjust. Weighs only 20 ounces, can be held comfortably for long periods of time. Complete with black vinyl hard case and strap. Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$.
99 P70518
Net 69.95

## VERSATILE BINOCULARS

Precise design-quality material-and expert workmanship. All enses are hard coated-prisms clamped in lightwelght alloy frame and body-sealed against dust and moisture-properly collimated and aligned. All are center focus with adjustable right eyepiece. Hard IIned case and neckstraps included.
$7 \times 35$ POPULAR, VERSATILE, ALL PURPOSE BINOCULARS. FOR the sports-man-hunter-bird watcher-vacatloner. High luminosity. Compact design. Field of view 367' at 1000 yards. Imported.
99 P 70187 Shpg. wt., $23 / 4 \mathrm{lbs}$. $\qquad$ Net 19.95
$7 \times 50$ NAVY STYLE NIGHT GLASSES. Favored for marine use. The choice of professionals because of exceptionally high light gathering power. Superior image brightness. Field of view $372^{\circ}$ at 1000 yards.
99 P 70161 Shpg. wt., $33 / 4$ lbs. Imoorted.
...Net 26.95
$20 \times 50$ KING OF THE LONG RANGE. Hunters, mountain climbers, plane spotters, forest langers-any long distance viewing and observation requirement. Field of view $157^{\prime}$ at 1000 yards. Shpg. wt., $33 / 4 \mathrm{lbs}$.
99 P 70203 Imported.

## MAGNI-BOOSTER

Converts Binoculars Into High-Powered Scope

- Magnifies Binocular Power 21/2 Times (7 Power Becomes 171/2 Power!)

Instantly converts standard binoculars into a high-powered all-purpose spotting scope with crystal clear magnification! Increases the power of your binoculars $21 / 2$ times making it possible to spot details which cannot be seen with the binoculars alone. Ideal for slipping onto your binoculars when spotting game, checking target hits. Easily slips off for standard binocular viewing. Fits over front lens of binocular with appropriate locking adapter (see below). Focuses with binocutar controls or with its own focusing ring. 15 P 42018 Shpg. wt., 1 lb.
.................

$$
\text { .................. } 20.95
$$

Stock No. For Binocular Objective Rim Oia
Net
15 P $42026134^{\prime \prime}$ to $2^{\prime \prime}$ O.D. Shpg. wt.4 5 oz. .................... 3.69
15 P $4203412^{\prime \prime}$ to $24^{\prime \prime \prime}$ O.D. Shpg. wt. 5 02................................ 3.69
15 P 42042 2 $1 / 4^{\prime \prime}$ to $2 \% / 14^{\prime \prime}$ O.D. Shpg. wt., 602. 3.69

# Selected Scopes-Optical Accessories 

## LAFAYETTE $8-25 \times 30-\mathrm{mm}$ ZOOM SPOTTING SCOPE

- Zoom Any Power From 8X to 25X
- Quick Focusing With Table Top Tripod

An outstanding varipower spotting scope that is ideal for any "spotting" need in field or general use . shooters, bird watchers, etc. Features 30 mm coated tens for brilliant viewing. Fingertip controls for quick 200 ming and focusing. Has a built-in camera tripod socket. includes a tabletop tripod with rubber-tipped legs that prevent scratching of furniture. Compact, lightwelght and portable ... ideal for taking it everywhere you go. Complete with black, zippered carrying case with convenient belt loop. Overall length of scope is $\mathbf{1 2 "}$. Imported. Shpg. wt., 3 Ibs.
99 P 71920
.... Net 18.50
DELUXE 13-40X $40-\mathrm{mm}$ ZOOM SPOTTING SCOPE

- Zoom From $13 x$ to $40 x$ Power $\cdot 40 \mathrm{~mm}$ Objective Same unique design as above but with extra power and larger $40-\mathrm{mm}$ objective. With tripod less case. Dverall Length 16 " Imported.

15 P 64038 Shpg. wt., $2^{3 / 4}$ lbs. ...................................Net 24.75


- Full Size 50 mm Objective

Any power from $15 x$ to $30 x$ ! Ideal for any "Spotting" Need. Pan-head, elevator tripod mount included. Perfect all round scope, Powerfut, small lightweight, brilliant viewing. Minimum focusing distance 82 ft . All aluminum and chromed, brass. Imported. Shpg. wt., $43 / 4 \mathrm{lbs}$.
15 P 64061
..Net 54.95

- Includes $6 x$ Super Wide-Angle (11) Objective

Versatile, precision pocket telescope provides powerful 8 -power optics. Ideal for travel, hiking, nature study or sports. 24 mm coated tens provides 435 ft . viewing area, 18 mm lens 575 ft . at 1000 yds. With 2 ip . pered case, wrist strap. Imported. Shpg, wt., 10 oz . ${ }_{99}{ }^{10} 72159$

## $10 \times 30 \mathrm{~mm}$ TELESCOPE with TRIPOD



- Portable-Compact-Lightweight

A 10 power, 30 mm internal (front) focus telescope that is compact, lightweight and portable-Ideal for taking it everywhere you go. Features coated achromatic lenses. Has built-in camera tripod socket. Sturdy tripod supplied with rubber-tipped legs. Minimum focusing distance 14 ft .
15 P 64046 Shpg, wt., $13 / 4 \mathrm{lbs}$. Net 9.85

## LAFAYETTE BINOCULAR MAGNIFIER

- Leaves Hands Free
- Reduces Eyestrain
- With 3 Lenses

Only
$9^{95}$


Ideal for technicians, inspectors and hobbyists. Precision ground and polished lenses for very close work without eyestrain. Headband adjusts to any head size. 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; $2.5 \times$ for $51 / 2^{\prime \prime}$ working distance and $3 X$ for $41 / 2^{\prime \prime}$ working distance. Imported. Shpg. wt, 1 lb .
99 P 72068
Net 9.95

## LAFAYETTE OPTICAL MICROMETER

- Direct measurements to .005
- Measures Diameters - Radii - Angles
- Linear scale in inches

High quality optical micrometer using a triplet lens system of approximately 7 power. Triplet system affords a wide flat field of view. Extremely accurate reticle of etched glass. 0.5 inch linear scale callibrated to .005 inch. 10 mm scale calibrated 10.2 mm . Hole diameters from $1 / 4$ to $\mathrm{Kb}^{\prime \prime}$ and from .005 to $.05^{\prime \prime}$. Thickness scales from $1 / 4$ to $1 / /^{\prime \prime}$. Radij from $1 / \mathrm{s}_{6}$ to $3 / \mathbf{/ 月}^{\prime \prime}$ and angles from 0 to $90^{\circ}$. Accurate to edge of $1^{\prime \prime}$ field. Adjustable focus. Complete with leather case. Imported. Shpg. wi., 8 oz.
99 P 70757 L
.Net 8.39


MAGNA SIGHT-MASTER 3-D BINOCULAR MAGNIFIER
$4^{95}$

- Leaves Hands Free
- Reduces Eyestrain
- 3-Dimensional
- Can be Worn With or Without Glasses


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, repair. men, inspectors and technicians. Available in 4 sizes. Imported. Shpg. wt., 9 oz.


15 P $200712.75 x, 8$ working Distance Net 5.75

## PROJECT-A-SCOPE

- Projects Giant Pictures in Color or Black and White
- Films or Negatives Not Needed
Handsome projector molded of heat and buse resistant, hi-impact plastic for long life. Casts sharp, giant-size enlarge-
 ments on any white wall or screen in britliant color or black and white. Simple to operate. Can be used by students. artists, lecturers and demonstrators. Chitdren can project comics or story books to amuse themselves and their friends. Uses ordinary household bulbs U/L listed, 110 volts, AC-DC. Shpg, wt., $21 / 2$ lbs.
15 P 50011
.Net 6.50

- Eyepieces and Barlow Lens For 450x, 300X, 225X, 150X, 90 X and 45 X - 900 mm Focal Length - Micromotion Con: trols For Horizontal, Polar, Declination - $4^{1 / 2 \prime \prime}(114 \mathrm{~mm}) ~ F / 8$ Spherical Aluminized Quartz Mirror - Barlow Lens Included
$41 / 2 "$ spherical, aluminized quartz mirror gives wide, flat field of view and outstanding color definition. Three coated eyepieces provide magnifications of 45X, 150X, 225X; (with Barlow lens 90X, 300X and 450 X ). Fast resolving power of 1.5 seconds and 900 mm focal length permits detailed viewing up to twelfth magnitude. $5 \times 24 \mathrm{~mm}$ right-angle, prismatic finder scope with cross hairs easily locates objects to be viewed. Micro-motion controls and equatorial mount with hour and declination circies provides complete control for tracking. Heavy-duty hardwood tripod with accessory tray adjusts from 33 to $60^{\circ}$. Complete with lenses, Sun glass, Moon glass. Barlow tens. Scope size: $41 / 2^{\prime \prime}$ Dia., $36^{\prime \prime}$ long. Imported. Shpg. wt., 30 lbs .


## 99 P 72183WX

Net 99.95


- Magnification up to 250 x
- Fully coated 60 mm achromatic objective
- 700 mm focal length - $5 \times 24 \mathrm{~mm}$ view finder with crosshairs - 2 Huygenian eyepieces plus a $2 x$ Barlow lens

Achieve magnification from $55 \times$ to $250 x$ with the use of the $2 x$ Barlow lens Included. Fully coated 60 mm achromatic objective lens provides exceptlonal light gathering power and very low chromatic aberration. $5 \times 24 \mathrm{~mm} \cdot$ view finder with crosshairs for locating objects quickly. Star diagonal prism for right angle viewing. Sun lens for solar 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 declina. tion rod for vertical fine adjustment. Size $34^{\prime \prime} \mathrm{L} \times 60^{\prime \prime} \mathrm{H}$. Imported. Shpg. wt., 12 lbs.
15 P21061w No Money Down*
Net 59.50

PEN-SCOPE


- 8 Power Telescope
- 30 Power Microscope

The 8 power telescope with adjustable sliding focus barrel that extends to over 8 inches, collapses to $51 / \mathrm{s}^{\prime \prime}$ and fits easily in pocket. Barrel slips off to convert to a 30 power microscope. Nickel-plated metal case with pocket clip. Dla. only $5 / 16^{* \prime}$. Imported.
99 P $71987 L$ Shpg. wt., 5 oz.
.Net 2.19

- Eyepieces for $132,64 X$ and $32 X$
- $4^{\prime \prime}(100 \mathrm{~mm})$ //8
- Aluminized First Surface Secondary Mirror

A fine, compact professionally designed $4^{\prime \prime}$ reflecting telescope with carefully aluminized oplics for exceptionalfy low light loss. Primary mirror is aluminized and quartz overlaid. Highly achromatic optical system features very low chromatic aberration. Adjustable wooden 48 " tripod with tray brace and convenient optical sight permit easy field use on uneven surfaces. Rack and pinion drive assures smooth focusing. Lightweight aluminum body has white baked enameloid finish: Specs.: Mirror Dia.: $4^{\prime \prime}(100 \mathrm{~mm})$. Focal Length: 800 mm . Eye. pieces: $6 ; 12.5$; and 25 mm Huygenlan. Resolving Power: 1.4 seconds. Supplied with stand, sun filter and three eyepieces. Imported.
99 P 72126 W Shpg, wt., 101,2 lbs. $\qquad$
99 p 70542 Barlow lens for double power wi.......................... 44.75

## 45x Terrestrial Telescope

## Microscope and Accessories

"MICRO'DAPTER"TM


- Micro-photography! 195 - Use Any Camera.

Microscope or Camera/Telescope Setup
Permits the use of any camera-even movie cameras-with practically all microscopes and telescopes. No need to remove the camera lens. Cross hairs are super-imposed on the image for centering. The image is automatically in focus for the camera when viewed in focus through the MICRO'DAPTER. Accessory sleeves permit the MICRO'DAPTER to be used with other than Society size microscopes. The MICRO'DAPIER may be used with any tele scope by attaching to eyepieces of $29 \mathrm{~mm}\left(1 \%_{2}{ }^{\prime \prime}\right)$ maximum diameter. imported. Shpg. wt., $21 / 4 \mathrm{lbs}$.
99 P 70807

## MICROSCOPE LIGHT

- Use with Any Microscope
- Furnishes Bright, Even Light


## $3^{85}$

Provides bright, evenly lighted field of view. Height 41/2". Lamp may be ralsed or lowered to any desired height. Inclinatlon and elevation joint permit swingling through $360^{\circ}$ in both horizontal and vertical plane. Fully adjustable for transparent or opaque specimens, direct or indirect illumination. Invaluable where oblique light is necessary. Operates on $110-120$ volts $\mathrm{AC} / \mathrm{DC}$. Self-contained cord and pliug. With extra bulb. Imported. 15 P 64103 Shpg. wt. $11 / 4$ lbs.

MICRO-STANDARD MECHANICAL STAGE
$24^{95}$ - Locates Any Spot On A Slide, "On the Nose."

- Smooth Action-Horizontal and Vertical
- Foolproof Co-ordinate System

Graduated mechanical stage attaches to any "Society" size microscope stage such as Medica, Micro-Plex and Micro-Standard. Adjustable holder takes any slide up to 90 mm $\times 50 \mathrm{~mm}$. Essential for methodical examinations such as is required under an oil immersion lens or in blood counting. Locates and relocates portion of the slide quickly and easily. Vertical movement by rack and pinion-horizontal movement by worm gear. Machine engineered scales, graduated in single millimeters with vernier reading to $1 / 10$ th mm . All slides can be charted by means of the co-ordinates of these scales. Spring clip automatically fits the slide into proper position. Imported. Shpg. wt., $11 / 2 \mathrm{Ibs}$. 99 P 70385L

Net 24.95 ${ }^{\text {tion, }}$ micro-dissection. ported. ed. Shpg. wt., 1 ib. 15 P 64111

## DELUXE

1200X RESEARCHER MICROSCOPE SET

- 25 X to 1200 X in 12 Ranges
- Full Range Fine Focus Adjustment
- Integral Mechanical Stage
- Rotating Diaphragm
- All Metal Construction

Closely parallels the "Society" grade microscope. Four Huygenian eyepieces: $5 x, 10 x, 15 x$ P20x combine with four achromatic objectives: $5 x, 10 x, 40 x$, $60 x$ to yield 12 combinations: 25x, 50x, $75 \mathrm{x}, 100 \mathrm{X}, 150 \mathrm{X}, 200 \mathrm{X}, 300 \mathrm{X}, 400 \mathrm{X}$, $600 \mathrm{x}, 800 \mathrm{X}$, $900 \mathrm{X}, 1200 \mathrm{x}$. Duat knob rack and pinion coarse focusing with tension adjustment for slow motion. Micro-motion tine focusing adjustment. Spring loaded to prevent objective from driving through slide. $85 \mathrm{~mm} \times 85 \mathrm{~mm}$ stage can be moved in any direction, with silde by 2 knurled screws while looking through the eyepiece. Sub-stage has rotating, 5 -position diaphragm and 35 mm ptano/concave reflecting mirror Stable horseshoe base. Complete with set of 5 basic dissecting instruments, 10 slides, pack of cover slips, tube of mounting fluid. All in a dovetaited wooden carrying case with handle and four rubber feet. Imported. Shpg. wt., 7 los.

99 P 70419

## Net 44.95




## MICROSCOPE MECHANICAL STAGE

- With Graduated Scale - Vernier to $1 / 10$ th mm
- Attaches to Any Square Microscope Stage Attaches to any square microscope stage. $70 \mathrm{~mm} \times 80 \mathrm{~mm}$ or larger. Accommodates slides up to $75 \mathrm{~mm} \times 50 \mathrm{~mm}$. Both lateral and front-to-back movement by rack and pinion. Adjustment scales are graduated in single millimeters with verniers reading to $1 / 10 \mathrm{th} \mathrm{mm}$. Essential accessory for all high
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SLIDE PREPARATION KIT. 30 glass
 slides, $3^{\prime \prime} \times \mathbf{1 m}^{\text {" }}$, in a fitted, sturdy, cardboard container. Slotted guides hold slides ugright for easy indexing. Includes slide covers and vial of mounting fluid. Im-

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## DISSECTING KIT. 9.piece set in wood-

 en box consisting of $53 / 4^{\prime \prime}$ spatula, $51 / 2^{\prime \prime}$ knife, $41 / 2^{\prime \prime}$ tweezer, $5^{\prime \prime}$ scissors, 30 mm magnifier, eye dropper, 1 glass rod, straight hook, and curved needie. Import-Net 3.50

# Microscopes For Beginners \& Intermediate Students 

900X 'Zoom' Student Laboratory


- Zoom from 50 to 900 Power
- All Metal Construction
- All Dissecting and Mounting Materials
- Includes AC/DC Substage Illuminator
- With Attache Type Carrying Case

A complete microscope laboratory for the student and enthusiast. Provides all necessary material to explore the interesting field of microscopic research. Achieves magnification from $50 x$ to 900 x with combinations of the 3 objective lenses ( $5 x, 20 x$, and $45 x$ ), and the fine ocular which zooms from $10 x$ to $20 x$. Rack and pinion focusing assures clear, sharp images. The 900 x scope features an optical condenser, plano mirror, and built-in 3 -valt light powered by the AC adapter or 2 penlight batteries. Laboratory Includes a complete dissecting kit with hand lens, blunt-end scissors, probe, scalpel, spatula, tweezer, and eyedropper, plus glassware, including: 11 blank slides, 12 cover glasses, 3 test tubes and beaker. Also includes: prepared slide, 2 bottled specimens, 4 slide preparation chemicals, 2 spare light bulbs, mounting balsam, and Instructions. Less batteries. Imported.
Shipg. wt.. 5 lbs.

## 99 P 70252

Net 24.95
99 P 71060 Replacement Bulb Net. 22 99 P 62580 Battery (2 req.) Net ea. 10

50X to 1200X 'Zoom' Microscope Set


- 50X-1200X Magnification • Zoom Eyepiece
- Complete Set of Dissection Instruments
- 4 Achromatic Objective Lenses
- All Metal Construction
- With Built-in Plano Mirror and Illuminator

Constantly variable magnification from 50 to 1200 X . Zoom eyepiece for less specimen adjustment and controlled detail magnification. Dual knob rack and pinion coarse focus control plus fine focus control. Stage includes optical condenser and aperture diaphragm. Spring loaded rack prevents damaging objective. Sub-stage illumina-tor-mirror combination for direct, incandescent, or reflected illumination. Includes 2 prepared slides, 4 blank slides, spatula, scalpel, probe, scissors, tweezer, and magnifying glass. Wooden case with carrying handle. Illuminator operates on penlight cells or house current, by means of an optional transformer. Less batteries. Imported, shpg. wt., 5 lbs
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750X 'ZOOM' MICROSCOPE SET

## $15^{95}$

- Variable Magnification
-50x to 750 x
- All Metal Construction
- Built-in Substage lliuminator
- 3 Coated Objectives

Ideal for student or hobbyist. Features advanced zoom type micro-optics. Zoom action permits smooth, vibration-free, variable magnification without disturbing stage or specimen. Three hard coated objectives set in a revolving "click stop" turret give magnifications of $50 \mathrm{x}, 75 \mathrm{x}$, $200 \mathrm{X}, 300 \mathrm{X}, 500 \mathrm{x}$ and 750 X . Zoom action permits choosing multiple magnifications without changing eyepiece or objectives. The eyepiece 200 ms smoothiy from 10 X to 15X. Illuminator operates with batteries or on ordinary house current with transformer supplied. Includes instructions, sample slides, 5 piece dissecting kit and wooden carrying case. Less batteries. Im. ported.
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## 600X Microscope Set


$8^{95}$

- With Sub-Stage Light
- 75X-300X-600X
- Triple Revolving Turret

For the student-hobbyists-or budding scientist! Features builtin sub-stage light and three achromatic objective lenses giving magnification of $75 x$, 300 X and 600 x . Complete with 3 glass slides, 5 -piece dissecting set and hardwood cabinet. All metal, Less batteries. Imported. Shpg. wt., $21 / 2$ Jbs. 15 P 64020 ...........................Net 8.95 99 P 62580 8at. (2.req.) .. Net ea. . 10


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35 mm DEVELOPING
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## SEALed-beam movie light

995

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- Head Tilts for Bounce Lighting
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Compact, powerful 250 watt sealed beam will provide as much light as previous 650 watt movie lights for bright indoor movies. Fea. tures top mounting and convenient on-off switch. Will fit all new super 8 mm cameras plus all slandard 8 mm cameras with tripod socket on top, with 6 ft . cord.
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- For Enlargements
of up to $11 \times 14$

The DPK-4 Enlarging and Developing Kit provides all the needed equipment for developing 35 mm film and making enlargements up to $11^{\prime \prime} \times 14^{\prime \prime}$ in size. The kit includes a condenser enfarger, complete with condensing lens, $50 \mathrm{~mm} f / 3.5$ enlarging lens, and a 35 mm glassless negative carrier. For developing negatives, a roll film develop. ing tank with an adjustable reel is included, with an agitator-thermometer. Kit also comes with $3-8 \times 10^{\prime \prime}$ developing trays, a 4 -way enlarging easel for prints from $21 / 4 \times 2 \frac{1 / 4}{}{ }^{\prime \prime}$ through $8 \times 10^{\prime \prime}$, safe light housing, squeegee, two print tongs, two fitm clips, and a complete instruction booklet. Chemicals, enlarging papers, and bulbs are not included in this kit. Shpg. wt., 20 lbs.
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Net 1.10

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Copy photographs, magazine articies without damaging the original by using your present Polaroid camera. Deluxe photo copier with its own miniature 120 -watt lights allows you to copy any time of day or night. Diffused light does not produce glare on prints. Fast exposure time assures a blur-free picture. Quickly installed or removed. With built-in linecord switch and glare-free lamps. CSA and UL listed. Shpg. Wt, $11 / 2 \mathrm{lbs}$.
For Polaroid Series $100,200,300$, 400 Color.
pack Cameras.
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## DELUXE 650 WATT QUARTZ MOVIE LIGHT

## $12^{28}$

- Head Tilts for Bounce Lighting
- For All Super-
 8 Cameras

Shoot brilliant movies indoors. Long life, quartz-bromine movie light for maximum output. Small, all metal unbreakable housing with built-in on/off switch. UL listed. With $61 / 4 \mathrm{ft}$. cord. Shpg. wt., 1 lb .
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Exact replacement projection lamps for most movie and slide projectors. We will fill your order with either G.E. or Sylvania depending on stock availability. Imported $\ddagger$. Shpg. wt., 6 oz.

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Instant loading lightweight cartridge camera that's perfect for recording your famity fun. Simple to use ... just drop in a Kodak 126 cartridge, ciose the back and snap excellent color or black and white pictures. Choose from slides or prints. No focusing, no settings. Flashcube automatically rotated and synchronized with each shot. Precision lens. Outfit includes permanent carrying case, wrist strap, color film cartridge, batteries and flashcubes. Shpg. wt., $11 / 2 \mathrm{lbs}$. 15 P 53007

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Fully automatic ultra-miniature electronic camera combines computerized circuitry with fine optical qualities to produce outstanding results. Built-in ic automatically sets the correct exposure setting ensuring ease of operation and maximum reliability under all light conditions. Yashinon-DX $\$ / 2.818 \mathrm{~mm}$ lens gives sharp images. Exposure can be set manualty, automatically, or locked in an infinite range of settings from EV 0 (f/2.8 at 8 sec .) to EV 15 ( $\mathbf{t / 1 3}$ at $1 / 350 \mathrm{sec}$.). Convenient pull lever quickly advances film, counts exposures, and charges shutter. Parallax correction frame, visible in viewfinder, allows accurate framing when shooting closeup. Camera measures only $4^{\prime \prime} \times 4 / s^{\prime \prime} \times 11 / 2^{\prime \prime}$. Comes complete with flash attachment, right angle viewfinder and chain strap. Imported. Shpg. wt., $11 / 2 \mathrm{lbs}$.
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3.39

32 P 47749 Batteries for above. Pkg. of 2 ...............Net
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EVERFLASH INSTANT LOAD CAMERAS

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- The Flash Cameras That Never Need Flashcubes
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Model 10. Features the economy and convenience of a built-in efectronic flash in an easy-to-operate compact instant-load cartridge camera. Delivers beautiful, sharp snapshots or slides In color or black and white. No need to carry bulky flashcubes with you anymore or run. out of flashcubes when that "special" shot comes along. Up to 100 flash shots per set of ordinary "AA" batteries. Built-in "Ready Light" indicator tells you that thz next flash shot is ready, $\mathbf{1 / 1 0 0 0}$ th second flash speed for "stop action" photography. Bright optical viewfinder and color-corrected 3 element Triplet glass lens. Uses 126 cartridge film. Wrist strap included. Shpg. wt., 2 lbs. 15 P 84176 L No Money Down*.
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Monel 30. Exciting, convenient-fully automatic instant load camera Exposure setting is automatically controlled by an electric eye, permitting rapid shooting under varying light conditions. Buitt-in electronic strobe light and rechargeable nicad batteries for clear, crisp pictures even under adverse light conditions; you never need a flashbulb. Flash-test button tells you when flash is ready and checks batteries. Color corrected $\mathbf{1 / 5 . 6}$ Triplet glass lens produces sharp images. Reliable solid-state electronic circuitry. Uses 126 cartridge film. Shpg. wt., $21 / 2$ lbs.
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- Slides Returned Mounted, Ready for View. ing or Showing: - Convenient, direct-mail "maliers" in every roll.
After the complete roll has been filmed, put it into the matier, drop into a mailbox and in a few days your finished films are delivered postpaid to your door. You get $31 / 2^{\prime \prime}$ square prints with $\mathrm{cx}-126,31 / 2 \times 41 / 2^{\prime \prime}$ with C-110 and $31 / 2^{\prime \prime} \times 5^{\prime \prime}$ prints with cx-135 color snapshots. Should you get less than the full number of prints or printable negatives per roll you will receive coupon for additional FREE prints. DO NOT MAIL FILM TO LAFAYETIE RADIO. Av. Shpg, wt., 8 oz.


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For use with standard flashcube cameras. 8 lash pictures without changing bulbs. Pkg. of 3 cubes takes 12 plctures. Shpg. wt., 3 oz.
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New Magicube Type X used with new Kodak series " $X$ " cameras only. Pkg. of 3 cubes, takes 12 snap. shots. Shpg. wt., 3 dz .
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Interchangeable lenses designed for use with single lens reffex cameras. Each preclsion lens is hard coated and fully color corrcted. Shipped Prepaid Directly From Factory. No C.0.D. Send Full Remitance or Use Lafayette's Easy Pay Plan*.

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High quality, fully automatic lenses for many SLR cameras including Canon FL; Exakta, Minolta SR series, SRT 101: Miranda F, FV, G, Sensomat, Sensomat "RE," Sensorex, Sensorex $\mathrm{II}_{i}$ Nikon; Pentax and Topeon. Lenses have click stops, depth of field scale and manual diaphragm control when needed. Full lens versatility. Specify make and model of camera.

| Stock No. | Auto Lens | Closesf Focus | Net |
| :---: | :---: | :---: | :---: |
| 15 P 372812 | 28 mm f/2.8 W.A. | $18^{\prime \prime}$ | 5 |
| 15 P 374892 | $35 \mathrm{~mm} 4 / 2.8$ W.A. | $2 '$ | 64.00 |
| 15 P 372992 | 135 mm f/2.8 Tele. | 6 | 83.70 |
| 15 P 374972 | $135 \mathrm{~mm} \mathrm{f/3.5}$ Tele. | $6^{\prime}$ | 59.75 |
| 15 P 373072 | $200 \mathrm{~mm} \mathrm{f/3.5}$ Tele. | $10^{\prime}$ | 98.50 |
| 15 P 373152 | $300 \mathrm{~mm} / 15.5$ Tele. | $20^{\prime}$ | 119.85 |
| 15 P 375132 | $400 \mathrm{~mm} / 1 / 6.3$ Tele. | $30^{\circ}$ | 133.40 |
| 15 P 373232 | $90.230 \mathrm{~mm} \mathrm{f/4}$ |  |  |

## SOLIGOR AUTOMATIC LENSES FOR KONICA AUTOREFLEX "T" CAMERA

| Stock No. | Auto Len\$ Clo | Closest Focus | Net |
| :---: | :---: | :---: | :---: |
| 15 P 376122 | 28 mm f/2.8 W.A. | 18" | 109.95 |
| 15 P 376202 | $135 \mathrm{~mm} / 12.8$ Tele | $6^{\prime}$ | 94.95 |
| 15 P 376382 | $200 \mathrm{~mm} \mathrm{f/3.5} \mathrm{Tele}$ | $10^{\circ}$ | 115.95 |
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## SOLIGOR PRESET LENSES

Low cost preset lenses for limited budgets. Compact, precision optics for most SLR cameras. Full range of focal lengths from wide angle to long telephotos to make previously "impossible" shots a reality. Specify make and model of camera.

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| :---: | :---: | :---: | :---: |
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| 15 P 373492 | $35 \mathrm{~mm} / 13.5$ W.A. | $2^{\prime}$ | 38.35 |
| 15 P 375212 | $105 \mathrm{~mm} \mathrm{//2.8} \mathrm{Tele}$. | $4^{\prime}$ | 49.90 |
| 15 P 375392 | $135 \mathrm{~mm} / / 2.8$ Tele. | 5 | 56.65 |
| 15 P 373642 | $135 \mathrm{~mm} / 13.5$ Tele. | 5 | 40.75 |
| 15 P 373722 | $180 \mathrm{~mm} \mathrm{f/3.5} \mathrm{Tele}$. | $7.5{ }^{\prime}$ | 56.70 |
| 15 P 375472 | $450 \mathrm{~mm} / 1 / 8$ Tele. | $25^{\prime}$ | 87.00 |
| 15 P 375542 | 90-230mm $/ 1 / 4.5$ Tele. 200 m | n $8^{\prime}$ | 128.80 |

## GENUINE MIRANDA AUTOMATIC LENSES FOR MIRANDA "SENSOREX EE" CAMERA

with CASE and HOOD

| Stock No. | Auto Lens | Closest Focus | Net |
| :---: | :---: | :---: | :---: |
| 15 P $37653 Z$ | $28 \mathrm{~mm} / / 2.8$ W.A. | $18^{\prime \prime}$ | 162.00 |
| $15 \mathrm{P} 37661 Z$ | $35 \mathrm{~mm} / / 2.8$ W.A. | $18^{\prime \prime}$ | 119.95 |
| $15 \mathrm{P} 37679 Z$ | $135 \mathrm{~mm} / / 2.8$ Tele | $6^{\prime}$ | 162.00 |
| $15 \mathrm{P} 37687 Z$ | $135 \mathrm{~mm} \mathrm{f} / 3.5$ Tele | $6^{\circ}$ | 119.95 |

## CLOSE-UP ATTACHMENT FOR KODAK INSTAMATIC CAMERAS <br> 

Add to the versatility of your Instamatic camera with this handy close-up attach. ment. Slips easily onto the front of the lens. For use with all black and white. and color films. Shpg. wt., 4 oz.
For instamatic $100,104,124,134,150$, 154, 174, X-10, X-15
15 P 36507
Net 2.49
For Instamatic $300,304,314,400,404$, 414. X-25, X-35, X-45 15 P 36515

Net 2.45

## Exalco AUTO-BEAM ELECTRONIC STROBE FLASH

## (5, 45

- Needs No

Calculations or Aperture Adjustments

Perfect flash pictures every time! Fully automatic computerized light output control provides the exact amount and duration flash needed for any shot. No more guess work, adjustments, or poorly exposed pictures. Also operates non automatically, Guide No. 46 (ASA 25). Effective range (Auto): $1.2-16.4 \mathrm{ft}$. Up to 200 flashes (on alkaline batteries) with 7.9 sec . recycle time. Flash duration: $1 / 30,000-1 / 1$, 600 sec . Operates on " "AA" batteries (not supplled) or $117 / 220.240 \mathrm{VAC}, 60 \mathrm{~Hz}$. With AC line cord. Size: $4 \mathrm{H} \times 1 \frac{1}{2} \mathrm{~W} \times 3^{\prime \prime} \mathrm{D}$. 1 m ported. Shpg. wt., 120 oz.
15 P 36812 L No Money Down* ...Net 54.95 "AA" Alkaline Batteries for above. 99 P 638284 required ....Net ea. . 45

## LENS SET FOR POLAROID CAMERAS <br> $38^{\circ}$ <br>  Money

Telephoto lens increases the focal length of the lens and results in a 3 times area magnification. Wide Angle tens provides a $75 \%$ increase of subject area. Each lens has a "conversion band scale." Supplied with slip-on adapter ring, view finder and case with shoulder strap. Imported. Wt., 11/4 lbs. For Polaroid Models 100, 101, 103, 230, 240, 250, 340, 350, 360 and 400 series. 15 P 49237

DELUXE ELEVATOR TRIPOD


## $13^{3}$

- 3-Sections Extend to 60"

Stability and miniman, weight make for easy portability. Suitable for both still and movie cameras. Quick column lift allows you to raise camera in a jiffy and lock it at desired height. Reversible pan-tilt handie permits right or left handed operation al varying heights. 3 . section non-binding alumilited tubular legs have grip-tile internal lock and non-slip, protective feet. Constructed of sturdy lightweight die-castings and cycolac. Overall extended helght: $64^{\prime \prime}$. Closed length: $22^{\prime \prime}$. Shpg. Wt., $33 / 4$ lbs.
15 P 68021 ..Net 13.50

## WIDE ANGLE AND TELEPHOTO LENSES for KODAK INSTAMATIC CAMERAS



As Low As

Increase your cameras' versatility with a wide angle or telephoto lens. No adustments necessary. Just slip on the lens and shoot. The telephoto increases the focal length and results in a magnification of about 2 times the image size as compared with the normal lens. The wide-angle lens decreases the focal length and results in an increased subject area of about $75 \%$. Each lens includes a built-in viewfinder. Shpg, wt. 4 oz .
For Instamatic Models-
104, 154, 100, 150, 124R, 174R Hawkeye 50.
15 P 49351 Wide Angle Lens .... Net 6.60 15 P 49369 Telephoto Lens ......Net 6.60

Complete Lens Set of Wide Angle, Telephoto, View finder with Case.
(Not Illustrated). Shpg. wt., 3/4 lb.
For Instamatic Models-314, 414
15 P 49575
Net 19.95
For Instamatic Models-714, 814, X.90
15 P 49583 ....................................... 19.95
For Instamatic Models-704, 804, 700. 800
15 P 49401 ................................Net 19.9
For Instamatic Madels-X-15, X-25, X-30
15 P 49617 ................................Net 19.95
For Instamatic Models-X-35, X-45
15 P49625

# LAFAYETTE CUS Exposurre Meter 

## $15^{10}$

\author{

- High Quality, Ultra-Sensitive-Measures Moonlight, Candlelight, Bouncelight <br> - With Padded Vinyl Carrying Strap Case and Neck Strap
}

Achleve correctly exposed photographs and slides from the light of a single candle with this versatife low cost Lafayette meter. Uitra-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 built-in hemispheric diffuser, $50^{\circ}$ angle of coverage provides good averaging of subjects for proper exposure. Has battery test switch for malntaining accurate readings. Provision for zero adjustment. Long life mercury battery (included) assures accuracy over continuous use. Precislon jeweled mechanism in high Impact case. Slze: $33 / 4 \times 21 / 8 \times 11 / 4^{\prime \prime}$ D. With padded vinyl carrying case and neck cord. Imported. Shpg. wt., 1 lb .
99 P 71961 L
Net 15.70

## SPECIFICATIONS

Sensitivity: Low Range, 0.275 to 444 footcandles; High Range, 444 to 36,674 footcandles. ASA Film Speed hange: 6 to 12,000 . DIN: 9 to 42 , Diaphragm $\$$ tops: $i / 1$ to $~ / / 32$. Shutter Speeds: $1 / 8000$ to 8 minutes. Movie Scale: 8 to 128 frames per second. EV Scaie: -3 to +22 . Acceptance Angle: $50^{\circ}$. Color Response: 6,200 Angstroms (peak). Photocell Type: cadmium sulphide. Battery: 1 mercury, RM-625 or equlvalent.

## SOLIGOR "SELECTOR" DUAL RANGE CdS METER



Take perfect readings from moonlight to brilliant sunlight. Low range for normal conditoons; high range increases sensitivity 125X for difficult lighting conditions, Large computer dial clearly indicates correct exposure possibilities. Accepts film speeds from ASA 6 to 6400 . "ip" stops from $/ / 1$ to $/ / 32$, and shutter speeds from 30 secs. to $1 / 2000$ th of a sec. EV scale: -4 to +20 , Cine: $8-32$ fps. On/Off switch, zero adj., and battery test. With case, neck strap, and battery. Imported, Shpg. wt., $2 / 2 \mathrm{lb}$.
15 P 37562 L

## LAFAYETTE ELECTRONIC STROBE FLASH



Ughtweight strobe weighs under 7 oz . with batteries. small size: $31 / 4 \times 23 / 6 \times 13 / 6{ }^{\circ}$. Hot shoe adapter aliows vertical or horizontal use for best 9 lash coverage. Recycles in 7. 10 seconds on 2 easily replaceable penlight batterles. Kodachrome II (ASA 25) guide no. of 28 . Flash duration: $1 / 2000 \mathrm{sec}$. Color temperature: 6000 K . on/Off switch to prolong battery ilfe. Neon lamp signals when strobe is ready to fire. Built-in PC cord pren vents loss. Imported. Shpg. wi., $7 / 4 \mathrm{th}$.
99 P 71128
.Net 11.60
" $A$ A" Alkaline Batteries for above (2 req.)
99 P 63828 .........................Net ea. . 45

## LAFAYETTE "35" CLIP-ON

 EXPOSURE METER

- ASA Scale 10 to 1000

Exceptlonally 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 $/ / 1.4$ to $/ / 22$. Mounts on camera or may be hand held. Complete with leather case and instructions. Imported. Shpg. wi., 1/2 lb.
99 P 70344
..Net 6.75
SOLIGOR MK-7 ELECTRONIC STROBE FLASH


Compactness and versatility make this, unit a natural companlon for all cameras. Fea. tures AC-DC operation. Has new color-corrected "Golden" Flash tube for sharp perfectly balanced color pictures. Gulde No. 28 for ASA 25. 200 flashes with Alkaline batteries. "Redi-1tght". Flash duration $1 / 2000$ th sec. Coverage: $60^{\circ}$ Horizontal $55^{\circ}$ Vertical, Recyciling time: 8 sec. on batterles, 5 sec. on AC. Color temperature $5700^{\circ} \mathrm{K}$. Extra long AC power cord. Requires 2 penlight batteries for DC operation Slie: $1 \times 21 / 4 \times 31 / 4{ }^{\prime \prime \prime}$. 15 P 37570 Shpg. wt., 1 tb. ....Net $19.95^{\circ}$ "AA" Alkallne. Batterles for above (2 req.) 99 P 83828

Net ea. . 45

## YASHICA neterass

 GS 35MM- Sensitive CdS Sensor
- Electronic Exposure Control: 30 Sec . to $1 / 500 \mathrm{Sec}$.


## $99^{95}$



MODEL ELECTRO-35GS. Advanced 35 mm rangefinder camera with the "electronic brain". Sensitive solid-state circult reads the existing lighting conditions and automatically sets the proper shutter speed at a preselected aperture. Continuously variable range of shutter speeds from 30 sec . to $1 / 500 \mathrm{sec}$. For maximum reliability when shooting flash. contacts are finished in gold providing very low resistance and long life. Also features coupled range/viewfinder focusing with automatic parallax correction, built-in self timer, shutter release lock, accessory shoe for flash or other accessories, battery checker. ASA: $\quad 12-500, X$ sync. Sharp $\$ / 1.7,45 \mathrm{~mm}$ color corrected lens. Imported. Shpg. wt., 3 lbs.
15 P 36754 L No Money Down* ..........................................t 99.95

## MIR i NDA ${ }_{\text {SENSORET }}$ 35MM COMPACT

\author{

- Pocket-Sized, Full frame <br> - Fully Automatic. Electronic Shutter <br> \section*{$99^{95}$}
}


This fully automatic compact incorporates everything for both the novice and the knowledgeable photographer. It features an advanced electronic shutter with speeds of 4 sec . to $1 / 800 \mathrm{sec}$., automatic flash exposure system and an exclusive, $1 \mathrm{f} / \mathrm{stop}$ over and underexposure of the auto meter. It also features a hot flash shoe, singlestroke film advance lever and a quallty wide-angle $38 \mathrm{~mm} \mathbf{f / 2 . 8}$ Miranda/Soligor lens, coupled to an ultra-bright range-finder focusing system. Minimum focus 3 feet. The camera weighs only $141 / 202$. and measures just $41 / 2^{\prime \prime} \times 21 / 2^{\prime \prime} \times 2^{\prime \prime}$. Imported. Shpg. wt., $11 / 4$ tbs. 15 P 37604L No Money Down* ......................................Net 99.95

## SEMI-AUTOMATIC SLIDE PROJECTOR

AIREQUIPT
REMOTE CONTROL SLIDE PROJECTOR

$39^{95}$

- With Circular Magazine For 100 Slides
- Panel Focusing and Controls

Model 125. Semiautomatic slide projector with 500 -watt lamp and a $4^{\prime \prime}$, 3-element color-corrected lens for bright, clear viewing pleasure. Features an efficient blower for long lamp life, cool, quiet operation and low slide temperature, Slide pre-heat to as. sure immediate focus. Also includes a 3-way on/off switch, panel focus control and elevation control, Handsomely styled housing and cover are of unbreakable, lightweight Cycolac. Complete with circular slide magazine. Shpg. wt., 9 lbs
15 \% 36531 W No Money Down* .. Net 39.95


- Remote ControlForward/Reverse and Micro-Focus
- With Circular Magazine For 100 Slides
Model 135. Fully remote controlled, jamproof projector with a sharp. $4^{\prime \prime}$ color-corrected lens and a 500 -watt lamp for brilliant screen viewing. Features a highiy efficient blower for cool, quiet operation, slide preheat to insure immediate focus, elevation control, 3 -way on/off switch, panel focus control, remote control for forward/reverse and micro-focus. Smartly designed, self-contained, unbreakable case. Complete with circular slide magazine. Shpg. wt., 12 bs.
15 P 36473 W No Money Down* .. Net 59.95


## ELECTRONIC FOCUS SLIDE PROJECTOR

 - Remote Control for Forward/Reverse and Micro-Focus- Automatic, Electronic Focusing

Modél 660. A combination of functlonal design and precision engineering. Features solid-state eiectronic focusing, brilliant $4^{\prime \prime}$ f/3.5 color-corrected lens. Remote controlled forward/reverse as well as remote controlled focusing. 3 -way on/off switch, 500 -watt lamp. elevation and leveling controls. Whisper quiet cooling system provides long lamp life and low slide temperatures. Attractive cover and housing of lightweight cycolac for durebility. Complete with one circular and one metal magazine. Shpg, wt., $141 / 2 \mathrm{Bbs}$,
15 P 36762W No Money Down*...Net 99.95

15 P 36499 36-Slide Metal Magazine. Wt., $1 / 2$ Ib, ...Net 2.4915 P 36481100 -Slide Circuiar Magazine. Wt., $11 / 2$ Ibs.
Net 2.95

## 35MM SLIDE SORTER

The illuminated $11^{\prime \prime} \times 15^{\prime \prime}$ inspection scrsen is large enough to see a whole tray full of sildes (35) at one time. Folds flat in a llify for compact storage, bullt-3n illumination with on-off switch, 6 ft . Iine cord; can be used with 110 or 120 volts, $A C$ or $D C$, size: $15 \times 81 / 2 \times 81 / 2^{\prime \prime}$. Shpg. wt., $13 / 4 \mathrm{lbs}$.
15 P 36168
Net 3.49

## AIREQUIPT SLIDE STACKER

- Automatic Through The Lens CdS Meter
- Spot and Averaging Meter


## 29995

Designed to provide the creative flexibility demanded by professlonat photographers yet have the operational simplicity needed by the novice. Fully automatic or manual Miranda Sensorex EE offers a host of refined useful features including a built-in CdS exposure circuit which automatically selects the correct lens opening for either average or spot lighting conditlons. Sharp $50 \mathrm{~mm} f / 1.8,4$ group, 6 element lens delivers superb resolving power. Features include an Interchangeable pentaprlsm viewfinder, universal bayonet lens mount, varibale delay self-timer, depth-of-field preview, focusing down to $17^{\prime \prime}$, and FP $+X$ synchronized hot shoe. Focal Plane shutter speeds: B, 1-1/1,000 sec. EE coupling range: EV3-18, ASA 25-1600. Imported. Shpg. wt., 4 lbs. 15 P 37588 L No Money Down*

Net 299.95

## Minolfa SRTT 101 35MM SLR



A quality SLR featuring Minolta's "contrast light compensator" thru-the-lens CdS metering system, Exposure "match-needles" in viewfinder respond to change in aperture and/or shutter speeds. Exposure readings not affected by light entering viewfinder. Shutter speed scale vistble in viewfinder. Readings are taken with lens wide open. ASA range is $6-6400$. Features an instant return mirror; a focal plane shutter with speeds from 1-1/1000th plus B; FP\&X synch.; auto-reset frame counter: self-timer, mifror lock, depth of field preview, and built-in accessory shoe. Includes a $55 \mathrm{~mm} / / 1.7$ lens, case and strap. Imported. Shpg. Wt., $41 / 4 \mathrm{lbs}$.
15 P 34551 L No Money Down*
Net 259.00

## 



Fully coupled, behind-the-lens, CdS exposure meter system measures illumination at full aperature. Match needies visible in viewfinder. ASA range $10-800$. Finder uses a microprism dot at the center for more accurate focusing and a fresnel screen for bright, edge-to-edge viewing, Fast $f: 1.9,50 \mathrm{~mm}$ lens features bayonet mounting and fully automatic diaphragm, Camera accepts full range of Kowa lenses. Features easy-loading, leaf shytter, $1-1 / 500$ th plus B, rapid film advance, auto-reset film counter, seif-timer, $M$ or $X$ sync. Imported. 15 P 63055L Shpg. wt., 3 lbs. No Money Down*

Net 119.95

## MIRANDA "SENSOREXI"

 35MM SLR- Behind The Lens
 CdS Meter
- Interchangeable Viewfinders


## $249^{95}$ <br> with case

Fully automated SLR camera features full aperture readings, plus a unique zone metering system that will even handle backlit subjects. Eye-level pentaprism with micro-split image rangefinder and hot shoe is interchangeable for tremendous versatility. Matched-needle CdS meter is fully coupled and has an ASA range of $25-1600$ (EV 3-18). Equipped with fully-automatic $50 \mathrm{~mm} \mathrm{f} / 1.8$ coated lens. Unique dual lens mount permits use of lenses with either 4 -claw bayonet or 44 mm screw mount. The focal plane shutter has speeds of $B, 1$ $1 / 1000$ th sec., and has FP and $X$ synchronization. Other features include variable delay self-timer, instant return mirror, rapid film advance lever, film counter, fast load take-up spool, and depth of field preview button. Shpg. wt., 4 lbs.
15 P 37596L No Money Down* $\qquad$
MIRANDA "SENSOMAT"RE 35MM SLR

- Thru-The-Lens CdS Meter
- Shard 50 mm F/1.8 Lens
$169^{95}$
with case
"Sensomat" Is a fruly 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 vlewfinder 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 spool, fully Interchangeable finder and lens systems, shutter speeds of 1-1/1000th pius B \& X synch., automatic reset film counter with a magnifying iens, and a front and top shutter release for greater convenience. Focus from $17^{\prime \prime}$. Camera includes 50 mm f/1.8 auto lens, case and strap. Imported. Shpg. Wt., 4 lbs.
15 P 374711 No Money Down*
..Net 169.95


## DELUXE LENTICULAR SCREENS

- Automatic Lever-Type Handle Permits Smooth Easy Adjustment


Specially-designed, optically-correct Ienticular screen is free of glare, sheen and hot spots. Amazing sharpness and color rendition. Durable vinyl fabric resists fire and fungus. Sturdy, secure tripod legs. Screen is $40 \times 40^{\prime \prime}$. Shpg. wt., 10 lbs.
15 P 50052 W
Same as above. Extra Large $50^{\prime \prime} \times 50^{\prime \prime}$ Super Screen-Ideal for New Super 8 Movies. Shog. wt. $121 / 4 \mathrm{lbs}$.
15 P 50219 W
Net 18.69

# Deluxe Dual 8 MM Movie Projectors \& Editors 

## DedIn DUAL 8 mm Zoom PROJECTOR FOR BOTH SUPER AND STANDARD 8



Model 2388. Standard/super 8 mm projector combines 500 -watt brilliance and a fast $\$ / 1.6$ color-corrected, coated lens for vivid screen viewing. Automatic threading design features Adjusto Matic control for proper feed onto take-up reel. Accepts reels to 400 ft . capacity. Quiet, cool operation. Automatic rewind, framing controi, elevation adjustment, focus control, film trimmer and automatic tensloning. Handsome, self-contained carrying case with handle. Supplied with 400 ft . empty film reet. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., 10 lbs .
15 P 78269w No Money Down*
Net 59.95

## DelllR DELUXE DUAL 8 mm Zoom PROJECTOR For Both Super

 And Standard 8Movie Projector That Thinks It's A Slide Projector

- Forward And Reverse
- Slow Motion Plus Variable Speed
$109^{55}$
Eldorado $888 A 2$ movie projector with the advanced features of variable speed control, true slow motion and forward or reverse projection. $100 \%$ illumination lor extended "still" projection and cool, quiet operation. With sturdy diecast aluminum case. 400 ft . reel capacity, built-in automatic room light receptacie, automatic reet-toreef threading, fast rewind, built-in film trimmer ilfetime lubrication and a self enclosed rarrying case with handle. Sharp $f / 1.5$ zoom lens for excellent sharpness. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., 10 lbs .
15 P 52140W No Money Down* ......................................Net 109.95

Delivers sharp, clear pictures with even corner to corner brightness. Great for individual or small group use. Needs only 8 inches of space yet pro-
 vides a $31 / 2 \times 4^{\prime \prime}$-picture. Operation is simple enough for children to view alone. Film automatically rewinds at the press of a button. View film in motion or in still life frame by frame. Features focus control. Projects with brifliant detail under normal lighting conditions. No need to set up a screen or darken the room. Handies reels up to 50 feet. Imported. Shpg. wt., 5 lbs.
15 p. 71009 No Money Down*
Net 39.95

ATLAS.WARNER DUAL 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, built-in focusing and framing controls, frame marker and lamp switch. Has film protecting heat filter, geared 400 ' capacity rewinds. UL listed.
15 P 62008 Shpg. wt., $3 \frac{1}{2}$ lbs.
. Net 16.75

17 sq. in. viewing area, film notches in exact frame that Is being viewed. Takes reels up to 400 ft . Smooth and rapid geared rewind. Adjustment knobs for focusling and framing. Foldaway arms. Includes splicer and splicing tape. Size: $91 / 2 \times 7 \times 61 / 2^{\prime \prime}$. UL listed.
15 P 84093 Shpg. wt., 83/4 Ibs.
Net 26.95


## CAMERA FEATURES

ZOOM PROJECTOR FEATURES

\author{

- 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 200 m reflex camera features thru-the-lens CdS automatic exposure control, fast $/ / 1.8$ 3-to-1 manual of power zoom, insufficient light indicator, electric film drive, buift-in type A filter, focusing eyepiece, and drop-in loading. Fully automatic 500 watt brilliance dual 8 projector has $\$ / 1.5$ zoom lens, automatic reel-to-reel thru gate threading, single knob control for forward, reverse, still. fast forward and automatic rapld rewind. 400 foot capacity

SUPER GOOE ELECTRO 6.1 POWER 200M

- $8.48 \mathrm{~mm}\{/ 1.8$ Automatic Zoom Lens
- Motorized-3-Speeds
- With Ulitra-Modern Servomatic CdS. Thru-the-Lens Exposure Control
- Reflex Viewing


## Only <br> $174^{95}$

No Money Down*
Super 600 Electronic reflex camera with fast $\mathbf{f / 1 . 8}$ lens zooms from 8 to 48 mm . Automatic CdS through-the-tens exposure system and micro-split focusing. Super 8 drop-in cartridge loading, no threading Shoot 50 ft . without rewinding. Other features include film type indicator window, paraflaw free reflex viewing, shutter trigger with coninuous run button, spotlight and backlight lighting control, automatic im ASA speed selector insufficient light indicator, remote controt 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 fps. Imported. Wt.,41/2 ibs 15 P 367701 99 P 63703 Batteries for above. (4 rea.) ....................tea. 18

- Dual-For Both Super and Regular 8
- Automatic Reel-to. Reel Threading
- 400 foot film Reel Capacity
projector inctudes self-contained case, film trimmer and room light outlet. Outtit also includes camera case, roll of GAF color movie flim with processing, 650 watt sealed beam movie light, batteries, and "Guide To Better Home Mavies" book. Shpg. wt. 20 lbs.
15 P 78228 w No Money Down*
Net 164.00
5 P 78236L Camera Only. Shpg. wt., 21/2 lbs. ....Nei 79.95 15 P 78244 W Projector Only. Shpg. wi., 11 lbs. .....Net 84.00


## argus/cosina POWER ZOOM SUPER 8 MOVIE CAMERAS

 When lighting conditions are too extreme, an exposure warning signal appears in the viewfinder. The metering system has a manual override for use in unusual situations, and is powered by a mercury battery, included. The metering system can handle film speeds (ASA) of between 25 and 160. Eyepiece has adjustable diopter control. Three filming speeds-12, 18, and 24 frames per second, plus single frame advance. Lock-run switch. Builtin battery tester. Automatic film footage counter. Built-in type A filer. Foldaway pistol grip. Shpg. wt., 21/4 lbs.
15 P 34577 L No Money Down* $\qquad$ Net 114.95 99 P 63703 Batteries for above ( 4 req.) .............Net ea. . 18 Model 708. Similar to above, except //1.7 8-1 power zoom lens, and microprism rangefinder focusing. Shpg. wt., $21 / 2 \mathrm{lbs}$.
15 P 34585 L No Money Down*
Net 174.95
99 P 63703 Batteries for above (4 req.) ............Net ea. . 18

# ELECTRONIC 8-DIGIT CALCULATOR with "CONSTANT" FUNCTION plus FIXED and FLOATING DECIMAL 

- Adds, Subtracts, Multiplies, Divides
- Performs Mixed Calculations
- Single-Chip Algebraic Logic

No Money Down ${ }^{*}$

Compact, solid-state electronic digital calculator with 8 -digit input and display. Perfect for home or office! Valuable features include "Constant" function for multiplying or dividing a series of figures by a preselected locked-in numberfor calculating interest, etc. Decimal placement switch for Fixed or Floating decimal. Floating decimal accurately carries computations out to completion. Selectable Fixed position decimal automatically rounds-off totals to 2, 3, 4 or 5 places. Overflow Indicator and Minus Indicator for easy checkbook balancing. Clear-Entry button corrects errors without disturbing previous entries. Black plastic cabinet with detachable AC line cord, and On/Off switch. Size: $57 / 6 \mathrm{~W} x$ $31 / 2 \mathrm{H} \times 91 / 4 " \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg, wt., $31 / 2 \mathrm{lbs}$.
15 P 54005 L
Net 99.95


## Unitrex ELECTRONIC 12-DIGIT CALCULATOR with MEMORY and CONSTANT

- Memory Stores Any Number at the Touch of a Button
- Add, Subtract, Multiply, Divide-In Less than a Second

Model 1200 M . Versatile solid-state 12 -digit electronic calculator with deluxe "Memory" system that stores any number for future reference, calculation. etc. Separate Memory Recall. Clear, Plus, and Minus buttons permit instant recalling, adding to, subtracting from, changing, clearing, and re-storing your "memorized" figure. "Constant" feature lets you quickly multiply or divide a series of figures by one preselected locked-in number. Also performs complex chain and mixed calculations. Selectable-position fixed decimal automatically rounds-off answers to $0.1,2,3,4$ or 5 places, suppressing unnecessary zeros. Green "Minus" light automatically indicates negative results. Automatic Overflow Indicator shows when calculations exceed 12 -digits. Continuous sub-iotal. Two-tone grey cabinet with detachable AC line cord and On/Off switch. Size: $71 / 2 \mathrm{~W} \times 21 / 2 \mathrm{H} \times 91 / 2^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$.
15 P 10502 L Shpg. wt., 5 lbs.
Net 149.95
Model 1200. 12-digit calculator similar to above, less "Memory" and "Con-

EGE SMITH-CDRONA "FIGUREMATIC"
PORTABLE ELECTRIC ADDING MACHINE $74^{95}$


- Totals 8 columns to \$999,999.99

No Money Down*
A fast-figuring electric portable that adds, subtracts and multiplies. Full-featured construction with 10 keys. Add-Subtotal, Subtract-Total, and Repeat. "Clear" and digital indicator are combined. Lists 7 columns of figures. New, easy-load ribbon cartridge gives thousands of extra prints. Easy to carry-the cord tucks in, stylish dust cover snaps on, buritt-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 Hz , AC. Shpg. wt., 10 lbs. 15 P 40079W

Net 74.95
Adding tápe for above $21 / 2^{\prime \prime}$ wide.
15 P 40061 Shpg. wt., 10 oz.
.Net ea:
.39


## COPYMATE III DRY COPIER

- No Messy Liquids, Powders, Sprays or Inks
- Copy Letters, Photographs, Pages Bound in Books


#### Abstract

Easy to use and economical dry copier for home and office. Anyone can make permanent Dlack-on white copies of documents, recipes, etc. in less than 30 seconds, regardiess of color or thickness up to size $81 / 2 \times$ 11". No messy chemicals, inks, powders or sprays; uses two ordinary 150 watt frosted bulbs and "Copymate" paper. Features a built-in automatic timer that determines 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 panel controls and pilot light. For $110-120$ VAC, 60 Hz . UL listed. Size: $221 / 4 \times 171 / 2 \times 61 / 4^{\prime \prime}$. Shpg. wt.. 9 lbs. 15 P 46043 W No Money Down* Net 49.95


## "Copymate" Paper. 33 sheets per ping. Shpg. wt., $1^{11} 2 \mathrm{lbs}$.

15 P 46027
Net 3.25
Table for Copymate III. Shpg. wt., 10 lbs.


- Console Type Case Cover

No Money Down*
Charger. 11. Rugged, lightweight portable typewriter, ideal for students and home use. All steel construction ensures years of solid performance and dependability. Compact design features a full size 84 character keyboard. Additional features include: jann release key, 2 color ribbon, stencil position, half-space ratchet. line drawing aperture, measuring scale and card holder. Comes with console type case cover. Pica type. Size: $141 / 2 \times 15 \times 51 / 2^{\prime \prime}$. Imported. Wt., $111 / 2 \mathrm{lbs}$.
brother
ECHELON 89
ALL STEEL COMPACT


Echelon 89. Space-age engineering comes to popular priced typewriters automatic spacing at the fouch of a button without electricity. Other fealures include full 88 character keyboard. lam release key, touch adjustment, half space ratchet, key-set tabulator, variable line spacer, measuring scale and card holder, 2 color rlbbon and stencil selector and line drawing aperture. Comes with attractive luggage type carrying case wlth lock and key. Pica type. Size: $16 \times 18 \times 8^{\prime \prime}$. imported. Shpg. wt., $161 / 2 \mathrm{ibs}$.
15 P $17143 W$
Net 66.95


EAEइMITH-CORONA CORONA 70 ELECTRIC PORTABLE TYPEWRITER

## - Precision Electric Keyboard

- Key Set Tabulator

Student-priced-styled for the $70^{\circ}$ s. Precision portable electric typewriter with big machine features. Has push-variable platen, repeating space bar, electric segment shift, removable easy-to-clean platen, key set tabulator (more than 80 stops) and quick-set visible margins Also features a forward glide deck and high performance motor. All steel construction. Gentine Naughahyde carrying case. Smartly styled in Aztec blue. Pica troe only. For 110-120V AC. U.L. listed. Wt., $221 / 4 \mathrm{lbs}$. 15 P 40178W.

Net 129.95

# ELECTRIC PORTABLE TYPEWRITER 

## With Fully Electric Repeat Keys Plus Automatic Repeat Spacer!

MODEL 3000 Features a fuli 88 character office keyboard including the,$+=, 1$, .... 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 stencll selector, line drawing aperture, paper meter and scale. Comfort sloped keyboard, eraspir table, and paper support. Comes with lid cover. Pica type. Size: $51 / 4 H \times 14 L \times 131 / 2 \mathrm{~W}$. Im . ported. Shpg. wt., $233 / 4 \mathrm{lbs}$.
15 P 17150W ............................................................................. 99.95


## 

## SMITH-CORONA

CORONET AUTOMATIC 12 ELECTRIC PORTABLE

## - Big 12" Carriage <br> - Fully Powered Carriage-Tabulation-Keys

The Corone Automatic 12 meets the mest exacling nesds of office, home or school-yet travels with flite-lite ease. Full sized heyboard, full length tabulator key sets, clears. Repeat action for dashes, dots, $X^{\prime} \mathrm{s}$, underlines. Repeat spacing; copy-set dial; 3 -position ribbon selectors. $12^{\prime \prime}$ carriage automaticaliy returns and advances to next line. Copy set dial-makes up to 10 carbons. Aztec blue body w/Seamlist keyboard. Pica type. All steel construction. Carrying case inci. 110 120 V 60 Hz, AC, Shpg. Wt., $291 / 2 \mathrm{lbs}$.
15 P 40194
. Net 189.95

# Drafting \& Drawing Supplies 

AUTOMATIC ELECTRIC PENCIL SHARPENER


- Automatic Stopper When Pencil Is Sharpened - Heavy Duty Electric Motor


Model 660 -Idea! for student, artist, draftsman, business firms gives a needle point instantly. Switch automatically stops motor when pencil is sharpened. Easy cleaning with convenient push out recep. tacle drawer. Safe for even a child to use. Sturdy with heavy duty 115 volt AC motor. UL Listed. Imported.
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## INSTANT LETTERING KITS

Sharply defined $1 / 8^{\prime \prime}$ high, Gothic typeface, letters, numerals, and most often used electronic terms. Transfer easily and cleanly onto any smooth, dry surface-paper, metal, plastic, wood, or glass. Not a decal, goes on instantly without water or tapes. Leaves no background haze or film. Looks like it was printed on! Hundreds of characters on $3 \times 5^{\prime \prime}$ sheets in each set. Shpe. wt.. 4 oz.

| Stock No. | Mfgr. No. | No. of Sheets | Kit Includes | Color | et |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 75047 | 9581 | 24 | Letters, words Numerals | Black | 5.95 |
| 32 P 75054 | 9591 | 24 | Letters, Words Numerals | White | 5.95 |
| 32 P 75088 | 9601 ' | 12 | Alphabets Only | Black | 3.00 |
| 32 P 75096 | 9611 | 12 | Alphabets Only | White | 3.00 |
| 32 P 75104 | 9621 | 12 | Numerals Only | Black | 3.00 |
| 32 P 75112 | 9631 | 12 | Numerals Only | White | 3.00 |

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Contains $125^{\prime \prime} \times 7^{\prime \prime}$ sheets- 4 different sheets in 3 colors, black, white and red. Sheets have switch patterns, arcs, graduation lines, letters and numerals etc. for marking rotary and standard swifches and dials. etc.
32 P 75013 per package
Net 5.95
DATAKOAT PROTECTIVE COATINGS. Maximum protection for instant lettering, 7 oz .
32 P 75062 Protective Coating Kit ........................................... 99
32 P 75070 Protective Coating Kit (16 oz, spray can) Net 2.95

LAFAYETTE "Delineator"

- Copies any illus. tration at 1:1 Ratio Up to $10^{\prime \prime} \times 7^{\prime \prime}$ in Size.
- Easy to use-All metal framescaled base.

Only

## 795



The Lafayette "Delineator" will easily copy any illustration up to 7 " $\times 10$ " and reproduce it in full size. The "Delineator" projects a full color image of any subject placed on its easel. on the drawing paper placed below it. You then "trace" the projected image in full scale. Ease of use makes it possible for anyone to reproduce schematics, diagrams, photos, cartoons, drawings, etc. Useful for students, artists, cartoonists, and technicians. Just add pencil and paper for a truly professional sketch kit. Imported. Shpg. wt., 24/2 lbs.
99 P 70476
Net 7.95

## CaCIR

TACROGRAPH SETS

## AS LOW AS <br> 6 95



Drawing pen for all lettering and drawing work. Uses both India and drawing inks. Precision 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). Imported. Shpg. wt., $40 z$.
15 P 80026
Net 6.95
Deluxe Tacrograph Set-Similar to above with 7 precision-crafted points. Case. Nlbs: White-00-very fine; grey-0-fine; yellow- 1 Hght med.; beige-2-heavy med.; green- $21 / 2$-broad; blue-3very broad; red-4-extra broad. Imported. Shpg. wt., 8 oz. 15 P 80034

Net 13.95

## Decorative 2 Drawer Desk

## IDEAL FOR STUDYING AND HOME OFFICE

- Permaneer Finish Resists Heat, Stains, and Scratches
- Easy to Clean


Finely crafted chrome and walnat 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 fook and feel of rich, fustrous hardwood and is stain, heat, and scratch resistant. Easily wipes clean with a damp cloth. Keeps its beautiful woodlike finish with no special polishing care. Desk stands $29^{\prime \prime}$ high on 4 sturdy chrome-plated legs, Desk measures $48^{\prime \prime}$ wide $\times 20^{\prime \prime}$ deep. Easily assembled with just a screwdriver. Shpg, wt., $531 / 2 \mathrm{lbs}$.

## 20 P 16020 WX

Net 29.95
OPTIONAL CHAIR, has contour back with black vinyl fully padded seat. Walnut wood finish matches above desk. 20 P 23059 w Shpg. wt., $93 / 4$ lbs.

Net 12.95

# Drafting \& Drawing Supplies 



TECHNICAL DRAFTING SET

- Center Wheel Adjustment
- Professional Quality
- Made in W/Germany of Nickel Plated Brass
Contains $61 / 9^{\prime \prime}$ self-centering compass, one leg knuckle joint with divider, pencli, pen parts and lengthening bar; $61 / a^{* *}$ self-centering divider; spring bow divider $41 / 8^{\prime \prime}$, center wheel adjustment with interchangeable needle points; spring bow pencil and spring bow pen, both $410^{\circ}$ with center wheel adjustment and interchangeable needle point; two 53 e" ruling pens; extra handle for pen and pencil parts; adjustment tool; lead case and leads; and spare parts wit, all in fitted fined case. Shpg. wt., $11 / 2 \mathrm{lbs}$.
99 P 70039
11.95


## draftefte PORTABLE DRAFTING MACHINE



- Precision Instrument

Modef 9-8-sketch, draft. design, draw diagrams and schematics like a professional. A new DRAFTETTE which glves you all the advantages of a T -square, triangle and protractor in a compact, easy to operate portable drafting machine. Constructed of anodized aluminum, features tubular arms, $360^{\circ}$ protractor, one-piece $6^{\prime \prime} \times 9^{\prime \prime}$ scale calibrated In 16 ths $1 / 8-\frac{1}{4}$. Mounted on a $16^{\prime \prime} \times 21^{\prime \prime}$ draw. ing board, completely assembled ready to use. Shpg. wt., $51 / 2$ lbs.
15 P 74011
.Net 16.95
draftette SKETCH KIT


Model $=68$ portable drafting drawing machine permanently mounted in a vinyl binder (self-locking). Can be used for sketching, designing, drawing, and drafting. Great for traveling. Contains a precision portable drafting instrument with a $4 \times 6^{\prime \prime}$ scale, $360^{\circ}$ protractor, pad of 50 sheets, drawing-tracing paper $81 / 2 \times 11^{\prime \prime}$, pencit, all in one compact binder. Does not require tape or tacks to hold paper in place for use. Binder $91 / 2 \times 13 x$ $1^{1 "}$, Shpg. Wt., 2 1/4
15 P 74029
Net 9.95


## UTILITY DRAFTING SET

- Side Wheel Adjustment
- Made in W/Germany of Nickel Plated Brass
- Professional Quality

Made in Germany of hard rolled, nickel plated brass. All instruments are nested in a fitted, lined case. Contains three side wheet $33 / \circ^{\circ}$ bow instruments-one a divider, one a pencil and one pen. All have reversible needle point. $51 / a^{"}$ compass with pen and pencil parts-and leng thening bar. $51 / 4^{\prime \prime}$ divider with straightening device. $5^{\prime \prime}$ ruling pen. Extra handle for use with pen and pencil parts. Capsuie with extra leads. Perfect for school labs. industrials. Shor wt.. 1 to.
P 21046 ................................ 7.50

## HARD MAPLE PANTOGRAPH

For Enlarging, Reducing, Reproducing



- "Quick-Change" Feature Allows Setting to Any Ratio
A $21^{\prime \prime}$ adjustable pantograph with 21 dif. ferent ratios from $11 / 8$ to 8 . Enlarges, reduces or reproduces drawings, etc. Most rapid, accurate means of reducling or enlarging to scale. Lacquered highly finished bars are $21^{\prime \prime}$ long and $3 / 4^{\prime \prime}$. wide. Heavy ball bearing standard. Chrome plated hardware, ratio thumb screws and nuts. Complete with lead, accessorles and detailed instructions. 15 P 56026 Shpg, wt., 1 lb. .... Net 5.95


## 31" PANTOGRAPH

Similar to above except $31^{\prime \prime}$ long, with 32 ratios. Complete with accessories and In structions. Shpg. wt., 1 tb., 3 oz.
15 P 56067
.Net 7.95
PORTABLE DRAWING KIT


- Can Be Carried or Stored

A folding portiolio conveniently carried or stored. Includes a 12 -Inch $T$-square, a $180^{\circ}$ protractor, a 6 -inch French curve, a 4 inch $45 / 90^{\circ}$ and a 4 -inch $30 / 60^{\circ}$, a 50 -sheet drawing pad and drawing pencll. . Plastic portiolio is $9 \times 131 / 2 \times 1 \frac{1 / 22^{\prime \prime}}{}$. Tools housed in separate pockets. Shpg. wt., 2 lbs. 15 P 14330

An attractively designed drawing set. Consists of 14 drawing aids: $13^{\prime \prime} \times 19^{\prime \prime}$ Basswood Drawing Board. T square, Protractor, French curve, $30 / 60^{\circ}$ and $45 / 90^{\circ}$ triangles, Architect's scale, slide rule. bow compass, $12^{\prime \prime}$ ruler, erasing shield, iettering guide. architect's scalemaster, eraser and lead holder. Shpg. wt., $33 / 4 \mathrm{lbs}$.
15 P 14504
Net 13.95


Made of transparent plastic. Use with either sharp pencil or ink. Each has complete alphabet,' numbers and commonly used signs. Set consists of six guides. Sizes $2 \mathrm{~h}, \mathrm{Kis}, 1 / 4$, Kı. $3 / 6$, and $1 / 22^{\prime \prime}$. Shpg. wt.. 1 lb .
15 P14322 Complete Set
.Net 4.95

## RUBBER TYPE SET



An easy to use printing kit that comes complete with 14-point ( $1 / \mathrm{s}^{* \prime}$ ) rubber type, 22 numerals, over 100 capital letters, punctuation marks, ink pad and tweezers. Print anything from one to four lines long. Special "baselock" type for perfect alignment. Neat, clean, and clear results. Many printing uses in the home or business. Instructions included. Shpg. wt., 3/4 lb.
15 P60010
..Net 3.50

## ELECTRONIC DRAFTING TEMPLATE



ELECTRONIC TEMPLATE. Exceptionalty accu rate! Made to J.I.C. standards. All elements of electronic and CR tubes are provided for -plus tube bases for 7,8 and 9 prong tubes. Includes transistors, dlodes, rectifiers, plugs, etc. Covers all symbols. Size: $7 \times 5^{\prime \prime}$. Thickness: $.030^{\circ}$. Shpg. wt. 4 ozs
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## LaFAYETTE ENGINE DIVIDED SLIDE RULES



## 131/4" VECTORLOG ${ }^{8}$ SLIDE RULE

## For Communications Engineers and Physicists

- Laminated Bamboo Construction
- 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 Carrying Loop and Leather Case
- With $10^{\prime \prime}$ Scale

The Lafayette VECTORLOG slide Rule provides a new concept in scientific calculation, incorporating scales and arrangement designed for quick-easy-manipulation. Twenty-seven (27) scales incorporate the many problems encountered in Electrical Engineerling and Physics. The unique $P_{\text {, }} P \cdot$, and $Q$ scales allow direct right angle vector addition. No longer are several settings required to obtain right angle vector sums-these scales work in the same manner as the C and $D$ for multiplication. The two Hyperbolic Sine and one Hyperbolic Tangent Scale, the voltage do scale, and the flive $\log \log$ scales. provide maximum coverage of these dynamic fields. VECTORLOG is the result of extensive tests for ease of manipulation. Several of these features are: $C$ and $D$ scales on both the front and back of the rule; Sine scales in both degrees and radians, removing the necessity of bothersome conversion of units: a problem-tested location of scales; and adjustable-screws to allow variable tension on the slide. Scales include: (FRONT) Tr-1, TR-2, P', P, Q, ST, S-1, S-0. C. D. LLOL, LLO2. LL03, LL1'; (REAR) Sh-1, Sh-2, DF, A, B, CI, CF, Th, C. D. LL3. LL2, db. With instruction book, leather carrying case, and belt carrying loop. Imported. Shpr. wt.. iv/4 lbs.
99 P 71029 Hllustrated
..Net 17.95

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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 develop speed and accuracy in use of the slide rule. $120 \mathrm{pp} .51 / 2$ $\times 81 / 2$ paperback. Shpg. wt., 8 oz. 10 P 11626

Net 2.95


## $1 / 4^{\prime \prime}$ OR $3 / 8^{\prime \prime}$

 LABELMAKERS- Handy Tape Cut-Off

Home labelmaker 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 $3 / \mathrm{B}^{\prime \prime}$ wheel. Wt.. $3 / 4 \mathrm{lbs}$. 14 P41534 3/a" Model Net 2.75 14 P $410131 / 4$ " Model Net 2.75

## 133/4" DELUXE LOG LOG DUPLI

 DECIMAL TRIGONOMETRIC SLIDE RULE- With $11^{\prime \prime}$ Scale • 25 Scales with 8 Log Log Scales
- Extended Range Avoids "Going Off Scale"
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- Two Color Scales

A log log dupli decimal trigonometric slide rule contains 25 scales including 8 Log Log Scales. Troublesome end-for-end resetting is eliminated by extensions of $C$ and $D$ scales. Twin set of Log $\log$ scales run from 1.001 to 100,000 and .999 to .00001 , enlarging the scale by one scale length each compared with ordinary $10 g$ slide rules. Extra features Include P scale which enables direct "readout" of cosine value. Scales include LLO1, LLO2, LLO3, DF, CF, CIF, CI, C, LL3, LL2, LL1, LLOO, L, K, A, B, S. ST. T, C, D, DI, P, and LLO. With instruction books, saddle leather case. Imported. Shpg. wt., $11 / 2$ lbs. 99 P 70559 Not Iliustrated.

Net 18.95

## DECIMALOG ${ }^{\top M}$ 61/2" LOG LOG DUPL! DECIMAL TRIGONOMETRIC SLIDE RULE

- P Scale (Pythagorean) permits direct "readout" of Cosine Values
- 24 Scales including 8 Log Log Scales * With 5" Scale A pocket version of our $133 / 4^{\prime \prime}$ Log Log Dupli Decimal Trigonometric sliae rule. Contains all the scales of the $133 / 4$ " rule except the " ST " scale. Two color scales-positioned for each in use and rapid calculations. "C" and "D" scales on both sides of the rule, "P" scale for direct, cursor line reading of cosines of angles. Scales- front face: $L 11, L L 2, L L 3, D F, C F, C I F, C I, C, D, L L 3, L L 2, L L 1$. Back face: LLO, L, K, A, B, S, T, C, D, DI, LLO. Engine divided rułe of laminated, non-hygroscopic bamboo. Complete with instruction pook and leather case with pocket clip. Imported. Shpz. wt., 8 os
99 P 70997 Not Illustrated.
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## 5" POCKET SLIDE RULE

- Extremely Accurate
- Has Standard S, L and T Scales

Convenient pocket sized stide rute of specially selected and treated bamboo. WHI not warp, shrink or lengthen under varying atmospheric conditions. $A, B, C, C, D$ 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 $5^{1} / \mathrm{ha}_{4}$ " long over all. Carried easily in any pocket. Wt., 6 oz . Imported. 99 P 70302

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## 4" CIRCULAR SLIDE RULE $3^{95}$



A versatite calculating instrument specially constructed with special chemical resistant, $1 / 4$ " thlck, plastic, it will not shrink or expand under varying climatic conditions, 12 scales to solve problems involving multiplication, division, proportions, squares, cubes, and alt trlgonometric functions. Special scales allow direct conversions of angles from radians to degrees. Ideal for quick calculations. With leatherette case.
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$1 / 4$ INCH
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Stock No. 14 P 41021 Blue 14 P41039 Green 14 P 41047 Red
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### 5.5 CU.FT. REFRIGERATOR

### 2.2 CU.FT. REFRIGERATOR



MODEL BAR-5F small refrigerator for apartment. home, or office. Walnut grain laminate plastic top and front, coppertone sides and chrome trim. Deluxe features: 2 removable, adjus table chrome shelves, 1 heavy duty chrome trimmed glass shelf. full sized across-the-top freezer, adjustable thermostat, large tinted crisper, In-door storage racks, magnetic door catch. Hermetically sealed compressor unit. Interior light. Imported. For 110 V $A C, 60 \mathrm{~Hz}$. $34 \mathrm{H} \times 20 \mathrm{~W} \times 23^{\prime \prime} \mathrm{D}$. Shpg. wt.. 115 lbs.
13 P $32790 \times 2$..Net 127.50 similar to above, laminated top only, standard interior, white finish. Wt., 115 tbs. No Money Down ${ }^{*}$ 13 P $32808 \times 2$..Net 115.00

## No Money Down*

Compact refrigerator holds 2.2 cu . ft . (including freezer). Ideal for small apart. ments, campers, or boats. Freezer accommodates 2 ice cube trays. Features in-door storage rack and egg holder; 2 deep, removable adjustable shelves; hermetically seated compressor unit; and 7-position thermostat and magnetIc door catch. White finish. Operates on 110 VAC, 60 Hz . Imported. Size: $18 \mathrm{H} \times 194 / 2 \mathrm{~W}$ $x 18^{\prime \prime} \mathrm{D}$. Shpg. wt.. 65 tbs. 13 P $32766 \times 2$.. Net 84.00 Similar to above in coppertone finish. 13 P $32774 \times 2$.. Net 84.00 $14^{\text {m }}$ walnut legs for both of above (4). Shpg. wt., 2 lbs 13 P 327822 ...Net 5.75
2.2 and 5.5 Cu . Ft. Models Shipped F08 Newark, N.J. No C.0.D. Send Full Remittance Or Use LAFAYETTE'S EASY PAY PLAN*. Shipping Charges Collected On Delivery.

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## Taylor <br> WEATHER STATION WEATHERSCOPE

WINDSCOPE® WIND SPEED AND DIRECTION INDICATOR


- 60 Ft. Lead-in Wire

Tells wind speed or direction by 2 position knob. Self contained, no outside power source needed. Easy to install and maintain. Outdoor parts corrosion-resistant. Attractive ma-hogany-finished indoor indicating unit $61 / 2^{\prime \prime} x$ $5^{\prime \prime}$. Boxed with battery, 60 feet of lead-in wire and instructions. Shpg. wt., 9 lbs.
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Complete weather information center including wind speed and direction, barometric pressure and maximum-minimum outdoor temperature. Handsome $17^{\prime \prime} \times 12^{\prime \prime}$ walnut panel with brass bezels ready for wall mounting. Includes wind speed and direction roof unit with $60^{\prime}$ of lead-in wire for outdoor mounting. 20 of capillary tubing for thermometer. With battery and instructions. Shpg. wt., 16 tos.
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## WEATHER HAWK RECORDING THERMOMETER OR BAROMETER



7-DAY RECORDING THERMOMETER
Records outdoor temperatures on 7-day chart. 110 volt, 60 cycle. Range minus $40^{\circ}$ to $+120^{\circ} \mathrm{F}$. Eight feet capillary lubing. Black plastic base with clear cover. $13^{\prime \prime} \times 7^{\prime \prime}$. Boxed with 13 charts, ink and instructlons. Shpg. wt., $81 / 2 \mathrm{lbs}$
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Records barometric pressure changes on 7 day chart, range $29-31$ inches. Uni/Mag movement for maximum pen motion. 110 volt 60 cycle. For altitudes $0-10,000$ feet. with 13 charts, ink and instructions. Wt. 5 tbs 13 P 74537 W' No Money Down* $^{*}$.. Net 65.95

## RAIN GAUGE

- Keep Record of Total Rainfall

Precision rain gauge design. ed to give accurate rainfall records. Unique "chisel" shape permits recording of minute quantities. Easily operated cumulative rainfall indicator. Scale graduated up to $51 / 2$ inches. Scale in black numerals, With instruc. tions for mounting and use, to obtain weather-station accuracy to $1 / 10$ th of an inch. Overall length $103 / 4^{\prime \prime}$, width 21/2". Shpg. wt., 6 oz. 13 P 16017


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## - READ: Present, High, Low Temp

For weather enthusiasts -gardeners-farmers, etc. Gives three readings at a plancemaximum, minimum and present temperatures. Self-registering - no knobs-magnets -or push buttons needed for reset. Mag. nifving lens case for ease of reading. Main. tains aufomatic check on temperature variations. Makes you the local weather expert. Shpg. wt., 11 oz
13 P16033
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WIND SPEED INDICATOR $24^{4}$

- For All Sportsmen, Yacht Clubs, Gun Clubs, Fishing
- Great for Pilots


Wind velocity registered by Ilquid filled tube, Calibrated in both MPH and Beaufort Scale. No calculations, reads just like a thermom. eter. Vane-type external fittings must be mounted on outside elevated point. Attrac-

## INDOOR-OUTDOOR

 THERMOMETERShows inslde and outside temperature from the comfort of your room. Inside location ideal for quick easy reading. Single scale for instant comparison. Modern plastic case. B x $21 / 2^{\prime \prime}$ L. 48" long copper capillary tube and bulb. large numerals for easy reading. Shpg. wt., 702. 13 P 16025

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Ideal for the laboratory. factory, etc, Mercury type-total immersion. White scale with black numerals. Sub-divided by $2^{\circ}$ F. Polished nickel-plated case; tube length $51 / 2^{\prime \prime}$. Shpg. wt. 402.
15 P 48015 Range: $-30^{\circ} \cdot 120^{\circ} \mathrm{F}$... Net 2.95 15 P 48023 Range: $0^{\circ} \cdot 220^{\circ} \mathrm{F}$ … Net 3.19
tive gray indicator features jet black calibrations. Supplied with 50 ft . tubing to connect outer unit to gauge. Gauge size: $73 / 6 \times 5 \% \mathrm{ex1}$ ".

13 P 62508 Wt., $33 / 4$ lbs. ........Net 24.95

## "SLIDE RULE" HUMIDICATOR



- Slide Rule Readings
- No Computing
- No Conversion

Fastest and easlest method of determining relative humidity. With the cursor (slide) set on the temperature, the relating humidity is read directly off the humidity graph. The "has. midicator" graph is call. brated in increments of $2 \%$. Both thermometers are calibrated in incre.
 ments of $2^{\circ}$ from $20^{\circ} \mathrm{F}$ to $120^{\circ} \mathrm{F}$. Background coiors chosen for easy readibility. Overall size, including cistern, is $131 / 2 \times 33 / 4$ ". Mounted on mahogany board with provisions for hanging. Imported. 99 P 90060 Shpg. wt., 1 1b. ....Net 3.95

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## Only $16^{95}$

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13 P 30547W ......Net 16.95
Battery for above. 99 P 63661 ........Net 28

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## only 2995

Warm walnut American styling for a charming blend of accuracy and handsome traditional design. Beautltully accented handsome spun gold and ivory dial with smoked antique Federal mirror complements the graceful motion of the golden swinging pendulum. Carved walnut raised trim is crowned with an eagle to complete this elegant timepiece. Runs up to one year on a single "D" cell. Size: $25^{\prime \prime} \mathrm{H} \times 11^{\prime}$ W. Shpg. wt., $41 / 4 \mathrm{jbs}$.
13 P 30521 W .............Net 29.95 Battery for above. 99 P63661

.....Net

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## CONCORDIA <br> CORDLESS ELECTRIC PENDULUM CLOCK

## ant $26^{35}$

Nordic inspired battery operated pendulum clock add's distinction to any decor. Spun metal dial face and pendulum in gold finish are highlighted by the contrast ing walnut finish case. Fluted channels in the molded concave case give added dimension and make dial and pendulum seem to float in space. Runs up to one year on a single " $D$ " battery. Size $171 / 2 \times 81 / 2 \times 3^{\prime \prime} D$. Wt., 4 lbs . 13 S 30588 W ..........Net 26.95 Battery for above. 99 P 63661 Net Net .20

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 $21 / 2^{\prime \prime}$ spun metal dials for easy reading. Heavy metalized finish has the warm glow of polished brass. Mounted on walnut grained panel in an ebony-grained and gold accented frame with a brass antiqued metal finial $17^{\prime \prime} \times 7$ ". For horizontal or vertical mounting. Shpg. wt., 21/2 lbs. 13 P 40041

Net 11.95
(B) DELUXE HOME WEATHER STATION. Beautliful three instrument home weather station incorporates a precise and sharply calibrated thermometer, barometer and humldity meter. Rich hand-rubbed, woodgrained finished case houses instruments and beautliully sets off spun golden, extra large, easy-to-read dials. Calibrations and markings are etched in black to stand out clearly. $20^{\circ}$ tall case may be mounted vertically or horizontally. Shpg. wt., $33 / 4 \mathrm{lbs}$.
13 P 40066
...Net 15.95
(C) ELEGANTLY STYLED HOME WEATHER STATION. Decorator insplred home weather station. Contains 3 precision weather instruments to accurately measure the temperature, barometric pressure, and humidity, Reset index on barometer for easy discernment of pressu e tendencies. Distinctive hand-rubbed case of antique black and walnut finish with gold inlay accents. Recessed dlals with gold numerals. Size: $28 \times 8^{\prime \prime}$. Shpg. wt., $3^{3 / 4}$ lbs.
13 P 16108
.Net 19.95


## INDOOR-OUTDOOR THERMOMETER AND HUMIDITY METER



- Richly Grained, Deep Luster Finish

Handsome wood-grained case mounts three precise instruments that accurately report the most important outdoor as well as indoor weather conditions. Indoor and outdoor temperatures are read side.by-side on attractive gold-colored, easy-to-read metal scales. Humidity can be seeen at a glance on large dial below. Comes complete with $4^{\circ}$ of capillary tubing. $14^{\prime \prime}$ tall. Shpg. wt., $13 / 4 \mathrm{lbs}$. 13 P 40033

Net 9.95

## HUMIDITY METER and THERMOMETER



Practical and accurate humidity meter and thermometer suitable for home, office, or factory use, Easy to read dual metal dials are encased in a leather case that stands or hangs. Size: $5 t / 2 \times 31 / 2 \times$ 2"D. Shpg, wt., il lb.
13 P 40074


- 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; smail hand reads minutes, up to 15 . Start, stop, and continue from crowi; Instant zero. 7 jewel movement. Chromium plated case. Shpg. wt., $6 \mathbf{o z}$. Imported.
13 P 31032 L
Saméas 13 P 31032 (above) except 1 jewel.
13 P 31024 L . Shpg. wt., 6 oz .
...................Net 13.95
[B] $1 / 5$ SECOND TIMER - Ideal for Sports
Second hand registers $1 / 5$ ol a second and completes furn 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 P 31040 L $\qquad$ Net 13.95
Same as 13 P 31040 (above) except 1 jewei.
13 P 31057L
.Net 12.90

## [C TRACK TIMER $1 / 10$ SECOND

Excellent for athletics. The second hand indicates tenths of a second and seconds, and completes one turn in 10 seconds. The small hand registers up to 10 minutes, Start, stop, and reset by successlve depression of the crown. 7 -jewel movement. Shpg. wt., 5 oz. Imported 13 P 31065 L .

Net 17.95

## [D DECIMAL TIMER

Ideal for industrial time-studies. Easy-to-read outer dial divided in $1 / 100$ of a minute registering up to one minute. Inner dial graduated in minutes and registers up to 30 minutes. Push button, for timing out, brings both hands back to zero. Pressures on the crown will consecutively start, stop and again start the timer. Dependable 7. jewel movement. Swiss made. Shpg, wt., $6 \mathbf{0 z}$.
13 P $31016 L$
Net 14.95

## PEDOMETER

- Range 0.25 Miles
- Ideal for Hikers, etc
- Clips to Belt
$6^{55}$
Fine quality pedometer accurately registers distance you have walked in quarter mile increments from 0 to 25 miles. Large easy to read dial. This precision instrument comes with clip for wearing on beit. Easily set, stmple to use. A must for those who want to know their distance traveled. Shpg. wt., 6 oz . 13 P 31123L


- Time at a Glance

LAMP CLOCK $12^{35}$
 - Illuminated Dial for Easy Night Reading
Time comes to life . . . with beautiful, easy to read "Time At A Glance" Colorama digits in three colors. Dual independent lighting-time numerals are illuminated from the rear; in addition, an independent switch-controlled light in the case can cast a comforting glow as a night light, in bedroom, nursery, or as a television light. Available in two decorator color combinations. Self-starting electric mechanism. UL and CSA listed. For $110-120 \mathrm{VAC}, 60 \mathrm{Mz}$. Size: $44 / 4 \mathrm{H} \times 7 \mathrm{~W} \times 31 / \mathrm{A}^{\prime \prime} \mathrm{D}$. Shpg. wt., 3 lbs.
14P 60054 Charcoal Brown Case/White Face Gold Trim .. Net 12.95 14 P 60062 White Case/Ebony Face/Silver Trim ............. Net 12.95

## DIGITAL TELEVISION ALARM CLOCK

Similar to above, except with alarm. less dual lighting feature. Front time reset and front alarm button. Size: $4 H \times 7 W \times 33 / 4 " D$. Wt.. 3 lbs. 14 P 60070 Charcoal Brown Case/White Face/Gold Trim Net 15.95 14 P 60088 White Case/Ebony Face/Silver Trim............ Net 15.95

## ELECTRIC DIGITAL ALARM CLOCK

$13^{50}$

24-Hour Alarm Setting


Electric digital time in a clean, functionally styled alarm clock. The exact time is easily read at a glance at the large graphic numerals. Precision engineered 24 -hour alarm system distinguishes between AM and PM to determine alarm setting. Alarm shutoff is conveniently located on top of cabinet. Soft, glare-free illumination makes it ideal for bedside, or atoD TV. Self-starting synchronous motor for high accuracy and silent, dependable service. Charcoal gray cabinet. Size: $23 / 4 \mathrm{H} \times 33 / \mathrm{AD} 6^{\prime \prime} \mathrm{W}$. For $110 \mathrm{~V} \mathrm{AC}, 60 \mathrm{~Hz}$. Imported. Shpg. $w t$., $11 / 2 \mathrm{lbs}$ 13 P16520 Net 13.50
Same as above with White cabinet. Shpg, wi., $11 / 2$ Ibs.
13 P 16512

## TRAVEL ALARM <br> - 30-Hour Keywind Movement



Handy Iravel Alarm with 30 hour movement. Compact and sturdy, only $3^{\prime \prime}$ high, 27/6" wide, Luminous hands and markings. Attractive tan case with brass trim. Folds into case for travel. Shpg. wt., 1 to.
13 P 78512
Net 4.95

## 24-HOUR ELECTRIC WORLD CLOCK

- Adjustable for Various Time Zones
- South Polar Projection

Self starting, accurate electric clock. Tells world-wide and locat 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 lbs.
13 P 26024
Net 10.95


# Specialty Swiss Watches 



## SPORTSMAN'S CALENDAR WATCH <br> with World Timer



- Pressurized Water-Resistant Case
- Automatic Daily Calendar
- Parking Meter Timer
- Luminous Marker and Hands

Handsome waterproof wristwatch especially designed for the fisherman, hunter, skin diver, efc. Hermeticaliy sealed pressurized case provides maximum protection to 5 atmospheres. Moveable outer bezel determines time in 12 major cities around the world. Swiss crafted antimagnetic movement features automatic daily calendar, unbreakable mainspring and sweep secnnd hand. Luminous hour markers and hands for high visibility. Polished chrome case, stainless steel back, and comf ortable waterproof strap. Imported. 13 P 31487 L Shpg. wt., 7 oz.

Net 12.50

## AUTOMATIC SELF-WINDING SPORTSMAN'S CALENDAR WATCH

 $17^{75}$ - An Automatic Underwater Watch That Indicates Elapsed Diving TimeDesigned for the active sports man. Perfect for skindiving, flying, racing, even keeping track of parking meter time. Rotating bezel indicates elapsed time. Pressurized water-resistant case is hermetically sealed for protection up to 5 atmospheres. Easy-to-read luminous marker and hands. Self-windling. Calendar date changes automatically. Bright chrome case with stainless steel back and matching band. Imported.

- Hermetically Sealed, Pressurized Case


NEW! 17-JEWEL MULTI-YEAR

- Tells Time and Current Date-Plus Any Calendar Month to Year 1991

Years of time-keeping accuracy and calendar information in one Fine watch! Easy-to-read universal calendar shows dates, months, days of week, and year at a glance. By rotating the calendar crown you can select the current month-or any month for decades to come! Features sweep second hand, current calendar date window, and shock-resistant, antimagnetic Swiss movement. Elegant chrome finish case, hands, and raised markers. Complete with genuine lizard strap. Imported. Shpg, wt., 8 oz. 13 P 31495 L ..........Net 24.95

DOUBLE BUTTON CHRONOGRAPH WATCH


Swiss-made chronograph performs 5 functions in addition to telling time: tachometer for measuring speed, telemeter for measuring distance of sound, elapsed timer, parking meter timer, and a stop-watch with a 30 -minute register. Shock and water-resistant anti-magnetic movement has unbreakable mainspring. Imported.
13 P 31420 L Shpg. wht, 13 oz . Net 18.95

## WRIST ALARM WATCH



Swiss.made alarm watch won't let you forget appointments, parking meters, cooking, etc. Luminous dial features sweep second hand on attractive face with gilt numerals and markings. Shock-resistant, anti-magnetic movement has untreakable mainspring. Gold-tone case with stalniess steel back and genuine lizard strap. Imported. Shpg. wt., 8 oz. 13 P 31438L

DIGITAL WRIST
WATCH

# Electronic Burglar, Warning Systems 

Worner liectronic RECEPTIONIST


$68^{40}$
WITH CHIME
MODEL 61 ANNOUNCER. Consists of "Fotoelectric" unit, chime and mirror. Chime rings when light beam is intercepted. Unit has exciter lamp which projects beam across passage, and photoceli which receives reflected beam from mirror; may be placed up to $10^{\circ}$ from mirror. $81 / 4 \times 61 / 2 \times 23 / 4$ ". For 110 120 v. 50.60 cycle A.C. Shpg. wt., $83 / 4 \mathrm{lbs}$. 12 P 88018 No Money Down*.......Net 68.04

## WORNER MODEL 5150 ELECTRONIC BURGLAR



Indoor detection system. Infra-red beam operates amplifier up to 150 ft . Removable red filter. Both units have on-off switch. Ampllfier relay unit features sensitivity contrel, extraneous light shielding and lock. Oniy keyholder can turn off alarm or reset trap. Steel cases. Light source $41 / 2 \times 41 / 4 \times 7$ "; amplliter $5 \frac{4}{3} \times 7 \times 5 \mathrm{~V} / 4^{\prime \prime}$ with split door, hinged bottom. For $110 / 120 \mathrm{~V} 50-60 \mathrm{~Hz}$. Shpg. wt., 13 lbs.
12 P88059W No Money Down*. Net 185.79

## WORNER ACCESSORIES

60-1130 REPLACEMENT BULE $6 \mathrm{~V} ., 32 \mathrm{CP}$. 2000 hours. For models 61, 4000 , and 5150 12 P 88026 Shpg. wt., 3 oz. ... Net . 95 EXTRA CHIME for Models 61 and 4000 and any other 6 VAC power source. Serves as an excellent warning device.
12 P 88034 Shpg. wt., $12 / 2$ Jbs. Net 8.16

if AIR HORN

## $4^{95}$

Gives off loud piercing blasts. Unique dual power feature allows you to use horn when airpack is empty, by simply using button as a mouthpiece. Meets I.C.C. and U.S. Coast Guard requirements. Made of tough durable Cycolac. Th Use for outdoor athtetic events, or emergencies. Shpg. Wt., $13 / 4 \mathrm{lbs}$. 14 P 18508
Replacement 12 oz. Air Pack
14 P 18516 Shpg. Wt., $11 / 4$ lbs. Net 1.49

LAFAYETTE PHOTO ELECTRONIC RELAY SYSTEM
Includes Photo Cell Receiver Plus Electronically Operated Relay Plus Exciter Lamp - - Efficient 2-Unit, 3-Element Design


The Lafayette Photo-Electronic Relay is your key to an inexpenslive indoor warning or counting system. Consisting of a rugged exciter and relay unit and operating on $110-120 \mathrm{y}$ AC, It can be connected to signal persons entering a room, counting people or merchandise or function as an effective alarm system to warn of intruders. Effective up to 48 feet (without filter, 18 to 20 feet with filter, relay unit has a convenient variable sensitivity control and switch for intermittent alarm operation. Exciter has removable Infrared filter. Mounts easily across area to be supervised. Metai case. Size: $41 / 4 H \times 3 W \times 41 / 2{ }^{2} \mathrm{D}$. Imported.
99 P 90821 Shpg. wt., $42 / 2$ Ibs.
99 P 902766 Volt, 20 Watt Replacement Bulb
Net 22.95

ACCESSORIES FOR ABOVE
99 P 90235 Electric Belf, 110 V AC. Shpg. wt., 12 oz. Net 3.25
99 P 90110 6-Digit Electric Counter. Shpg. wt., 1 ib.
Net 14.95

## TAPESWITCH MATS <br> STRIPS <br> CHIME ANNUNCIATOR KIT

(Fig. 8)
(Fig. A) Tapeswitch Flexible Switch Mats. Less than 5 lbs. pressure activates these mats. Athough rated and tested at 1 amp., 117 VAC for floor swltching, 24 volts or less is recommended. Only $\mathrm{Kin}^{*}{ }^{"}$ thick; waterresistant, durable covering. Shpg. wt.: 17 x $23^{\prime \prime}$ mat, $11 / 2 \mathrm{lb} . ; 6 \times 23^{\prime \prime} \mathrm{mat}, 10 \mathrm{oz}$.
$17 \times 23^{\prime \prime}$ Mat with $6^{\prime}$ Cord
33 P 66010
....Net ea. 15.62
6 $\times \mathbf{2 3}^{\prime \prime}$ \$tair Tread with $18^{\prime \prime}$ Lead.
33 P 66028
Net ea. 6.40
(Fig. B) Tapeswitch Ribson Switches. These "Press at any point" switches can be activated with only 12 cz . of finger pressure. Normally open, momentary contact type with $4^{\prime}$ leads. Moisture-proof chrome yellow vinyl cover. Only K" thick. Rated 1 amp., 117 VAC or 28 VDC. Shpg. wt.: 2' length, 7 oz . $5^{\prime}$ length, 702.
33 P 66036 2' length ........Net ea, 4.68 33 P $660445^{\circ}$ length ..........Net ea. 8.54 (Fig. C) Cut To Length Switching Runner. 5 -ft. long $\times 30^{\circ}$ wide $\times$ K" thick and can be cut to any length. 5 libs. nominal foot pressure. Solder or twist connections easily made. Excellent extended area signáling for concealed indoor alarms and controls. Switching elements on $2 \% 6^{\prime \prime}$ centers are wired in parallel and encased In a polyethylene envelope. For indoor use only. Install under rug, rubber runner, mat or the. Wt., $21 / 2$ tbs.
33 P 66077
.16 .75
 Guards Against Theft Signals entrance into office, store or shop by ringing chime. Includes concealable mat $18 \times 24 x \%_{2}$ " thick, 2-note chime, transformer, wire and instructions. Shpg. wt., 4 lbs.
33 P 66051
Net 27.95

## ONE WAY DOOR VIEWER

## 99c

Permits thru-the door identification without being observed. One way viewing only, Provides wide-angle view. installs quickly. Re. quires $1 / 2^{\prime \prime}$ in diameter to fit any standard door thickness up to $13 / 4^{\prime \prime}$ thick. Cannot be removed from the outside. Rust-proof. Zine die cast. Shpg. wt., 4 oz.
14 P 65020
Lafayette Cat. No. 730

# Ultrasonic Intrusion Alarms DELUXE ULTRASONIC INTRUSION ALARM <br> <br> $\triangle$ <br> <br> $\triangle$ <br> ULTRASONIC INTRUSION ALARM 

Protects
Your Home or Business
Against Thieves, Prowlers, Vandals

$79^{95}$

- Easy, Plug-In Installation
- Can Be Used With Smoke And Fire Detectors
- Activates Lamps, Bells, Sirens

Invisible ultrasonic waves from this unit blanket any area of up to 300 sq. ft . Movement within this area will trigger any device plugged into the alarm, up to 5 amps. Accessory terminals permit the connection of sensors for fire, and door/window security switches, to make this unit a complete warning system. After turning on the unit, a 30 sec. delay permits you to leave without setting off the alarm. Upon entering the protected area, alarm may be set to go off either immediately, or after a 20 sec. delay to give you time to shut off system. After sounding the alerting device, the alarm recycles to the sensing mode. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: $101 / 2 \times 3 \times 51 / 2^{11}$. See accossory siren below, and fire and door/window switches on page 319. 14 P 11503 L No Money Down* Shpg. wt., 4 lbs.........Net 79.95 99 P 90235 31/2" Bell for above. Shpg. wt., 1 ib. .... Net 3.25
12 P 390116 Ft. line cord 12 P 390116 Ft . line cord.

## FLOOD ALARM



## Protects Your Home or Business Against Intruders and Burglars



## $59^{95}$

- Easy, Plug-In Installation
- Turns On Lamps, Rings Bell-Siren
Will protect doorways, rooms, or any area that an intruder may enter. Uitrasonic 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 turned on to give a visual and sudible 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. Variable tlmer 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 switch, sensitivity and range. Size: $103 / 8 \times 31 / 4 \times 31 / 4^{\prime \prime}$. Attractive walnut finish. Requires $110-130$ VAC, 60 Hz . Shpg. wh., 3 lbs. See optional unit below which provides a built-in horn and a 20 sec. delay of bell. siren for extra time to enter protected area. See accessory slren below.
12 P 56510 No Money Down* ........................................Net 59.95 99 P $9023531 / 2^{\prime \prime}$ Bell for above. Shpg. wt., 1 lb. .........Net 3.25 12 P 390116 Ft. Line Cord Net 39

- Detects Water And Sounds A Built-In Buzzer
- For Basements, Laundry Room, Boiler Room, Swimming Pool
A low cost, safe, and reliable system which sounds an alarm when it detects water in unwanted places. A trickle of water will set off the alarm, to alert you beford extensive damage takes place. The power unit contains sensing circuitry and a buzzer assembly. The sensor comes with $20^{\prime}$ cable, which may be increased to $250^{\prime}$. Up to 50 sensors may be connected to a single power unit. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: power unit $4 \times 21 / 2 \times 21 / 4$ ", sensor $1 / 8 \mathrm{D} \times 23 / 4=$. Shpg. wt., 1 lb .
14 P 20504
Net 14.95
Additional Sensor with 20 ft . wire and hardware. 14P 20512 Shpg. wt., 4 oz.


DELTA HORN

- Combination Horn/Delay
Plugs directly into above intruslon alarm. Provides delay of 20 sec . before built.ln horn 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 built-in AC outlet, line cord and plug. Handles up to 575 watts; 115 VAC at 5 amps. size: $31 / 4 \times 31 / 4 \times 33 / 4^{\prime \prime}$.
12 P 56528 Shpg. wt., $13 / 4$ lbs. Net 24.95


## 110-VOLT

 POLICE TYPE SIREN

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 factories. For 110 V. $50 / 60$ cycles. 1 amp. Size: $51 / 4^{\prime \prime} x$ $8^{\prime \prime} \mathrm{L}$. Shpg. wt. $41 / 4 \mathrm{lbs}$.
14 F $\$ 3574$
Net 16.95

## SIREN CABINET FOR MOUNTING SIREN OUTDOORS

Size: $6 \times 8 \times 104 / 2^{\prime \prime}$. Shpg. wt., 3 lbs.
Net 4.95

## WINDOW LOCK ALARM


$3^{95}$

- For Use on All Double-Hung Windows
The new Windo-Loc-Larm is an effective home security device that installs in minutes using only a screw. driver. When an attempt is made to raise the window from the outside, it automatically sounds an alarm and re-locks the window to prevent entry. Can be used with window closed or partly open for ventilation. With "warning" decal.
13 P 75005 Less battery. Shpg. wt., 1 lb. .....Net 3.95 99 P 63703 "AA" battery for above (1 req.) ..Net . 18


## MALLORY SONALERT ELECTRONIC AUDIBLE SIGNAL DEVICE

Solid-state circuitry, no mechanical wear-no arcing-no RF noise. Sman slize, lightweight, and low current drain allow them to be used in most circuits where warning devices are needed. Type SC628P has pulsating tone. Extensively used in fault alarms in computers, fire signals, instruments, appliances, and communications as well as telephone signals and protection equipment. Application possibilities are limitless. Size: all $11 / \mathbf{k s}^{\prime \prime}$ dia. $x$ $.781^{\prime \prime}$ long except, $\dagger$ are $1.38^{\prime \prime}$ long. Installed weght: all $11 / 4 \mathrm{oz}$. except $\ddagger$ are 2 oz . All Models manufactured with silicon transistors, allowing operating temperatures of $-40^{\circ}$ to $+185^{\circ} \mathrm{F}$. Shpg. wt., 5 oz .

| Stock No. | Type No. | Operating Voltage | Freq. Hz | $\begin{gathered} \text { Intensity } \\ \text { D8 } \end{gathered}$ | Current MA. | $\begin{aligned} & \text { Nét } \\ & 1.24 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 25-49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 P 74018 | SC628 | 6-280C DC | 2900 | 68.80 | 3.14 | 5.50 | 5.40 |
| 12 P 74026 | SC628H | 6-280C | 4500 | 68.80 | 3.14 | 6.35 | 6.25 |
| 12 P 74034 t $\ddagger$ | SC628P | 6-280C | 2900 | 68-80 | 3.14 | 9.95 | 9.75 |
| 12 P 74042 t娄 | SC628A | 6-28AC/DC | 2900 | 68-80 | 3-14 | 8.75 | 8.60 |
| 12 P 74067 ! | SC1 10 | 110 AC | 2900 | 80 | 14 | 6.75 | 8.60 |

## Prevent Tomorrow's Loss By Protecting Today

On-Guard COMPLETE SOLID-STATE BURGLAR and FIRE ALARM SYSTEM


Reliable, easy-to-install, self-contained fire/intrusion system features an independent "full-time" fire protection circult with separate sounder. Professional bell box Incorporates loud 8 -inch bell, fire klaxon, tamper and actlvation circults. Clipping wires or opening protected points sounds alarm. Dust-proof hey switch resets and reactivates system. Includes 4 sets of magnetic door/window switches, 2 keys, 3 thermostatic $135^{\circ}$ fire/heat sensors, interior activation switch, panic button, 200 feet of hook-up wlre, insulated nails, hardware, decals and instructions. Operates on standard 12 volt fantern battery (not included). Additlonal fire and intrusion sensors listed on this page. Shpg. wt., 20 lbs.
14 P $13590 W$ No Money Down* $\qquad$ Net 69.95 14 P 13566100 Feet of Additional Wire. Wt., 3 IDs. Net 2.90 32 P 47772 12-volt Battery for above, Wt., $3 / 4$ 1b. .... Net 2.64 $69^{95}$

- Total Protec. tion Against Fire \& Theft
- Heavy-Duty Tamper Proof Steel Weatherproof Box


## On-Guard SELF-CONTAINED BURGLAR ALARM SYSTEM $49^{95}$

 $\circ$

- Heavy-Duty Tamper-Proof Steel Weatherproof Box
- For Homes, Offices, Plants, etc.
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 circuit. Clipplng wires of opening the outer box, as well as entering the protected windows or doors will sound the alarm. Sound continues untll you turn it off by way of a dust proof key 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. Additional switches listed on this page. shpg. wt., $131 / 2$ lbs.
14 P 13558W No Money Down* .....................................Net 49.95 14 P 13568 100-Feet of Additional Wire. Wt., 3 Ibs. Net 2.90 32 P 47772 12-volt Battery For Above. We, $1 / 4 \mathrm{lb}$.....Net 2.64


## EMERSON-RITTENHOUSE PROFESSIONAL INTRUSION SECURITY SYSTEN



 $49^{95}$

- Automatic Intruder Protection


 Provides rellable automatic operatlon that's always alert . . detects Provides rellable automatic operation that's always alert ... detects an Intruder and sounds the alarm at the trip of the sensitive detectors. Unit surprises intruder with an alarm that can't be sllenced by closing window or door. Alarm sounds off until manually reset at the control panel. Features tamperproof detection with "Jock-in" automatic alarm, manual alarm switches for push-button signaling, and gold anodized control panel with activation $\| g h t$ off-on control, and alarm reset switch. Panel measures only $45 / 8^{" x} \times 43 /{ }^{\prime}$ " and mounts In a standard 2 -gang electricai box. Control panel may be concealed In closet, efc. Package Includes security control panel, indoor alarm horn three flush magnetic door/window switches, two manual alarm pushbutions, and power transformer. See Accessories Below.
13 P 83504 Shpg. wt., $41 / 4$ Ibs. No Money Down* ... Net 49.95


## ACCESSORIES FOR RITTENHOUSE SECURITY SYSTEM

## OUTSIDE KEY-LOCK CONTROL. Permits pro-

 tectlon while owner is away from home. Indicator light llluminates to conflrm system is activated. Mounts on standard single. gang box. Tamperproof ...alarm sounds if intruder removes panel. Stainiess steel finish. Dimensions: $41 / 2^{\prime \prime} \mathrm{H} \times 23 / 4{ }^{\prime \prime} \mathrm{W}_{\text {. }}$13 P 83546 Shpg. wt., $3 / 4 \mathrm{lb}$.
$5-C o n d u c t o r ~ C a b l e ~ f o r ~ a b o v e ~ c o n t r o l ~$
N
N
N
 13 P 83611 Shpg. wt., 12 oz. Net 3.39 OUTSIDE BEACON ALARM HORN. Provides warning light and alarm horn in one Integral unit. Designed for installation outside of home. Tapered red cyllndrical tens. Back plate dimensions: $412^{\prime \prime} \times 614^{\prime \prime}$. Mounts on single ${ }^{\text {gang } 3} 3 / 4^{\prime \prime}$ or $4^{\prime \prime}$ outlet box, Extends from wall 434". Brushed aluminum. 13 P 83579 Shpg. wt., 3 lbs. ..Net 22.95
WIRE FOR ABOVE ALARM SYSTEM

18 Gauge Single Conductor Wire For Window and Door Swltches.
13 P 83512200 Ft. Roll. Shpg. wt., $21 / 2$ Ibs. ................Net 4.35 18 Gauge 2-Conductor Wire For Indoor Alarm Horn, Beacon Alarm Horn, and Alarm Push Button. Shpg. wt., 3 Jbs.
32 P' 36288100 Ft. Coil

## HEAT/FIRE SENSORS <br> WITH SCREWS

Open circult heat/fire sensors cover areas up to $20 \times 20$ feet. Ideal for alarm system expanslon. Sensitive sensors reset automatically. Wt., 4 oz . 14 P $13608135^{\circ}$ For Living Areas Net 1.99 14 P $13616190^{\circ}$ For Attics, etc. . Net 1.99


## BY-PASS SWITCH

versatile switch permits by-passing of a partleu. far window or door while maintaining intrusion protection. Great for ventilation or patlo door, etc. Shpg. wt., 60 oz.
14 P 33564 Pkg. of 2 $\qquad$ .Net 3.25

## SECURITY SWITCHES FOR CLOSED CIRCUIT ALARM SYSTEMS


a) OOOR/WINDOW SECURITY SWITCH. For flush mounting in door and double hung wooden window frames. Need not be mortised, fits $3 / 4$ m hole.
14 P 13525 Shpg. wt., 4 oz $\qquad$ .......Net 1.50日) MAGNETIC DOOR/WINDOW SECURITY SWITCH. For use where surface mounting is necessary.
14 P 13533 Shps. Wt. 4 oz . $\qquad$ fits all windows. Ideal for sliding windows and screens.
14 P 13541 Shpg. wt., 4 oz.


## EICO PROFESSIONAL BURGLAR/FIRE ALARM SYSTEM


\& $A$ EmERGENCY BUTTONS

B-INCH BELL
DECALS


3-FIRE/HEAT SENSORS

4 - MAGNETIC
SWITCHES

## ACCESSORIES

Indoor Twin KIaxon Morn For Separate Fire Warning Alarm
14 P 33515 Shpg. wt., 1 lb.
Indoor/Outdoor 8. Inch Bell for 6 or 12 Volts
14 P 33523 Shpg. wt., 4 lbs.
Net 7.95
Net 12.95
14 P 33531 Shpg. wt., 3 lbs.
Net 7.95
Additional Remote Station Control with Indicator Lamps 14 P 33549

Net 3.25
100 Feet Additional Wire For Fire and Alarm Switches 14 P 33556 Shpg. wt., 1 lb.

Net 3.25 Stand-By 6 Volt Battery (One Required)
32 P 48705 Shpg. Wt., $31 / 4 \mathrm{Ibs}$ Net 2.30

## NuTone <br> SOLID-STATE INTRUSION ALARM SYSTEM




No Money Down*

- 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 intruder system. Use in your home, office, or on business premises. Powerful horn blast. installs easily, 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 docrs 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. Re. quires 3 " D " batteries. Size $12 \mathrm{~L} \times 33 / 8 \mathrm{~W} \times 17 / \mathrm{a}^{\prime} \mathrm{D}$. See addifional switches on page 317.
14 P 29505 Shpg. wt., 3 lbs.
60 Ft. Additional Wire. Shpg. wt., 10 oz.
14 P 29521
Net 34.95
Net 1.95 Batteries For Above (3 Req.) Wt., ea. 5 oz.
99 P63661
99 P 63661 Auxiliary Inside Alarm Horn. Surface mount with 30 ft . wire. Wt.. 1.28
14 P 29539 ........................................................................ 10.95
FIRE ESCAPE LADDER

$14^{95}$

- Attaches to Any Windowsill
- Lightweight All Aluminum Construction
- Stand-off Arm Keeps Ladder Away from Wall
Safeguard your famliy and loved ones when fire threatens. Lightweight aluminum 15 ft . chain ladder is a must for all two-story dwellings. Ladder attaches quickly and easily to any double-hung or casement window sill and holds up to 1000 lbs. Stand-off arm keeps ladder away from wall for ease of climbing. Stores conveniently below window when not in use. Shpg, wt., 8 lbs. 13 P 75013W
.Net 14.95



## $29^{95}$

- Photo-Electric Cell Operates as a Radar Beam to "See" and Detect 2\% to 4\% Smoke Obscurity - A Powerful Buzzer Built-in Unit

The Model SM-5 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" heat or fire in its earliest stages and sounding the powerful buzzer. Completely transistorized. Indicator light has a 70,000 hour life. It "feels" (senses) heat at $135^{\circ} \mathrm{F}$. Operates on less than 3 cents of electricity per month. Size: $41 / 4 \times 43 / 4$ $\times 21 / 2^{\prime \prime}$. For $110 \cdot 120$ VAC or $220-240$ VAC. Shpg. wt., $11 / 4$ lbs. 14 P 13517

Net 29.95


- No Batteries No AC Plug

FIRE ALARM


- Tiny and Powerful: Only $2^{\prime \prime} \times 21 / 4^{\prime \prime}$
Powered by its own self-contained hermetically sealed electronic energizer. Loud piercing siren sounds off for 2 hours or more. No maintenance-requires replace. ment only after activated by fire. Special sensor tip will trigger alarm when temperature reaches $135^{\circ} \mathrm{F}$. Easily installed on walls, doors, or ceilings. Ivory finish.
14 P 17500 Shpg. wt., $1 / 2 \mathrm{lb}$.. Net 5.95


## GARLAND FIRE ALARM



- Always Fully Charged
Bullt-in 117 VAC charging circuit keeps internal batteries up to full power. Never needs replacement batteries. Works even in the event of a power failure. Loud contiruous alarm sounds when room temperature reaches danger level ( $126^{\circ}-140^{\circ}$ ). Convenient test button allows periodic checking of unit. 14 P 14507 Shpg, wt., 3/4 lb. Net 12.95


# Precision Timers for Home and Industry 



An indispensable ald for your everyday timing needs-cooking, photography, phone calls, etc. Loud long-ringing bell signals the end of the preset time period. Has an easy-to-read, crystal covered black dial with bold white numerals. gold hour dividers, and a red dial window to show the hours from 1 to 5 . Housed in an attractively styled high-impact white plastic case. From England. Shpg. wt.. $3 / 4 \mathrm{lb}$. 13 P 13501

## SWISS POCKET TIMER

- Set It and Forget It
- Buzzes at Any Pre-Set Time up to 120 Minutes

Avoid parking tickets, late appointments, etc. Also use as a timer on phone calls, cooking photography, etc. The 120 -minute dial is marked in 5 minute intervals. To operate, just set the dial to the time wanted and the buzzer will sound off when the pre-selected time has elapsed. With handy key chain. Shpg. wt., $1 / 4 \mathrm{lb}$.
13 P 31115 L $\qquad$ Net 8.40

## INTERMATIC TIMING MOTOR



Self-starting synchronous motor with lifetime lubrication. Geared to 4 clockwlse revolutions per hour. Will retain constant speed even under Une voltage variations of $25 \%$. Torque load 5 oz . in . maximum. Shaft $1 / n^{\prime} 2 x^{3} / y_{1}^{\prime \prime}$ dia. For $110 \cdot 120$ volt 60 Hz AC . Shpg. wt. 7 oz.
13 P 27246 Intermatic W-160 .. Net 4.50

## LAFAYETTE TV TIMER CONTROL Only 540

- From 5 Minutes to One Hour - 500 Watt Capacity with $15^{\circ}$ Cord


Now you can fail asleep while TV is still onl 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 Control, and the Timer Controf into the wall outlet then turn the dial to choose the automatic "turn-off" time ... from 5 minutes to one hour. The 500 -watt capacify makes it ideal for use with most other household appliances-radio, hi-fl. tape recorder, lamp, patio light, electric blanket, heating pad, hair dryer, etc. With $15^{\prime}$ cord. Imported. Shpg. wt., 1 lb.
99 P 80798


Now you can enjoy late TV viewling wlthout worry of leaving the set on all night if you fall asleep. Elegant simulated teakwood faceplate and black case will blend with any decor. Heavy-duty timer plugs into AC outlet and any TV set rated up to 840 watts, plugs into timer. TV can be adjusted to turn off from 15 minutes to 6 hours. With 6 , cord and piggyback plug. Sizes $31 / 4 \mathrm{H} \times 51 / 2 \mathrm{~L} \times 21 / 2^{\prime D}$. For 120 Volt 60 Hz AC. Shpg. wt., $13 / 4 \mathrm{lbs}$
19 P17593
Net 8.95

## RHODES MARK-TIME SWITCHES

## (A) TV/STEREO TIME SWITCH

## - For Hi-Fi TV Fan

And Other Small Appliances
An automatic time switch, extension cord, convenient outlet. Timing range up to 4 hours, with manual "Hold" feature. Easy to operate-plug it into any wali outiet, connect one, two or three devices to be confrolled, and turn the knob to the tIme period desired. At the end of time period the electricity is turned off automaticaily. 6 -foot cord, 10 amps. 120 VAC, U.L. listed, wt., 1 lb . 13 P 85012
(B) FOR WALL BOX INSTALLATION A dependable and versatile time switch to automatically turn off attic fans, poreh and garage ights, window llghts, heating units, etc. at any preset time. Has special HOLD feature: turn of knob cuts out timing mechanism and allows unit to be used as a regular toggle switch. Capacily 20 amps, 125 volts AC. U.L., CSA listed. Satin-chrome dial $41 / 2 \mathrm{Hx}$ $3^{\prime \prime} W_{\text {; }}$ switch $21 / 2 H \times 13 / 4 \mathrm{~W} \times 11 / 4^{\prime \prime} \mathrm{D}$. Fits any standard rectangular wall box. wt., 1 lb . MODEL 90024-time range up to 1 hr . 13 P 85020 Net 5.99 Madel 90015-to 12 hours. wt. $3 / 4 \mathrm{lb}$. 13 P 85038 Net 5.99

## (C) PHOTOGRAPHIC TIME SWITCH

It's easy to control accurate timing on photo. graphic developers, enlaggers. and photo copy equipment by plugking them into the convenience outlet on this inexpensive unit Adjustable stop makes repeated settings even in total darkness-easy and foolproof. Times up to 60 seconds. then automatically shuts off current. May also be used as "onoff' switch when timing is unnecessary Rated 15 amps- 125 voits-A.C. UL and CSA listed. Shpg. wt., $12 / 2$ lbs 13 P 85046 Model 78174

Net 7.88

(D)

## BUILT-IN INDUSTRIAL

 TIME SWITCHEasily panel mounted or installed 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. Versatife SPDI construction permits switch to be wired for either "on" or "off" tyoe operation. Rated at 20 amps. $125 \mathrm{~V} / 240 \mathrm{~V}$ Ar. UL and CSA tisted. Shpg. Wt., $3 / 4 \mathrm{lb}$.
13 P 8507915 min .
Net 6.56
13 P 8508730 min
Net 6.56
13 P 8510360 min
Net 8.56 ADAPTER FOR 4" Octagon Switch Box 13 P 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 bolling eggs, pressure cook Ing, heat and sun lamp treatment, home permanents, photo developing and printing, long distance calls, etc. Times up to 6 minutes in seconds and up to 1 hour in minutes. Excluslve 2-speed feature permits Instant iming speed change by fick of a lever. A bell sounds at end of timing period. Smartly styled in white with dial face a rich copper tone, $4 \times 21 / 2^{\prime \prime}$. Snpg. Wi., 1 lb .
13 P 85052 Model 2130
Net 5.33
(F UTILITY HOUSEHOLD TIMER
This reliable, low-priced timer in a neat dupable white plastic case has innumerable household timing uses, l.e., cooking, baking, nome permanents, games, remembering appolntments, IV and rado programs, etc. Times any interval up to one hour accurately and gives resonant bell slignal at end of period. $31 / 2 \times 3 \times 11 / 2^{\prime \prime}$. Shpg, wt., $3 / 4 \mathrm{it}$ 13 P 85051 Model 29001 ........ Net 3.25

## LAFAYETTE Techni-Timer



ONIY

795

- Makes Any Lamp or Appliance Completely Automatic
- Turns Lights On and Off When You're Away-

Discourage Prowler's

- No Special Wiring-Just Plug In
- Handles Loads Up To 1875 Watts
- Can Be Set To Skip-A-Day - I Year Guarantee

The Lafayette Yechni-Timer makes practically everything electrical automatic. Turns radios on and off. Does not have to be reset each night, Defrosts refrigerator, controls roaster. electric blanket, fans. coffee-makers, phonographs, etc. Turns your home lights on and off automatically while you're away. Repeats cycle every 24 hours-no need to reset. Min. Imum ON time 15 minutes, maximum ON time. 23 -hours. Minimum OFF time 1 -hour, max. OFF tifme, 23 -hours 45 minutes. Easyto read- 24 -hour dial. Can be set to ship-a-
day operation and, controlled manually with out automatic reset. Attractive design. For shelf, table or wall mounting. With 6 ft . cord. plug and receptacle for equipment to be controlled. Highest quality-we will repair any defect due to material or workmanship within 1 year without charge. Simply ship timer to Lafayette prepaid. $5 \mathrm{~W} \times 4 \mathrm{H} \times 21 / 2{ }^{2} \mathrm{D}$. Capacity 15 amps., 1875 watts, 125 v ., 60 Hz . ut/CSA listed. Shpg. wt. $13 / 4 \mathrm{lbs}$.
13 P 01407
Net ea. 7.95

## LAFAYETTE Plug-In 24 -Hour Timer

## ONLY 595

- Handles Up To 1500 Watts
- Gives Your Home A "Lived-In" Look
- Discourages Prowlers
- No Wiring Required

A compact cordless convenience directly into wall socket. Finger. it . plugs allows you to set and forget it. Once deslred "on and off" times are set, plug in lamp, radio, or fan, etc.-up to 1500 watts and the automatic limer takes over. Resets automatically. Maximum "on" time- $211 / 2$ hours:
minimum "on" time- $21 / 2$ hours. Highest


#### Abstract

quality-we will repair any defect due to material or workmanship within 1 year without charge. Simply ship timer to Lafayette prepzid. Capacity: 12 Amps. 1500 Walts$125 \mathrm{~V}, 60 \mathrm{~Hz}$. AC. UL LIsted. Size: $23 / 4{ }^{4} \times 33^{3 / 4}$ " x lla'. Shpg. wt., 2 lbs.


13 P01738
Net 5.95

atermatic TIME-ALL

- Turn Lights and Appliances On and Off Automatically Finger-tip control plus angled face for easy access and viewing. Attractive, walnut grain panel with champagne white case goes with any decor. Wake up with music. TV or even fresh coffee, start air-conditioners before you arrive home. Can also be used to defrost refrigerator. Does not have to be reset each night. Easy-to-read AM and PM dial for full 24 hour period. Can be controlied manually. Plug-in receptacle for equipment to be controlled. Minimum "ON" time: 15 min . Maximum "OFF" time: - 1875 Watt Model 23 hr .45 min . Capaclty; 15 Amps. 1875 Watts. For $125 \mathrm{~V}, 60 \mathrm{~Hz}$ with 5 ft . cord, plug and instructions. Size: $31 / 4 \times 41 / 4 \times 31 / 2^{\prime \prime}$. UL listed and CSA approved. Shpg. wt., $11 / 2 \mathrm{lbs}$. 13 P 27584

Net 9.77


Smartly styled wall timer with finger-tip control. Installs easily in standard, single outlet wall box. Automaticaliy controls air conditioners, lamps, radios, coffee makers, and any other plus-in appliance. Resets automatically. 1 timer AC outlet and 1 AC outlet completely independent of timer. May also be used manually. Minimum "ON" time: 15 min . Maximum "OFF" time: 23 hr . 45 min . Capacity: 15 amps .125 volts, 60 Hz . Compact, only $144^{\prime \prime}$ above wall. Shpg. wt., $11 / 2 \mathrm{ibs}$.
13 p27576 Pearl white
Net 9.95

## WESTCLOX 24 HOUR CLOCK AND SWITCH TIMER <br> $12^{35}$

- Turns Lights, Appliances On and Off


Beautiful electric clock/timer makes any appliance completely automatic while serving as a timepiece, complete with a sweep second hand. Just plug the appliance into the timer 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 appllications! Handsomely styled wood tone case with gold color spun aluminum dial. Handles appliances up to 1800 watts ( 15 amperes). For 117 VAC. UL. Listed. Shpg. Wt., 2 lbs.

## 13 P 56500

Net 12.95

## © <br> g95

panacon timite MINIATURE 24-HOUR TIMER

- Installs in Wall Switch box.
- Automatically Turns on Night LightsYard Lights, etc.

MODEL 101 compact time control ideal for window displays, night Ights, yard lights, etc. Provides one on-off operation per day with minimum setting of two hours. Has manual trip lever. 24 -hour dial is divided into 30 minute segments for easy, accurate setting. Fits over a U.S. standard single gang handy box. size $41 / 2^{\prime \prime} \mathrm{H} \times 23 / 4^{\prime \prime} \mathrm{W} \times 31 / 4^{\circ} \mathrm{D}$. 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 P 17510 Shpg. wt., $13 / 2 \mathrm{Jbs}$. Net 9.95


# Ontermatic Time Controls - Clock Timer 



## TYPE T101 TIME SWITCH

Turns equipment "on" and "off" once in 24 hours, or from 1-12 "on" and "off" operations a day can be obtained by use of extra trippers-can be added without removing dial. Min, on or off time 1 hr ., max. 23 hours. Can be turned on or off manually with reset SPST switch rated at 40 amps. 4375 watt capacity. Mounting holes and knockouts. Gray steel case. UL Listed. Operates on 110 volt 60 Hz AC . $73 / 4 \mathrm{~L} \times 5 \mathrm{~W} \times 3^{\prime \prime} \mathrm{D}$. Shpg. wt., $31 / 4 \mathrm{lbs}$. 13 P 27022

Net 11.34
TYPE T103. Same as above, but with DPSr switch.

## 13 P 27600 <br> Net 12.64

TYPE P101. Similar to T101 except but with 6 tt. cord set and receptacle. Capacity 1250 watts. Shpg. wt., $31 / 2$ lbs.
13 P 27030
Net 12.64

## TYPE T171 <br> "SKIPPER" TIME SWITCH

Automatically turns equipment on of off skips operations on any selected days. Ideal where offices or factories are closed on Saturdays, Sundays or Holldays. Turns "on and off" once every 24 hours with single set of trippers supplied, but up to 11 on and off operations can be had by adding extra trippers below. With 3 skipping screws; more can be added. 1 cut out tripper advances day dial automatically, Min. on or off time 1 hour, maximum 23 hours. Cap. 4000 watts. $73 / 4 \times 5 \times 3^{\prime \prime}$. U/L Listed. Shpg. wt., 4 lbs. For $110-120 \mathrm{~V} 60 \mathrm{~Hz}$ AC. SPST - Skips "ON" Operation. Shpg, wt., $34 / 4$ lbs.
13 P 27063
Net 14.59
Type T175 - SPDT. Opens one circult and closes another. Skips either "ON" or "OFF" operation. Shpg. wt., $31 / 4 \mathrm{lbs}$. 13 P 27071

Net 15,89
Type p-171-30-portable plug-in verslon of Type T171. Capacity 1250 watts (contacts 10 amps ). 3 -wlre cord set. Shpg. wt., 374 lbs . 13 P 27675

Net 14.26

## TYPE C-8815 CYCLER TIMER

Ideal for fans, pumps, motors, etc. Uses ap to 10 sets of ON/OFF trippers, each providing 5 sec . duration cycle. Operations may range from 5 sec . to 9 min . 55 sec . in any multiple of 5 sec . Dial makes complete cycle every 10 min . SPDT switch rated at 20 amps per pole; $1 / 2 \mathrm{HP} ; 2500$ watts. Size: $73 / 4 \mathrm{H} \times$ $5 \mathrm{~W} \times 3^{\prime \prime} \mathrm{D}$. Combination $1 / 2^{\prime \prime}-3 / 4^{\prime \prime}$ knockouts, 1 on back and each side and 2 on bottom. For 125 VAC, 60 Mz . UL Listed.
13 P 27634 Shpg. wt.. $33 / 4$ lbs. Net 16.87 SET OF 10 COMBINATION ON/OFF TRIPPERS -13 P 27642 Shpg. wt., 3 nz . Net 50

## PROGRAM TIMERS 1-96 OPERATIONS EVERY 24 HOURS

TYPE T-1905. Designed for applications requiring 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 10 handle 20 amps at 125 volls. For $105-125 \mathrm{~V} ; 60 \mathrm{~Hz}$ AC. U/L Listed. $73 / 4 \times 5 \times 3$ ". Shpg. Wt.. $31 / 2 \mathrm{lbs}$, 13 P 27139

Net 22.07
TYPE T1975. Same as T1905 above, but has "Skipper" feature for omitting operations on selected days. Shpg. wt. $3 \mathrm{y} / \mathrm{h} \mathrm{lbs}$.
13 P 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. wt., $31 / 2 \mathrm{lbs}$.

## 13 P 27147

Net 27.59

## SEVEN-DAY TIME SWITCHES

Switches can be programmed weekly or daily with a different ON/OFF program each day. Up to 4 operations daily. Min. ON time: 1 hr. 7 sets of trippers. Switches rated 40 amps per pole. Combinatlon $1 / 2^{16}=3 / 4^{\prime \prime}$ knockouts. For $125 \mathrm{VAC}, 60 \mathrm{~Hz}$. UL listed. Model $V$ - 46101 . SPST. Size: $71 / 2 \mathrm{~W} \times 113 / 4 \mathrm{Hx}$ $31 / a^{n} \mathrm{D}$. Knockouts: 1 per side, and 3 on bottom.
13 P 27659 Shpg. wt., 63/4 lbs. Net 24.34 Model V.46301. 3PST. Size: $81 / 2 \mathrm{~W} \times 12 \mathrm{H} x$ $43 / 4$ "D Knockouts: 1 Der side. 3 bottom. 2 top. Shpg. wt., $61 / 4 \mathrm{lbs}$.
13 P 27667 ..
Net 25.64

## TYPE T185 TIME SWITCH

For applications where multiple "on-off" cycles of 5 to 60 minutes are required in a 24 hr . period. A minute selector on each specially designed tripper sets the number of minutes, ( 5 to 60), the "on-off" cycle will operate. Up to 12 combinations can be used at the same time. Minimum interval between start of each cycle, $13 / 2 \mathrm{hrs}$. rated 40 amps . 4375 watts, 125 volts, AC. $73 \times 5 \times 3^{\prime \prime}$. With 3 trippers (for 2 "on-off" 8 cycles). For $110-$ 125 volts, $60 \mathrm{~Hz} A C . \mathrm{U} / \mathrm{L}$ Listed. Shpg. wt., $31 / 4 \mathrm{lbs}$.
13 P 27048
Net 14.92
Extra Trippers for above. One Tripper for each additional "on-off" cycles. Wt.. 4 oz . 13 P 27055

Net 1.95

## "SKIPPER" 3 CIRCUIT SPRINKLER TIMER

THE INTERMATIC lawn sprinkling system time controls permit completely automatic preprogrammed watering of up to 3 zones. A 24 hour time dial can be set to initiate sprinkling any time during the day while skipper wheels serve to eliminate watering on selected days. Time durations per area are adjustable from 5 to 60 minutes. May be manually operated. Rated at 120 volts. 60 Hz , 5 amps. Gray hammertone case measuring $73 / 4 \times 5 \times 3^{\prime \prime}$. U/L Listed. Shpg. wt., $37 / 4$ lbs. TYPE LS-7041 14 DAY SKIPPER
13 P 27592
Net 18.17

## SWITCH ACCESSORIES

TRIPPERS-Set of ON-OFF units (one for each) for all models except T185, C8301s, T1905, P1971, T1975 and Sprinkier Timer. Shpg. wt. 3 oz.
13 P 27097 per set
Net .50
COMB. ON-CUTOUT TRIPPER. FOI "Skipper" types only. Shpg. wt., 3 oz .

Net .50
SKIPPING SCREW. For "Skipper" types only.
13 P 27113 Shog. wt., 2 oz.
Net .08

## Intermatic Air Conditioner Timer

## Automatically Turns Air Conditioners On and Off As You Like

At home or in the office, this heavy-duty TIME-ALL turns on air conditioners before you arrive-cools things down so that you are perfectly comfortable. It also turns air conditioners off ... after you are comfortably asleep, of gone for the day. You never have to remember, TIME-ALL does it for you automaticallyl Maximum ON time: $22 \mathrm{hrs}_{\mathrm{z}}, 45 \mathrm{~min}$. Minimum ON time: 15 min . May also be used for controliing lights as well as other electrical appliances. With 3-condjuctor grounded cord and plug.
Madel E-941 120 VAC, $60 \mathrm{~Hz}, 12$ Amps Full load- 15 Amps Total load.
13 P 27618 Shpg. wt., $13 / 4$ lbs. ....................................Net 11.50
Model E-942 similar to above except for 250 VAC, 60 Hz .
13 P 27626 Shpg. 'wt., $17 / 4 \mathrm{lbs}$.

# Electrical Accessories 

GARLAND "STANDBY" LIGHT

## $13^{95}$

Plugs Into any ordinary AC outlet. When electricity fails the "standby" goes on illuminating its area with a powerful beam. Eliminates many problems encountered because of sudden darkness. Powered by rechargeable nickel-cadmium batteries. "Standby" incorporates its own built-In recharger. Always ready for emergencies. You never buy batteries again. May be used as an extra powerful flashlight when and where you need it. Shpg, wt., $3 / 4 \mathrm{lb}$
14 P 14515

## FLEXIBLE NECK <br> INSPECTION LIGHT

## $3^{29}$

For use in any position. Perfect for hard to see areas in servicing TV's, Hi-Fl's, auto and household appliances. Battery powered, with flexible chrome-plated neck and high intensity light beam, that puis the light where you want it. Durable plastic case with handy metal loop for hanging. Uses 2 "C" cells. Complete with extra bulb. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$.
13 P 27501 ....................
99 P 62572
......Net 3.29
Net .17


Cord pulls out to any desired length up to 15 feet . .. locks into position . . . automatically retracts when the reel is not in use. 3-way outlet operates several appliances at once. Case: $61 / 2^{\prime \prime}$ dia., $13 / 4^{\prime \prime}$ thick. 10 amps. Shpg. Wt., $23 / 4 \mathrm{lbs}$.
13 P 83033
Net 9.95

## INDOOR-OUTDOOR

EXTENSION CORDS

- 2-Wire and 3-Wire, 16 Gauge 10 Amp - Heavy-Duty Round Cord With Molded Connectors

Use Indoors and out, with power tools, refrigerators, mowers, fans, etc. All are 16 gauge, 3 cond. cords have 3 prong plug.

- 2-conductor
$\$ 3$-conductor

| Stock No. | Feet | Shpq. Wt. | Net |
| :---: | :---: | :---: | :---: |
| 12P55504*** | 25 ft . | 13/4 lbs. | 1.95 |
| 12 P 55512* | 50 ft . | $21 / 2 \mathrm{lbs}$ | 329 |
| 12 P 55520* | 100 ft . | 51/4 lbs. | 5.95 |
| 12 P 55538 $\dagger$ | 25 ft . | 2 lbs. | 3.19 |
| 12 P 55546 $\dagger$ | 50 ft . | $33 / 4 \mathrm{lbs}$. | 5.49 |
| 12 P 55553 ¢ | 100 ft . | $53 / 4 \mathrm{lbs}$. | 8.95 |

MINI BREAKER


- UL ListedNot A Fuse - A True Circuit Breaker
- Don't Replace —Just Reset

Complete clrcuit protection-fits in standard edison base fuse receptacle! Time delay for starting surges. Never needs replacingjust reset! Shpg. wt., 4 oz .

| Stock No. | Amps | Net Each |
| :--- | ---: | ---: |
| 12 P 70024 | 10 | 1.59 |
| 12 P 70032 | 15 | 1.59 |
| $12 P 70040$ | 20 | 1.59 |
| 12 P 70057 | 30 | 1.59 |

## VINYL PLASTIC

 ELECTRICAL TAPE 89

- $60 \mathrm{Ft} . \times 3 / 4^{\prime \prime}$ 10,000 V. Breakdown
- UL Listed • . 008 in. Thick First quality, pressure sensitive polyvinyl chloride tape. Extremely high dielectric strength of $10,000 \mathrm{~V}$. breakdown. Insulation resistance of one million megohms. Over $150 \%$ elongation at break. Excellent reslstance against acids, alkalis, olls, salt water, etc. Tensile strength of 15 lbs. per in. High conformability. Forms tight, smooth protective wrap. Imported. Shpg. wt., 60 oz . 99 P 80152

Net .89

## LARGE PLASTIC TAPE KIT:

10 rolls of vinyl plastic tape. Each roll 33 ft . by $7 \mathbf{4}^{\prime \prime}$. 1 ea. of Red, white, sky blue, blue, grey, yellow, brown, green, black and orange. Shpg wt., $14 / 2 \mathrm{ibs}$.
99 P 80301
Net 3.45


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.t. Iisted.
13 P 83025 Shpg. Wt., $43 / 4 \mathrm{lbs}$. . Net 9.95 3-Wire tite. As above but with 3 -wire cord and plug. Shpg. wt., 41/2 lbs.
13 P 83041 .................................Net 11.95

## TAP-A-LINE



A must for use in areas having a limited number of outlets. Permits the use of as many as 8 different appllances at one time. Easy to install or use unmounted. Rated at. 1000 watts. Ivory colored tough plastic $12^{\prime \prime}$ long by $1^{\prime \prime}$ square. Four foot heavy cord and plug. Shpg. wt., $1 / 2 \mathrm{lb}$.
12 P 47014
Net 1.95
Same as above but 2 feet long.
12 P 47022
Net 3.19

DEARBORN CIRCUIT MONITOR


- A Must for Maintenance Men, Homeowners, Trailer Users, etc. Checks proper wiring of 3 -wire outlets. Indispensable for safe operation of appliances, power tools and office machines. 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 power off
12 p 73002 .
12 P 73002 Shpg, wt.4 $1 / 2^{* \prime}$ Ib . . Net 5.95


## REMOTE CONTROL



- For TV, Hi-Fi, Lamps, etc.

Turn any 110 volt appliance on and off without getting up from your chair or bed. Nothing to connect-just plug it in. Easy fingertip control with handy in-out push switch. Long $15-$ foot cord. Imported. Capaci-ty- 750 watts. Shpg. wt., $1 / 2 \mathrm{lb}$.
14 P 21114
..Net 1.95

## AC LINE CORD



6-ft. replacement for worn line cords in lamps, radios, small appliances, etc. Plug at one end; other end stripped and tinned. Shpg. wt., 5 oz.
12 P 39011

## "THE WELCOME" ELECTRIC DOOR CHIME



Provincial White with Gold Leaf Trim 549

Contemporary design, blends well with any decor. Rich resonant tones: two-notes front door, one-note rear. Provincial white case, brushed brass plate and gold leaf trim. Installation instructions included. $43 / 4 \mathrm{Hx}$ 71/4Wx23/4"D. Shpg. wt., 2 lbs
12 P 48509
Net 5.49


## CHIME <br> ACCESSORIES

8
(a) POLISHED BRASS LIGHTED PUSH BUTTON. Surface mount equidoed with miniature electric bulb. No speclal wiring required. 12 P 48525 For 6 to 16 V . Wt.. 5 oz..Net 1.69
(B) "QUICK MOUNT" SIGNAL TRANSFORMER for bells. buzzers, chimes. Thermal switch prevents overload. Rated $16 \mathrm{v} . .10-\mathrm{W}$.
12 P 48541 UL listed. Wt, 15 oz . ..Net 3.19

# Electronic Dimmers—Electrical Accessories 

## ELECTRIC OUTLET CONTROL CENTER



- For Use in Home, Office, Industry
- Mount on Bench or Walls, or Keep Portable
If you need exira outlets, you need this Electric Outlet Control Center. Has six indj. vidual outlets with its own built-in fuse box. Finger-touch control on-off rocker switch with leweled on-off indicator panel light. Heavy duty line cord for use in the home, office and industry too. Complete with mounting screws for permanent installation on wall or bench, or use it as a portable control center. For $110 / 120$ VAC. . 1500 watts, 15 amps. Less fuse. Imported. Shps. wt., $11 / 4 \mathrm{lb}$.
14 P 21031
Net 6.25
Box of 515 -amp fuses.
13 P 11679
Net .87

> DELUXE G-STATION ELECTRIC OUTLET CONTROL CENTER


- 7 Individual Finger-Touch Rocker Power Switches - 7 Individual "Signal-Glo" On/Off Indicator Lights
Provides six isolated, fused three prong " J " type grounded outlets. Convenient for home workshops, counter tops, etc. Mounts on wall, bench, floor, or remains portable. Each outlet utilizes a switch and indicator tight. Bult-in fuse compartment gives 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: $101 \times 6 \mathrm{~W} \times 11 / 4^{\prime \prime} \mathrm{D}$.
14 P 21106 Shpg. wt., 21/2 Ibs. Net 12.95 13 P 11679 Pkg. of 5 Fuses ....Net .87

- Individually Switched Outlets With Indicator Lights
Switchable power outlet box for wall or bench mounting. Three individually controlled outtets, each with its own indicator light. Measures $4 \times 21 / 2 \times 15 / \mathbf{B}^{\prime \prime}$. Equipped with 3 polarized receptacles, 3 toggie switches, 3 indicator lights, 6 ft . line cord. Rated 5. amps at 125 volts $\mathrm{AC} / 0 \mathrm{C}$. Imported. Shpg. wt., 1 lb.
99 P 80079
Net 3.35

FUSED POWER CONVENIENCE CENER

- 6 Fused Outlets Anywhere


Center adds, six, fused convenient outlets anywhere you choose. Designed to mount on walls, floor, benches, counter tops or for portable use. On/Off rocker switch and indicator light. Built-in fused holder with replaceable 15 amp. fuse, Heavy duty 8 -foot line cord. For 120 volts AC, 1500 watts. 15 amps. With fuse.!moorted.
99 P 92090 Snpg. wi., 1 lb. ....Net 4.49 Pkg. of 5 fuses for above.
13 P 11679

## POWER CONTROL OUTLET BOX



Designed to safely and conveniently deliver power to appliances, tools, lights, office equipment, etc. Easily mounted on wall, bench, floor, or kept portable. Six 3-wire " J " type grounded outlets controlled by one switch. Built-in circuit breaker protects equipment. Pilot light indicates when power is on. Rugged steel case. Rating: $100-120 \mathrm{~V}$ AC/DC@ 15 amperes. Size: $131 / 2 \times 21 / 4 \times 2^{\prime \prime}$
12 P 15508 Shpg. wt., 2 tbs. .... Net 8.95

ideal as a fire alarm, burglar alarm warning bell. Glves a clear, loud ring to overcome high leve! background nolse. Gleaming chrome plated belf on a sturdy plastic base. 110 volts: AC. Overall size, $41 / 4^{\prime \prime}$ across and $21 / 4^{\prime \prime}$ deep. Imported. Shpg. wt., 1 lb . 99 P 90235 Net 3.25

## DIMMER LIGHT CONTROL



- No Wiring, Screws Into Standard Lamp Socket
Solid-state dimmer lamp control. Dial the exact
light you want with continuous control from candlelight to full brightness. For one or three-way bulbs. 200 watts. UL listed. Shpg. wt., $1 / 4 \mathrm{lb}$.
12 P 28543

- Push-On-Push-Off Dial
- Full Range-Total Darkness


## to Full Brightness

Enjoy modern lighting In any room in your home or oflice. Soft light for TV viewing, bright light for reading or working. Easy to use, dimming is continuous from off to fuli illumination. Push on or off at any light level. Fits into standard single gang wall box without rewiring. Ivory plastic knob has brass finish insert. For 120 volts. 60 cycles AC. Operates incandecent lamps to 600 watt capacity. †Highest quality- we will repair any defect due to material or workmanship within 2 years without charge. Simply ship to Lafayette prepaid. Shpg. wt., $1 / 2 \mathrm{lb}$. 12 P 01011

Net 5.95


- Continuous Light Control

From Dim To Full Brightness

- Rotary On/Off Switch

Convenient on/off dimmer controf for use in living room, dining room, bedroom, family room, etc. Soft lighting for TV viewing and relaxing, bright tight for reading and working. Easy to install in any standard wall box without complicated rewiring. Operates incandescent lamps to 600 watt capacity. Ivory plastic knob with brass finish insert. For 115 VAC. 60 Hz . Shpg. wt., $1 / 2 \mathrm{lb}$.
12 P 26513
Net 3.95

## PORTABLE LAMP DIMMER <br> 

- Use With Any


## Incandescent Lamp

Dial the exact intensity of IIght desired. Create a light mood In any room in your home. Full-wave feature allows continuous dimming of any light load up to 350 -watts. Efficient electronic circuit saves you money - pay only for the light you use. With cord and special plug/receptacle. For 120 VAC. Gold Color. Shpg. wt., $11 / 2$ tbs. 13 P 27568

# Selected Electrical Accessories 



WHISTLE SWITCH
Only 1495

- 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, Hi-Fi, Lamps, outdoor light, On or Off while you relax in your chair or bed. No need to walk in darkness...turn on lights in a different room before you get there. Just blow the whistle and appliance immediately goes On or Off. WHISTLE SWITCH Is plugged into any standard househoid outlet, then electrical appliance is plugged into WHISTLE SWITCH. Nothing further is required. Complete with pocket and bulb whistle. 300 -watt capacity. For 110 v 60 Hz AC. Shpg, wt., 1 lb .

## 12 P 78522

Extra Bulb Whistle for above. Shpg. wt., 3 oz.
Net 14.95
12 P 78530
Net 1.19

## AUTOMATIC PHOTO-ELECTRIC LIGHT CONTROL



## onLy 95

- Automatic Light Switch
- Turns Lights On At Sunset Off At Sunrise
Automatically turns lights on at dusk and off at dawn. Helps to prevent burglary, vandalism, and accidents. Just attach to lamp cord and plug into wall socket for automatic light control. Responsive only to daylight ...car lights, flashlights, or lightning will not operate unit. For 117 V AC. 300 Watts. UL Listed. Shpg. wt., $3 / 4 \mathrm{lb}$.

Net 3.95
12 P 28519


## 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, offlce, factory, signs, etc. Screws into any standard or floodlight socket. Compact, requires only $17 / 8^{\prime \prime}$ of additional clearance in fixture. Weather resistant. 300 watts. U.L. listed. Shpg. wt., $1 / 2 \mathrm{lb}$, 12 P 28527

Net 3.95

## AUTOMATIC OUTDOOR SECURITY LIGHTING



- Lights On at DuskOff at Dawn
- Assembled and Wired
- Weatherproof

Protect your home or business with bright outdoor security flood lighting. Operates automatically: lights On at dusk-off at dawn; or semi-automatically: On at dusk-manually off at wall switch. Completely assembled. Only 2 screws and connecting wires for easy installation. Built-in time delay. Adjustable aiming. Uses 2 standard 75, 100, or 150 watt outdoor spot or floodlights. Less bulbs. Completely weatherproof $4^{\prime \prime}$ die-cast housing. UL listed. For 117 V AC, 60 Hz .
12 P 53509 Shpg. wt., 2 Ibs.
Net 12.50

"Microsonic Beam" switches On/Off any appllance in the home. A touch of the button on the wireless transmitter switches $T V$, hi-fi, famps, radios, fans or other electrical devices On/Off up to 40 feet away. Consists of a Teleswitch (miniature receiver), and a Telewand (minlature transmitter). Installs in seconds ...jus plug the AC cord from the appliance you wish to control into the Teleswitch socket, then plug the $A C$ cord from the Teleswitch into any $110-120 \mathrm{~V}$., 60 Hz AC wall outlet. For use with up to 7.5 Amps. 860 Watts. Telewand operates on 9 V battery. Shpg. wt., 14 oz.
12 P 87010
Net 29.95
99 P 60212 Battery for above.
Net 31

## LAFAYETTE 1000 WATT PHOTO-ELECTRIC LIGHT CONTROL

- Turns Lights On At Sunset Off At Sunrise - Automatic Light Switch


Automatically switches on house, office, or store lights at sunset and off at sunrise. Great for vacation time, or daliy use. No need to come home to a dark house at night. Helps keep burglars away. No special wiring necessary-just plug into wall socket and plug lamp into jack. 1000 watt capability permits use of several standard lights-will brilitiantly light an entire house. Brass finish Illuminator measures only $3^{\prime \prime}$ in diameter. Supplied with a 6 ft . cord. Wt.. $3 / 4 \mathrm{lb}$. 12 P 01029

## PHOTO-ELECTRIC LIGHT CONTROL

- Easily Installs In Light Fixtures-Post Lanterns-Etc.
 95

Now! Electronically protect your home in minutes...photo electronic "Lamp Liter" automatically turns lights On at dusk, off at dawn. Easily installs in driveway post lanterns; yard lights around swimming pools, patios, and gardens; 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: $1 \mathrm{Hx} 1 \mathrm{~W} \times 24 / 4$ "D. Shpg, wt., 6 oz . 13 P 64504

Net 5.95

## BURGESS Safari Lite

## FLUORESCENT LIGHT SAFE-BRIGHT-

## - AC or Battery Operation

- With Batteries

Efficient battery powered light-weighs only a compact 9 lis. yet delivers plenty of bright light for use in tents, trailers, boats, patios, etc. Especially useful during emergencies. Two light levels are provided for brillant or low Intensity Illumination. Operates on batteries for only pennies per hour. Built-in 110 volt circuit permits use with standard AC current. Attractive polystyrene case and handle complemented with gleaming stainless steel trim. Size: $12 \frac{1}{4} \mathrm{H} \times 4 W \times 73 / 4^{\prime \prime \prime} \mathrm{D}$.
13 P 80567 Shpg. wt., $111 / 4$ lbs. .... Net 23.95 32 P 47764 Pkg. of 2 Extra Batteries. Wt., $31 / \mathrm{l}$ lbs.

Net 7.66 12 P 10079 F855CW Replacement Bulb

## 0 Home-Office - Shop Lamps

## (A) $21^{40}$ <br> (A) DELUXEINCANDESCENT LAMP

Model 18-1A. Designed for use wherever work areas must be well Huminated. Non-friction, spring-balanced design permits easy positioning, and keeps lamp permanently in place. Can be raised or lowered, swivels $360^{\circ}$, and has $45^{\prime \prime}$ reach. Dual-shade construction reduces heat and maintains new lamp performance. Easily clamps to edge of table or desk. Dove gray finish. Accepts standard bulb. U.L. listed. Less bulb. Shpg. wt., 4 lbs.

12 P 69554 W
.Net 21.40
[B DELUXE COMBINATION INCANDESCENT and FLUORESCENT
Model LC-1A. Ideal for use In any office or home where maximum lighting efficiency is necessary. Separate switches independently control each light. Spring-controlled, counter balanced arms
"finger-touch" "siay 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, Shpg, wt., 73/4 lbs.

## 12 P 69562 W

.....Net 29.75
12 P 75015 22-watt cool white fluorescent lamp ....Net 3.95

# 10. $399^{35}$ <br> -30 $0^{10}$ <br> <br> No Money Down* 

 <br> <br> No Money Down*}
[CDELUXE FLUORESCENT MAGNIFIER LAMP
Modet 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 completety free. $5^{* *}$ magnifier; $360^{\circ}$ swivel; reaches 25 to $45^{\prime \prime}$. Constructed with precision ground lens and die cast aluminum shade. Dove gray. "C" clamp mig. U.L. Iisted. 12 P 69570 W Less Bulb. Shpg. wt., 8 Ibs. $\qquad$ U...Net 39.95 12 P 75015 22-watt cool white fluorescent lamp ....Net 3.95

## [0] DELUXE FLUORESCENT DESK LAMP

Model 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 adjustment. Has two bution starter switch, and top quality ballast for quiet operation. $45^{\prime \prime}$ reach, $360^{\circ}$ sweep. Includes "C" clamp mts. bracket. Beautiful desert tan. UL listed. Less bulbs. Shpg. wt., 10 ibs.

## 12 P 69588 W

12 P 10020 15 12 P 10020 15-watt cool white lamp (2 req.) ....Net ea. 1.59

Designed for precision work, leatures a $5^{\prime \prime}$ diameter magnifying glass with a powerful $13^{-}$focus, surrounded by a 22 walt shadow-free fluorescent tube. A custom-engineered arm permits complete directional mobility-special adjustment knobs insure the proper tension and steadiness for any desired position. $45^{\prime \prime}$ arm reach. Ideal for assembly, laboratory, quality control and other detall work. In kit or assembled form. Shpg. wt., 7 lbs.
12 P69521W Kit, less lamp
Net 23.95
12 P 69539 W Assembled, less lamp
Net 32.95
19. 22-watt, cool white lamp. Shpg. wi., 1102.

12 P 75015
Net ea. 3.95

## FLUORESCENT DESK LAMPS

Fig. A. An attractive all metal fluorescent lamp with combination solid/gooseneck support finished in chrome. Brown metal base with push button light control... perfect for study, office or den. Translucent white plastic diffuser for maximum light dispersal. includes 15 -watt, $18^{\prime \prime}$ cool fluorescent butb. Streamline design complements any room decor, 12 inches high by 18 inches wide. Provides illumination anywhere on your work or reading surface. 117 V , 60 Mz . imported. Shpg. wt., $53 / 4 \mathrm{lbs}$.

## 12 P 16027

.Net 7.25
Fig. B. Attratcive, all metal desk lamp with two 15 -watt fluorescent bulbs for maximum light. Contemporary design matches any decor, Dual, polished chrome goosenecks and enamel finished base. 181/2" metal shade with plastic Ight diffuser for high light dispersion and reduced eye fatigue. Great for students, office work, or reading. Pushbutton starter and off switch on base. Height: approx. $14^{\prime \prime}$. With two bulbs. $117 \mathrm{~V}, 60 \mathrm{~Hz}$. Shpg, wt., $53 / 4 \mathrm{lbs}$.

## 12 P 16043

Net 14.95


## Desk Lamps for Home \& Office



Now you can vary your light, continuously from a soft glow that is dimmer than a night light to a briltiant, glare-free, white light equivalent to 150 watts of illumination. Slide switch turns light on or off without disturbing dial setting. Telescopling arm extends to $15^{\prime \prime}$; shade swivels $360^{\circ}$. The lamp can be hung on a wall by usling keyhole slot on base, Unit folds down to only $31 / 4 \times 91 / 4^{\prime \prime \prime}$. Sand finish. For $120 \mathrm{v} .60 \mathrm{~Hz}, \mathrm{AC}$. Uses GE No. 1129 bulb (Included). U.L. listed. Shpg. wt., $21 / 2 \mathrm{lbs}$

# HIGH INTENSITY DESK LAMP 

- All Angle Lamp Head
- Spring Control Arm For Perfect Balance
- Extra-Wide Shade For Glare Free Light

Now you can have pure white concentrated light exactly where you want it. Decorator styled to fit any decor in your home or office. The glare-free bulb supplied with the lamp is equal to 200 watts of illumination. An oversize shade provides a greater light area than ordinary high intensity lamps and does not retain heat. A steel spring gives you complete mobillty in all directlons with perfect balance. Arm reach is $24^{\prime \prime}$. Lamp is black with a heavy chrome and black vinyl finish base. Shpg. Wt., 73/4 lbs.
12 P 33501 $\qquad$ .Net 16.95 12 P 75536 Replacement Bulb...Net .79

## 5-WAY HIGH INTENSITY LAMP

- Hi-Lo-Off Selector Switch
- Adjustable Telescoping Arm


Beautlfufly designed transformer powered telescoping Hi-Intensity lamp featuring HIGH and LOW switch. Telescopes from $31 / 2^{\prime \prime}$ to 12". May be used as a desk and wall light. spot and TV lamp, Use as a night light when closed. Shade swivels $360^{\circ}$ with an are of $180^{\circ}$. Shade and base are richly finished in black. Uses $\# 93$ bulb, supplied. Overall height 13". 117V, 60 Hz . Imported. 12 P 28535 Shpg. wt., 2 Ibs. Net 4.95 32 P 66848 Replacement Bulb.......Net . 43

## STUDY-LYTE CLAMP ON LAMP

## - Spring Control

- Extends to $45^{\prime \prime}$

Perfect llhmination where you need itmoves up, down, sideways at your lightest touch, and stays exactly 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 feet long and four feet wide. Sleek ali-metal construction with versatile 3" throat edge clamp. Uses standard bulb (not included). Avallable in easy-to-assemble kit form or completely assembled, Shpg. wt., $31 / 4 \mathrm{lbs}$.
12 P 69505W Kit
sembled .....................
Net 11.95
12 P 69513W Assembled
Net 13.95

## BLACK LITE FLUORESCENT LAMP


$10^{95}$

- With G.E.

15-Watt BLB Blacklight Bulb
One of the most unusual and interesting IIght sources of today - "black light" makes any fluorescent material glow with a beautiful brilliance. It is ideal for dramatic special effects on posters, pop art, window displays, seasonal decorations, etc., and whenever the ultimate in distinctive lighting is desired. Full chromed reflector for maximum bright. ness. E-Z Mount-installs anywhere, Built-in on off switch. 18" wide. With Bulb. Shpg wt., $23 / 4 \mathrm{lbs}$.
12 P 52501
Net 10.95
15-Watt G.E. BLB Replacement Bulb
12 P 52519 Shpg. wt., 5 oz. .. Net 5.95

## UNDER-CABINET AND SHELF

 FLUORESCENT LAMP

## ONLY $4^{95}$

- Complete with Bulb
- Convenient AC Outlet

Ideal for shop or 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: $181 / 4 x$ 356x11/4"H.Shpg. wt., 23/4 lbs.

## 12 P 16050

Net 4.95
Replacement Bulb. Shpg. wt., 5 oz.
12 P 10020

## CLAMP-ON ALL

 PURPOSE LAMP

- $18^{\prime \prime}$ Flexible Arm
- 3-Way Mounting Clamp

Most adaptable clamp-on all purpose lamp with $18^{\prime \prime}$ flex arm with parabolic shade. Ideal for drafting, hobbies, machine tools and work bench. The entire lamp traverses an entire $360^{\circ}$ with lock nut to maintain it in any fixed position. Reverse the clamp and you can screw it to the wall. The lamp shade on the inside is painted white enamel to give full reflection and a concentrated source of light where needed. For 75 watt lamp. Green color finish. Shpg.wt., $2^{1 / 2}$ lbs.
12 P 10087 $\qquad$ .Net 7.50

CABINETS
BAKELITE UTILITY
CASE WITH ALUMINUM PANEL

## Ideal for housing small

 electronic devices. Stur dy bakelite box features smooth rounded corners and recessed inserts for screw mounting of aluminum panel. Complete with hardware. Imported. Avg. Shpg. wt., $1 / 2 \mathrm{lb}$.| Stock No. | Size | Net ea, |
| :---: | :---: | :---: |
| 99 P 80772 | $31 / 4 \times 21 / 6 \times 11 / 8^{\prime \prime}$ | 71 |
| 99 P 80780 | 4x21/8 $\times 15 / \mathbf{a}^{\prime \prime}$ | . 82 |
| 99 P 80756 | $51 / 8 \times 21 / 8 \times 15 / 4{ }^{\prime \prime}$ | 1.05 |
| 99 P 62721 | $636 \times 3 \%_{6} \times 17 / 8^{\prime \prime}$ | 1.29 |
| 99 P 80764 | 73/4 $\times 47 / 4 \times 23 \%^{\prime \prime}$ | 1.82 |

## BUILDER'S <br> PANEL KIT

Ideal set of 5 panels for the experimenter. Consists of 1 plain black bakelite panel, 3 perforated boards with holes on \%" centers, and 1 aluminum panel with perforated circular pattern for speake! outlet. All panels are sized and have mountIng holes to fit 99-62721 case above. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 P 63380
Net 1.49

## BAKELITE CASES AND PANELS

Ideal for building test equipment and small electronic devices. All black bakelite with rounded corners and refor mounting panels. Walls $1 / \mathbf{c}^{\prime \prime}$. Panels are为" thick. Avg. shpg. wt., $11 / 2 \mathrm{lbs}$


| Stock No. | Size | Lbs. | Ne |
| :---: | :---: | :---: | :---: |
| 19 P 20016 | 614×33/4×2" | 1/2 | 89 |
| 19 P 37010 | Panel for above | 1/4 | . 45 |
| 19 P 20024 | $63 / 4 \times 51 / 4 \times 21 / 4{ }^{\prime \prime}$ | 1 | 1.39 |
| 19 P 37028 | Panel for abov | $1 / 2$ | . 61 |
| 19 P 20032 | $83 / 4 \times 736 \times 3^{\prime \prime}$ | 11/2 | 2.39 |
| 19 P 37036 | Panel for abo |  |  |



CUSTOM CABINETS

Designer styled Flexi-Cab brown vinyl clad steel cabinets. Front panels are brass 1 in ished. All sides link together with marresistant plastic blndings. All kits supplied with package of 40 pressure sensitive function identifying labels.

| StockNo. | Size | LD5. | Net ea. |
| :---: | :---: | ---: | ---: |
| 19 P 22558 | $3 \times 4 \times 4^{\prime \prime}$ | $3 / 4$ | 3.49 |
| 19 P 22517 | $3 \times 4 \times 6^{\prime \prime}$ | 1 | 3.99 |
| 19 P 22533 | $3 \times 6 \times 9^{\prime \prime}$ | $13 / 4$ | 4.69 |

## UNIVERSAL METER CASES

A meter case that can accommodate either a $2^{\prime \prime}$ or $3^{\prime \prime}$ meter. Center hole for $2^{\prime \prime}$ meter increases to $3^{\prime \prime}$ meter hole by simply removing a knock-out. 4kex $41 / 2 \times 41 / 4^{\prime \prime}$. Supplied with two $1 / 2^{\prime \prime}$ dla. knockouts for feed through insulators or
 Volume Controls. Type SPC-23 \#20 gauge steel. Type ASPC-23 \#18 gauge (.040) Aluminum- Natural Finish. Av erage Shpg. wt., 1 lb .

| Stock No. | Type | Net |
| :---: | :---: | :---: |
| 12 P83167 | SPC-23 | 2.70 |
| 12 P 83175 | ASPC-23 | 2.70 |

## FLASHLIGHTS-FIRE EXTINGUISHERS

## RECHARGEABLE FLASHLIGHT



Stim, handsomely styled, flashlight with strong spotlight beam. Never needs batteries. Works on two long-lasting nickel cadmium power cells. Just remove cap and plug into any 110 V AC wall outlet for a few hours. Smartly sized, tapered body fits in purse, travel bag or brief case. Length $51 / 2$ "; lens diameter $21 / 4$ ". Shpg. wt., 802 .
12 P 64043
PR-4 Repl. Bulb Net 6.95
32 P 66038 Pr-4 Repl. Bulb. ....Net .27


Deluxe, all purpose searchlight with long range GE 4546 sealed beam. Penetrates heavy fog and the darkest nights. Dperates on 4 " $D$ " batteries. Chrome finish. Wt., $11 / 2$ Ibs. $11 / 2 \mathrm{lbs}$.
12 P G4084
.Net 4.95 Batteries for above. (4 required.)
99 P 62564
Net ea. . 19

## POWERHEAD LANTERN W/BATTERY <br> 6 <br> 95



Extra large power beam from huge bright chrome $43 / 4^{\text {" }}$ head. For motorists, home owners, sportsmen, campers. 6-position warning blinker arm telescopes into contour handle. Separate switches; gleaming chrome, sturdy steel construction. With bulbs and 6 volt battery. Shpg. wt., $53 / 4 \mathrm{lbs}$.
12 P 64092
Net 6.95

A. E-Z WIRE PARALLEL GROUND DUPLEX WALt OUTLET. Breakoff terminals for 2 sep . arate 3 -wire circuits. Easily wired by pres: sure terminals or screws. UL listed. 15 amps; 125V.
13 P 81193 .........Net ea. 56 ; 10 for 5.04 8. E. $Z$ WIRE QUIET SWITCH. Uitra-quiet ac. tion switch . . . no clicking noise. Has screw, and E- 2 wire pressure terminals. 15 amps; 120V. UL listed. AC only.
13 P 81201 ........Net ea. .62; 10 for 5.58
C. CHASSIS AC RECEPTACLE Mounts from top or bottom. Mig. centers $11 / \mathrm{a}^{\mathrm{c} \mathrm{\prime}}$. U.L. Listed. 15A. 125VAC/DC. Solder terminals.
13 P 09046

## KIDDE 23/4 LB. DRY CHEMICAL FIRE EXTINGUISHER



- Rated 6 B:C Coast Guard, ICC, and UL. Listed

Extinguishes flammable liquids, grease and electrical fires. Powerful $23 / 4 \mathrm{lb}$. pressurized extinguisher meets marine and other requirements. Easy one-hand operation. Built-in pressure indicator can be read at a glance.
Non-toxic dry chemical won't injure tabrics, etc. Tamper-proof lock. Meets Coast Guard and ICC specifications. UL listed. Rated 6B:C. Corrosion resistant construction. 14H X 3"D. Shpg. wt., 41/2 lbs.
13 P 45040
.Net 9.95
DISPOSABLE RECHARGE CYLINDER. Recharges extinguisher in minutes. Shpg. wt., $43 / 4 \mathrm{lbs}$. 13 P 45057

Net 5.95

## JET ACTION HYDRO-PUMP FIRE EXTINGUISHER

## $2^{95}$



- For futo, Home, Boat
- With Wall Bracket

Extinguishes oil and grease fires, chemical fires, electrical fires, wood, paper, and plas tic fires. Chemically smothers fires in seconds that water cannot control. Just aim and pump. Put a unit wherever a fire is likely to start. Keep one ready in your kitchen, basement, bedrooms, and car. Complete with "Oulch-Discharge" wall mounting bracket and hardware. Imported. Shpg. wi., 13/4 lbs. 14 P 21064

Net 2.95

## ELECTRICAL ACCESSORIES

D. JIFFY PUSH PULL PLUG. Attaches in 5 seconds without any tools. Spring prongs. Brown. U.L. Listed.
13 P81136.
Ea. 15; 10 for 1.35
E. CUBE TAP EXTENSION. Trio tap, 9 ft . rubber cord. AC plug. Brown. U.L. Listed. 13 P81110

Net. 72
F. PARALLEL GROUND ADAPTER. Adapts 3 wire tools and appliances to 2 wire AC outlets. 15A., 125V. 33/4" ground lead and lug. U.L. Listed.

13 P 81151
Net $\mathbf{2 8}$; 10 for 2.52
G. RUBBER CUBE TAP. 3 outlets. Unbreakable one piece soft rubber constructiun.
13 P 81102 U.L. Listed . \&.............Net . 37
h. parallel ground rubeer plug. With cord clamp. U ground Dia. 12/2". 15 amps: 125V. U.L. Listed.
13 P81219 $\qquad$ .Net 64
J. FLEXI8LE RU8BER HANDLE PLUG. Can be used for heavy duty work. 15A. 125V.
13 P 81078
Ea. .12; 10 for 1.08
K. RUBBER CORD CONNECTOR. With pull handle for extersion cords. $11 / 4^{\prime \prime}$ diameter. With cord clamp. 2 wire. U.L. Listed.
13 P 81144

# CIE teaches you to APPLY the key theories and principles that make today's Electronics technology tick! 



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## Veterans and Servicemen:

## TABLE TYPE RELAY RACKS

Rigidly constructed of \#16 gauge steel finished in bluegray. Base constructed of one piece, similar to a chassis. Panel mounted holes are tapped for 10-32 machine screws. Shipped knocked down.


| Stock No. | Mfr. Type | HxwxD" | Space | Lbs. | Net |
| :--- | :---: | :---: | :---: | :---: | :---: | | 12 P85923W | TR-2119 | $25 \times 21 \times 12^{\prime \prime}$ | $21 \times 19^{\prime \prime}$ | $181 / 4$ | 15.60 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 12 P $85972 W$ |  |  |  |  |  |



## TELEPHONE TYPE RELAY RACKS

Open type racks constructed of \#12 gauge steel finished in blue.gray. Vertical members and top crossbrace are included together. Panel mounting holes are tapped for 10-32 machine screws. Racks shipped knocked down with all necessary bolts for easy assembly. Base punched to accommodate type CA- 4 casters.

| Stock No. | Mfr. Type | HxWxD" | Panel Space | ths. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 12 P 85899W | RR-800 | $391 / 4 \times 20 \times 183 /{ }^{\prime \prime}$ | $363 / 4 \times 19^{\prime \prime}$ | 34 | 29.70 |
| 12 P 85907WX | RR-801 | $741 / 4 \times 20 \times 207 / \mathrm{s}^{\prime \prime}$ | $713 / 4 \times 19^{\prime \prime}$ | 501/2 | 35.30 |
| 12 P 85915 WX | RR.802 | $791 / 2 \times 20 \times 207 /{ }^{\prime \prime}$ | $77 \times 19^{\prime \prime}$ | 52 | 40.70 |

## ALUMINUM PANELS

Aluminum panels, type MAP, bright aluminum protected both sides by peelable masking paper. Type ARP painted gray both sides. $19^{\prime \prime}$ wide, $1 / 8^{\prime \prime}$ thick

| "MAp" Masked AluminumStock No. Type Each |  |  |  | "ARP" Light Gray Hammertone |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Hgt. | Lbs. | stock Mo | Type | Each |
| 12 P 85477 | 319 | 2.45 | 31/2" | $11 / 4$ | 12 P 86830 | 319 | 2.65 |
| 12 P 85485 | 519 | 3.35 | 51/4" | 13/4 | 12 P 86848 | 519 | 3.50 |
| 12 P 85493 | 719 | 4.05 | $7{ }^{\prime \prime}$ | 2 | 12 P 86855 | 719 | 4.50 |
| 12 P 85501 | 819 | 4.80 | 83/4" | 21/2 | 12 P 86863 | 819 | 5.25 |
| 12 P 85519 | 1019 | 5.95 | 101/2" | 23/4 | 12 P 8687 | 1019 | 6.50 |
| 12 P 85527 | 1219 | 6.85 | 121/4" | $31 / 4$ | 12 P 86889 | 1219 | 7.30 |
| 12 P 85535 | 1419 | 7.90 | $14^{\prime \prime}$ | 41/2 | 12 P 86897 | 1419 | 8.35 |



| Stoch Mo. | Type | Chassis | Lbs. | $1-24$ |
| :---: | :---: | :---: | :---: | :---: |
| 12 P 85303 | AF-510 | $5 \times 10 \times 3$ | 51/4 | 11.10 |
| 12 P 85311 | AF-615 | $6 \times 14 \times 3$ | $71 / 2$ | 12.30 |
| 12 P 85329 | AF-1017 | $10 \times 17 \times 3$ | 10\%/4 | 15.50 |
| 12 P 85337 | AF-1317 | $13 \times 17 \times 3$ | 123/4 | 17.40 |

## METAL UTHLITY CABINETS

Have two removable sides for easy accessibllity. Have flanged edges and spot-welded corners. No. 20 ga. steel, attractively finished; No. 16 ga. (.051) aluminum in natural aluminum finish. Av. shpg. wt., of steel cabinets $61 / 4 \mathrm{lbs}$.

| GRAY HAMMERTONE Stock No. | $\begin{aligned} & \text { E STEE } \\ & \text { Net } \end{aligned}$ | HxWx0" | NATURAL ALUMINUM Stock No. Net |  |
| :---: | :---: | :---: | :---: | :---: |
| 12 P 83399 | 2.10 | $4 \times 4 \times 2$ | 12 P 83480 | 2.30 |
| 12 P 83407 | 2.10 | $4 \times 5 \times 3$ | 12 P 83498 | 2.45 |
| 12 P 83415 | 2.30 | $5 \times 6 \times 4$ | 12 P 83506 | 2.65 |
| 12 P 83423 | 4.05 | $5 \times 9 \times 6$ | 12 P 83514 | 4.40 |
| 12 P 83431 | 3.70 | $6 \times 6 \times 6$ | 12 P 83522 | 3.85 |
| 12 P 83449 | 4.05 | $6 \times 9 \times 5$ | 12 P 83530 | 4.40 |
| 12 P 83456 | 3.35 | $7 \times 5 \times 4$ | - | - |
| 12 P 83464 | 6.70 | $8 \times 10 \times 10$ |  |  |
| 12 P 83472 | 5.60 | $12 \times 7 \times 6$ | 12 P 83548 | 5.95 |
| - |  | $15 \times 9 \times 7$ | 12 P 83555 | 8.10 |


|  | SL <br> These handy and a remo periorated structed o hammerton | ING PAN <br> abinets ha le front pa d has op 20 gauge |  | comers inet is <br> Con- <br> in gray |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | HxWx0" | Uso Chassis" | 108. | Net |
| 12P85840 | $8 \times 8 \times 8$ | $7 \times 7 \times 2$ | 43/4 | 7.70 |
| 12 P 85857 | $8 \times 10 \times 8$ | $7 \times 9 \times 2$ | 51/4 | 8.70 |
| 12 P 85865 | $8 \times 14 \times 8$ | $7 \times 13 \times 2$ | 7 | 9.20 |
| 12 P 85873 | $9 \times 18 \times 8$ | $7 \times 17 \times 3$ | $83 / 4$ | 12.20 |
| 12 P 85881 | $12 \times 18 \times 12$ | $10 \times 17 \times 3$ | 13 | 15.60 |



## ALUMINUM CHASSIS

Chassis are of one piece construction with gussets spot-welded to the bottom flanges for additional strength. Made of No. 18 gauge ( 0.40 ) aluminum except 1 are No. 14 gauge (.064) in natural alu minum finish. Bottom plates have holes to match chassis and have 4 pressed dimples. Avg. shpg. wt.. $31 / 4 \mathrm{lbs}$.

| CHASSIS |  |  |  | BOTTOM PLATES |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | size Inches | Lbs. | Net | Stock No. | Net |
| 12 P 81906 | $4 \times 6 \times 11 / 2$ | 1/4 | 2.30 | 12 P 82870 | 1.05 |
| 12 P 81914 | $4 \times 6 \times 2$ | 1/4 | 2.30 | 12 P 82870 | 1.05 |
| 12 P 81922 | $4 \times 6 \times 3$ | 1/4 | 2.80 | 12 P 82870 | 1.05 |
| 12 P 81930 | $4 \times 8 \times 2$ | 3/6 | 2.45 | 12 P 828日 | 1.25 |
| 12 P 81948 | $4 \times 17 \times 3$ | 1 | 3.35 | 12 P 82896 | 1.30 |
| 12 P 81955 | $5 \times 7 \times 2$ | $1 / 4$ | 2.35 | 12 P 82904 | 1.15 |
| 12 P 81963 | $5 \times 7 \times 3$ | 1 | 2.80 | 12 P 82904 | 1.15 |
| 12 P 81971 | $5 \times 10 \times 3$ | $3 / 4$ | 2.80 | 12 P 82912 | 1.25 |
| 12 P 81989 | $5 \times 13 \times 3$ | 3/4 | 3.35 | 12 P 82920 | 1.40 |
| 12 P 81997 | $51 / 2 \times 92 / 2 \times 14 / 2$ | 1/2 | 2.45 | 12 P 82938 | 1.25 |
| 12 P 82037 | $7 \times 7 \times 2$ | 1 | 2.55 | 12 P 82961 | 1.25 |
| 12 P 82045 | $7 \times 9 \times 2$ | 1 | 2.65 | 12 P 82979 | 1.25 |
| 12 P 82052 | $7 \times 11 \times 2$ | 3/4 | 2.80 | 12 P 82987 | 1.30 |
| 12 P 82060 | $7 \times 11 \times 3$ | 7/8 | 3.70 | 12 P 82987 | 1.30 |
| 12 P 82078 | $7 \times 12 \times 3$ | 7/8 | 3.50 | 12 P 82995 | 1.50 |
| 12 P 82102 | $7 \times 17 \times 3$ | 1 | 4.10 | 12 P 83035 | 2.00 |
| 12 P 82110 | $8 \times 10 \times 21 / 2$ | 1 | 3.35 | 12 P 83043 | 1.70 |
| 12 P 82128 | $8 \times 12 \times 3$ | 1 | 3.60 | 12 P 83050 | 2.10 |
| 12 P 82177 | $10 \times 14 \times 3$ | 11/4 | 4.05 | 12 P 83092 | 2.20 |
| 12 P 82193 | $10 \times 17 \times 3 \dagger$ | 23/4 | 5.35 | 12 P 83100 | 2.35 |
| 12 P 82250 | $12 \times 17 \times 3$ ¢ | 21/6 | 5.90 | 12 P 83134 | 3.00 |
| 12 P 82284 | $13 \times 17 \times 3$ ¢ | $31 / 2$ | 6.15 | 12 P 83142 | 3.25 |
| 12 P 82300 | $17 \times 17 \times 4 \dagger$ | $41 / 4$ | 8.25 | 12 P 83159 | 4.40 |

## ALUMINUM MINIBOXES

Two piece case made of \#16 gauge ( 0.51 ) aluminum. Each section forms 3 sides. Flanges assure proper shielding. Avallable in variety of sizes for popular electronic devices and construction projects. Available in natural finish or grey hammertone.

## NATURAL ALUMINUM

GREY HAMMERTONE

| Stock No. | Net | Sire-LEW*H" | 1 bs . | Stect Ne. | Ntt |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 12P83670 | . 95 | 23/4×21/3×15/6 | $1 / 4$ | 12 P 83845 | 1.15 |
| 12 P 83688 | 1.05 | $31 / 4 \times 21 / 3 \times 15 / 8$ | 1/4 | 12 P 83852 | 1.25 |
| 12 P 83696 | 1.15 | $4 \times 21 / 0 \times 15$ | $1 / 4$ | 12 P 83860 | 1.30 |
| 12 P 83704 | 1.25 | $4 \times 21 / 4 \times 21 / 4$ | 3/6 | 12 P 83878 | 1.50 |
| 12 P 83712 | 1.30 | $5 \times 21 / 4 \times 21 / 4$ | 3/818 | 12 P 83886 | 1.60 |
| 12 P 93720 | 1.40 | $5 \times 4 \times 3$ | $3 / 4$ | 12 P 83894 | 1.70 |
| 12 P 83738 | 1.40 | $51 / 4 \times 3 \times 21 / 8$ | 1/2 | 12 P 83902 | 1.70 |
| 12 P 83746 | 1.85 | $6 \times 5 \times 4$ | 1 | 12 P 83910 | 2.20 |
| 12 P83753 | 2.30 | $7 \times 5 \times 3$ | 1 | 12 P 83928 | 2.70 |
| 12 P 83781 | 3.00 | $8 \times 6 \times 31 / 2$ | 11/8 | 12 P 83936 | . 3.60 |
| 12 P 83779 | 3.15 | $10 \times 6 \times 31 / 2$ | $11 / 2$ | 12 P 83944 | 3.75 |
| 12 P 83787 | 4.40 | $12 \times 7 \times 4$ | 2 | 12 P 83951 | 5.25 |
| 12 P 83795 | 4.55 | $17 \times 5 \times 4$ | 21/4 | 12 P 83969 | 5.25 |
| 12 P 83803 | 2.65 | $10 \times 2 \times 15$ | 3/4 | 12 P 83977 | 3.15 |
| 12 P 83811 | 3.00 | $12 \times 21 / 2 \times 21 / 4$ | 1 | 12 P 83985 | 3.60 |
| 12 P 83829 | 1.25 | $4 \times 2 \times 23 / 4$ | $1 / 2$ | 12 P 83993 | 1.50 |
| 12 P 83837 | 1.25 | $41 / 4 \times 21 / 4 \times 11 / 2$ | $1 / 2$ | 12 P 84017 | 1.50 |

## ~

## SLOPING PANEL UTILITY BOXES

Steel and aluminum sloping panel cabinets with round top corners and sloping front. For installatlons that, require opening in rear of box. No. 20 gauge attractively finished steel. No. 18 gauge (.040) alu-minum-natural aluminum finish. $41 / 2^{\prime \prime} \mathrm{H} \times 4 \mathrm{~V} / 0^{\prime \prime} \mathrm{D}$

| Stock No. | Wifth | Type | Les. | $\begin{aligned} & \text { Ne! } \\ & 1-49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | GRAY HAMMERTONE |  |  |  |
| 12 P 80650 | 4\% | 1 SPC. 1200 | 1 | 2.65 |
| 12 P 80676 | 6\%. | SPC-1202 | 11/2 | 3.00 |
| 12 P 80700 | 5\% | ALUMINUM ASPC-1201 | $1 / 2$ | 2.85 |
| 12 P 80726 | 736 | ASPC-1203 | $3 / 4$ | 3.25 |

## SLOPING COMPACT CABINETS

Two piece unit made of \#20 cold rolled steel. Front, bottom and back form one "U" shaped unit which screws to one piece cover and sides. Attractive twotone finish.

## LAFAYETTE COLOR TV TUNER CLEANER - LUBRICANT

- For Color and Black and White - With Spray-Aid Needle

Non-flammable, non-toxic, easy to use, Can be ap plied 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.
18 P 01984 Shpg. wt., 11 oz .
Net .99
16 oz . economy size spray can with spray-aid needle. Shpg. wt., $13 / 4 \mathrm{lbs}$,


## TUNER CLEANER-LUBRICANT

- With Injector Needle
- For Color-Black and White Super 100. Fast drying, will not harm plastics or electrical insulation, Non-toxlc, non-flammage. Can be sprayed on without removing chassis from cabinet. Contains "anti-static" agent. Will not cause drift or detune tuners.
3 oz. spray can. With plastic injector needle. 18 P 34043 Shpg. wt., 8 oz. 6 oz. spray can. With steel injector needle. 18 P 34050 Shpg. wt., 12 oz.


16 oz. spray can with steel injector needte. 18 P 34068 Shpg. wt., $13 / 4$ lbs.

Net 2.99

## VOLUME CONTROL

"N8:ser" \& CONTACT CLEANER

- Cleans and Lubricates
- Will Not Harm Plastics

For color and black and white IV. radios, volume controls, band switches. pushbutton assemblies, relays, and electrical contacts. Restores, lubricates, protects, and cleans. Non-toxic and non-flammable. Prevents gumming. Does not change capacities. 602. spray can with $5^{\prime \prime}$ extendep (needle). Wt. 11 oz. 18 P 43010

## CHEMTRONICS "FROST AID"

- Components Cooler
- With Pin-Point Spray Needle Pinpoints bad capacitors and transistors. oxidized joints by cooling components. Leaves no residue. With spray needle for hard to reach places. Non-flammable. 802 spray can. Shpg. wt., 1 lb .
18 P 52011
Net 1.69


# LAFAYETTE 7" COLOR TV PURIFIER 

## - For Sharp and Clear Color Reception

Sharpens color reception through demagnetization of the picture tube. Simply turn on the set, plug in the purlfier, and with switch depressed rotate unit in front of the TV screen. Use regularly to keep your color reception sharp and clear. Convenient clip for hanging on ack of set when not use mpored
back of set when not in use. imported.
99 S . Wt. 1 lb .
99 P 40248 wt., $3 / 4 \mathrm{lb}$. ... Net 2.95

## WALSCO 7" COLOR TV PURIFIER

- Portable Tube Kaddy Size
- For In-The-Home Servicing
- Color TV Degaussing Coil

Improve the quality of color TV with this portable 7" DEGAUSSER. Easily demagnetizes tube shield and accessories to eliminate stray colors and purify the picture. Momentary push button switch simplifies operation. You don't need to be a technician to use this little marvel. U.L. listed. For $\mathbf{1 1 0 - 1 2 0}$ VAC. 60 Hz . Shpg. wt., $3 / 4 \mathrm{lb}$.
18 P 84022
Net 7.95

## PROFESSIONAL COLOR TV PURIFIER

## - For Color TV Receivers - Large $13^{\circ}$ Diameter Coil

Well suited for the serviceman or set owner. Heavy-duty degaussing coll demagnetizes and removes stray magnetic flux from color TV. chassis and picture tube to achieve color purity. Contains momentary switch to de-energize coil without pulling plug. With 9 ft . cord. For $110-120 \mathrm{VAC}, 60 \mathrm{~Hz}$.
18 P 84055 Wt ., $41 / 2 \mathrm{lbs}$
Net 19.95

## BAKELITE KNIFE SWITCH

## As Low As

## 25

Exceflent for TV antenna switching. Heavy metal parts mounted on bakellite base, Double pole, double throw, Shpg. wt., 4 oz. 99 P 61533

Net Ea. 29

## 50 PIECE TV KNOB KIT

Selection contains 50 assorted TV knobs including such types as channel selector, fine tuning, volume, etc. Useful and attractive. Many with gold lettering or gold inserts. Shpg, wt., 1 lb 32 P 99021 ...... Net 1.99

## STANDARD KOLLSMAN "ARBOR" PRESET TUNERS

- Replacements for Over 1500 Different Models
- Suitable for Color or
Black and White TV


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 . B+: $125-145$ VDC. Antenna input: $300 \Omega$ balanced to ground, With mounting brackets. Shpg. wt., 3 lbs.

| Stock No. | Model No. | Heater | Net |
| :--- | :--- | :--- | ---: |
| $18 P 20109$ | SBR-250 | 6.3 V | 16.95 |
| $18 P 20117$ | SBRS.252 | 600 ma | 16.95 |
| $18 P 20125$ | SBR4S.251 | 450 ma | 16.95 |
|  |  |  |  |

## Pite embrandt eliminator

## $5^{95}$

- Improves Coior Reception
- Receives From All Directions
- Filters Out Interference


Electrically rotates the polar-receiving pattern of your existing antenna and phases the ground wave picked up by the electricat wiring system with the sky wave picked up by the antenna. Improves any existing antenna; indoof, outdoor, master or built-in. Boosts pick-up power of any antenna-old or new. Just a flick of the selector control tunes out ghosts-fifters out inferference-tunes in those "hard-to-get" problem channels. Automatically amplifies TV signal strength for "snow" free, brighter, clearer pictures. Works on every channel--in any location-with any antenna-for any TV set. No installation problem-simply attech to antenna terminals in back of TV set-and plug into 117 V AC/DC socket. UL Listed. Shpg. wt., $13 / 4 \mathrm{lbs}$.
18 P 12064

# Picture Tube Brighteners - Service Aids 

## COLOR PICTURE TUBE BRIGHTENER

## - Boost Fading Color Picture Tubes

- No Wiring Necessary-Plugs Right In

Bring out the lost sharpness and detail of fading color picture tubes. Electron emission is increased by boosting the filament voltage, thereby returning full contrast and color quality to the set. Plugs in between picture tube and socket. No wiring or switch. ing is necessary. For round tubes (12 pin base).
18 P 46070 Shpg. wt., 1 lb. ....Net 4.85 For rectangular tubes ( 12 pin base).
18 P 46088 Shpg. wt., 1 lb. ....Net 5.50


- Protects Home and Antenna Instaliation Against Damage From Lightning and Static Bischarge


## (A ECONOMY VHF/UHF ARRESTER

Model AT131S. Designed for flat tubular, oval twin lead or open transmission lines. Saw tooth washers grip fine securely without stripping or culting of wire. Low loss material construction reduces capacity and Inductance, results in maximum TV signal transfer to set. Complete with stainless steel strap and hardware.
18 P 38010 Shpg. wt., 6 oz. ....Net 1.09
(B) LITTIE GIANT VHF/UHF ARRESTER 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 stainless steel strap and hardware.
18 P 39307 Shpg. wt., 9 oz. ....Net 1.89
(C) DELUXE VHF/UHF ARRESTER

Model AT110S. Takes any flat, tubular, or oval twin lead or open transmission Nne. Saw tooth washers make positive contact with line-eliminating need for wire cutting or stripping. Low loss high dielectric construction maintains high signal transfer. Complete with stainless steel strap and hardware.
18 P 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. Complete whth stainless steel strap and hardware. Shpg. wt., $1 / 2 \mathrm{lb}$. 18 P 38069 .................................Net 2.39

## (E) 5-WIRE ROTATOR ARRESTER

Model AT106S. Protects 5 -wire automatic rotator antenna installations. No wire cutting or stripping necessary. Just place wire In slot and tighten cover over it for quick sure electrical contact. Complete with stainless steel strap and hardware.
18 P 38911 Shpg, wt., 1/2 Ib. .... Net 3.29


AUTOMATIC TV VOLTAGE REGULATOR

## $20^{40}$

- Compensates For Low Line Voltage
Model D-400. 400-walt solid-state automatic voltage regulator. For color or black and white TV. Returns fuil height and width of TV picutre affected by low line voltage. Boosts 10 -volts automatically when line is below 110 volts. Increases set sensitivity. Reduces low line hazards. Simple plug-in installation. Turns on and off with the TV set. Wt., 4. lbs.
32 P 40066 32 P 40066
. Net 20.40


## TV SERVICE <br> EXTENSION/ <br> ADAPTER <br> HARNESS KIT

Makes possible testing sets with picture tube electrically connected in circuit, but removed from chassis. Reduced danger of contact with high voltage terminals and tube breakage. Consists of yoke extension harness, tube socket extension harness and CAT extension is for both electrostatic and electromagnetic tubes.
18 P 27088 Shog. wt., 1 lb. ....Net 5.50 Coler Extension Marness Kit. Similar to above but designed for color TV. Shpg. wt., $11 / 4$ tbs. 18 P 27211

## UNIVERSAL TV TUBE "BRITENER"

Restores brightness to dim TV picture tubes. Operates on all types-magnetic or electro. static-and in all circuits-parallel or series. For Duodecal Base. Shpg. wt.. 8 oz. 18 P 46005 FIG. (A) ................ 1.75

## UNIVERSAL $110^{\circ}$ CRT "BRITENER"

A single heavy-duty unit which performs four ways. A simple adjustment adapts it for elther series or parallel wired filaments and it can be used on electromagnetic or electrostatic focus tubes. Shpg. wt., 802. 18 P 46013 Fig. (C) Net 1.99 For Sylvanla Type $110^{\circ}$ fubes.
18 P 46021 FIG. (B)
Net 1.99

## TUBE GUARD

- Stop Voltage Surge
- Adds Life To 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 outtet, and appliance into it. 600 watts. UL listed. Shpg. wt., 4 02.
18 P 31106 .................................. Net 1.99

## HORIZONTAL BAR GENERATOR

Provides Morizontal Lines On*Any
Black and White T.V. Set-


Simplifies precise setting of yoke. Makes possible accurate positioning of focus coif or magnet. Quick adjustment of vertical linearity, height and centering. Plugs onto picture tube. Shpg. wt., 4 oz .
18 P 27013

## FUSIBLE RESISTOR KIT

Kit Includes 1 each of the following values$4.7,5.6,7.5,9.0$ and 22 OHMS. Shpg wt., $1 / 4 \mathrm{ib}$. 18 P 79048 ..Net 1.19

| MALLORY RESET CIRCUIT | Stock No. | Mrrs. <br> 7ype | Break <br> Curr. <br> Amp s | Oper. <br> Curr. <br> Amps. | $\begin{aligned} & \text { Surge } \\ & \text { Curr. } \\ & \text { Amps } \end{aligned}$ | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BREAKERS |  | C8T050 C87075 | 0.5 0.75 | 0.325 | $\frac{2}{3}$ | 81 |
|  | 33 P 14622 | C87100 | 1.0 | 0.65 | 5 | 81 |
| - Just Reset | 33 P 14630 | ${ }_{\text {CPT1 }}{ }^{\text {che }}$ | 1.5 | 0.975 | 12 | 81 |
|  | 33 P 14648 | CB7175 | 1.75 | 1.14 | 12 | 81 |
| - Not A Fu | 33 <br> 33 14655 |  | ${ }_{2}^{2.0}$ | 1.3 1.46 | 12 | . 81 |
| A True | 33 P 14671 | CB725 CBT25 | ${ }_{2.5}^{2.25}$ | 1.46 1.63 | 12 | . 81 |
| Circuit Breaker | 33 P 14689 | CBT275 | 2.75 | 1.79 | 12 | . 81 |
|  | 33 P 14697 | CB7300 | 3.0 | 1.95 | 12 | 81 |
| for television and industrial app | 33 <br> 33 <br> P P 14713 <br> 3 | CBT310 CBT325 | 3.1 3.25 3 | ${ }_{2.11}^{2.1}$ | 25 25 25 | ${ }_{88}^{88}$ |
| cations. Bution must be pressed to | 33 P 14721 | C87350 | 3.25 | 2.2 | 25 | 88 |
| reset. Tripping mechanism is tem- | 33 P 14739 | СВт375 | 3.75 | 2.44 | 25 | . 88 |
| perature compensating for con- | 33 P 14747 | CBT400 | 4.0 | 2.6 | 25 | . 88 |
| stant protection. Normal tripping | $33 \text { P } 14754$ | CBT450 | 4.5 | 2.92 <br> 3.95 | 25 | ${ }_{88}^{88}$ |
| talues above $3-1 \mathrm{amps}$ have speclal | $\begin{aligned} & 33 \text { P } 14762 \\ & 33 \text { P } 14770 \end{aligned}$ | C8T500 CBT600 | 5.0 6.0 | 3.6 3.9 3.9 | 25 25 | . 888 |
| heavy-duty contacts to withstand | 33 P 14788 | CBT700 | 7.0 | 3.14 | 25 25 | . 888 |

Type CBB adapter for bushing mount. Bushing 3. $^{\prime \prime \prime}$ $32 \times 1 / 4$ " with nut.
33 P 14796 mounti iugs. Adapter for bushing 302.

# TV-FM Installation Accessories 

# UNIVERSAL TVFM PLUG \& SOCKET <br> $42 c$ <br> Compact low loss- 300 ohm plug and socket. Surface mounting socket - low loss polystyrene plug. Soiderless screw terminals. Imported. Shpg. wt., $30 z$. 99 P 40065 Plug \& Socket <br> Net . 42 Lots of 3 Net ea. . 36 <br> <br> SURFACE OUTLET <br> <br> SURFACE OUTLET <br> <br> AND PLUG <br> <br> AND PLUG <br>  

- Complete With Solderless Plug

Surface mounting outlet and plug for TV.FM and loudspeakers. A neat baseboard mounted outlet with plug. Fits $300-\mathrm{hhm}$ twin lead or speaker wire. Nickel plated brass hardware with set screw connectors. Unbreakable ivory plastic, with mounting screws. Shpg. wt.. ${ }^{3}$ oz.
18 P 57259
Net 79

## SOLDERLESS TWIN-LEAD CONNECTORS

Plug fits transmission line socket below Shpg. wt., 202.
99 P 40073
Solderless socket for above. Shpg. wt., 2 oz. 99 P 40081

Net ea. 24


## MOSLEY SHIELDED TWIN-LEAD SPLICER

- Permits Splicing of Shielded
300 -0hm
Twin-Lead
No need for twisting or soldering.
18 P 42061 Shpg. wt., 3 oz...... Net 1.00


## TWIN.LEAD SPLICE

Speeds splleing without need for
twisting or soidering. Shpg. wt., 202.
18 P 70096
Net 20

## 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 IV sets. UL listed. Shipg. wt., 402.

## 18 P 41014

Net .39
Same as above but with polarized terminals at both ends.Shpg. wi., 3 oz .
18 P 74015
Net .49

## INTERLOCK TV Gisio LINE SOCKET

Conventional male interlock socket. Standard type used on all television receivers. Heavily plated contact pins. $11 / 4^{\prime \prime}$ mounting centers. Shpg. Wt., 3 oz.
18 P 27187 $\qquad$ Net .19

## AC-TV RECEPTACLE AND WALL PLATE



Duplex AC receptacle and duplex TV recep. tacle on one 2 gang wall plate. Puts both outlets in one location. Use with standard wall box. Ivory orily. Shpg. wt., 602 s .
18 P 70062
Net 1.69
Molded 2 contact plug for 300 ohm lead.
18 P 70138
Net .22
4 wire rotor combination plates. Similar to above except includes 4 conductor rotor outlet In place of one 2 -wire outlet.
18 P 70039 Shpg. wt., 6 oz.... Net 1.95 Moided 4 contact piug for rotator lead.
18 P 70054.
Net 42
5 wire rotor combination plate. Similar to above except includes 5 conductor rotor outlet in place of one 2 -wire outlet.
18 P 70161 Shpg. Wt., 6 oz. ..Net 2.09 Molded 5 -Contact Plug for Rotator Lead.
18 P 70179 Shpg. Wt., 6 oz . ..Net .59

## MOSLEY WALL-PLATE FOR HEAVY-DUTY TWIN LEAD

- Complete With. Plug, Wall II Bracket, Hardware
- Excellent For All $300-0 \mathrm{hm}$ Shielded Cable and Tubular Cable
For TV Installation where heavy-duty twin-lead cable is used-shielded or unshielded. Low loss socket with solderless plug for eapy installation, may be
 mounted with wafl mounting bracket of in standard outlet box. With polarized pluz and wall mounting bracket. Shpg. wt., $60 z$. 18 P 42020

Net 1.85

## MOSLEY TV.FM COAXIAL WALL PLATES

- For 75 Ohm Antenna Installation

Ivory coaxial outlets, flush mounting especially designed for superior color and black/ white receptlon, provides a constant im pedance match with 72 ohm RG-59U coaxial cable. Complete with all connector, plug, mounting brackets. Fit all standard wall out let boxes. Shpg. wt., 7 oz.

| Stock Mo. | Description | Ne |  |
| :--- | :--- | :--- | :--- |
| 18 P | 42087 | 1 TV-FM Coax Outlet | 2.95 |
| $18 . \mathrm{P}$ | 42095 | I TV-FM Coax Outlet | 3.95 |
|  |  | With 4- or 5.wire rotor |  |
|  |  |  |  |

## MOSLEY UNIVERSAL ROOF-THRU/ WALL-THRU

Weatherproof entrance accessory for all types of antenna and rotor lead-in line. Mounts on any sloped roof or on the wall of any non-brick structure with hardware included. Insect-proof housing molded of black cycolac for break-resistant strength. Easy to install with built on flange and rubber gasket. No roof cement needed. Shpg. wt. 502.

18 P 42079
Net 1.70

## UNIVERSAL BUSHING



Fits all types of coaxial or twin-lead wires. Fits walls up to 11 " thick. Requires $3 / 4$ hole. Shpg. Wt., 402.
18 P 72019.

(1)

(2)

(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 neally custom Install an antenna system. Plug is polarized and designed to accopt a 300 -ohm twin lead line. Ivory finish. 99 P 40131 Shpg. wt., 4 oz. .... Net . 99

DUPLEX TV.FM WALL PLATE
(2) A duai TV/FM wall plate designed to supply two signal sources. Can be used for two different TV antennas each oriented in a different direction or TV and FM antenna. Plugs are slotted for 300 -ohm twin lead. Ivory finish. 99 P 40149 Shpg. wt. 4 oz. Net 1.19

## TV.FM MOTOR WALL PLATE

(3) Wall plate hàs 5 -wire outlet for 4 or 5 conductor rotor leads and 2 twin-lead outlets. Flexible design allows easy installation. Includes 1 plug for TV twin lead and 1 plug for rotor cable. Ivory fínish. Wt., 5 oz.
99 P 40305
Net 1.49

## SURFACE MOUNTING WALL BOX

## - Accepts Standard

TV/FM Wall Plates
Sturdy plastic housing for surface mounting with any standard 300 - hm or 75
ohm wall receptacle.
Knock-outs on all four sides for ease of installation. No special tools required. Ivory color. Supplied with Instructions and mounting hardware. Imported. Shpg wt., 602.
99 P 40024
Net .49

## BAKELITE WALL BOX

Necessary for terminating TV lines in old or new work. Knockouts top and bottom. Sturdy con.
struction with steel ears. Black standard size: U.L. Listed. Shpg. wt., 4 ors. 18 P 70013

Net .89

## OPEN HOLE WALL BRACKET



Permits attaching any wail plate to wall openings without the use of a wall box in up to $3 / 4^{\prime \prime}$ wall board or plaster. Shpg. wt., 4 ors. 18 P 70021

Net .49

## ANTENNA CONNECTOR

For quick solderless connec-
tion of lead-in to TV antenna terminal. Fits $99-40081$ sock. et. Low-loss polystyrene and non-ferrous metal. Standard 1/2" spacing. Shpg. wt., 302. 18 P 42012


Solderless socket for above. 99 P 40081

# TV Antenna-Towers-Masts-Accessories 

## ROHN: SPALLDNG "STRATO TOWERS" "EP SERIES"



## Install on Ground or Roof

High quality beaded channel construction. All riveted, no welds to rust. Rugged, zinc plated steel. Mare strengthless wind resistance at tower top. Top sections accept any rotator. All sections factory assembied. Each tower consists of one or more $8^{\prime}$ sections plus an $8^{\prime}$ mast, base plate, house bracket and mast kit assembly. Free standing installations require guying every $16^{\prime}$ Roof mount, and guy stations are extra.

| Stock No. | Type | - Hgt. | Sect. | Weight | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18 P $73025 \times 2$ | EP. 2 | 22' | 2 | 51 lbs . | 41.70 |
| 18 P $73033 \times Z$ | EP. 3 | $30^{\prime}$ | 3 | 71 lbs , | 51.60 |
| 18 P $73041 \times 2$ | EP. 4 | $38^{\circ}$ | 4 | 90 lbs, | 65.85 |
| 18 P $73058 \times 2$ | EP-5 | $46^{\circ}$ | 5 | 109 ibs. | 73.60 |
| 18 P $73074 \times 2$ | EPR-1 | Roof | At Base | 2 lbs. | 5.75 |
| 18 P 73082x | GS. 12 | Guy S |  | $31 / 2 \mathrm{lbs}$. | 5.00 |

## "XCB SERIES"-CYLINDER BASE

## NO CONCRETE REQUIRED

Extrame high strength, self-supporting towers, Self-aligning hinge base for quick easy installation. Can be assembled on the ground and hinged up or built verfically, section upon section. All riveted $100 \%$ galvanized steel construction prevents rust. With 4 ft . base, hinged feet, $8^{\prime}$ mast, mast kit, 8 ' tower sections

| Stock No. | Type | Hgt. | Sect | Weight | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18 P $73090 \times 2$ | X-16CB | $23^{\prime}$ | 2 | 89 Jbs. | 63.70 |
| 18 P $73108 \times 2$ | $x-24 C B$ | $31^{\prime}$ | 3 | 120 Jbs. | 76.90 |
| 18 P $73116 \times 2$ | X -32CB | $39^{\prime}$ |  | 155 flbs. | 98.90 |
| 18 P $73124 \times 2$ | X-40С8 | 47 | 5 | 184 lbs. | 126.40 |
| 18 P $73132 \times 2$ | X-48CB | $55^{\prime}$ | 6 | 272 lbs. | 153.90 |

[^8]
## TELESCOPING TV MASTS

Heavy duty telescoping masts. Ideal for any TV antenna array. Hotdip zinc galvanizing inside and outside provides unusual rugged ness and impenetrable corrosion resistance. Designed for easy in stallation and assembly. Husky bolts lock sections automatically No slipping, no twisting. Precision fitting assures lasting service. 18 and 20 gauge walls. Supplied complete with all guy rings, clamps and necessary hardware. Total 5 $10-\mathrm{ft}$. sections for height up to 50 ft .: O.D. \#1 ( $14 / 44^{\prime \prime}$ ). \#2 ( $11 / 2^{\prime \prime}$ ) $43(13 / 4 ")$ ff $4\left(2^{\prime \prime}\right)$.
shipped express only.
 $50-\mathrm{FF}$. MAST-Consists of all 5 sections listed above: Nos. 1, 2, 3, 4 and 5. Height 50 feet. Shpe. wt., $351 / 2 \mathrm{lbs}$.
18 P 56095 Wx
Net 19.95
40-FT. MAST-Consists of 4 sections, Nos. 1 2, 3 and 4. Height 40 leet. Shpg. wt., $261 / 2$ Ibs
18. P 56103 WX

Net 15.95
30-FT. MAST-Consists of 3 sections. Nos. 1 2 and 3. Height 30 feet. Shpg. wt., $181 / 2 \mathrm{lbs}$. 18 P 56111 WX

Net 11.95
20-FT. MAST-Consists of 2 sections: Nos. 1 and 2. Height 20 feet. Shpr. wt., 13 lbs. 18 P 56129WX

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 $21 / 4,0 . D$. Complete with hardware. Wt., 3 lbs.
18 P 56166
........Net 1.99

## SWERE, REAVY BUTY $5^{\prime \prime}$ WALL BRACKET MAST MOUNT

- Ideal for Heavy Ground-up
Mast
Instaliations


Model CU-5. Made of heavy steel bar stock. Fits large masts up to $33 / \mathrm{m}=0.0$. Mast holder swivels $360^{\circ}$ permitting bracket to be mounted in any position. Ideal for heavy ground-up mast installations. Snpg. wt., $11 / 2$ lbs.
18 ? 56376
Net 2.49

## 3/8" PLATED GROUND ROD



For use where pipe ground is not avallable Heavy steel yoke for head. 4 ft .
18 P 72159 W Shpg . wt., $11 / 2$ lbs.... 1.09


18 P 17014 Shpg. wt., $3 / 4 \mathrm{lbs}$. Net 2.39


Latest polyethylene insert will accommodate twln-lead, open line, hollow and tubular lines, round lines, oval lines double lines, etc.
(1) SCREW-EYE STANDOFF. First choice for fast secure anchoring. Shipg. wt., 7 oz.
$31 / 2^{\prime \prime} 4$ pieces per pkg.
18 P 01679
PKG. 29
$51 / 2^{\prime \prime} 4$ pieces per pkg.
18P01687
$71 / 2^{10} 4$ pieces per pkg.
PKG. . 39
18P01695
PKG. 49
STAINLESS STEEL SCREW-EYE STAND OFF $31 / 2^{\prime \prime}$.
18 P 017034 pieces per pkg. PKG. . 69 (2) DRIVE-IN STANDOFF. Made of galvanized steel. Av. shpg. wt., 4 oz.
18 P 017112 pieces per pkg. PKG. 29 (3) ADJUSTABLE STRAP-TYPE STANDOFF, Fits any size mast. Av. shpg. wt., 602.
$71 / 2^{\prime \prime} 2$ pieces per pkg.

## 18 P 01729

PKG. . 49
$3^{31 / 2^{\prime \prime}} 2$ pieces per pkg.
18) P 01737

PKG. 39
(4) "CLIP-ON" STANDOFF. Attach to mast instantly-"Click" and they're on $31 / 2^{\prime \prime}$ long. Av. shpg. Wt., 40 oz . For $11 / 4^{\prime \prime}$ mast.
18 P 01745 ' 2 pieces per pkg. PKG. . 35 (5) SUPER NAIL INSULATOR. Easily drives inbrick. mortar, wood and even most concrete. Secure connectlon. $35 / \mathrm{g}^{\prime \prime}$ long. Shpg. wt., 4 oz.
18'P 017522 pieces per pkg. PKG. 35 (6) COLOR VHF/UHF SCREW-EYE STANDOFF. For all UHF/VHF lines. 3 pcs. per pkg. $51 / 2^{\prime \prime}$ long. Shpg. wt., 5 oz.
18 P 01760
PKG. 59
(7) OPEN LINE STANDOFF. For use with open line transmission wire installations. Polystyrene block and galvanized steel hardware. $51 / 2^{\prime \prime}$ nail type. Shpg. wt., 802.
18 P 580675 pieces per pkg. PKG. . 89 (8) STAND-OFF SUPPORT. Break resistant plastic-adhesive base. Attaches firmly to aluminum, brick, concrete-all surfaces. Use with any machine or wood screw-eye.
18 P 37012 Shpg. wt., 2 oz. Net ea. 22 (9) COLOR INSULATORS. Converts most existing standoffs for color. Pkg. of 6 . Wt., 4 oz. 18 P 01778

PKG. 29


Model GND-ANT, DO-it-yourself kit to minimize lightning strikes to your antenna. Directs and discharges excess to ground. Kit contains: 50 ft . heavy-duty electricalconductor type, aluminum ground wire, cop-pered-steel ground rod and clamp. U.L. listed lightning arrestor, 6 ground wire nail fasteners, ground wire warning tag and complete detailed instruction sheet, Shpg. wt., 274 los.
18 P 56194
Net 3.99

## TV Installation Accessories


(1) "GRIP" GROUND CLAMP. Makes vise like grip on pipe. Sharp pointed screw makes derfect contact. Shpg: wt., 3 oz.
18 P 62018
Not .29
(2) GUY WIRE RING \& COLLAR. Economy free. floating guy ring and support collar. Mast can be rotated freely after guying to orient antenna. Fits masts up to $11 / 4^{\prime \prime} 0.0$.
1 18 P63356
Net 79
(3) OELUXE GUY WIRE RING \& COLLAR. Cast aluminum floating guy wire ring and collar permits- complete orientation of the mast. WIII fit masts up to $13 / \mathrm{k}^{\prime \prime}$. Shpg. wt. 7 oz . 18 P 81051

Net 1.99
Same as above but will take masts up to $13 / 4^{\prime \prime}$
18 P 56079
Net 2.09
(4) LAG SCREWS \& EXPANSION SHIELDS. Lead expansion shield for easy fastening to masonry, brick. stone, etc. Lag bolt $1 / 4^{\prime \prime}$ dia. shank by $11 / 2^{\prime \prime}$ long. Pkg. of 4 bolts and shields. Shpg. wt. 407.

## 18 P63364

Net 89
(5) MAST GUY CLAMP. Has 6 Ruying points. A handy thing to keep in the tool kit. Will accommodate masts up to one and one-half inches in dia, shpp. wt., 9 oz .
18 P 63216
Net 39
(6) 3-WAY GUY WIRE CLAMP. Fits masts up to $21 / 4$ " diameter. Features 3 eye bolts for guy wire attachment. Made of heavy raure steel. Shpg. wt., 10 oz.
18 P 63208
Net .59
(7) BALL.TYPE GUY WIRE TIGHTENER. SIMDIY draw guy wire through the "grip-tite": loop wire back, and twist once. Provides easy method for adjusting and tightening ruy wire. Cast zinc housing. Shpg. wt.. 6 oz . 18 P 01935

Net 1.09
(B) CLOSED EYE BOLT. FOP anchoring guy wires. Size: $1 / 4 \times 5^{\prime \prime}$. Shpr. wt.. 50 oz . 18 P 63224

Net .12
(9) CABLE CLAMP. Strong aluminum alloy body construction with plated steel U-bolt. Fits cables up to K'" dia. Provides solderless and spliceless cable-loop termination. Shpg. wt., 3 07. pkg. of 2.
18 P 67126
Net per pkg. . 45
(10) MAST CLAMP. Notched retaining clamp holds 2 masts firmly in sturdy U-bolts. Gal. vanized steel. Wt. 5 oz.
18 P 01950
Net .39
(11) U BOLTS. Made of galvanized steel. Supplied with nuts and washers in place. Shpg. wt.. 5 oz.
18 P 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.
18 P 02057 Pkg. of 2
Ea. . 45
(13) GUY WIRE HOOK EYE. Strong and permanent anchoring. Made of galvanized steel. Av. shpg. wt., $6 \mathbf{o z}$.



Model CMA500SS super-heavy pair of chimley mounts made of cast aluminum alloy. Extra strong and durable. Will withstand the most severe weather conditions. Two 12 ft stainless steel $3 / 4^{\prime \prime}$ straps and stainless steel seals. Six aluminum corner brackets to protect chimney bricks. The most ideal and permanent installation for those who want quality and durability. Will hold masts up to $2^{\prime \prime} 0$. D.
18 P 56012 Shpg. wt., $33 / 4$ lbs. Net 8.90 Same as above with $18^{\prime}$ straps.

## 18 P 56277

Net 9.95

$\square \rightarrow \operatorname{Brax}$
ALL STAINLESS
STEEL ' $\gamma$ ' TYPE
CHIMNEY MOUNT

- Snap-in Mast Sockets
Model ST.SN. Constructed of $100 \%$ stainless steel for a completely rust-proof, cor. rosion-proof installation. Features two 12 ft . $3 / 4^{\prime \prime}$ stainless steel straps and heavy-duty riveted staintess steei brackets and hardware. Snap-in mast sockets eliminate holding mast while applying hardware. Shpg. wt., $33 / 4$ lbs.
18 P 56400
Net 6.50


RATCHET TYPE CHIMNEY MOUNT $4^{95}$
Fastens easily with an ordinary wrench. Two 12' heavy-duty stainless steel straps as. sembled at one end. Two heavy-gauge brackets per set with serrated U-bolts. Easily -assembled. Rainbow gold color rustproof finish. Accepts masts up to $11 / 2^{\prime \prime} 0.0$. Shpg. wt., $31 / 4 \mathrm{lbs}$.
18 P 63315
Net 4.95


## 'Z' TYPE CHIMNEY <br> MOUNT

'Z.MOUNT" design provides simple instaltation and sfurdy support. Heavy gauge steel construction with gold color rustproof finish. Takes up to $11 / 2^{\prime \prime} 0.0$. masts Nith 2.10 ft . stainless steei $5 / 8^{\prime \prime}$ straps and seals. Shpg. wt., $21 / 4 \mathrm{ibs}$.
18 P 01653
Net 2.95
Heavy Duty ' $T$ ' Mount. Similar to above with $2 \cdot 12^{\prime} 3 / 4^{\prime \prime}$ stainfess steel straps. Shpg. wt., $21 / 2 \mathrm{lbs}$.
18 P 02222
Net 3.99

## STAINLESS STEEL STRAP REPLACEMENT KIT



## Consists of $2-12 \mathrm{ft} .3 / 4$ " stain.

 less steel straps. stainless steel seals, triangular eyebolts, lockwashers, hexnuts. Puts an end to rust and corrosion. Shpg. wt., $11 / 2 \mathrm{lbs}$.18 P 63091
Net ea. 2.09

## TV Antenna Mounts-Towers

heavy-duty $12^{\prime \prime}$ WALL MOUNT


## SNAP-IN VENT PIPE MOUNT $2^{50}$

6" Snap in feature eliminates holding of mast while applying hardware. Single front iocking carriage bolt for easy one hand tightening. Fits vent pipes up to $6^{\prime \prime}$. Heavy gauge mount resists corrosion. (Set of 2.)
18 P 63349 Shpg. wt., 1 lb
Net 2.50


## PEAK AND FLAT ROOF MOUNT

A heavy gauge steel roof mount. Heavlly plated to resist corroslon. 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 P 63083

all-angle mount

- Accepts $1 / 2^{\prime \prime}$ to $11 / 4^{\prime \prime}$ Masls
All-angle mount permits setting of $1 / 2^{\prime \prime}$ to $11 / 4^{\prime \prime}$ masts at most suitable angle for maximum reception. Rust-resistant
$4^{\text {" }}$ STANLESS STEEL WALL BRACKET. All stainless steel construction for extremely long life. Provides 4" clearance from wali. With special shaped U-bolt to hold masts up to $11 / 2^{\prime \prime} 0 . D$. (Set of 2.) Shpg. wt., 1 lb


## 18 P 01968

..Net 2.39
$4^{\prime \prime}$ WALL BRACKET. Securely grips all masts from $1^{\prime \prime}$ to $11 / 2^{\prime \prime} 0.0$. Made of rust resistant steel. With hardware. (Set of 2.)
18 P01661 Shpg. wt., $1 / 4 \mathrm{lb}$. ....Net 1.09

## ANTENNA MOUNTS

## steel. WIth mounting hardware. Ship. wt.,

 10 oz18 P 01992
Net 89

## HEAVY-DUTY ALUMINUM EAVE MOUNT



Model EM-48AL. 48" eave mount, construc. led of high-strength aluminum. Exclusive swivel mast support and heavy-duty riveted construction make installation easy and permanent. Can be used for supporting Ground-Up telescoping mast installations of up to 50 ft . and up to $21 / 4$ inches o.d. Shpg. wt.., 5 lbs . 18 P 56426 W
 dipped galvanized steel.

## Net 5.95 <br> N. <br> UNIVERSAL ALL-POSITION MOUNT

A strong self-supporting mount which asjusts to any position on peak. slope, flat, corner, or sidewall of building. Positive locking braces eliminate need for guy wires in most instaliations. Two plane adjustment for true vertical alignment of mast. Made of heavy gauge hot

Model-APM Standard model for masts up to $11 / 2^{\prime \prime}$ O.D. 18 P 56319 Shpg. wt., 51/2 Ibs.

Net 4.70
Model APM-LM Large model for masts up to $21 / 2^{\prime \prime} 0.0$.
18 P 56327 Shpg. wt., $52 / 2$ Ibs.
Depernd on Lafauctte For Everything in Electronics

(2)


(4)


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 isolatlon makes this unit ideal for use on COLOR or BLACK \& WHITE installations. No-strip terminals provided for quick connections. 300 -ohms input and output. Supplied with wood screws for indoor use and insta-mount adhesive. When used with 82 -channel (VHF-UHF) iv set either Model SS-21 or SS-83 signal splitter required at your set.
18 P 38135 Shpg. wt., 5 oz . Net 2.40
(2) 3-SET VHF/UHF/TV COUPLER

Model SC.62 Similar to above except couples to to 3 TV or FM sets from one TV or FM
antenna.
18 P 38143 Shpg wt., 6 oz.
Net 2.97
(2) 4-SET VHF/UHF/FM COUPLER

Model SC72 similar to above except couples up to 4 TV or FM sets from one TV or FM antenna. Shpg. wt., $60 z$.

## 18 P 38150

Net 3.30
(1 2) 2-ANTENNA 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 supplied.
18 P 38127 Shpg. wt., 5 oz . Net 2.85
(4) INDOOR VHF/UHF SIGNAL/SPLITTER

Model SS21 splits VHFiUHF signal from all-channel $300 \cdot 0 h m$ single downlead into separate VHF-UHF outputs. For feeding into 82 -channel TV set with separate VHFUHF antenna input terminals. High and low pass filter networks insure sharp, clear pictures-Color or black/white. No interaction because UHF and VHF lines are completely isolated from each other. No.Strip terminals Includes wire lead. Mounts quickly with insta-mount adhesive.
18 P 39083 Shpg. wt., 3 oz . Net 2.40

## (4) INDOOR VHF/UHF/FM SIGNAL

 SPLITTERModel SS83 similar to above except splits VHF/UHF/FM signal into separate VHF/UHF and FM outputs. Shpg, wt., 5 oz . 18 P 39091

Net 2.97

## (5) VHF/UHF SPLITTER 75.300 OHM MATCHING TRANSFORMER

Model MT-56 2.way 75 to 300 -ohm match ing transformer. Plus splits VHF/UHF signal from all-channel, single 75 ohm downlead into separate VHF/UHF outputs. For feeding into 82 -channel TV set with separate VHF-UHF antenna input terminals With coaxial cable fitting.
18 P 39133 Shpg. Wt., 6 oz. Net 2.97
(5) VHF/UHF/FM 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 outputs. Shpg, wt. $40 z$.
18 P 39190
Net 4.17
2-WAY VHF/UHF/FM $75-0 H M$ LINE SPLITTER (3) Mode! SC42-75 splits one $75 . \mathrm{ohm}$ VAF/ UHF/FM line into two 75 -ohm outputs. Also combines two $75-0 h m$ lines into one line. 3 mating plugs supplled.
18 P 39109 Shpg. wt., 5 oz . Net 6.50 4-WAY VHF/UHF/FM 75 OHM LINE SPLITTER (3) Model SC72-75 splits one 75 -ohm VHF/ UHF / FM line into 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 P 39117 Shpg. wt., 8 oz. Net 8.70
(1 \& 2)TV/FM SPLITIER-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 also be used as FM bandpass which will admit clean FM slgnals only through to the FM tuner. Can also combine TV and FM antennas into a single system. Eliminates all TV, amateur and citizens band signal pickup by antenna or transmission line 300 -ohm impedance. with hardware.
18 P 39125 Shpg. wt., 10 oz . Net 3.30

## JFO VHF-UHF-FM COAXIAL CABLE MATCHING TRANSFORMER KIT

- 75-300 Ohm Impedance Match
- Includes Outdoor and Indoor Units
- Ideal for COLOR TV

Model MT-51 Complete kit of matching transformers for installing TV \& FM antennas. For use with nolse-free 75 -ohm coax cable. Weather-proof outdoor transformer matches any 300.0 hm antenna to 75 -0hm coaxial cable. Indoor transformer at set matches the 75 -ohm coax to the $300-0 \mathrm{hm}$ TV or FM set. Includes coaxial cable fittings. Shipg. wt., $1 / 2 \mathrm{lb}$.

## 18 P 38895

Net 4.20

## MATCHING TRANSFORMER KIT WITH VHF-UHF-FM SPLITTER

Model MT-59 similar to above except indoor unit has separate VHF/UHF and FM outputs. For feeding into 82 -channel TV set with separate VHF-UHF antenna input terminals plus FM set. With fittings. Shpg. wt., $1 / 2 \mathrm{lb}$.
18 P 39141
Net 6.27

## BLONDER-TONGUE INDOOR VHF-UHF CABLEMATCH

- $75-0 \mathrm{hm}$ Coax to $300-0 \mathrm{hm}$ Impedance Model 3413 cablematch VHF/UHF indoor matching transformer, especially suited for matching TV set inputs to a coax distribution system. Match 75 -ohm coaxial cable to 300 ohm input. Connectors: Two spade lugs (300ohms) and a solderless Type $F$ plug supplied. For RG-59 type cable. Shpg. wt., 402. 18 P 18384 Net 1.65


## COAXIAL SHIELDED CABLE KITS

High quality 75 -ohm RG.59U low loss coaxial cable with connectors on both ends to fit all above matching Transformers.
18 P $58075 \quad 50^{\prime}$ Shpg. Wt., 2 lbs. Net 4.95 18 P 5808375 Shpg. wt., $23 / 4 \mathrm{lbs}$. Net 6.95


18 P 58091100 Shpg. wt. $31 / 2 \mathrm{lbs}$. Net 8.95

## LAFAYETTE INDOOR/OUTDOOR VHF-UHF.FM 75-300 MATCHING TRANSFORMER

 - Rugged Weather-Proof Housing with Weather Boot - Ideal for Color TV82-channel VHF-UHF matching transformer efficlently matches $300-0 \mathrm{hm}$ antenna or TV set to 75 -ohm coaxial cable. Weatherproof unit has leads which attach directly to either antenna terminals on set. With connector. Shpg, wt., 4 oz. Imported. 99 P 40347

Net 1.95


## JFD 2 SET 75-300 OHM COUPLER/ MATCHING TRANSFORMER

Model SC42-730 2 set VHF-UHF-FM Coupler. For use with apartment house master antenna systems. 1-75 ohm input, 2-300 ohm outputs. With coaxlal input fitting supplied.
 Shpg. Wt., 8 oz.

## 18 P 39349 ...................................Net 5.97

## VIDAIRE SIGNAL ATTENUATOR

May be used with all TV sets troubled with excessive signal. Eliminates poor sync., multiple images, buzz, beats in picture, etc., when caused by signal overloading. Produces 1000 to 1 change in signal reaching set. Reduces most cross-modulation effects. Adjustable for all signal areas. simple to mount-simple to install. Shpg. wt., 4 oz. 18 P 80012 Net 3.50


## NOISE FILTER

$1^{3}$
39

- Stop Radio \& TV Noises appliances, oil burners, motors, neon signs, etc. fust plug filter in any wall outlet and TV or radio into filter and enjoy noise-free entertainment; or plug nolse producing appliance into filter and eliminate noise throughout house. shpg. wt., 4 oz.

Net 1.39
18 P 19010

# TV Couplers-Splitters-Filters 

LAFAYETTE 2-SET VHF-UHF-FM COUPLER


- Up to 2 TV or FM Sets From One Antenna - Low Signal Loss

Couples 2 TV or FM sets from a single TV/FM Antenna. Low Insertion loss and high isolation befween sets. Ideal for color or black and white installations. Easy to install, no-strip $300-0 h m$ input and output terminals and mounting hardware. When used with 82 channet (VHF-UHF) TV sets, 99.40339 signal splitter required (see this page). Imported. Shpg. wt., 502.
99 P 40313
Net 1.65

## BLONDER-TONGUE 2.SET UHF-VHF.FM COUPLER



## - Excellent Isolation

- No Strip Terminals

Model A-102U/V. Couples 2 TV or FM sets from one TV/FM Antenna. Low loss design and excellent 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., 5 oz. 18 P18327

Net 2.30

## LaFAYETTE LO-PASS LINE FILTER


$3^{99}$

- Dual Ferrite Core Coils

Exceptionally efficient line nolse eliminator. Utilizing dual ferrite core coils, heavily wound. Eliminates line noises caused by motors, industrial RF, neons appliances, etc. Particularly useful on TV and FM sets, radios, tuners, record players. Automatic attenuation of unwanted disturbances. For 110.125 VAC, $60 \mathrm{~Hz}_{;} 350$ watts max. Imported. Shpg. wt.,-1 lb . 99 P 40057

Net 3.90

## LAFAYETTE 4.SET VHF-UHFFM COUPLER


$2^{15}$

- 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 antenna. Exceltent design gives high isolation between sets and low insertion loss. For color and black \& white. Easy to instalf. no-strip 300.0 hm input and output terminals, and mounting hardware. When used with 82 channel NHF-UHF) TV sets, 99.40339 signal splitter required (see this page). imported. Shpg. wt., 502.
99 P 40321
Net. 2.15

## LAFAYETTE INDOOR VHF-UHF SIGNAL SPLITTER



- Separates VHF and UHF Signal from an 82-Channel Single Line Installation

Back of set, VHF-UHF signai splitter, Adapts a single all-channel 300 -ohm twinlead to an 82 channel iv set with separate VHF and UHF $300-0 h m$ input terminals. Low insertion loss and high isola. tion between VMF and UHF bands insures sharp pictures on color and black \& white, No-strip input terminals-includes pre-attached VHF-UHF leads. Imported, Shpg. wt., 3 oz.
99 P 40339
Net 1.65

## LAFAYETTE INDOOR VHFAHF-FM SIGNAL SPLITTER

## 249

- Separates VHF, UMF, and FM Signals from a Single Line Installation


For use with VHF/UMF/FM antenna systems utilizing one 300 -ohm downlead. Effectively separates VHF, UHF, and FM signals for feedIng into 82 channel TV set with set with separate VHF-UHF input terminals and FM recelver. No-strlp input terminals and pre-attached output leads. Mounts on back of set. Low insertion loss and high isolation for strong TV and FM reception. Imported, Shpg. wt., 3 oz 99 P 40032 $\qquad$ Net 2.49

## LAFAYETTE HIGH PASS FILTER



A high pass filter for use at the antenna terminals of a TV set to block interfering signals from radio amateurs, police and taxicab transmitters, paging systems, X-ray machines, passing automobile ignition noise, etc. Attenuation more than 25 db at 47 MHz . Only .5 db insertion loss. Imported.
99 P 40214 Shpg. wt. 5 oz. ... Net 2.39

> FINCO FM BAND PASS FILTER


MODEL 3007. Eliminates interference from citizen band, amateur operators, electric motors, aircraft, fluorescent lamps and auto Ignition. Provides up to 40 db attenuation of all interferlng signals outside the FMM band. Less than 1 db insertion loss in 88 to 108 MHz band. Recommended to be mounted at FM radio set for maximum ef. fectiveness but may be mounted anywhere in tine for less serious applications.
18 P 30165 Shpg. wit. 5 oz. ... Net 4.80

## LAFAYETTE TV FILTERIZER



- Eliminates Most Television Interference
Easily adjusted to remove any antenna-fed interierence causing picture distortion: FM, diathermy, SW, ignition, amateur/CB, adjacent channel, etc. Does not attenuate signal. Tunes out unwanted signal. Easily installed Slies $4 \times 23 / 4 \times 11 / 2^{\prime \prime}$. Imported
99 P 40172 Shpg. Wt., 1 th
Net 3.55


## VIDAIRE COLOR GHOST ELIMINATOR


$3^{99}$

- Reduce Color Fringing
Get true color reception with this color ghost eliminator. Reduces or ellminates multiple images (ghosts) in a picture. Reduce the effects of intermitting caused by strong signals of radio and IV transmitters in nearby areas. L.pad attenuator keeps constant 300 -ohm impedance. Adiustable for all channels, Shpg. wt., 5 oz .
18 Pl$^{\prime} 80020$ $\qquad$ ....N

JFD HIGH-PASS FILTER
 $3^{30}$

- For OutdoorIndoor Use

Model MP50. HI-pass wavetrap that eliminates ham, cltizens' band, police fire marine Intefference. Low phrase shift Ideal for color TV Indoor or outdoor mountling. No-Strip terminals ellminate wire-stripping, splicing or cutting. Low insertion loss 300 ohm impedance. Shpg. wt., 402.
18 P 38200
Net 3.30

## YHF-UHF SEPARATOR and GHOST ELIMINATOR



Separate UHF and VHF signals at set while It helps eliminate ghost and picture tear due to overloading in strong signal areas. Builtin attenuating control eliminates poor sync., multiple images, buzz, beats in picture, etc. Slide switch to VHF or UHF depending on channel selected. To help eliminate a VHF ghost, throw switch to UHF and vice versa. Connects to back of set. Shpg. wt., 502. 18 P 12387

Net 3.95


# Alliance Tenna-Rotor ${ }^{\bullet}$ Systems 



- Factory Lubricated for Life
- Reinforced Housing Weather Protected
- External Hardware of Corrosion Resistant Materials
- Full $360^{\circ}$ Rotation
(A) Model C-225 Automatic Rotor System with Transistorized 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 $13 /$ na $^{\prime \prime} 0 . \mathrm{D}$. Guy wire accesses provide secure instaliation Has patented offset feed thru design for greater strength-to.weight ratio, Control Case is solid-state, featuring a patented phase-sensing bridge circult from scientific taboratory lest equipment. Completely silent operation and accurate repeatability. Size: Rotator: $73 / 4 \times 41 / 2$ $\times 8^{\prime \prime}$, Control Case: $61 / 2 \times 41 / 4 \times 5^{\prime \prime} .115 \mathrm{~V} .60 \mathrm{~Hz} \mathrm{AC}, 80$ Watts. Uses 5 Cond. Cable. Shpg, wt., $91 / 2$ lbs.
18 P 14011 W
Net 35.97
(B) Model U-100 Automatic Rotor system. Accepts masts to $13 / \mathbf{B}^{\prime \prime} 0.0$. Guy wire accesses provide secure installation. Control Box fully automatic, just set control knob and antenna rotates to desired position and stops automatically. Indicator shows position of antenna. Has positive mechanical stop at the end of rotation. Sizes: Rotator $73 / 4 \times 44 / 2 \times 8^{\prime \prime}$. Control Case $7 \times 44 / 2 \times 4^{\prime \prime} .115 \mathrm{~V}, 60 \mathrm{~Hz}$ AC at 65 Watts . Uses 4 Cond. Cable. Shpg. wt., $91 / 2$ los. 18 P 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 Stods with No Drift
[C] Model T.45 manual Rotor system. Slight pressure on the control bar rotates antenna through its full $360^{\circ}$ cycle and stops at any point by releasing the bar. New patented 5 -wire circuit provides a preciston 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 $7 / 4 / 4$ $41 / 2 \times 8^{\prime \prime}$. Control Case $61 / 2 \times 41 / 2 \times 21 / 2^{\prime \prime}$. Uses 5 Cond. Cable.
18 P 14029 W Shpg. wt., 10 lbs .
Net 24.03
(D) Model K-22 Manual Rotor System. Economy model-provides in. stant fingertip control of rotation. Push on end of bar and antenna turns clockwise. Push down on other end and antenna turns counterclockwise. Automatic signal light indicates when limit of travel in either direction has been reached. Size: Rotator $71 / 4 \times 41 / 2 \times 8^{\circ}$. Case $5 \times 5 \times 4$ ". $115 \mathrm{~V} .60 \mathrm{~Hz}, \mathrm{AC}$ at 50 watts. Uses 4 Cond. Cable. 18 P 14045 W Shpg. wt., $83 / 4 \mathrm{lbs}$.

Net 19.37
(E) Thrust Bearing Bracket. Recommended for stacking antennas. Withstands winds up to 90 M.P.H. Prevents buckting and bending. Shpg. wt., 2 lbs .

Net 2.97

## CORNELL DUBILIER ROTORS

AR-22R AUTOMATIC ROTOR SYSTEM (units 1 \& 2)
Heavy duty rotor will handle antennas up to 150 its. Developed from years of experlence in the amateur radio field. Completely weather. proof and life fubricated. Simple automatic operation. Set the edgelit dial at the desired position and the rotor will automatically rotate to this position and firmly brake in place. Reversible clamps will accommodate masts from $7 / \mathrm{s}^{\prime \prime}$ to $\boldsymbol{2}^{\prime \prime} 0 . D$. Control unit is marked In compass points. Housed in attractive Black Vinyl steel clad cabinet, dial edge Hiluminated. Complete with rotor, control unit and instructions. Uses 4 wire cable. For $110 / 120$ volt, $50-60 \mathrm{~Hz}$. A.C. Wt., 15 lbs . 42 P 86076w No Money Down*

Net 36.95
AR-33 SOLID STATE AUTOROTOR ${ }^{\text {TM }}$ (units 1 \& 3)

- Fully Automatic Pushbutton Antenna Rotor

For 5 Specific Stations
Advanced design, heavy-duty antenna rotor. Control unit; features an exclusive CDE patented circult 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 solid state circuitry inciudes rugged silicon transistors protected by an RF bypass provision, heavy-duty relay contacts, and thermally protected transformer. Unit controls the famous CDE heavy-duty "Bell" rotor. Uses five conductor cable. For $110 / 120 V_{\text {. }}, 50 / 60 \mathrm{~Hz}$ AC. Shpg. wt., 16 lbs. 42 P B6100W No Money Down*

Net 49.95

## CABLES FOR ALLIANCE AND CDE ROTATORS

[^9]5 Conductor Cable. Shpg. wt., $23 / 4$ lbs. per 100 ft . Net 3.4032 P 36312 Per 100 ft .

# BLONDER-TONGUE 

## 4-SET VHF-FM TRANSISTORIZED DISTRIBUTION AMPLIFIER



Only

- For Color and Black and White - For Up To 4-TV Or FM Sets

Model OA-4V-300 indoor 300-ohm amplifier for channels 2-13 plus FM All solid-state transistor amplfier can supply up to 4 sets. Gain: At each of 4 outputs-VHF (ch, 2-13) 6 db : Maximum signal-to-noise ratio for clear pictures. Excelient isolation between outputs prevents Interaction between sets. Use in home and small 300 ohm systems. Stripless screw terminals. Self contained power supply. $81 / 4 \times 31 / 4 \times 1^{\prime \prime}$. 117 VAC, 60 Hz . Shpg. wt., $11 / 4 \mathrm{lbs}$.
18 P 18335
Net 20.10

## 4-SET VHF-UHF-FM TRANSISTORIZED DISTRIBUTION AMPLIFIER



Four-set, UHF/VHF/FM amplifier and signal dlvider. Provides 4 ampllfied outputs from single input. Handles high signal strength areas Uses exclusive patented ICEF circuit for wide dynamic range. Strlp. less screw connections. Four-way lightning and surge protection. 300 ohm twin lead inputs and outputs. Gain at each of four outputs-VHF: 7 db , UHF: 8 db . High isolation between TV sets. For 105-129 VAC, 60 Hz . Size: $81 / 4 \times 31 / 2 \times 21 / 4^{\prime \prime}$. Shpg. wt., 1 lb . 18 P18343

Net 32,70

## 4-SET VHF-UHF-FM 75-OHM DISTRIBUTION AMPLIFIER

MOOEL OA-4UV-75. Similar to above, except with 75 -ohm input and $4-75$ ohm outputs. Gain to each output-VHF: 5 db, UHF: 10 db 18 P 18442 Shpg. wt., 1 lb. No Money Down* .............Net 36.20

## MAST-MOUNTING VHF-UHF-FM AMPLIFIER

 Down* and White - Built-In FM FilterVoyager weatherproof all-channel (2-83) amplifier and remote power supply. Silicon transistors provide peak performance. WIII not overioad if there are strong local stations. Dual amplification increases sig. nal up to 5 times. Has separate 300 -ohm UHF and VHF inputs and outputs and FM

Mast Mounted Unit


Indoor Power Supply overload filtep. Protected against lightning, static discharge and powerline surges Gain: VHF (ch. 2.13) 15 db ; UHF (ch. 14-83) 12.5 db . Complete with power supply and mounting hardware. Slize: $21 / 8 \times 31 / \mathrm{s} \times 13 / \mathrm{m}^{\mathrm{m}}$. Power supply, $47 / 8 \times 31 / 8 \times 13 / 8{ }^{\prime \prime}$. For 117 VAC. Shpg, wt., 2 lbs. 18 P 18095
.Net 37.00

## MAST-MOUNTING 2-TRANSISTOR VHF/FM AMPLIFIER

Horizon solld-state, mast-mounted home TV amplifier with remote power supply. 2-transistor circuit brings in distant and local stations with spariting clarity and no overloading. Built-in 2 -set coupler. Gain: At each of 2 outputs_VHF (ch. 2-13) 16 db . Hardware provided, 117VAC, Size $21 / 8 \times 5 \times 37 / 8^{\prime \prime}$. Power supply, $47 / \times 31 / 8 \times 33 / 8^{\prime \prime}$ - Similar appearance to above. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. Wt., $11 / 2 \mathrm{lbs}$. 18 P 18103

Net 27.70

Homer 300 U/V indoor, solid-state, 4-output, 300 -ohm VHF-UHF-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 outputs-VHF (Ch. 2-13) 8.5 db ; UHF (Ch. 14-83) 2.5 db . All terminals with stripless screws, Size: $3 x$ $41 / 6 \times 158^{\prime \prime}$. For 117 VAC, 60 Hz . Shpg. wt., $3 / 4 \mathrm{lb}$.
18 P 18392
.Net 15.70
MAST-MOUNTED HIGH GAIN


Deluxe two-piece mast mounted amplifier for use in the most difflcult reception areas. One of the most powerful units available for the home. May be used in small hoteis, appliance stores, etc. Will drive up to 50 sets in a properly designed distribution system. May be used as a preamplifier for an HAB or other distribution amplifier. Power Is duplexed onto lead connecting amplifier and Its remote power supply. (Power supply is included with unit). Mast mounted amplifier has 300 ohm input anf 75 ohm output. Specs.: 30 db gain on all VHF and FM frequencies, Remote Amplifler/Power supply mounts anywhereindoors. Single 75 -ohm input and output. Supplied with coaxial connectors. Size: Mast Mounted Unit- $51 / 4 \times 33 \mathrm{~s} \times 31 / \mathrm{m}^{\prime \prime}$; Indoor Amplifier/ Power Supply- $81 / 4 \times 31 / 2 \times 21 / 4^{\prime \prime}$. For 117 volts $\mathrm{AC}, 60 \mathrm{~Hz}$.
18 P 18376 Shpg. wt., $23 / 4$ Jbs.
Net 47.20

## BLONDER-TONGUE PRISM-MATIC AUTOMATIC ANTENNA ROTATOR

 $35^{95}$ Solid State Control Box Will Handie Largest Color TV Antenna

- Heavy Duty Thrust Bearings

Model PM-1. Just set the dial and the PrismMatic sutomatically aims your antenna to the direction Indicated. Complete solid state control unit assures precise synchronization throughout the full $360^{\circ}$ rotation. Highpower DC motor allows low current to pass thru the leads. Has automatic shut-off, positive braking and illuminated dial. Off: center loading ensures non-breakage, at 1300 ft .-ibs. Accepts masts up to $11 / 2^{\prime \prime}$ diameter. In addltion, unit is short circuit proof, burn-out proof and lightning protected. Operates at temperature extremes from $-30^{\circ} \mathrm{F}$ to $+140^{\circ} \mathrm{F}$ and $100 \%$ humidity. Factory lubricated for life. Supplied with corrosion resistant mounting hardware. Control unit is hi-impact beige and brown polystyrene cabinet with brushed compass face. $27 / 8 \times 51 / 4 x$ $7 \%$ 105-130 VAC. Uses 4 conductor cables. Shpg. wt., $71 / 2 \mathrm{lbs}$.
18 P 18418W
Net 35.95 For cable listing see page 297

- See Page 23 for Full Details on Easy Pay Plan


# Color TV-FM Boosters 

LAFAYETTE COLOR-BOOST TRANSISTORIZED VHF-FM ANTENNA BOOSTER
FOR CHANNEL 2-13 \& FM/STEREO


- 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 preampllfier for superb fringe area reception. Gives sharp color and clean black and white pictures without snow and interference plus provides a healthy boost to FM. Features exclusive lightning protection circuit, highest quality components, and latest RF circuit tectniques. Weatherproof outdoor housing has handy five-way mounting bracket and "no-strip" screw terminals. Separate power supply plugs into any 117 VAC., 60 Hz outlet. AC isolation transformer in the power supply eliminates shock hazard, Has single 300 ohm input and output. Shpe. wt., $11 / 2 \mathrm{lbs}$. 18 P 02131

LAFAYETTE COLOR-AMP. TRANSISTORIZED VHF-UHF-FM ANTENNA BOOSTER

FOR CHANNEL 2-83 \& FM/STEREO


- 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 color and crisp black and white pletures; instantly im. prove your FM reception, 2-transistor solid-state mast-mounted preampilifier overcomes downlead losses and rejects interference, matching your roof antenna to your TV or FM set under all atmospheric and weather conditions. Gives 20 db boost to VHF and FM; 10 do 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. 1 1/2 lbs, 16 P 02149

Net 22.50

## LAFAYETTE TRANSISTORIZED 4-SET VHF-UHF-FM ANTENNA BOOSTER FOR CHANNEL 2-83 \& FM/STEREO

- 300 ohm Input - 4 - 300 ohm Outputs
- Ideal For Home TV/FM Entertainment Systems
- Perfect For Color And Black and White

Highly efficient 3 transistor indoor amplifier boosts and distributes VHF/UHF/FM signals to as many as four TV and/or FM receivers. Three Noverload i8) silicon overlay transistor circuitry provides 6 db VHF gain and 6.5 db UMF gain at each of four 300 -ohm outputs. Flat response across each chamnel for excellent color. 15 db gain isolation between outputs. High input signal capability 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: $2 \mathrm{H} \times 40 \times 61 /{ }^{\prime \prime} \mathrm{W}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpg. wt., $11 / 2 \mathrm{lbs}$.
18 P 02214
Net 28.50



Model SP-2382CO 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 interference. For color, black and white and FM reception. 300 ohm input and outputs. Weather and lightning protected amplifler unit mounts on mast for high signal to noise ratio. Compact power supply. Needs only one downiead from VHF/UHF/FM antenna, For $110-120$ VAC, 60 Mz . Shpg. wt., $21 / 4$ lbs.
18 P 19158 No Money Down*
.Net 44.00
Model SP-2300CD Similar to above except for VHF-Ch, $2 \cdot 13$ 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 P 39162

# Winegard 

# VHF-UHF-FM SOLID STATE BOOSTER-COUPLER 



Model BC-302 highly efficient TV-FM signal amplifier with overlay silicon transistors and printed circuitry. 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 db avg., UHF), cuts snow even in deep fringe areas. Uses existing 300 -ohm downlead to the input and has $4-300 \mathrm{ohm}$ outputs with "no-strip" connections. In enamel steel case with connectors and instructions. 117 VAC. Shpg. wt., $21 / 4 \mathrm{lbs}$.
18 P 60733 No Monay Down* $\qquad$ .Net 31.25
Model 8c.782. Similar to above except for 75 ohms; gain 6.5 db per output. Shpg. wt., $21 / 4 \mathrm{lbs}$.
18 P60741 No Money Down*
Net 33.80
SOLID STATE VHF.FM 4-SET BOOSTER-COUPLER

- +7.1 db Gain To

Each Of 4-300 Ohm Outputs

- Recommended For Color and Black
 and White
- 75 and 300-ohm Inputs
Model BC-234 makes a good home TV and FM system amplifier, or an amplifled 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 cost operation. Flat response for perfect color reception. No interaction between sets. All metal housing. includes connectors. 117 VAC . 18 P 60758 Shpg. Wt., $21 / 2$ lbs.

Net 29.80 Model BC-274. As above, except with $4-75$ ohm outputs. Avg., gain 4 db per output. With connectors. Shpg. wt., $21 / 2 \mathrm{lbs}$.

Net 29.95

## 18 P 60766

AMPLIFIER
+25 dh YHF-UHF-FM SOLID.STATE COLOR SYSTEM AMPLIFIER
. Will Drive Up to 16


TV/FM Units

- Use In Motels, Apartments, Hospitals, Homes

Model DA- 825A. 75-ohm, 82-channel high quality color and black and white amplifier with 25 db gain. Rugged transistor circultry features silicon transistors in a unique grounded emitter circuit for excellent stability, sensitivity, and ulfra-low nolse figure ( 5.1 db VHF, 7 db UHF.) Provides 35 db mV per channel UHF output with 4-channel input operating at $60 \%$ maximum input level, ideal for home and commercial MATV systems with up to 16 line tap offs. May be used with a single 82 channel antenna or separate VHF-UHF antennas. Has separate inputs for VHF and UHF Model CS-775 separator-joiner recommended for separating 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 117VAC power supply. Shpg. wt., $21 / 4 \mathrm{lbs}$.
18 P 60709 No Money Down*
.Net 45.95
Model CS-775. Separator-Joiner to attach single downlead to separate UHF VHF inputs of DA-825A above. Shpg. wt., $1 / 2 \mathrm{lb}$.
18 P 60824
Net 6.10

## SEE PAGE 299 FOR 2 and 4-WAY 75-0hm LINE SPLITTERS

SUGGESTED DISTRIBUTION SYSTEM FOR ABOVE


## 82 CHANNEL 2.TRANSISTOR YHF.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 Model RD-830 Twin-fransistor antenna preampliffer gives big signal boost to any 82 channel antenna for beautiful color and black and white reception. No extra wires needed; connects to existing downlead. High signal input assures snow-free reception of weak and distant stations. AC isolation transformer-no stock hazard. Protected against llghtning, static discharges, or power line surges. Built-in hi-pass filter. Has single 300 onm input and output. With AC power supply, mtg, hardware. 147 VAC. 60 Mz . Shpg. wt., $14 / 2$ lbs.
18 P60873 $\qquad$ .Net 24.90
Model RD.870. Same as above but 75-ohm output.
18 P60881 $\qquad$ Net 25.29
VHF-UHF-FM SOLIO-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 channels 2 thru 83, plus FM; operates two TV sets or TV and FM set from single 300 oh'm antenna downlead. Unique lightning protected clrcuit overcomes loss of splitting signals. Average gain of 5.25 db to each output, provides a healthy boost for snow-free pictures. High input level prevents overload in mixed signal area, 300 ohm input and output thru handy "no strip" screw terminals. Operates on 117VAC., 60 Hz . Shpg.. $3 / 4 \mathrm{ib}$. 18 P 60717

Net 14.65
Madel BC. 870 . Similar to above, except with 2.75 ohm outputs. Average gain. 4.5 db to each output. Shpg. wt. $3 / 4 \mathrm{lb}$.
18 P60725
Net 16.65


- 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 ( 8 times more signal) to incoming signal. tdeal for fringe and deep fringe areas. 300 ohm input and output. Bandpass: $88-108 \mathrm{MHz}$. Operates on $110-120$ VAC 60 Hz .
1e P 60642 Shpg. wt., $3 / 4 \mathrm{lbs}$.
Net 14.55

## ACCESSORIES FOR DISTRIBUTION SYSTEM



Model VTF-73A-Flush mounting 82 channel variable line tap. Matches 75 ohm input to 300 ohm output. Fils standard wall box-with plug.
18 P 60774 Shpg. wt., 7 oz. $\qquad$ Net 3.85
Model SM-1-Rugged plastic, surface mounting wall box for outlets or line tap-offs. Shpg. wt., 6 oz . 18 P 60907
Model T-28-82-channel molded matching transformer for attach. Ing 75 ohm coaxial cable to 300 ohm anienna terminals of TV set. Fatures very low insertion loss with F-59 connector. Shpg. wt., 7 oz. 18 P 60204

Net 2.19
Model T-28M-Mast mounted 82 channel. Matching Transformer matches 300 ohm antenna to 75 ohm coaxial cable. Complete with nounting clip, weatherproof boot, and F. 59 connector. Wt., 801. 18 P 60816

Net 2.30
Model CS-285-Behind set VHF-UHF signal splitter.
1 P P 50584 Shpg. wt., 4 oz .
Net 2.30
Model CS-175-Behind set VHF-UHF signal spiltter and 75-300 ohm matching transformer with F. 59 connector.
18 P 60675 Shpg. wt. 4 oz.
Net 3.99
${ }^{\text { }}$ See Page 23 for Full Details on Easy Pay Plan

# Add Channels 14-83 To Your 12 Channel TV Set <br> BLONDER-TONGUE UHF CONVERTER <br> <br> BLONDER-TONGUE UHF CONVERTER/ <br> <br> BLONDER-TONGUE UHF CONVERTER/ AMPLIFIER 

 AMPLIFIER}


Model 8TX-111 Now you can enjoy additional educational and regular UHF programming. This attractive solid-state converter adds all UHF channels ( 14.83 ) to your present TV, anywhere within the range of a UHF station. Features a new dual speed 100 to 1 fine vernier and illuminated dial for easy tuning; 3 times amplification; double tuned UHF input circuits and shieided oscillator section for interferencefree reception. AC convenience outlet. Complete with UHF loop antenna, connecting cable. Reliable patented tuner; spliceless, stripless terminals. For $\mathbf{1 1 0 - 1 2 0 V A C} 60 \mathrm{~Hz}$. UL Iisted. Shpg. wt., 2 Ibs. 18 P 18319

Net 32.40

Madel BTX-999 Keep abreast with the new look in TV programming If your present television has been dated by modern UHF reception, modernize your TV and allow for future expansion. Adds all UHF channels (14-83) to your B\&W or color TV set. Ideal for prime signal areas up to 20 miles from the station. and in many areas can perform well using only an indoor antenna. Low noise, solid-state circuit is virtually drift-free, Rugged, reliable patented funer. Fine vernier illuminated dial for easy tuning. Spliceless, stripless terminals. Complete with UHF loop antenna, connecting cable. For $110-120 \mathrm{~V}, 60 \mathrm{~Hz}$, AC. UL listed. Shpg. wt., 2 lbs.
18 P 18301
Net 20.15

## JFD

## "MONTEGO" COLOR VHF/UHF TV ANTENNA

## JFD

## "LE MANS" COLOR VHF/UHF TV ANTENNA

- All Angle Ball Sockets
For Easy Positioning
- Features Color-Accented
Dipoles
- 14-Position Picture Clarifier Control
Just 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 adiustable ballpivoled $45^{\prime \prime}$ telescoping dipoles to pull in true-to- life color, and sharper black and white on channels 2 to 83 . Color accented dipoles. High quality polished chromated brass elements. Handsomely styled walnut colored tilt-proof base. Separate VHF and UHF twin leads. Shpg. wt., 3 lbs. 18 P 3920 B

- 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 possition picture tuning control clears-up snow, ghosts and smears. Interacting impedance matching circuits and adjustable ball.-plvoted $45^{\prime \prime}$ telescoping color-accented dipoles delfiver bright. er, erisper pictures in color or black and white on channels 2 to 83. High quality polished chromated brass ele. ments. Elegant walnut colored tiltproof base with walnut wood grain inlay. Separate VHF and UHF twin leads. Shpg. wt., 4 los. 18 P 39216



## EXACT REPLACEMENT ANTENNAS FOR SONY AND PANASONIC TV SETS



Avg. shpg. wt., 8 oz .
Stock No. Fig. Panasonic Model No. Net 18 P 392651 AN 109, AN 2093.49 18 P 392732 iN 29, AN 52 ? AN 29, AN 52 ?
AN 32, AN 59 ;
4.15
Stock No. Fig. Sony Model No. Net 18 P $392813500 \mathrm{U}, 900 \mathrm{U}, 920 \mathrm{U} 3.27$ 18 P 392993 700U, 710 U

## SNYDER 3D-R VHF-UHF TV ANTENNA



- For VHF-UHF-FM Reception

Your Coior or B \& W, and FM reception can be clear and sharp with the aid of this indoor TV antenna. Features two 4 -section $41^{\prime \prime}$ brass eiements, double UHF loops, and 12 -position selector switch. Walnut base.
18 P 48027 Shpg. wt. $21 / 2$ lbs. Net 3.95

# Rembirandt Color VHF/UHF Indoor Antennas <br> COLOR CHAMPION 

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 elements with exclusive "High Inductance Grid" and "Loading Coll". You can actually plnpoint signal pickup with the combined action of the spectal "Signal", "Picture", and "Color" controls provided. Five gears re. motely control iwo 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 P 12429 Shpg. wt., 41/2 Ibs. Net 24.95
- Features Color Tuning Loops and Power Boosters


## - VHF-UHF Isolation Network

 SwitchGet clearer, sharper pictures on all VHF / UHF channels 2 thru 83, in color and black and white, plus FM stereo. Combined actlon of color tuning loops, power boosters, and 5 section $46^{\prime \prime}$ solid brass elements give superb reception. 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 styling with walnut finish. Range up to 30 miles. Shpg. wt., $41 / 4 \mathrm{lbs}$.
18 P 12411
Net 19.95
"DELUXE" VHF/UHF

## ANTENNA

- For Channels 2.83
- For Color, Black and White TV indoor TV 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 direction of strongest signal. Solid brass tip balls on telescoping arms ellminate signal losses and static discharge interference. Radar 100 p principle makes possible clearer and sharper pictures on all channels. Matched Impedance with separate leads for VHF and UHF. Attractive, walnut finish base. Shpg. wt., $31 / 4$ ibs.
18 P 12080 $\qquad$ Net 9.95

FM STEREO/MULTIPLEX ANTENNA

- Reduces Hum and Noise

Assures virtually distortion-free FMreception. Strengthens weak statinns and helps block out reflected signals and background noise. Features $1 / 4$ wave 4 -section precision arms; $3 / 4$ wave Induction coll; 12 position sta. tion direction control and a specla! nolse filtering circuit for extremeiy effective performance. Provides strong reception over entire 88-108 MHz FM band. Low sllhouette, slimline styling. Walnut finish. Shpg. wt., $21 / 41 \mathrm{lbs}$.
18'P 12197
.Net 6.95


# FM Antennas for Superior Performance 

## "DOUBLE-DRIVEN" 5 ELEMENT FM ANTENNA

- For Fringe Area
goldenized
695

High gain antenna design for the audlophile who seeks perfection in FM reception. Ideally suited for FM-stereo receptlon. Trouble free operation even under severe weather conditions. The fully automatic snap-lock brackets insure easy, rapid and secure installation, Boom length: $72^{\prime \prime}$. Shpg. wt., 5 lbs.

## 18 P 01497 WX

Net 6.95

## FM ALL DIRECTIONAL ANTENNA KIT

- Attaches To Existing TV Mast
- All Directional
- 40 Mile Range


75


Provides excellent gain for areas up to 40 miles from the station. Gold alodized aluminum. Complete with 50 ft . of 300.0 hm twin lead, mast standoff, screw eye standoffs, mast mount.

18 P 01323 w Shpg. wt., $31 / 4$ Ibs $\qquad$
FM ANTENN
18 P 01331 W

Net 6.75
Net 4.50

## "DOUBLE-DRIVEN" 10 ELEMENT FM ANTENNA



Ideally suited FM-stereo reception. This 10 -element double-driven, yagi array has the necessary added gain, sensitivity and directivity to compensate for the lack of signal strength. All-aluminum goldenized construction. Fiberglas insulators. Torsion lock hardware surelock mast clamp. Boom length: $128^{\prime \prime}$. Shpg. wt., 8 lbs.
18 P 01281 W
Net 11.95
LAFAYETTE FM "STEREO-STACK" ANTENNA

- Reception Up To 50 Miles
- Omnidirectional Pickup
- Goldenized Finish

Advanced design "STEREO-STACK" FM antenna is designed especially for FM multiplex reception. Omnidirectional high gain sensitivity is achieved through "stacking" seven folded dipole elements. Antenna is of all aluminum construction with goldenized finish, and mounts quickly to top or side of mast. Receives stations up to 50 miles away. Shpg. wt., 41/2 lbs. 18 P 02263W .....................Net 9.95


## Finco <br> ALL DIRECTION ANTENNA <br> HIGH <br> FM STEREO MODEL FM-4G




- Receives Stations from All Directions
- Gold Corodized Finish

Model fMI mounts on present TV mast. An all direction FM Antenna designed for reception over the entire FM band. Two folded dipoles are matched with a special quarter wave phasing stub for optimum gain and "all direction" radiation pickup pattern. Gold Corodized finish. Wt., $33 / 4 \mathrm{lbs}$. 18 P 30470 W


## WINDOW MOUNTED FM ANTENNA

- For Fringe Areas
- Gold Corodized

Receive clear, strong signals with this 6 element FM antenna. Geometrically designed to provide 9.6 db gain with twin driven element and impedance control stubs. Extra wide spacing of the slx elements results in high front to back ratio (22.5). Square boom for rigid support with locking brackets for no-tilt elements. Preassembled. Shpg. wt. 6 lbs.
18 P 30249WX

FM STEREO MODEL FM. 5


10 Element deluxe FM antenna using twin drive elements with impedance control " $T$ " match stubs. Db gain of 9.6 for maximum reception throughout 88.108 MHz band. Patented fidelity phasing provides 27.1 front to back ratio with 1.25 SWR. Corrosion resistant with gold corodized finish. Sturdy saddle mounting of elements and "box girder" snap out, self aligning brackets are pre-assembled for easy installation. Braced square boom, 10 ft . long. Shpg. wt. 8 lbs.
18 P 30231 wx
. Net 24.99

## INDOOR 2-SET FM

 SIGNAL BOOSTER- Ideal For Apartments, Buildings, etc.
Only
 4

Madel FM-WT. The Ideal answer to FM/FM Stereo reception problems in apartment buildings, etc., wherever a rooftop antenna 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 either horizonal or vertical. The sturdy extendmounting window trame mount will fit any window up to 42 inches wide.
Shpg. wt., $4 \frac{1}{2} \mathrm{lbs}$.
18 P 30462W

## नINCO 1745

- High Gain 20db - Ideal For Stereo And Monaural FM.
 Modet 65.7, high galn, 20 db (nominal), low nolse transistorized FM amplifier, designed to reject any strong signals outside the FM


# UHF TV Antennas for Channels 14-83 



## LAFAYETTE UHF CORNER REFLECTOR

# $495 \quad \begin{gathered}- \\ -\quad \text { Range Up to } \\ 50 \text { Miles }\end{gathered}$ <br> - Goldenized 

## For quality UHF reception even in fringe areas. High gain, sharp horizontal and vertical directivlty elimi. nates "ghosts" and "Snow." Rugged construction, large reflector screen made of highest grade aluminum tubing. "Fold open" assembly. "Gold. enized" finish for protection against weather and salt-air deterioration. Shpg. wt., 3 lbs. 18 P 01448 W <br> Net 4.95 <br> 4-BAY BOW-TIE UHF ANTENNA

- Completely Preassembled

$5^{95}$

- Excellent Directivity
- Flat Response Across Each Channel
- Range Up To 60 Miles

Four bay. UHF bow tie antenna. Exceptionally high ( 12 db ) gain - relatively flat across the entire spectrum.. Fully factory assembled. Quickest and easiest to install. High efficency screen grid reflector boosts front to back ratio. Unique "cross-over", phasing bars-open $V$ elements, Rugged-rigid-corrosion resistant construction. Shpg. wt., 5 lbs.
18 P 01422W
Net 5.95

## UHF INDOOR ANTENNA


$3^{95}$

- Attractive "Bow-Tie" Design

Decorator designed to blend perfectly with any interior. Black "bow.tles" are sharply set off by the attractive goiden grid. Provides excellent UHF reception; minimizes snow and ghosts; attaches to back of any TV set; uses 300 -ohm lead in wire. Shpg. wt., $21 / 2 \mathrm{lbs}$.
18 P 63240
Net 3.95
ATTACHABLE UHF-TV ANTENNA LOOP pick-up for stronger signal reception. Simple to install. universal mounting lugs Will fit twin lead termlnals on any UHF converter or TV set. Shpg. wt., 5 oz . 18 P 38754

# Super Colortron Antennas by Winegard 

## "COLOR-WEDGE" FOR SUPER POWER COLOR CH 2.83 AND FM STEREO



- Delivers Superb Color Fidelity and

Perfect Black and White

- Exclusive Built-In Cartridge Housing
- Optional Solid State Preamplifier Loads Instantly Into Housing
- Single Downlead Into House
- Gold Vinyl Finish
- Super Rugged Truss Construction

Winegard Color-Wedge high gain, 82 channel antennas provide superb cofor fidelify, perfect black and white pictures and excellent FM stereo reception even in deep fringe areas. Extremely high front-to-back ratto and sharp directivity insure ghost-free reception, Narrow vertical reception lobe prevents antenna from picking up such interferences as alrplane flutter, ignifion noise, and harmonic radiations from citizens band or amateur transmitters. Antennas feature perfect, no-loss coupling between VHF and UHF sections and precise impedance match to downlead terminals for excellent signal transfer to TV set. Wedge design of VHF elements provide maximum VHF capture area for increased gain ... up to $50 \%$ shorter than most affchannel antennas with comparable gain. Antenna has gold vinyl finish and performance is not affected by moisture. Super-rugged truss construction holds elements in perfect alignment and withsiands the most severe weather conditions. Completely pre-assembled easy to install. For extra power, use Super Colortron Cartridge Amplifier. See listing below.

| Stock No. | Model No. | Elements | $\begin{aligned} & \text { Max. } \\ & \text { VHF } \end{aligned}$ | $\begin{gathered} \text { Range i } \\ \text { UHF } \end{gathered}$ | $\begin{aligned} & \text { Ilfes } \\ & \text { FM } \end{aligned}$ | Boam Length | Shpg. Wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10 P60782WX | CW-1001 | 56 | 225 | 100 | 120 | 135* | 211/2 | 69.97 |
| 18 P 60840WX | CW-980 | 38 | 185 | 90 | 100 | 114" | 18 | 53.30 |
| 18 P 60857wX | CW-960 | 27 | 125 | 75 | 85 | 77" | $134 / 2$ | 41.95 |

## As Low As <br> $41^{95}$

No Money Down ${ }^{*}$

## Solid State Amplifier <br> For Above Antennas See Listing Below

## High Gain 82 Channel Super Colortron Antennas for VHF-UHF-FM



Extremely high unlform gain for VHF-UHF-FM reception, Three models with pin-point directivity. High front-to-back ratio for sharp, clear color and black and white reception Exclusive impedance correlators allow each model to be much more compact for easier installation and less wind resistance. Features vertical resonant UHF reflectors for very high UHF gain. FM control elements allow user to peak antenna for extra long distance FM and FM stereo. Exclusive built-in cartridge housing holds $300 / 75$ ohm terminal board (included) for weather-tight down-lead connection. For extra power, use Super Colortron Cartridge amplifier listed below.

| Stock No. | Model ${ }^{\text {do }}$ | Elements | Wax. | $\begin{aligned} & \text { ange } \\ & \text { UHF } \end{aligned}$ | $\begin{gathered} n \text { Whles } \\ \mathrm{FM} \end{gathered}$ | leomm Length | $\begin{aligned} & \text { Shpg. } \\ & \text { Wt. } \end{aligned}$ | N(t |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18 P 60618wx | SC-810 | 23 | 90 | 60 | 85 | 81" | 94/2 lbs. | 29.95 |
| 18 P 60626W | SC-800 | 18 | 75 | 50 | 70 | 64" | 8 lbs. | 23.95 |
| 18 P 60634W | SC-790 | 13 | 50 | 40 | 55 | 44" | $61 / 2 \mathrm{lbs}$. | 18.95 |

## Solid-State Cartridge Amplifier for all Super Colortron Antennas Above

## - Amplifies VHF-UHF \& FM Signal

- Signal Booster Extends Reception Range, Strengthens Weak Channels and Lets You Operate Several Sets At The Same Time

[^10]$\triangle D$ LPV-CTC LOG-PERIODIC COLOR TV ANTENNAS FOR CHANNELS 2.83 AND FM STEREO

Color Tuned Capacitor-Coupled

## 3 <br> ANTENNAS IN 1. VHF/UHF/FM

- Features Twin.Boom Construction
- For Color or Black and White

Powerful antenna covers entire VHF-UHF TV range, plus the FM band, with a single down lead! Capacitor elements on VHF-FM, and special wedge shaped and disc directors on UHF develop higher gain, narrow beam widths, and higher front-to-back ratios resulting in deep rich color, and crisp, sharp, black and white pictures on channels 2-83, plus FM Stereo. Simplified installation, with Heavy-Duty Twin-Boom construction for extra reinforcement. Model LPV-CTC639 has added reinforcement with rugged U-boom. Antennas are of As Low As weather resistant gold alodized aluminum. Less Mast.

|  |  | Active Ele- Max. ments VHF |  | Range In Miles UHF FM |  | 800 m |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Model No. |  |  | h |  | Net |
| 18 P 39224WX | LPV-CTC639 | 39 | 185 |  |  | 90 | 100 | 163 " | 10 | 54.75 |
| 18 P $39232 W X$ | LPV.CTC426 | 26 | 125 | 75 | 85 | 108" | 111/2 | 36.49 |
| 18 P 39240WX | LPV.CTC220 | 20 | 90 | 55 | 60 | $83^{\prime \prime}$ | $81 / 2$ | 21.42 |

## LPV-TV COLOR LOG PERIODIC VHF/FM ANTENNAS

 FOR CHANNELS 2.13 AND FM STEREO
## As Low As

## $21^{23}$

- Highest Gain For Deep; Rich Full Color On all VHF channels
- Dual Boom Ruggedized Construction

Pulls in extra true color and sharp black/white pictures-plus tru-fidelity FM through patented frequency-independent, log periodic design with capelectronic dipoles. Maximum gain and directivity on all VHF channels and especially channels 7.13. High $\mathrm{S} / \mathrm{N}$ ratio eliminates snow. Ghost and interference rejected by sharp directivity, narrow beamwidth and high $f / 0$ ratlo. "Flip.Quick" construction for quick easy assembly. Models LPV.TVI30 and LPV.TVI 90 reinforced by powerful-U-boom. All models gold colored alodized for protection against weather and corrosion. Less mast.


| Stock No. | Model No. | Active <br> Elements | Max. Range in Miles | Boom Length | Shpg. wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $18 \mathrm{P} \mathrm{38846WX}$ | LPV.TV190 | 19 V | VHF up to 225 | 205" | 17 lbs . | 68.96 |
| 18 P 38820WX | LPV.TV130 | 13 | VHF up to 175 | 143" | 14 lbs . | 44.40 |
| 18 P 38796WX | LPV.TV60 | 6 | VHF up to 90 | 703/4* | $61 / 2 \mathrm{lbs}$. | 21.23 |



## MARINE/AUTO TV ANTENNA KIT

## As Low As $22^{46}$

- Spring-tension Auto Clamp Or Mariné Mounting Bracket Insures Quick Portable Operation
- Six Position Picture Clarifier Brings In Sharpest Picture

[^11]
# LAFAYETTE VHF-UHF Color TV/FM Antenna Outfits with ALLIANCE Rotator System 



## Choice of Chimney or Tripod Roof Tower Installation

Lafayette Anterna Outfits include everything you need for a complete Installation! All outfits feature your choice of either Lafayelte's 18-01828WX 25 -Element "Fringe" Antenna, or Lafayette's 18-02172WX 63-Element "Ultra-Fringe" Antenna (See Pages 284 and 285). PLUS Alliance's Model U-100 Automatic Rotator System (See Page 297). Each outfit contains your choice of either a heavy-duty 3 ft . Iripod Roof Tower Mount with pltch patches and lag screws, or a heavy duty "Y" type Snap-In Chimney Mount with 12 ft . $3 / 4$ " stainless steel straps. All outfits include: 100 feet of heavy-duty rotor cable; 100 feet of foam twin lead; $1-5 \mathrm{ft}$. and $1-21 / 2 \mathrm{ft}$. Gold-Kote 16 gauge steel mast; $4-31 / 2^{2^{\prime \prime}}$ wood screw-eye standoffs; $1-71 / 2^{3 \prime}$ wood screweye standoff, and 2 dual mast smap-on insulators.

Complete Antenna/Rotator Installation Outfits

| Stock No. | Artenna | Mount | Shpg. wt. | Net |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 18 \text { P } 90458 W \mathrm{WM} \\ & 18 \text { P } 90441 \mathrm{WXM} \end{aligned}$ | "Ultra-Fringe" | Chimney | 40 | 82.95 |
|  | 18-02172WX |  |  |  |
|  | "Ultra-Fringe" |  |  |  |
|  | 18-02172WX | Tripoo-Roof | 44 | 85.95 |
| 18 P $90433 W X M$ | "Fringe", 18-01828wx | Chimney | 35 | 61.50 |
| 18 P 90425WXM | "Fringe" 18-01828WX | Tripod-Roof | f 39 | 64.50 |



## CONICAL WINDOW <br> ANTENNA



- Ideal for Apartments
- All Aluminum Construction


## POWER BEAM <br> VHF ANTENNA <br> LAFAYETTE "PRIME AREA" VHF-UHF-FM ANTENNA

[A] VHF MODEL
Contains 4 full-sized elements plus 2 high frequency dipoles. Ideal for apartment buifding, hotels, etc., or wherever roof-top installations are impractical but necessary for the greater gain which is provided by a good outdoor antenna. Complete with all mounting hardware, less 300 ohm twin lead. Base spans up to $44^{\prime \prime}$. Shpg. wh., 3 lbs. 18 P 01380 B VHF/UHF MODEL Same as VHf model plus 8 element UHF section.

## 18 P 01646 W ............................. 95

18 P 01398 Extenstion bar to $60^{\prime \prime}, \quad 1.69$ 18 P 01406 Extension bar to $72^{\prime \prime} \ldots . . . . .2 .29$

- For VHF-FM

Reception

- Range To 60 Miles 795
- Goldenized Finish

The ideal metropolitan and surburban VHF TV antenna. For Ch. 2-13. Broad-band, sharply directive. Full length elements, all aluminum construction, famous in-line design. 300-0hm impedance match reduces stray reflections and ghosts. Less mast. Shpg. wi., $41 / 2 \mathrm{lbs}$.

Improve Your Color TV Reception With Lafoyetre Anterinas

- 9 Elements - Range Up To 30 Miles
- Complete with VHF-UHF Signal Splitter

Receives sharp. clear pictures on all VHFUHF channels 2 to 83, plus FM/Stereo. Features 5 VHF and 4 UHF elements for crisp clean pictures in color or black and white. Gold colored anodized all aluminum construction. Only one downlead needed to set. Deluxe square boom for ertra slability. Less mast. Shpg. wt., 3 lbs.
18 P 02230w
Net 6.25

# LVL Log-Periodic Antennas 

# LaFAYETTE "HIGH POWER" "VECTOR-LOG" SWEPT-ELEMENT ANTENNAS DESIGNED FOR YHF-TV CHANNELS(2-13) AND FOR DYNAMIC FM 

- Intensifies Color or Black-White Pictures Plus FM


## $33^{50}$ <br> 36 ELEMENTS <br> No Money Down*

- Excellent Front-to-Back Ratio . . . High db Gain
- Sharp-Narrow Directivity and Selectivity
- Flat TV Color Response - Plus FM Signal
- Protective Goldenized Finish

Lafayette's powerful, revolutionary IVL -deslgned specifically for (VHF) true-to-life colop reception plus black and whlte. Also reaches out to pull in static-free FM and stereo FM signals. Five models to choose from for ideal performance. Offers such exceptional quality features as; Heavy aluminum reinforced insulator cups-heavy duty insulators-special
back-up brackets and square boom! Triple thick combination sleeved elements assure great ruggedness. Double contact drive line and air-insulated spacers provide maximum signal delivery to set. Less mast and twin lead. . With boom brace support.


FAMOUS VHF.FM COLOR 'TENNA


Twelve twin-driven elements work with carefully tuned, phased and spaced directors and reflectors to extend flat high gain response across entire VHF band. Cuts out ghosts and unwanted signals. Rugged reinforced aluminum elements and brackets stand uif under most severe wind znd ice loading. $100 \%$ preassembled for easy installation less mast. lead in. Slipg, wt.. $61 / 2$ lbs. 18 P 01018WX
jFD
TV/FM ROTATING TRAVEL ANTENNA KIT
LAFAYETTE "Star Fire" "M COLOR ANTENNA


- Range Up To: VHF- 50 Miles, UHF- 25 Miles, FM- 30 Miles
Eleven element high gain antenna provides VHF-UHF \& FM reception with one downlead. Separate folded dipoles on low and high bands assure greatest power with constant 300 ohm impedance match. Sturdily constructed $68^{*}$ boom. Completely pre-assembled-just snap open to install. Goldenized finish resists corrosion.
18 P 01976 WX Shpg. wt., 5 Ibs.
Net 10.95



## For VHF-UHF-FM/Stereo

## $48^{75}$

No Money Down*

- Ideal for Trailers, Mobile Homes; Campers

Model LPV-TL7. Enjoy home living room TV/FM Stereo reception wherever you travel! Kit includes sensitive 9 element gold-colored alodized VHF/UHF/FM B2-channel color-TV antenna with manual rotator, gold-colored alodized aluminum mast. VHF/UHF/FM signal splitter, and $25^{\circ}$ of 300 ohm foam twin lead. Famous patented allchannel log periodic antenna design performs where others fail. Pulls In vivid color and sharp black-and-white pictures. You can alm the antenna right at the station for ghost-free pictures with the unique JFD $30^{\circ \circ}$ manual rotating mechanism that operates from inside your traller. When you move on, just swing down the Travettenna into locked traveling position. When you're ready to watch TV, simply open it up.
18 P 39315 W Shpg. wt., 10 lbs.
Net 48.75
${ }^{\text {- S See Page }} 23$ for Full Details on Easy Pay Plan

# TWIN-BOOM VHF-UHF-FM/Stereo Log-Periodic Antennas 



- One Down Lead Required
- Extra Long Super Sensitive Capacitor-Coupled VHF Elements
- Multiple Directors and UHF Driven Elements for Maximum Picture Power
- Twin-Boom Construction for Extra Strength
- Goldenized Finish for Long Lasting Protection

Lafayette deluxe all-purpose twin boom three-in-one antenna for VHF, UHF, FM/STEREO. New frequency independent design permits all elements to work together on both low and high bands for maximum front-to-back ratio and high db gain. Extra long up to $55^{\circ \prime}$ reinforced aluminum VHF elements with wide band "cap-electronic" elements operate on both fundamental and harmonic modes. The result is an Increased number of working elements producing maximum gain and directlvity to bring sharpness and color brilliance to your screen. Disc-on-Rod UHF director system reinforces performance of surface wave UHF driver on low end of UHF band. Improved impedance match obtained by unique twin boom construction which comblnes mechanical rigidity with superior electrical performance. This superior construction virtually does away with interference caused by wind and vibrations. Features heavy duty insulators, rust resistant hardware and lasting goldenized finish. Complete with splitter to separate VHF, UHF, and FM signals. Less mast.
(A) 63 ELEMENT "ULTRA-FRINGE" ANTENNA

Range in miles up to: VHF to 200, UHF to 100 , FM to 110,63 individual elements, 22 for VHF/FM, 41 for UHF. Has heavy duty $3 / 4$ " square "Twin-Boom" and boom brace support. Boom Length 15'2" 18 P 02172WX No Money Down*

Net 46.95
[8] 45 ELEMENT "DEEP-FRINGE" ANTENNA
Range in miles up to: VHF to 150 , UHF to 80 , FM to 85,45 individRal elements, 16 for VHF/FM, 29 for UHF. Has heavy-duty $3 / 4^{4 \prime}$ square "Twin-Boom" and boom brace support. Boom Length 11'2" 18 P 02180Wx No Money Down*

Net 31.45

## [C] 27 ELEMENT "NEAR-FRINGE" ANTENNA

Range in miles up 10: VHF to 100, UHF to 60, FM to 65,27 individwal elements. 12 for VHF/FM, 15 for UHF. Has heavy-duty $3 / 4$ " square "Twin Boom." Boam Length 7'10". Shpg. wt., 9 lbs. 18 P 02198WX


VHF-TO 200 Miles UHF-TO 100 Miles FM To 110 Mites


0

$20^{9}$
VHF to 100 miles
UHF to 60 Miles
FM to 65 Miles

## 95

## FOR VHF - UHF - AND FM/STEREO

- For Color and Black and White
- Protected Goldenized Finish
- Easy To Install, Just One Down Lead

26 Element super color antenna with high gain providing fringe area reception on all VHF/UHF/FM channels. High front-to-back ratio minimizes co-channel interference. Rugged aluminum harness, with rust-proof clips deliver maximum signal to set. Includes VHF/UHF/FM signal splitter. Requires only one down-lead. Range: 26 element, up to 140 miles VHF, 75 miles FM, 60 miles UHF. Boom length $105^{\prime \prime}$ with aluminum boom support.
18 P 01638 WX Shpg. wt., 9 Ibs
Net 24.95

## SRLAFAYETTE LVL-UV Log-Periodic Antennas <br> FOR VHF-UHF-FM/STEREO


VHF to 85 Miles UHF to 50 Miles FM to 55 Miles



VHF to 125 Miles UHF to 65 Miles FM to 70 Miles


- For Color or Black-White Pictures Plus FM
- One Down Lead for All 3 Signals
- Powerful Log Periodic Design
- High Front-to-Back Ratio-High Gain
- Goldenized Finish For Long Lasting Protection
- More Picture Power On Channels 2 To 83

Super color-engineered antennas of famous log periodic design for color TV and stereo FM. Now you can easily install one antenna in. stead of three to obtain superb reception on VHF channels 2-13, UHF channels $14-83$ and the FM Dand with one downlead. Ends unsightly roof clutter while providing strong, clear signals to improve the performance of any TV or FM set. All antennas are preassembled. VHF elements are reinforced with triple-strength sleeves at pivat points. The goldenized finish provides weather protection. Larger model features boom brace supports for greater rigidity. Supplied with a 3 -way splitter for good isolation and low signal loss. Less Mast.
A 41 ELEMENT "EXTREME FRINGE" ANTENNA
Range in miles up to: VHF to 175, UHF to 90 , FM to 95.41 Individual elements, 26 for VHF/FM, 15 for UHF. Has $1^{\prime \prime}$ square 15 ft . boom with brace boom supports. Shpg. wt., 13 lbs.
18 P 01802 WX No Money Down
Net 36.50

## B 25 ELEMENT "FRINGE"ANTENNA

Range in miles up to: VHF to 125 , UHF to 65 , FM to 70.25 Individual elements, 14 for VHF/FM, 11 for UHF. Has 1 " square $10^{\prime} 1^{\prime \prime}$ boom. 18 P 01828 WX Shpg. wt., 9 lbs.
...Net 22.95

## 17 ELEMENT "SUBURBAN" ANTENNA

Range in miles up to: VHF to 85 , UHF to 50 , FM to 55 . 17 Individual elements, 10 for VHF/FM, 7 for UHF. Has $1^{\prime \prime}$ square $4^{\prime} 8^{\prime \prime}$ boom.
18 P 01836 WX
Net 16.75

## D 13 ELEMENT "METROPOLITAN" ANTENNA

Range in miles up to: VHF to 60 , UHF to 30, FM to 35 . 13 Individual elements, 6 for $\mathrm{VHF} / \mathrm{FM}, 7$ for UHF. Has $1^{\prime \prime}$ square $30^{\prime \prime}$ boom. Shpg. wt., 41/2 lbs.
10 P 01844W
Net 11.95


# Antenna Wire - Guy Wire - Speaker and Zip Cord 

## D <br> UHF-VHF OPEN LINE

300 OHM . Attenuation averages only 1.9 db over entire UHF band. No. 18 copperweld wlre-pure polyethylene separators spaced at $6^{\prime \prime}$. Spaced only $1 / 2^{\text {e }}$ between conductors. Shpg, wt., 2 lbs, per 100', Available only
in lengths fisted below.
32 P 36106100 ft . coil 32 P 36114250 ft . coil

Net 4.05 450 0HM Similar to above. $1^{\text {" }}$ spacin tween conductors.
32 P 36130100 ft . Coil ......... Net 3.99
32 P 36148250 ft , spool
Net 9.65
32 P 36155500 ft . spool
Net 18.79
$\square \begin{aligned} & 300 \text { OHM } \\ & \text { TWIN LEAD }\end{aligned}$
BROWN. HIgh quality, low-loss lead-in for all TV and FM installations. 55 mil polyethy lene dielectric- -22 gauge copper leads. Only in lengths Itsted befow. Shpg. wt., 1 ib. per 100 ft.
32 P 89121100 ft. coil ...... Net 1.59 32 p 89139500 ft . coil ...... Net 6.85 32 P 89147 1,000 ft. coil ....... Net 12.81 CLEAR. Same as above but clear for a better blend with base boards.
32 P 89154100 tt. spool .... Net 1.68 32 P $89154 \quad 100$ tt. spool .... Net 1.68 32 P 89170 1,000 ft. spool ..... Net 14.11

## HEAVY DUTY

300 ohm brown twin lead with 80 mil thick polyethyiene insulation and 20 gauge copper conductors. Shpg wt., $13 / 4 \mathrm{lbs}$. per 100 ft . 32 P $89188 \quad 100 \mathrm{ft}$. coil ........ Net 1.99 32 P 36452 1,000 ft. coll ........ Net 16.95

## $\equiv=$ <br> ROTATOR CABLES

4 CONDUCTOR FLAT. Flexible stranded No. 20 copper encased in tough plastic insulaton. Shpg. wt., $21 / 2$ lbs. per $100^{\prime}$ coil. 32 户 89105100 ft . coil ............. Net 3.40
4 CONDUCTOR ROUND HEAVY DUTY. Belden 8489. All 18 gauge stranded flexible conduc. tors, plastic insulated and Jacketed. $5^{3 / 4}$ Ibs. 32 \& 17106100 ft . coil ............. Net 8.76
5 CONDUCTOR FLAT. Same construction as 4-cond. flat. Shpg, wt.. $2^{3 / 4}$ lbs.
32 P 36312 per 100 it.
Net 4.72
a CONDUCTOR ROUND. Belden 8488, No. 22 stranded copper conductors. Vinyl Insulated, vinyl jacket. In 100 ft. colls only.
32 P 14863 Shpg. wt., $33 / 4 \mathrm{lbs}$. Net 6.75
8 CONDUCTOR ROUND HEAVY DUTY. Belden 8448. Similar to above but 2 conductors are 18 gauge. 100 ft . coll.
32 P 14574 Shpg. Wt., $53 / 4 \mathrm{lbs}$. Nef 10.26
$\qquad$ LIFELINE COPPERWELD TWIN LEAD

- Guaranteed for Life of Your Antenna

Guarantee: If this delure 300 ohm Ine fails to last the life of your antenna we will replace it at no charge. 20 Gauge Copperweld (copper clad steel) conductors with inest brown polyethylene insulation, Chemcally protected against deterioration. Special "waste free" dispenser dackake. Shpg. wt, $2^{1 / 4}$ lbs. Per 100 ft .
32 P 36163100 ft, package.... Net 2.65 32 P $36460 \quad 1000 \mathrm{ft}$.

Net 24.40

## MINIATURE ZIP.CORD $\longrightarrow$ PARALLEL CABLE

Multi purpose miniature zip cord. 2 conduc tor, 24 gauge stranded. Extremely flexible for $\mathrm{Hi}-\mathrm{Fi}$ installations, auto speakers, low voltage control, etc. Avallable in white, brown, gray, clear.

## Average shpg. wt., 1 lb . per 100 ft .

| P | 25 ft . white | Net . 50 |
| :---: | :---: | :---: |
| 32 P 89246 | 25 ft . brown | - |
| 32 P89253 | 25 ft. gray | Net |
| 32 P 89261 | 25 ft. clear | Ne |
| 32 P 89279 | 50 ft . white | Net 80 |
| 32 P 89287 | 50 ft . brown | Net -80 |
| 32 P 89295 | 50 ft . gray | . 80 |
| 32 P 89303 | 50 ft . clear | 5 |
| 32 P 89311 | 100 ft . white | 1.25 |
| 32 P 89329 | 100 ft . brown | 1.25 |
| 32 P 89337 | $100 \mathrm{ft} . \mathrm{gray}$ | 1.25 |
| 32 P 89345 | 100 ft . clear | 1.25 |

## SPEAKER-LAMP

 CORDU.L. listed 2 conductor zipcord for lamps, speaker leads, etc. All No. 18 Gauge except *is 16 Gauge. Shpg. wt., $43 / 2 \mathrm{fbs}$. per 100 ft . Only in lengiths shown below.

> PLASTIC INSULATION PGT

## 32 P 31743 Black 25

32 P 31768 Brown 25'
32 P 31776 *Brown 25'
32 P 31800 Black $100^{\prime}$
32 P 30026 Brown $100^{\prime}$
32 P 31826 *Brown 100
32 P 31834 Gray $100^{\circ}$
32 P 31842 White 100
Net 1.40

32 P 31842 White 100
Net 1.40
Net 3.75
Net 3.75
Net 3.75
Net 6.75
Net 6.75
Net 3.75
Net 3.75
Net 8.95

## INDIVIDUALLY

SHIELDED ZIP CORD
Two conductors No. 24 (7 x 32) individually shielded in spiral wrap. Gray plastic jacket over each conductor. Ideally suited for audio, hi-fi, stereo and laboratory use, Shpg. wt., 1 lb . per $25^{\circ}$.
32 P $316935^{\circ}$ spool
Net 2.00
32 P $3170150^{\prime}$ spool
Net 3.39

## ANTENNA WIRE

Finest grade high tensile strength copper for all antenna requirements. Avz, shpg. wt. $21 / 2 \mathrm{lb}$. Only in lengths listed below. 32 P 3618975 ft . $7 / 22$ bare …... Net 2.59 32 P 36197100 ft . 7/22 bare ....... Net 3.25 32 P $36221 \quad 75 \mathrm{ft}$. $7 / 26$ bare ........Net 1.39 32 P 36239100 ft . 7/26 bare .. Net $\$ .69$ 32 P 30091100 ft . 12 solid enamelNet 4.85 32 P 30109100 ft. 14 solid enamel Net 3.35 COPPERWELD. Copper outside conductor bonded to steel core. For ham antennas, commercial installations, non-stretch, hard drawn high conductivity copperweld wire.
32 P $36247 \quad 75 \mathrm{ft} .12$ solid 32 P 36254100 ft . 12 solid 32 P $36262 \quad 75 \mathrm{ft}$. 14 solid 32 P 36270100 ft . 14 solid

Net 3.33
Net 3.33
Net 4.20
Net 4.20
Net 2.64
Net 2.64
Net 3.49

## INTERCOM WIRE



2-conductor Twisted: Flexible, tinned copper with plastic Insulation over each conductor. Shpg. wt., 2 lbs. per 100 ft . Available only In lengths ilsted below
32 P 30521100 ft . coil
Net 1.49
32 P 30539250 ft. spool
Nel 3.39
3 conductor twisted. Same construction as
above. Shpg. wt., 1 ib . per 100 ft
32 P 30547100 ft . coil ............Net 2.09
32 P 30554250 ft. spool .......... Net 4.70
3 conductor twisted. Same construction as
above but with outer plastic jacket overall.
Shpg, wt., 2 lbs. per 100 ft .
32 P 30562100 ft . coil
32 P 30570250 ft , spool
Net 3,65
Net 8.60

## - For UHF.VHF and Color TV

A flat $300-0 \mathrm{hm}$ twin lead with the conductors totally encased in and surrounded by polyethylene foam with an outer black polyethy ene jacket. Has high resistance to ultraviolet rays, oll, fumes, moisture, salt air and abrasion. 20 -gauge stranded copper conductors. Available only in lengths listed below. Shpg. wr., $31 / 2$ ibs. per 100 ft .
32 P 36031 50-ft. Coil ..... Net 2.29 32 P 36049 100-ft. Coil ...... Net 4.19
32 P 36015 500.ft. Coil
Net 18.60
32 P 36023W 1000-ft. Coil
Net 36.85

## GUY WIRE

Available in Fiberglas,
Steel, Vinyl Covered Steel and Aluminum


FIBERGLAS GUY WIRE
Non-metalic, non-conductive, non-radiating guy line for minimum loss. 1000 pounds tensile strength. Will not rot, shrink. streich or sag. Shpg. Wt. $31 / 2 \mathrm{lbs}$. per 100 ft .
32 P 45016100 ft.
32 P 45024600 ft .
6.50
37.75

STEEL GUY WIRE
Six strands of no. 20 high tensile strength galvanized steel wire.
33 P 3101450 ft . roll Wt., $1 \mathrm{lb} . .55$ 33 P 31022100 ft . roll Wt., 2 lbs. . 95 33 P 31030500 ft , roll Wt., 10 lbs. 4.59

VINYL COYEREO GUY WIRE
Steel guy wire as above wilth translucent green vinyl. Covering; weatherproof, nonstretch, long lasting.
32 P 3649450 ft . roll Wt., $11 / 2$ Ibs. 1.05 32 P 36502100 ft . roll Wt., $21 / 2$ lbs. 2.00 32 P 36510250 ft . soll Wt., $64 / 4 \mathrm{lbs} .4 .89$

## ALUMINUM GUY WIRE

7.18 gauge stranded wires. Breaking strength 500 lbs. Shpg. wt., $11 / 4 \mathrm{lbs}$.
34 R 46275100 ft , roll.
Net 2.65

## ALUMINUM GROUND WIRE

No. 8 gauge solid conductor
33 p 3104850 ft coil. Wt., 1 lb.
33 P 31063500 ft coil, Wt, 9 lb .9 .15
ANTENNA STRAIN IMSULATORS

(B)

Fig. A. Brown glazed porcelain. Shipg. wt., 302.

32 R 30083-lots of 10 ea. . 10 Singly . 23 Fig. B. Johnson 136-32, $11 / 2^{\prime \prime}$ Long. Dry glazed porcelaln.
33 R 32459 wt., 2 oz
Net ea. 22

## SHIELDED

 - $x^{2}$ " $\mathrm{CO}=\mathrm{COCO}-\mathrm{FOAM}$ "- All Channel Color TV and FM Cable Assures excellent VHF, UHF, COLOR and $8 / \mathrm{W}$ T.V and FM reception in crowded areas where reception is critical. Mylar-aluminum shielding provides strong and clean signals, eliminating electrical noise and ghost signals, 22 gauge, solid copperweld conductors, foam insulation, mylar-aluminum foll shield stranded in copper down wire, black poly ethylene outer jacket. Spade terminals in cluded. $43 / 4 \mathrm{lbs}$. per 100 ft . Only In lengths
listed below. 50 ft . coil
32 P 31867
$32 \mathrm{P} 31875 \quad 75 \mathrm{ft}$. coil
32 P 31883100 ft . coil
Net 4.39
,

Net 5.98
Net 7.95

# Coaxial and Special-Purpose Cable <br> RG LOW-LOSS COAXIAL CABLES 


$T=$ Cuaxial
Excellent for RF, amateur and citizens band applications. AN brand
with standard type numbers and meet requirements of $R G$ cables on qualified products list of U.S. Government. $0.0 .:$ RG-8/8U, RG.11/U,

RG-8/U 29.5; RG-11/U 20.5; RG-11A/U 20.5; RG.58/U 28.5; RG-58A/U 29.5. RG.59, U 21. Available only in lengths listed below. Average shpg. wt., per 100 ft ., 12 lbs .

| RG Type | lmp. | 50 Ft. Length |  | 100 Ft . Length |  | 250 Ft. Lengths |  | 500 FL. Lengths |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RG 8 , U | 52 | 32 P 17080 | 8.70 | 32 P 30315 | 16.30 | 32 P17098 | 34.80 | 32 P 30323WX | 64.80 |
| RG.11/U | 75 |  |  | 32 P 30349 | 14.10 | 32 P17114 | 33.00 | 32P30323Wx | 64.80 |
| RG.58/U | 53.5 50 | 32 P 17122 32 P 17148 | 3.21 | 32 P 30364 | 5.64 | 32 P 17130 | 12.15 | 32 P 30372 WX | 20.70 |
| RG-58A/U RG-59/U | 50 73 | 32 32 | 3.51 | 32 P 30224 | 6.60 |  |  | 32 P 30232 WX | 23.70 |
| RG-59/U | 73 | 32 P17155 | 3.90 | 32 P30398 | 6.90 | 32 P17163 | 15.45 | 32 P $30406 W X$ | 23.90 |

## STEREO PHONO wamere PICKUP WIRE

Extremely flexible, lightweight wire for all stereo cartridges and tone arms. No. 32 stranded 2, 3 and 4 conductor twisted miniature color coded cables. Low hum and noise plckup for best stereo performance. Shpg. wt., 10 Ft ., 3 oz.; 25 Ft ., 5 oz.

UNSHIELDED WIRE

|  | 10 Ft Spool |  | 25 Ft Spool |  |
| :---: | :---: | :---: | :---: | :---: |
| Cond. | Stk, No. | Net | Sth, No. | Net |
| 2 | $32 P 31263$ | .63 | 32 P | 31271 |
| 3 | 32 P | 31289 | .81 |  |
| 4 | 32 P 31305 | .90 | 32 P | 31297 |

*Individually shielded conductors

| 2 | 32 P 31321 | . 86 | 32 |  |
| :---: | :---: | :---: | :---: | :---: |
| 3 | 32 P 31347 | 1.08 | 32 P 31354 | 1.79 |
| 4 | 32 P 31362 | 143 | 32 P 31370 | 2.33 |
| $2 *$ | 32 P 31388 | 1.08 | 32 P31396 | 2.1 |

## MAGNET WIRE

Finest quality. Available in plain enamel or heavy FORMVAR insulation. See FORMVAR listing for
 approx. footage per lb.
Available in $1 / 2 \mathrm{lb}$. spools only. Shpg. wt., $3 / 4 \mathrm{lb}$.

## PLAIN ENAMELED $1 / 2$ L. 8 . SPOOLS

| B\& |  | B \& 5 |  |
| :---: | :---: | :---: | :---: |
| 1432 P 31586 | 1.32 | 2832 P 3 | 1.86 |
| 1632 P 30596 | 1.37 | 3032 P 3 | 71.93 |
| 1832 P 30612 | 1.50 | 3232 P 3 | 2.00 |
| 2032 P 30638 | 1.55 | 3432 P 30 | 2.20 |
| 2232 P 30653 | 1.60 | 3632 P 30 | 2.55 |
| 2432 P 30679 | 1.67 | 3832 P 3 | 2.99 |
| 2632 P 30695 | 1.76 | 4032 P 3 | 3.51 |
| HEAVY FORMVAR IN 1 LB. SPOOLS |  |  |  |
| Stock No. B | BAS Siz | Feet | Net |
| 32 P 30828 | 14 | 78 | 2.20 |
| 32 P 30836 | 16 | 124 | 2.23 |
| 32 P 30844 | 18 | 198 | 2.32 |
| 32 P 30851 | 20 | 313 | 2.43 |
| 32 P 30869 | 22 | 501 | 2.53 |
| 32 P 30877 | 24 | 798 | 2.71 |
| 32 P 30885 | 26 | 1200 | 2.86 |
| 32 P 30893 | 28 | 1999 | 3.20 |
| 32 P 30901 | 30 | 3200 | 3.39 |
| 32 P 30919 | 32 | 4900 | 3.93 |
| 32 P 30927 | 34 | 7950 | 4.13 |
| 32 P 30935 | 36 | 12,800 | 4.78 |
| 32 P 30943 | 38 | 20,000 | 6.15 |
| 32 P 30950 | 40 | 31,700 | 9.39 |

shpg. wt., $11 / 2 \mathrm{lbs}$.

## BARE NICKEL

## CHROMIUM WIRE

 whose operating temperatiances and devices $1850^{\circ} \mathrm{F}$. Ideal for compact resistance re quired of heavy duty rheostats and controls. $\mathrm{i} / 4 \mathrm{lb}$. spools. Shpg. wt., 7 oz| Stk. No. | Size | Net | Sta. No. | Size | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32P 31404 | 14 | 3.44 | 32 P 31479 | 28 | 5.08 |
| 32 P 31412 | 16 | 3.53 | 32 P 31487 | 30 | 5.41 |
| 32 P 31420 | 18 | 3.64 | 32 P 31495 | 32 | 5.79 |
| 32 P 31438 | 20 | 3.74 | 32 P 31503 | 34 | 6.69 |
| 32 P 31446 | 22 | 3.95 | 32 P 31511 | 36 | 7.65 |
| 32 P 31453 | 24 | 4.30 | 32 P31529 | 38 | 9.7 |
| 32 P 31461 | 26 | 4.69 | 32 P 31537 | 40 | 12.4 |

## LOW LOSS POLYFOAM COAX

These polyfoam coaxial cables have basically similar constructional and physical speclfi. cations as the standard cables bearing the same RG number. Lower attenuation and capacitance result in signal strength increases up to $35 \%$. 75 ohm cables are for TV and FM use while 50 ohm cables are ideal for amateur radio and CB. Available only in lengths tisted.

RG-11/U 75 ohm coax feeder with non-peak ing attenuation characteristics. Ideal for distribution lead-in. Shpg. wt . $103 / 4 \mathrm{lbs}$. 32 P 31214100 ft . coil Net 16.25 RG-59/U 72 ohm coax cable for improved FM and TV reception. Minimizes noise, ghosts and color smears. Recommended for color iv. Shpg. wt. $31 / 4$ lbs.
$32 P 31248100 \mathrm{ft}$. coil
Net 6.50 RG 8/U. 50 ohm impedance cable with minimum signal loss and stray radiation for increased antenna system efficiency. Shpg. wt., $53 / 4 \mathrm{lbs}$. 32 P 30463100 ft. coll

Net 16.30 RG-58 U. 53.5 ohm impedance cable with low loss and increased operation range for use in CB and amateur radio. Shog. wt , $23 / 4 \mathrm{lbs}$ 32 P 31180100 ft . coll Net 6.00

## RUBBER JACKETED SERVICE CORDS

U.L. listed, rubber sheathed service cord. Each stranded copper con ductor has color coded rubber insulation, cotton wrapped with tough outer rubber jacket. Ideal for electronics equipment, household appliances, garden and power tools. SV for light appliances; SJ for medium appliances. Rated 300 volts maximum. Availabie only in lengths shown below. Average wt., per 100 ft ., $63 / 4 \mathrm{lb}$

| $\begin{aligned} & \text { U.L. } \\ & \text { rype } \end{aligned}$ | Size | No. Cond. | 0.0. | $\begin{array}{r} 25 \\ \text { Amps } \end{array}$ | t. Spool | Net | 50 Ft. Spool |  | 100 Ft . Spool |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SV | 18 | 2 | . 250 " | 5 | 32 P30992 | 1.76 | 32 P 31008 | 3.29 |  | 5.99 |
| S! | 16 | 2 | . 340 /r | 7 | 32 P 31024 | 2.81 | 32 P 31032 | 5.09 | 32 P 31040 | 8.99 |
| \$1 | 18 | 3 | .345" | 5 | 32 P 31057 | 2.99 | 32 P 31065 | 5.27 | 32 P 31073 | 10.00 |
| SJ | 16 | 3 | . $375^{\prime \prime}$ | 7 | 32 P 31081 | 4.04 | 32 P 31099 | 7.72 | 32 P 31107 | 13.99 |

## THERMOPLASTIC HOOK-UP WIRE

Convenient spools of plastic insulated wire. Shpg. wit., 25'-5 oz.; $100^{\prime}$ $3 / 4 \mathrm{lb}$.

| Stock No | Description | Net |
| :---: | :---: | :---: |
| 32 P 31891 | \#20 Solid-25 ft. Red | 49 |
| 32 P 31909 | \#20 Solid-25 ft. Black | 49 |
| 32 P 31917 | \#20 Solid-25 ft. Blue | 49 |
| 32 P 31925 | \#20 Solid-25 ft. Green | . 49 |
| 32 P 31933 | \#20 Solid-100 ft. Red | 1.25 |
| 32 P 31941 | \#20 Solid-100 ft. Black | 1.25 |
| 32 P 31958 | \#20 Solid-100 ft. Blue | 1.25 |
| 32 P 31966 | *20 Solid-100 it. Green | 1.25 |
| 32 P 89402 | \#20 Stranded-25 ft. Red | 58 |
| 32 P89410 | \#20 Stranded 25 ft. Black | . 58 |
| 32 P 89428 | \#20 Stranded-25 ft. Blue | . 58 |
| 32 P 89436 | \#20 Stranded-25 ft. Green | . 58 |

## BELL WIRE

No. 18 solld. 2 conductor twisted palr. Plas tic insulated. Shpg. wt., 13/4 Ib. per 100
32 P 36288100 ft . coil
Net 2.90
Net 13.75

Stock No
Description
Net 32 P 89444 \#20 Stranded- 100 ft . Red 1.35 32 P 89451 \# 20 Stranded-100 ft. Black 1.35 32 P 89469 \#20 Stranded-100 ft. Blue .. 1.35 32 P 89477 \#20 Stranded-100 ft. Green 1.35

32 P 89485 *22 Stranded- 25 ft . Red .49 32 P 89493 \# 22 Stranded 25 ft . Black . 49 32 P 89519 \#22 Stranded- 25 ft . Blue . . 49 32 P 89527 \#22 Stranded-25 ft. Green. . 49

## 32 P 89535 \#22 Stranded-100 ft. Red 1.25

32 P 89543 \#22 Stranded-100 ft. B!ack 1.25 32 P 89550 \#22 Stranded-100 ft. Blue 1.25 32 P 89568 \#22 Stranded- 100 ft . Green 1.25

## BELDEN COPPER BRAID

Flexible 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 |  |
| :---: | :---: | :---: | :---: | :---: |
| 5/31 | 32 P 14301 | . 96 | 32 P 14368 | 2.88 |
| \% ${ }_{6}$ | 32 P 14319 | 1.34 | 32 P 14376 | 3.96 |
| $\mathrm{K}_{6}$ | 32 P 14327 | 1.44 | 32 P 14384 | 4.89 |
| 1/2 | 32 P 14335 | 1.32 | 32 P 14392 | 4.56 |
| 5\% | 32 P 14343 | 2.31 | 32 P 14400 | 9.84 |
| 1/72* | 32 P 14350 | 9.15 | 32 P 14418 |  |

## HI-FI

SPEAKER CABLES
Set of $2-15 \mathrm{ft}$. speaker cables, each with spade lugs on all ends. Clear plastic covered polarized conductors. 24 gauge copper conductors. Shipg. wt., 502.
32 P 36486 Per Set
Same as above, but set of $230-\mathrm{ft}$. cables with 22 gauge conductors. 32 P 36528 Shpg. wt., 14 oz ........Net 1.69


## Various colors, gauges and insulation

 KIT OF SIX 25 -FOOT COILSConvenient kit of six $25^{\prime}$ coils
Shipg. wt. $3 / 4 \mathrm{lb}$
32 P79007 KIT of FIV Shpg. wi, $11 / 2 \mathrm{lbs}$.
32 P 79015
Net per kit 1.49

# Belden TV, Intercom and P. A. Wire 

 coaxial cable for 82 channel VHF/UHF color or black and white TV reception. No. 18 solid bare copper conductor with low loss polyethylene insulation. Shielding is polyester film with aluminum lamination on both surfaces. Has 4 No. 28 solld tinned copper-weld drain wires spirally wrapped. Overall PVC black all weather jacket Is only $.242^{\prime \prime} 00$. Only in lengths listed below. 100' Shpg. wt. 33/4 bs 32 P. 17403
$500^{\prime}$ Shpg. wt., $153 / 4 \mathrm{lbs}$.
Net 6.75
Net 22.40

## COILED MICROPHONE AND TELEPHONE CORDS

Have insulated cadmium bronze conductors except * has 5 strands tinned copperweld and 16 strands tinned copper. Microphone cables have black neoprene jacket except \# has gray vinyl; telephone cables, black vinyl jacket. Type 8499 and 8605 shieided; type 8497, 1 shielded and 2 unshielded conductors, all others unshielded. Telephone cables have spade terminals and strain relief. Shpg. wt., $1 / 2 \mathrm{lb}$.

| Stock No. | Belden No. | Gond. Type | $\underset{\text { Erom }}{\text { Ext }}$ | To | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 14236 | 8415* | 4 Mic | 111/2" | 6 | 1.64 |
| 32 P 15084 | 8497* | 3 Mic | $111 / 2^{\prime \prime}$ | $6{ }^{\prime}$ | 1.77 |
| 32 P 15092 | 8499 | 1 Mic | $71 / 2^{\prime \prime}$ | 4 | 1.20 |
| 32 P 17395 | 8605** | 1 Mic | $211 / 2^{\prime \prime}$ | 12 | 1.80 |
| 32 P 15118 | 8495 | 3 Tel | $10^{*}$ | 41/2' | 1.65 |

## BELDEN TEST PROD WIRE

Extremely flexible, limp rubber covered hi-voltage lead. No. 18 stranded, tinned, cotton wrap. 8899 for 5000 working volts. 8898 for 10,000 working volts. In red or black. Shpg. wt., 100 ft ., $4 \frac{1}{4} \mathrm{lbs}$.

| Beiden No. | $\begin{aligned} & 10 \mathrm{Ft} . \\ & \mathrm{Stk} . \mathrm{Me} . \end{aligned}$ | Net | $\begin{aligned} & 25 \mathrm{Ft} . \\ & \text { Sth. No. } \end{aligned}$ | Net | $\begin{aligned} & 100 \\ & \text { stk. No. } \end{aligned}$ | N |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8899 Red | 32 P17239 | . 87 | 32 P 17254 | 1.38 | 32 P 17270 | 4.4 |
| 8899 Blk | 32 P17247 | . 87 | 32 P 17262 | 1.38 | 32 P 17288 | 4.41 |
| 8898 Red | 32 P17296 | 1.23 | 32 P 17312 | 2.28 | 32 P17338 | 5.97 |
| 8898 Blk | 32 P 17304 | 1.23 | 32 P 17320 | 2.28 | 32 P17346 |  |

## VINYL COVERED MULTIPLE PAIRED CABLE

| Belden No. | No. of Conds. | $\begin{aligned} & \text { O.D. } \\ & \text { in. } \end{aligned}$ | $\begin{aligned} & \text { bs. } \\ & 100^{\prime} \end{aligned}$ | $\begin{array}{r} 100 \mathrm{ft} . \\ \text { Stock } \mathrm{No} . \end{array}$ | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 8740 | 2 | . 150 | 2 | 32 P 13741 | 2.82 |
| 8741 | 4 | . 201 | 3 | 32 P 15787 | 4.68 |
| 8742 | 6 | . 240 | $33 / 4$ | 32 P 15803 | 6.12 |
| 8743 | 12 | . 305 | 63/4 | 32 P 15829 | 10.05 |
| 8744 | 18 | . 354 | $83 / 4$ | 32 P 15845 | 14.85 |
| 8754 | 26 | . 409 | $111 / 4$ | 32 P 15860 | 21.00 |

## UNSHIELDED 2 CONDUCTOR TWISTED PAIR SPEAKER AND INTERCOM CABLE

BELDEN 8205. 2 conductor No. 20 stranded tinned copper, vinyl insulated, cabled with overall chrome vinyl jacket. 0.0 . $190^{\circ} \mathrm{Shpg}$. wt., 100, 2 lbs. Lengths available only in sizes listed below.
32 P 14202100 ft . spool
Net 3.83
32 P 17056500 ft . Spool
Net 14.10

## 2-CONDUCTOR-TWISTED PAIR-UNSHIELDED



All have tinned stranded copper conductors except * are solid copper. Types with t have chrome vinyl jacket overall, others without jacket. All conductors have vinyl insulation. Available only in lengths listed below.

| Beld. No. | Gau |  | Lbs. 100 Ft. Spool 0 Ft. Stock No. Net |  |  |  | 500 Ft. Spool ock No. Net |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8481 | 22* | . 112 | $11 / 4$ | 32 | P13717 | 2.25 | 32 P | P 15555 | 7.35 |
| 8482 | 19** | . 130 | 13/4 |  | P 13030 | 2.94 | 32 P | P 15563 | 10.95 |
| 8460 | 18 | . 175 | $21 / 2$ |  | P 13725 | 4.29 | 32 P | P 15571 | 16.90 |
| 8470 | 16 | . 195 | $21 / 2$ |  |  |  |  | P15589 | 21.55 |
| $8740+$ | 22* | . 150 | 2 |  | P 13741 | 2.82 |  | P15597 | 10.05 |
| $8461+$ | 18 | . 226 | $31 / 4$ | 32 P | P 13766 | 5.07 |  | P 15605 | 20.85 |
| $8471+$ | 16 | . 256 | 4 |  |  |  | 32 P | P15613 | 28.35 |

## BELDEN 9090 METRO COLOR AND 9085 MAXI COLOR TV LEAD-IN WIRE

## 9090

9090 METRO COLOR Shieided lead-in wire provides finest color, black/white, and FM reception in high interference metropolitan areas. Eliminates ghost signals, electrical and automotive ignition nolses and assures sharper, more pleasing color viewing. Shpg. wt., 31/2 lbs. per 100 ft .
32 P 1742950 ft . Net $4.95 \quad 32$ P 17445100 ft . Net 7.80 32 P 1743775 ft . Net $6.30 \quad 32$ P 17452500 ft . Net 34.90 9085 MAXI COLOR Dellvers superior color, black/white, and FM reception in low-interference suburban areas. Provides more signal to the receiver under adverse environmental conditions. Shpg. wt., $41 / 2$ lbs. per 100 ft .
32 p 1746050 ft . Net $2.18 \quad 32$ P 17486100 ft . Net 3.50 32 P 1747875 ft . .. Net $2.90 \quad 32$ P 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. Shielded to eliminate ignition and other interference caused by line pick-up Weatherproof. Shpg. wt., 6 lbs. per 100 ft . Avallable only in lengths listed below.
32 P 1535750 ft . Net 6.10 32 P15373 100 ft . .... Net 10.40 32 P 1536575 ft . .... Net $8.25 \quad 32$ P15977 500 ft . ... Net 49.10 BELDEN 300 OHM TWIN LEAD

## 300 OMM



Type 8225. Fig. A. for TV and FM antennas. Low loss polyethylene insulation. Stranded No. 20 ( $7 \times 28$ ). Shpg. wt., $100 \mathrm{ft}, 2$ lbs.
32 P 14061 ( 50 ft.$) \quad 1.34 \quad 32$ P $14079 \quad(75 \mathrm{ft})$
32 P14087 (100 ft.) $\quad 2.18 \quad 32$ P15985 (250 ft.)
1.76

Type 8235. Fig. 8. Low loss 300 ohm line for UHF or VHF TV antennas and for aniateur transmitting and receiving-Twin lead rated 1KW(RF). Resists oxidation and sun; made with $100 \%$ virgin polyethylene web. 18 gauge $(7 \times 26)$ stranded.
32 P 14103 ( 100 ft .) Shpg. $\mathbf{w t}$., $43 / 4 \mathrm{lbs}$.
5.94

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 Ibs. 32 P 14129 ( 50 ft ) .......... $1.43 \quad 32$ P14137 ( 75 ft ) ......... 1.89 32 P 14145 ( 100 ft ) $\quad . . . \quad 2.37 \quad 32$ P 15993 ( 250 ft ).......$\quad 5.85$
Type 8285. Fig. C. Encapsulated in low loss cellular polyethylene. Delivers a strong signal on all channels VHF or UHF. A must for color TV. 2 Conductor \#22 (7x30) stranded copper weld conduclors. Shpg. wt., 4 lbs. per 100 ft .
32 P 14160 ( $50 \mathrm{f1} . \quad 3.08 \quad 32$ P 14178 ( 75 ft. ) ....... 4.08

## CONSOLIDATED 3-WAY ANTENNA SYSTEM

- Makes Any Of 3

Marconi And Doublet Systems a Uniquely designed set of parts for construction of any of $\mathbf{3}$ types of short and long wave antennas. All parts supplied for either a doublet, double doublet, or Inverted L antenna system. Contains 100 ft bare aerlal wire, 50 ft , twisted insulated transmission line, 4 insulators, 2 screw eyes, doublet lightning arrestor, window leadin strip, ground clamp and complete instructions. Shpg. wt., $31 / 4 \mathrm{lbs}$. 32 P 31859


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. Shpg. wt., $11 / 4 \mathrm{lbs}$. 32 P 30984

# Belden Wire For Microphones-Intercom-P.A. Sound 



# SINGLE CONDUCTOR HIGH IMPEDANCE MIKE CABLE 

Shielded single conductor cables. No. 25 tinned stranded wire; $3 \times 33$ copper and $4 \times 33$ copper weld tinned, cellulose yarn braid, polyethylene insulated, tinned copper braid shield, chrome. vinyl facket. Type 8410 has rubber insulation and black rubber jacket. available only in lengths listed below.

| Beld. No. | Out Olam. | $\begin{aligned} & \text { Wt. } \\ & 100^{x} \end{aligned}$ | 15 Ft. Spool |  | 25 ft. Spool |  | 50 Ft. Spool |  | 100 Ft . Spool |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Stock No. | Net | Stock No. | Net | Stock No. | N | Stock No. |  |
| 8411 | .144" | 2 lb . | 32 P 13071 | 1.17 | 32 P 13089 | 1.65 | 32 P 13097 | 2.61 | 32 P 13105 | 4.95 |
| 8401 | .200" | 3 lb . | 32 P 13113 | 1.44 | 32 P 13121 | 1.92 | 32 P 13139 | 3.39 | 32 P 13147 | 6.30 |
| 8410 | .245" | $41 / 4 \mathrm{lb}$. |  |  | 32 P13162 | 3.60 | 32 P 13170 | ¢ 3.3 | 32 P13188 |  |



## 2-CONDUCTOR LOW-IMPEDANCE MINIATURE AND STD. MIKE CABLES

Alf cables shielded. Miniature types 8420 and 8413 both No. 24 stranded tinned, 8420 has polyethylene insulation and chrome vinyl jacket, 8413 rubber insulation and black rubber jacket. Stranded types: 8422 is 22 stranded tinned, poly insulation and chrome vinyl lacket 8412 No. 20 stranded tinned, rubber Insulation and black rubber jacket; 8402 same as 8412 but brown hypalon jacket; 8428 is heavy duty No. 18 stranded tinned, black Neoprene jacket for studio use. Available only in length listed below


| 25 Fr . Spool |  | 50 Ft. Spool |  | 100 Ft . Spool |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Net | Stock No. | Net | Stock No. | N |
| 32 P 13204 | 3.06 | 32 P 13212 | 4.65 | 32 P 13220 | 8.85 |
| 32 P 13246 | 3.69 | 32 P 13253 | 6.90 | 32 P 13261 | 12.75 |
| 32 P 13287 | 2.76 | 32 P 13295 | 5.10 | 32 P 13303 | 8.95 |
| 32 P 13329 | 3.87 | 32 P 13337 | 7.05 | 32 P 13345 | 13.35 |
|  |  |  |  | 32 P 15399 | 14.40 |
|  | - |  | - | 32 P 13386 | 17.25 |

## SHIELDED CABLES FOR PA AND INTERCOM

## 2 CONDUCTOR-TWISTED PAIR-SHIELDED CABLES

All have stranded tinned copper conductors except No. 8739 is solid. Each conductor has vinyl insulation except * has polyethetene. Shielding: types marked * have aluminumpolyester shield with stranded tinned ground wire; types marked $\#$ have tinned copper braided shield; types marked $\Delta$ have tinned copper spiral wrapped shield Al! have overall chrome vinyl jachet except \% have no outer jacket over shield.

| Betd. <br> No. | Gauge | 0.0." | Lbs. 100 ft . | $\begin{aligned} & 100 \mathrm{Ft} . \mathrm{S} \\ & \text { stock No. } \end{aligned}$ | Spoal Net | $\begin{aligned} & 250 \mathrm{ft} \\ & \text { stock No. } \end{aligned}$ | Spool Net | $\begin{aligned} & 500 \mathrm{Ft} . \mathrm{St} \\ & \text { Stock No. } \end{aligned}$ | 01 <br> Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $8739 \triangle$ | 22 | . 160 | 21/2 | 32 P 13519 | 4.56 |  |  | 32 P15407 | 19.35 |
| $8737 \triangle$ | 22 | . 170 | $23 / 4$ | 32 P 13527 | 4.80 | 32 P15415 | 10.65 | 32 P 15423 | 21.25 |
| $8759 \triangle$ | 20 | . 195 | 3 | 32 P13535 | 6.00 |  | 10.65 | 32 P 15431 | 21.25 25.00 |
| $8790 \triangle$ | 18 | . 231 | 43/4 | 32 P 13543 | 7.65 | 32 P15449 | 16.50 | 32 P 15456 | 21.00 33.00 |
| $8780 \triangle$ | 16 | . 266 | 53/4 | 32 P 13550 | 9.60 | 32 P15449 | 16.50 | 32 P 15464 | 42.75 |
| 8761** | 22 | . 167 | 2 |  |  |  | - | 32 P 15472 | 17.55 |
| $8762 *$ | 20 | . 196 | 3 | 32 P 13576 | 5.33 | 32 P 15480 | 11.05 | 32 P 15498 | 22.10 |
| 8760** | 18 | . 222 | 3 |  |  | 32 P 15506 | 13.30 |  |  |
| 8758 \# | 20 | . 165 | 13/4 | 32 P 13600 | 5.85 |  |  |  |  |
| 8779 \# | 16 | 225 | 4 |  | - |  | - | 32 P15548 | 44.65 |

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
 vinyl jacket overall. Avaitable only in sizes listed below.

| Belden No. C | Conds. | $0.0$ | Lbs. 100 ft. | $\begin{aligned} & 15 \mathrm{ft}, \mathrm{Sp} \\ & \text { Stk. No. } \end{aligned}$ | pool Net | $\begin{array}{r} 25 \mathrm{ft} . \\ \text { Stk. No. } \end{array}$ | pool Net |  | $\begin{aligned} & 100 \mathrm{ft} . \mathrm{S} \\ & \text { Sth. Mo. } \end{aligned}$ | $\begin{aligned} & \text { Spool } \\ & \text { Net } \end{aligned}$ | $\begin{aligned} & 250 \mathrm{Ft} . \mathrm{S} \\ & \mathrm{stk} . \text { No. } \end{aligned}$ | 001 Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8443 | 3 | . 150 | $21 / 4$ |  |  | 32 P 14244 | 1.40 |  | P 14525 | 3.66 | 32 P 15902 | 7.31 |
| 8444 | 4 | . 168 | $21 / 2$ |  | - | 32 P14251 | 1.59 |  | P14533 | 4.83 | 32 P 15910 | 9.98 |
| 8445 | 5 | . 180 | 3 |  |  | 32 P14269 | 1.83 |  | P14541 | 5.58 | 32 P 15928 | 11.90 |
| 8446* | 6 | . 222 | 41/4 | 32 P 14277 | 1.83 |  | - |  | P 14558 | 8.30 | 32 P15936 | 18.30 |
| 8447*** | 7 | . 246 | 5 |  |  |  | - |  | P14566 | 9.60 | 32 P15944 | 21.20 |
| 8448** | 8 | . 250 | $53 / 4$ | 32 P 14285 | 2.07 |  | - |  | P14574 | 10.26 | 32 P 15951 | 23.25 |
| 8449** | 9 | . 261 | $61 / 4$ | 32 P 14293 | 2.25 |  |  |  | P14582 | 10.95 | 32 P15969 | 25.10 |
| 8456 | 10 | . 260 | $53 / 4$ |  | - |  |  |  | P14988 | 10.80 |  | 25.10 |
| 8457 | 12 | . 260 | $53 / 4$ |  | - |  | - |  | P 14970 | 12.15 |  |  |
| 8458 | 15 | . 320 | 83/4 |  | - |  | - |  | P14947 | 20.55 |  | - |
| 8459 | 25 | . 3701 | $113 / 4$ |  | - |  | - 3 |  | P14954 | 31.50 |  | - |

## SHIELDED SOUND-PA-INTERCOM CABLE

| BELDEN 8208. 2 conductor No. 18 tinned stranded |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| chrome vinyi jachet overall 0.D. $255^{\prime \prime}$. Shpg. wt., $100^{\circ}, 4 \mathrm{lbs}$ BELDEN 8735. 3 conductor No. 22 tinned stranded copper vinyl insulated, cabled, tinned copper braid shield chrome vinyl |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { Belden } \\ & \mathrm{No} \text {. } \end{aligned}$ | 15 Ft Spool |  | 50 Ft. Spool Stock No. Net |  | 100 Ft. Spooi Stock No. Ne |  | 500 Ft. Spooi Stock No. Net |  |
|  |  |  |  |  |  |  |  |  |
| 8208 |  |  |  |  | 32 P13808 | 9.90 | 32 P 15621 |  |
| 8735 | 32 P 13865 | 1.47 | 32 P13873 | 3.90 | 32 P 13881 | 6.75 | 32 P 15639 | 28.90 |

## 3-CONDUCTOR CABLES FOR PA AND INTERCOM



Alt have 3 conductors. Type 8771 has cabled No. 22 stranded tinned copper conductors with polyethelene insulation, alumi-num-polyester shleld, stranded tinned copper No. 22 ground drain wire and overall chrome viny! jacket. O.D. is .175". Type . 8791 is same but with 18 Rauge conductors, vinyl insulation, tinned copper wrapped shield and no ground wire. O.D. is $.236^{\prime \prime}$

Stock No. No. Gauge feet Los. Net | 32 P | 15647 | 8771 | 22 | 250 |
| :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllll}32 & \text { P } 15688 & 8791 & 18 & 100 & 6 & 9.36\end{array}$ $\begin{array}{llllll}32 & \text { P } 15696 & 8791 & 18 & 500 & 241 / 4\end{array} 41.80$

## UNSHIELDED CABLES

All are 3 -conductor solid * 19 copper, viny insulated and cabled. 8487 has chrome vinyl outer jacket. 8483 has no jacket. Shpg. wt. $24 / 2$ lbs. per 100 ft

| stock No. | Beld. | 0.0. | Feet | Net |
| :---: | :---: | :---: | :---: | :---: |
| 32 P 15704 | 8487 | . 180 | 500 | 19.50 |
| 32 P15712 | 8483 | . 132 | 100 | 3.90 |

BELOEN 8734. 3 conductor No. 22 stranded tinned copper with vinyl insulation, 1 con ductor with tinned copper braid shield, 2 un shieided, cabled with overall chrome viny jachet. 0.D. 194", Shpg, wt., per $100^{\circ}, 3$ lbs. 32 P13972 100 ft . spool Net 6.15

BELOEN 8732. 4 conductors No. 22 stranded tinned copper with polyethylene insulation. 2 conductors with tinned copper braid shield 2 unshielded. Chrome vinyl jacket overall Oval shape 0.0. $188^{\prime \prime} \times, 296^{\prime \prime}$. Shpg. wt. 100 . $31 / 2 \mathrm{lbs}$.
32 P 13998100 ft. spool Net 7.73
32 P 15753500 ff. spool
Net 32.65

## SHIELDED PHONO PICKUP CABLE

BELDEN TYPE 8431. Extremely limp and flexible. No. 24 stranded ( $16 \times 36$ ) tinned copper, rubber covered, tinned copper braid shield' brown cotton braid jacket. Only in lengtis listed below. Shpg. wt., 100 ft ., $7 / 4 \mathrm{lb}$.
32 P14020 15 ft. coil Net each 1.26 32 P14038 25 ft. coil Net each 1.65 32 P14046 100 ft . coil Net each 5.25

## high voltage lead

## 

BELDEN 8866 high voltage lead with No. 18 stranded tinned copper polyethylene insulation. Reduces corona. Long, life construction. Vinyl jacket. O.D. .208.' Working voltage. 40 KV . Only in lengths listed below. Shpe. wt., $23 / 4 \mathrm{los}$. 100 ft .
32 P 1706425 ft . spool
32 P17072 100 ft . spool
Net 2.31

## TINNED BUS BAR WIRE

Solid tinned copper bus-bar wire. Especially for use where high current conductor is needed as in power plants, ground wire, switchboards and point to point wiring.

| Beldon No. | AWG | 0.0. | $\begin{aligned} & 100 \\ & \text { Stock No. } \end{aligned}$ | $\begin{aligned} & \text { ft. Sp } \\ & \text { oz. } \end{aligned}$ | 001 Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 8022 | 24 | . 020 | 32 P 15183 | 4 | 98 |
| 8021 | 22 | . 025 | 32 P 15209 | 6 | 1.01 |
| 8020 | 20 | . 032 | 32 P 15225 | 8 | 1.19 |
| 8019 | 18 | . 040 | 32 P 15241 | 10 | 1.59 |
| 8013 | 16 | . 050 | 32 P 15265 | 15 | 2.24 |
| 8012 | 14 | . 064 | 32 P 15282 | 26 | 3.36 |
| 8011 | 12 | . 080 | 32 P15308 | 40 | 5.04 |

## Littelfuse Fuses and Fuse Holders

## TYPE 3AG STANDARD FUSES

Series 312000 . Quick acting for low time-lag applications such as amplifiers-auto radios. U.L. Iisted. $11 / 4 \mathrm{Lx} 14^{\prime \prime}$ diam. All rated 250 volt except 8 amp is 125 V . 5 fuses per package. Shpg. wt., 3 oz.

| Stock No. | Amps | Pko | 20 Pkgs. Per Pkg. |  | Amps | Per 20 Pangs. Pkg. Per Pkg. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 P 10085 | $1 / 4$ | . 63 | . 53 | 13 P 10143 | 1 | . 45 | . 38 |
| 13 P 10101 | 3/8 | . 63 | . 53 | 13 P 10150 | 2 | . 45 | . 38 |
| 13 P 10119 | 1/2 | . 63 | . 53 | 13 P 10168 | 3 | . 45 | . 38 |
| 13 P 10127 | $3 / 4$ | . 63 | . 53 | 13 P 10176 | 4 | . 54 | . 45 |
| 13 P 10135 | 1 | . 45 | 38 | 13 P 10184 | 5 | . 54 | . 45 |
| 13 P 12503 | $11 / 4$ | . 45 | . 38 | 13 P 10192 | 6 | . 54 | 45 |

## 3AG STANDARD PIGTAIL FUSES

Series 318000 . Same as series 312000 above but with pigtails. 5 fuses per pkg. Shpg, wt., 302.

| Stack No. | Amps | Per Pkg. | $20 \text { Pkgs }$ Per Pkg. | Stock No. | Amps | Per Pkg. | 20 Pkgs Per Pkg |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 P 11521 | 3/4 | . 99 | . 83 | 13 P 11554 | 2 | . 81 | . 68 |
| 13 P 11539 | 1 | . 81 | . 68 | 13 P 11562 | 3 | . 81 | . 68 |
| 13 P 11547 | 21/2 | . 81 | . 68 | 13 P 11588 | 5 | . 84 | . 70 |

## TYPE 3AG SLOW BLOW FUSES

Series 313000 . High timelag to withstand heavy surges, blows quickly on shorts. Units through 5 amps are rated 125 volts and are UL listed, above 7 amp rated 32 volt. 5 fuses per pkg. $11 / 4 \mathrm{LX}$ $1 / 4^{\text {¹ }}$ dlam, Shps. wt., 5 oz .
Stack Ho. Amps Per 20 Pkgs. Stock No. Amps Pkg, PerPkg.


## TYPE 8AG INSTRUMENT FUSES

Series 361000 . Designed for high speed action to protect delicate electrical equipment. All rated at 250 volts, except 3 and 5 amp rated 125 volt 5 fuses per pkg. $1 \mathrm{Lx} 2 / 4^{\prime \prime}$ diam. Shpg. wt., 302.
Stock No. Amps Per 20 Pkgs.
Stock No. Amps Pkg. Per Pkg. Stock No. Amps Pkg. Per Pkg.

| 13 P 11356 | 1/100 | 2.49 | 2.08 | 13 P 11430 | 1 | . 45 | . 38 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 P 11364 | 1/32 | 2.19 | 1.83 | 13 P 11448 | $11 / 2$ | . 45 | . 38 |
| 13 P 11398 | 1/4 | . 63 | . 53 | 13 P 11455 | 2 | . 45 | . 38 |
| 13 P 11414 | 1/2 | . 63 | . 53 | 13 P 11463 | 3 | . 45 | . 38 |
| 13 P 11422 | 3/4 | . 63 | . 53 | 13 P 11471 | 5 | . 45 | . 38 |

## TYPE 3AB FUSES

Series $\mathbf{3 1 4 0 0 0}$. Steatite enclosed, ARC-Quenching Powder filled fuses, Will not shatter against quick shorts. Medium tlme-lag, types through 15 Amp. UL listed. All 250 Volt. $11 / 4 L x^{1 / 4 "}$ diam. 5 fuses per pkg. Shpg. wt., 302.

| Stock Ho. | Amps | $\begin{aligned} & \text { Per } \\ & \text { Pkg. } \end{aligned}$ | 20 Pkg 5 <br> Per Pkg | Stock No. | Amps | $\begin{aligned} & \text { Per } \\ & \text { Pkg. } \end{aligned}$ | 20 Pkgs. PerPkg |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 P 11612 | 2 | . 87 | . 73 | 13 P 11653 | 10 | . 78 | 65 |
| 13 P 11638 | 5 | . 78 | . 65 | 13 P 11679 | 15 | . 87 | . 73 |
| 13 P 11646 | 8 | . 78 | . 65 | 13 P 11687 | 20 | . 87 | . 73 |

## LITTELFUSE AUTO FUSES

307000 Sertes Medium acting fuses designed for auto use. Length according to current to guard against over fusing. All $1 / 4^{\prime \prime \prime}$ diam. 5 fuses per plig. Shpg. wt., 307.

| Stock No. | Amps | Per Pkg. | 20 Pkg. Per Pks. |
| :---: | :---: | :---: | :---: |
| 13 P 12263 | 4 | .33 | .28 |
| 13 P 12289 | 7.5 | .33 | .28 |
| 13 P 12297 | 9 | .33 | .28 |
| 13 P 12305 | 14 | .33 | .28 |
| 13 P 12313 | 20 | .33 | 28 |

## AUTO FUSE ASSORTMENT



Universal auto fuse assortment easily stored in glove compartment for emergency use. Fuses for radio, heater, lights, cigar lighter, air conditioner, windshield wipers, etc. packed in plastle case, 10 fuses. Assorted value. Shpg. wt., 3 oz.
13 P 11745
Universal auto fuse retainer. Holds fuses with spring loaded action. Just attach wires into circuit and load with a fuse. 13 P 11752 Shpg. wt., 3 ozs.
vet -46

## LITTELFUSE EUROPEAN EQUIPMENT FUSES

Used in European instruments, tape recorders, radios, Hi-Fi equipment and Hickok test equipment, $5 \times 20 \mathrm{~mm}$. Rated at 250 V . 5 fuses per pkg. Shpg. wt. 3 oz .
 nto other side. Shpg, wt., $40 z$. 13 P 12388


$$
10 \text { for } 1.75
$$

## LITTELFUSE MOUNTINGS AND EXTRACTOR POSTS

Mounts and fuse holders for every application. *Includes fuse. Fig. N is $3 A \mathrm{G}$ indicating fuse post. Avg. Shpg. wt., 3 oz.


| Stoch No. | Fig. | For Fuses | Description | Net Ea. |
| :---: | :---: | :---: | :---: | :---: |
| 13 P 11760 | A | 3AG, 3AB | Panel mount. screw slot | . 64 |
| 13 P 11778 | B | 3AG, 3AB | Panel mount, finger knob | . 64 |
| 13 P 11786 | A | 8AG | Panel mount, screw slot | . 68 |
| 13 P11810 | C | 8 AG | Single fuse, lug terminal | . 22 |
| 13 P 11828 | C | 3AG, 3AB | Single fuse screw terminal | . 42 |
| 13 P 11844 | D | 8AG | Double fuse, lug terminal | . 40 |
| 13 P 11851 | E | 8AG | Meter-back mtg. | . 43 |
| 13 P 11869 | F | 8AG | Below panel mtg. | . 64 |
| 13 P 11877 | F | 3AG, 3AB | Below panel mtg. | . 64 |
| 13 P 11885 | G* | SFE(9A) | Auto inllne fuse retainer | . 46 |
| 13 P 11893 | $\mathrm{G}^{\text {* }}$ | SFE(14A) | Auto inline fuse retainer | . 46 |
| 13 P 11901 | G* | SFE(20A) | Auto Inline fuse retainer | :46 |
| 13 P 11984 | N | 3AG 90.125Y | \#344125 indicating fuse pos | st 2.02 |

## MINIATURE 3AG FUSE EXTRACTDR POSTS

Shortest 3AG fuse posts. Test Post hole in knobs. UL IIsted.
Body and knob meet MIL-P-14F type CFG. Rated at 15 amps, 250 volts. Fig. $K$ has straight bottom terminals, behind panel length $1^{11 / 22^{\prime \prime}}$. Fig. L, M has right angle bottom terminal behind panel length $11 \mathrm{ha}^{\prime \prime}$. Fig. L' has knurted knobs. Fig $\mathrm{K}, \mathrm{M}$ has fluted knobs. Shpg. wt., 3 07.
$\left.\begin{array}{lccccc}\begin{array}{c}\text { Stock } \\ \text { No. }\end{array} & \begin{array}{c}\text { Mig. } \\ \text { No. }\end{array} & \text { Flg. } & 1.99 & \text { NET EACH } \\ \text { 100-499 }\end{array}\right)$ 500 UP

## BUSS FUSE MOUNTINGS



HJM HKP HCM
4405
4408


Convenient methods for mounting fuses on equipment, radio, TV, instruments, etc. Fuses easily replaced. Shpg. wt., 3 oz.

| Stoch No. | Buss | For | Net Ea. | Stock No. | Buss | For | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 P 62029 | HKP | 3AG | . 47 | 13 P 62045 | 4405 | 3AG | 5 |
| 13 P 62037 | HJM | 8AG | .47 | 13 P62052 | 4408 | 3AG | 41 |

## $\substack{\text { As } \\ \text { Las } \\ \text { As }} 5^{\text {c }}$ WITHAL FLEAR PLASTIC COVER <br> LOTS OF 10

Dual fuse holder for popular 3AG, 3AB, and 8AG fuses with durable, clear plastic, protective cover. Rated 250 volts 3 amps. Has right angle bottom solder terminals. Imported.
99 P 63372 Shpg. wt., 2 oz. Net Each . 18
Panel mount. screw slot Net Ea.


## Mallory Controls

MALLORY PRINTED CIRCUIT MINITROLS


Carbon transistor controls, all linear taper,
rated $1 / 4$ watt. Diameter $1 / 2^{\prime \prime}$. No shaft. all
open screwdriver slot adjustment. $1 / 4^{\prime \prime}-32$
bushing. Choice of horizontal or vertical mount. Shpg. wt., 302.
Type MTC-1
Type MTC-4

| Res. Ohm | Stock No. Vert. Mt. | Stock No. Horiz. Mt. |  | Res. Ohm | Stack No. Vert. Mt. | Stock No. <br> Horiz. Mt. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100 | 33 P 16379 | 33 P 16650 |  | 15K | 33 P 16510 | 33- 16791 |
| 200 | 33 P 16387 | 33 P 16668 |  | 20 K | 33 P16528 | 33P 16809 |
| 250 | 33 P 16395 | 33 P 16676 |  | 25 K | 33 P 16536 | 33P 16817 |
| 300 | 33 P 16403 | 33 P 16684 |  | 50 K | 33 P 16544 | 33 P 16825 |
| 500 | 33 P16411 | 33 P 16692 |  | 100K | 33 P 16551 | 33 P16833 |
| 750 | 33 P16429 | 33 P 16700 |  | 120K | 33 P 16569 | 33 P 16841 |
| 1000 | 33 P 16437 | 33 P 16718 |  | 180K | 33 P 16577 | 33 P 16858 |
| 1500 | 33 P 16445 | 33 P 16726 |  | 250k | 33 P 16585 | 33 P 16866 |
| 2000 | 33 P 16452 | 33 P 16734 |  | 325K | 33 P 16593 | 33.P 16874 |
| 3000 | 33 P 16460 | 33 P 16742 |  | 450 K | 33 P 16601 | 33 P 16882 |
| 5000 | 33 P 16478 | 33 P 16759 |  | 500 K | 33 P 16619 | 33 P 16890 |
| 6000 | 33 P 16486 | 33 P 16767 | 1 | MEG | 33 P 16627 | 33 P 16908 |
| 6800 | 33 P 16494 | 33 P 16775 | 2 | MEG | 33 P 16635 | 33 P 16916 |
| 10000 | 33 P 16502 | 33 P 16783 | 3.5 | MEG | 33 P 16643 . | 33 P 16924 |

## WIRE WOUND SENSITIVITY CONTROLS



For AGC, hum-balancing, linearity, etc. $3 / 4^{\prime \prime}$ diam. For conversion from cross-slot adjustment to shaft, use shafts listed below. Shpg. wt., 302.

MR-F 3-WATT FLANGE MOUNT
Mounting ears with $.130^{\prime \prime}$ dia. holes on $1^{\prime \prime}$ center. Cross-slot adjustment. front and rear.

| Stock No. | Mfr. Ne. | Ohmes | Stect No. | Mir. No, | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 16007 | MR6F | 6 | 33 P 16098 | MR600F | 600 |
| 33 P 16015 | MA15F | 15 | 33 P16106 | MR750F | 750 |
| 33 P 16023 | MR40F | 40 | 33 P16114 | MR1000F | 1000 |
| 33 P 16031 | MR75F | 75 | 33 P 16122 | MR1500F | 1500 |
| 33 P 16049 | MR100F | 100 | 33 P 16130 | MR2000F | 2000 |
| 33 P 16056 | MR150F | 150 | 33 P 16148 | MR2500F | 2500 |
| 33 P 16064 | MR200F | 200 | 33 P16155 |  |  |
| 33 P 16072 | MR250F | 250 | 33 P16163 | MR4000F | 4000 |
| 33 P 16080 | MR 500 F | 500 | 33 P 16171 | MR5000F | 5000 |

MR-P 3.WATT PC MOUNT
Printed circuit boaró mounting with cross-slot adiustment. front and rear.

| Stock Mo. | Mir. No. | Ohms | Stock No. | Mfr. No. | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 16189 | MR1.5P | 1.5 | 33 P 16247 | MR1000P | 1000 |
| 33 P 16197 | MR15P | 15 | 33 P 16254 | Mr1500P | 1500 |
| 33 P 16205 | MR100P | 100 | 33 P 16262 | WR3000P | 3000 |
| 33 P 16213 | MR175SP | * 175 | 33 P 16270 | MR4000P | 4000 |
| 33 P 16221 | Mr260SP | +260 | 33 P 16288 | WR5000P | 5000 |
| 33 P 16239 | MR600P | 600 | 33 P 16208 |  |  |

*Stop at 60 ohms. tStop at 100 ohms.
Any of above
Net ea. . 66

## MRC-P $11 / 2$.WATT PC MOUNT

Convergence controls with printed circuit board mounting and permanent knob.

| Stock No. | Mfr. Ne. | Ohms |  | Steck No. |  |  | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 16296 | $\begin{aligned} & \text { MAC10P } \\ & \text { MRC } 30 \mathrm{P} \\ & \text { MRCEOP } \end{aligned}$ | $\begin{aligned} & 10 \\ & 30 \\ & 60 \\ & \hline \end{aligned}$ |  | 33 P 16320 <br> 33 16338  <br> 33 P 16346 | $\begin{aligned} & \text { MRC100P } \\ & \text { MRC120P } \\ & \text { MRC150P } \end{aligned}$ |  | 100 |
| 33 P 16304 |  |  |  |  |  | 120 |
| 33 P 16312 |  |  |  |  |  | 150 |
| Any of above |  |  |  |  |  |  |  |
| th twist tabs for mounting on PC board |  |  |  |  |  |  |  |
| , | der |  |  |  | C board | hassis. Sit | tot ad | , |
| Stock No. | Mfg. No. | Ohms | Ea. |  | Stock Mo. | Mfg. No. | Ohms | s |
| 33 P 14861 | MR10-T | 10 | 66 | 33 P 14945 | MR2500.T | 2500 | . 70 |
| 33 P 14887 | MR50-T | 50 | . 66 | 33 P 14952 | MR3000-T | 3000 | . 70 |
| 33 P 14895 | MR100.T | 100 | . 66 | 33 P 14960 | MR4000-T | 4000 | . 70 |
| 33 P 14903 | MR250.T | 250 | . 66 | 33 P 14978 | MR5000-T | 5000 | . 76 |
| 33 P 14911 | MRS00-T | 500 | . 66 | 33 P 14386 | MR8000-T | 8000 | . 76 |
| 33 P 14929 | MR850-T | 850 | . 66 | 33 P 14994 | MR10K-T | 10K | . 83 |
| 33 P 14937 | MR1000-T | 1000 | . 66 | 33 P 14879 | MR15K-T | 15 K | - 1.93 |

Mallory No. MRS $1250-1 / 4^{\prime \prime}$ dia. $x^{\prime} 11 / 4^{\prime \prime}$ FMS knurled and s̄lotted nylon. Plugs Into either end of MR control.

# Mallory Controls 

## EXPLANATION OF MALLORY TAPERS

Taper No. 1- for audio or antenna shunt circuits
Taper No. 2-For Series circuits or cathode voltage controls Taper No. 4-Linear taper for voltage divider circuits

MALLORY MIDGETROL


Carbon element Midgetrols are rated 1 watt linear or $1 / 2$ watt audio. Size $15 / 16^{" \prime}$ dia. with $23 / 8^{\prime \prime}$ long $\times 1 / 4^{\prime \prime}$ dia. round shafts. Shaft can be easily cut to any required length. Supplied with two shafts and knob adapters for knurled and push-on knobs, and one Palnut. Shpg. wt., 4 oz.

| stock No. | Mfg. No. | Ohms | Tpr. | $\begin{aligned} & \text { Stock } \\ & \text { No. } \end{aligned}$ | Mfg. No. | Ohms | Tpr. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 11107 | U-1 | 100 | 4 | 33 P 11370 | U.36 | 75K | 1 |
| 33 P 11115 | U. 2 | 500 | 4 | 33 P 11388 | U-39 | 100K | 1 |
| 33 P 11511 | U-52R | 500 | 2 | 33 P 11396 | U. 40 | 100K | 2 |
| 33 P 11123 | U-751R | 750 | 2 | 33 P 11404 | U-41 | 100K | 4 |
| 33 P 11131 | U-3 | 1K | 2 | 33 P 11412 | U-415 | 125K | 4 |
| 33 P 11149 | U-4 | 1 K | 4 |  |  |  |  |
| 33 P 11156 | U-5 | 1500 | 2 | 33 P 11420 | U-42 | 150K | 1 |
| 33 P 11164 | U-5L | 1500 | 4 | 33 P 11438 | U-43 | 200k | 4 |
| 33 P 11172 | U-6 | 2K | 4 | 33 P 11446 | U-44 | 250K | 1 |
| 33 P 11180 | U-7 | 2500 | 2 | 33 P 11453 | U-45 | 250K | 2 |
| 33 F11198 | U. 8 | 3 K | 4 | 33 P 11461 | U-46 | 250k | 4 |
| 33 P 11206 | U.9 | 3 K | 2 | 33 P 11479 | U-48 | 500k | 1 |
| 33 P 11214 | U-12 | 5K | 1 | 33 P 11487 | U-50 | 500k | 4 |
| 33 P 11222 | U-14 | 5K | 4 | 33 P 11495 | U-51 | 750K | 1 |
| 33 P 11230 | U-18 | 10K | 1 | 33 P 11503 | U-52 | 1 Meg | 2 |
| 33 P 11248 | U-19 | 10K | 2 |  |  |  |  |
| 33 P 11255 | U-20 | 10K | 4 | 33 P 11529 | U. 53 | 1 Meg . | 1 |
| 33 P 11263 | U-21 | 15K | 1 | 33 P 11537. | U-54 | 1 Meg. | 4 |
| 33 P 11271 | U-22 | 15K | 2 | 33 P 11545 | U-155 | 1.5 Meg | 4 |
| 33 P 11289 | U-24 | 20 K | 1 | 33 P 11552 | U-55 | 2 Meg. | 1 |
| 33 P 11297 | U-26 | 20K | 4 | 33 P 11560 | U-56 | 2 Meg . | 4 |
| 33 P 11305 | U-28 | 25K | 2 | 33 P 11578 | U-255 | 2.5 Meg | 4 |
| 33 P 11313 | U-28A | 25K | 1 | 33 P 11586 | U-57 | 3 Meg . | 1 |
| 33 P 11321 | U. 29 | 25k | 4 | 33 P 11594 | U. 59 | 3 Meg . | 4 |
| -33 P 11339 | U-30 | 30K | 4 | 33 P 11602 | U-63 | 5 Meg . | 2 |
| 33 P 11347 | U-33 | 50K | 1 | 33 P 11610 | U. 65 | 5 Meg . | 1 |
| 33 P 11354 | U. 34 | 50K | 2 | 33 P 11628 | U. 67 | 5 Meg . | 4 |
| 33 P 11362 | U. 35 | 50K | 4 | 33 P 11636 | U-82 | 10 Meg . | 4 |

Any of above
SINGLE TAPPED MIDGETROLS
Shpg. wt., 4 oz .

| Stock |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No. | Mfg. <br> No. | Ohms | Tap <br> At | Stock <br> Ne. | Mfg. <br> No. | Ohms | Tap <br> At |
| 33 P 11693 | UT-429 | 500 K | 50 K | 33 P 11701 | UT-427 | 500 K | 100 K |

## DOUBLE TAPPED MIDGETROLS

Shpg. wt., 4 oz.

| Stock | Mfg. | Dverall | Tap Resistances |  |
| :---: | :---: | :---: | :---: | :---: |
| No. | No. | Resistances | Tap | Tap 2 |
| $33 \mathrm{P}: 1834$ | UDT-283 | 500 K | 100 K | 200 K |
| $33 \mathrm{P}: 1842$ | UDT-289 | 1 Meg | 250 K | 500 K |

Any of above

## MINIATURE VOLUME CONTROLS



Audio Taper controls with D.P.S.T. switches. Mount in $\mathrm{K}_{6}$ " holes in panels up to $1 / 4^{\prime \prime}$ thick. $1 / 4$ " flatted shaft is $3 / 4$ " long. Dimensions: "1/4" $W \times 1^{\prime \prime} H \times 1^{\prime \prime} \mathrm{D}$. Mounting nut and washer supplied. Imported. Shpg. wt., 3 oz.

32 P 22510 5K ohm $32 \mathrm{P} 22544 \quad 1 / 2 \mathrm{Meg}$.

32 P 22528 10K ohm 32 P 22551 1 Meg.

32 P 22536 100K ohm

Any of above
Net ea. . 74

SU INSULATED SHAFT MIDGETROLS FOR TV


15/4" dia. carbon controls with $1 / 4^{\prime \prime}$ dia fixed knurled and slotted phenolic shafts. Shaft protrudes $1 / 4^{m}$ beyond bushing. Linear taper. With hex nut. Shpg. wt. 3 oz.

| Stock No. | Mfg. No. | Ohms | Stock No. | Mfg. No. | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 12089 | SU-6 | 1500 | 33 P 12162 | SU-50 | 500 K |
| 33 P 12097 | SU-8 | 3 K | 33 P 12170 | SU-54 | 1 Meg . |
| 33 P 12105 | SU-14 | 5K | 33 P 12188 | SU. 56 | 2 Meg . |
| 33 P 12113 | \$U-20 | 10K | 33 P 12196 | SU-565 | 2.5 Meg. |
| 33 P 12121 | SU-29 | 25K | 33 P 12204 | SU-59 | 3 Meg . |
| 33 P 12139 | SU-35 | 50 K | 33 P 121212 | SU-67 | 5 Meg . |
| 33 P 12147 | SU-41 | 100K | 33-12220 | SU-69 | 7.5 Meg. |
| 33 P 12154 | SU-46 | 250K |  |  |  |

Any of the above
Singly ea. . 93

## ATTACHABLE MIDGETROL SWITCHES

Midgetrol types U, UT and UDT--with dummy terminal $\tau$ with built-in switch/circuit breaker, breaks at 2.5 amps, resets by turning to "off" position. ST types rated $6 \mathrm{amps} / 125 \mathrm{~V}$. DT types rated 3 amps/125V. Shpg. wt., 3 oz.

| Stoch No. | Mfg. No. | Description | 1.24 | 25-49 |
| :---: | :---: | :---: | :---: | :---: |
| 33 P 11891 | US-26 | S.P.S.T. | . 42 | . 38 |
| 33 P 14804 | USB-29 | S.P.S.T. $\dagger$ | . 98 |  |
| 33 P 11909 | US-26T | S.P.S.T. | . 51 | . 46 |
| 33 P 11917 | US-27 | D.P.S.T. | . 51 | . 46 |
| 33 P 11925 | US-28 | S.P.D.T. | . 51 | .46 |
|  |  |  |  |  |

DS-36 Extension Shaft $2^{1} K_{0} "$ Iong $\times 1 / 4$ " dla. For fubuiar shaft Midget Controls and 2-watt wire-wound controls. Shpg. wt., 3 oz . 33 P 11933 (DS-36)
............................................................................ 55 DS 37 Kot" diameter shaft. For use with round-shaft Midgetrols to accommodate knobs requiring $K_{s} "$ shaft. Shpg. wt., 3 oz . 33 P 11941(DS-37)
...Net .55

## PUSH-PULL CONTROLS

Carbon element controls with a Push-Pull type SPST switch permanently attached. Switch rated 6 amps $/ 125 \mathrm{~V}$. UL listed. Rated 1 watt linear or $1 / 2$ watt audio. Size $13 / 6_{6}$ " dia. with $2^{\prime \prime}$ long $\times 1 / 4$ " dia. shaft. No assortment for quantity prices. Wt., 3 oz.

| Stock No. |  | Ohms | Taper | Net Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mig. No. |  |  | 1.24 | 25-49 |
| 33 P 12808 | PP-13R | 1 K | 1 | 1.35 | 1.22 |
| 33 P 14820 | PP-252R | 2.5K | 1 | 1.35 | 1.22 |
| 33 P 14838 | PP-253R | 25K | 1 | 1.35 | 1.22 |
| 33 P 14846 | PP. 151 | 100K | 4 | 1.35 | 1.22 |
| 33 P 12816 | PP. 15 A | 100K | 1 | 1.35 | 1.22 |
| 33 P 12824 | PP. 251 | 200K | 4 | 1.35 | 1.22 |
| 33 P 12832 | PP-254A | 250K | 1 | 1.35 | 1.22 |
| 33 P 12840 | PP.55A | 500K | 1 | 1.35 | 1.22 |
| 33 P 12857 | PP-55L | 500K | 4 | 1.35 | 1.22 |
| 33 P 12865 | PP. 16A | 1 Meg . | 1 | 1.35 | 1.22 |
| 33 P 12873 | PP-16L | 1 Meg . | 4 | 1.35 | 1.22 |
| 33 P 12881 | PP.155t | 1.5 Meg. | 4 | 1.35 | 1.22 |
| 33 P 12899 | PP-26A | 2 Meg. | 1 | 1.35 | 1.22 |
| 33 P 14853 | PP. 36L | 3 Meg . | 4 | 1.35 | 1.22 |
| 33 P 12907 | PP-56L | 5 Meg . | 4 | 1.35 | 1.22 |
| TAPPED TYPES |  |  | Taper | Net Each |  |
| Stock No. | 0 hms | Tapped @ |  | 1-24 | 25-49 |
| 33 P 12915 | 250K | 100K-150K | 4 | 1.59 | 1.43 |
| 33 P 12923 | 500k | 200K | 4 | 1.59 | 1.43 |
| 33 P 12931 | 500K | 78K-168K | 4 | 1.59 | 1.43 |
| 33 P 12949 | 500K | 250k | 1 | 1.59 | 1.43 |
| 33 P 12956 | 1 Meg . | 500K | 2 | 1.59 | 1.43 |
| 33 P 12964 | 1 Meg. | 100k | 1 | 1.59 | 1.43 |
| 33 P 12972 | 1 Meg . | 200 K | 2 | 1.59 | 1.43 |
| 33 P 12980 | 1 Meg. | 250K-500K | 4 | 1.59 | 1.43 |
| 33 P 12998 | 2 Meg . | $500 \mathrm{~K} \cdot 1 \mathrm{Meg}$. | 1 | 1.59 | 1.43 |
| 33 P 13012 | 2 Meg . | 1 Meg . | 4 | 1.59 | 1.43 |
| 33 P 13020 | 3 Meg . | 1 Meg .2 Meg . | 4 | 1.59 | 1.43 |
| 33 P 13038 | 4 Meg . | 2 Meg . | 4 | 1.59 | 1.43 |




Type IF-18. Fig. A. An effective all-wave ca-pacitive-inductive type filter for use with all types of electrical appliances causing severe radio and TV interference, such as air conditioning and ventilating units, machine tools, washing machines, etc. In bakelite case, $6 \times 33 / 4 \times 21 / 2^{\prime \prime}$. with line cord and plug, receptacle and ground terminal. Binding post for attachment of ground wire. Rated at 115 V AC.OC. 5 amperes. 34 P 58114 Shpg. wt., 2 Ibs. .. Net 10.17

Type If.19. Fig. B. An effective capacitive. inductive type filter, smaller than above, yet having the same degree of attentuation of severe interference. For elimination of interference from food mixers. diathermy machines, electric fans, neon signs, washing machines. business machines, elc. Has line cord, plug, receptacle and terminal for ground connection. Rated 115 V AC.DC, 5 amperes. In bakelite case $4 \times 21 / 4 \times 27 / s^{\prime \prime}$,
34 P 58122 Shpg. wt., 1 lb. .. Net 9.10
Type 1F-4. Fig. C. A cylindrical filter for use with small radios and portable TV sets for reduction of low or medium intensity interference caused by smali portable electrical appliances such as electric shavers, fans. adding machines, etc. Rated 110 V AC-DC, 5 amps. Connects to power line between radio plug and outlet. Shpg. wt. 4 oz .
34 P'58130
............................................. 1.54
Type if.6. Fig. D. A plug-in cylindrical filter for elimination of moderate interference. Suppresses interference of fluorescent lighting, electric shavers, etc. Connects between power line and appliance or between power for grounding. Rated 110 V AC-DC. 10 amperes. $11 / 8^{\prime \prime}$ dia. $2^{\prime \prime}$ long. Shpg. wt. 5 gz . 34 P 58148

## WIRED-IN TYPE

Tỷp 1F.24. Fig. E. FLUORESCENT NOISE FILTER. Dual capacitive type filter for eliminating fluorescent noise. Easily connected by means of flexible leads, In addition has bracket for mounting. For 110 V AC-DC. Cylindrical mefal case $7 / 8^{\prime *}$ dia.. $17 / 8^{\prime \prime}$ long. 34 P 58163 Shpg. wt.. 4 oz, .... Net 1.48

Type 1F.54. Fig. F A capacitive-inductive fliter with greater efficiency than that above. Rated $110-220 \mathrm{~V}$ AC-DC, 2 amperes. Has flexible leads for simple connection, with additional lead for ground. Rectangular metal case $2 \times 2 \times 11^{\prime \prime}$. w/tabs for mounting. 34 P 58171 Shpg. wt., 8 oz. ... Net 4.00

## ELMENCO-SANGAMO-CENTRALAB

TYPE DM-10 (CM04) DIPPED SILVERED MICA CAPACITORS Meets all the electrical requirements of military spec. \#MIL-C-5C and EIA specification RS.153. All are $5 \%$ tolerance except * $=\mathrm{min}$ tolerance $\pm 1.0$ pF. All 500 WVDC except $\ddagger$ is 300 WVDC and $\dagger$ is 100 WVDC. Wt., 2 oz.

## CENTRALAB TYPE DD 1000 WVDC CERAMIC DISCS

| Stack No. | Cap. pF | $\begin{aligned} & \text { OM10. } \\ & \text { Type } \end{aligned}$ | $\begin{aligned} & \text { NET } \\ & 1-9 \end{aligned}$ | $\begin{gathered} \text { ACH } \\ 10- \\ 99 \end{gathered}$ | Stock No, | Cap. pF | DM10. Type | NET 1.9 | $\begin{array}{r} \text { ACH } \\ 10- \\ 99 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 35011 | 1* | 010* | . 15 | . 12 | 30 P 35227 | 62 | 620 | 20 | . 17 |
| 30 P 35029 | 2* | 020 * | . 15 | . 12 | 30 P 35235 | 68 | 680 | . 20 | .17 |
| 30 P 35037 | $3^{*}$ | 030* | . 15 | . 12 | 30 P 35243 | 75 | 750 | . 20 | .17 |
| 30 P 35045 | 5* | 050** | . 15 | . 12 | 30 P 35250 | 82 | 820 | 20 | .17 |
| 30 P 35052 | 10 | 100 | . 23 | 20 | 30 P 35268 | 91 | 910 | . 22 | .18 |
| 30 P 35060 | 12 | 120 | . 23 | . 20 | 30 P 35276 | 100 | 101 | . 22 | . 18 |
| 30 P 35078 | 15 | 150 | 23 | . 20 | 30 P 35284 | 110 | 111 | . 22 | . 18 |
| 30 P 35086 | 18 | 180 | . 23 | . 20 | 30 P 35292 | 120 | 121 | 23 | 20 |
| 30 P 35094 | 20 | 200 | . 18 | . 15 | 30 P 35300 | 130 | 131 | . 22 | . 18 |
| 30 P 35102 | 22 | 220 | . 18 | . 15 | 30 P 35318 | 150 | 151 | . 23 | . 20 |
| 30 P 35110 | 24 | 240 | . 18 | .15 | 30 P 35326 | 160 | 161 | . 25 | . 21 |
| 30 P 35128 | 27 | 270 | . 18 | . 15 | 30 P 35334 | 180 | 181 | . 27 | . 23 |
| 30 P 35136 | 30 | 300 | . 18 | .15 | 30 P 35342 | 200 | 201 | . 29 | . 24 |
| 30 P 35144 | 33 | 330 | . 18 | . 15 | 30 P 35359 | 220 | 221 | . 30 | . 26 |
| 30 P 35151 | 36 | 360 | . 20 | .17 | 30 P 35367 | 240 | 241 | . 32 | 27 |
| 30 P 35169 | 39 | 390 | . 20 | .17 | 30 P 35375 | 250 | 251 | . 30 | . 26 |
| 30 P 35177 | 43 | 430 | . 20 | .17 | 30 P 35383 | 270 | 271 | . 30 | . 26 |
| 30 P 35185 | 47 | 470 | . 20 | .17 | 30 P 35391 | 300 | 301 | 34 | . 29 |
| 30 P 35193 | 50 | 500 | . 18 | .15 | 30 P 35409 | $330 \uparrow$ | 331 | . 32 | 27 |
| 30 P 35201 | 51 | 510 | . 20 | .17 | 30 P 35417 | $360+$ | 361 | . 34 | 29 |
| 30 P 35219 | 56 | 560 | . 20 | . 17 | 30 P 35938 | $390+$ | 391 | . 36 | . 30 |

## TYPE DM-19 (CMO6) DIPPED SILVER MICA CAPACITORS

TYPE OM-19 (C Style CMO6) Operate from - 55 to $150^{\circ} \mathrm{C}$. Meets all electrical requirements of mil spec MIL-C-5C and EIA spec RS-153. Capacitance values $430-4700$. pF bear CM06 type designations. All have $\pm 5 \%$ tolerance. All 500 DCWV except * 300 WV and $\uparrow 100$ WV. Shpg. wt., 2 oz .

| Stock No. | Cap. MMF | DM19 Type | NET EACH |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
|  |  |  | 1.9 | 9 |
| 30 P 35425 | 100 | 101 | .15 | 2 |
| 30 P 35433 | 110 | 111 | .15 | 12 |
| 30 P 35441 | 120 | 121 | .15 | 12 |
| 30 P 35458 | 130 | 131 | . 15 | 12 |
| 30 P 35466 | 150 | 151 | . 15 | 2 |
| 30 P 35474 | 160 | 161 | . 15 | 2 |
| 30 P 35482 | 180 | 181 | .15 | 12 |
| 30 P 35490 | 200 | 201 | .15 | 12 |
| 30 P 35508 | 220 | 221 | . 15 | 12 |
| 30 P 35516 | 240 | 241 | . 15 | . 12 |
| 30 P 35524 | 250 | 251 | . 15 | 2 |
| 30 P 35532 | 270 | 271 | . 16 | 14 |
| 30 P 35540 | 300 | 301 | . 16 | 14 |
| 30 P 35557 | 330 | 331 | . 16 | 14 |
| 30 P 35565 | 360 | 361 | . 18 |  |
| 30 P 35573 | 390 | 391 | . 18 | 15 |
| 30 P 35581 | 430 | 431 | .18 | .15 |
| 30 P 35599 | 470 | 471 | . 22 | . 18 |
| 30 P 35607 | 500 | 501 | . 22 | . 18 |
| 30 P 35615 | 510 | 511 | . 22 | 18 |
| 30 P 35623 | 560 | 561 | . 22 | 8 |
| 30 P 35631 | 620 | 621 | 23 | . 20 |
| 30 P 35649 | 680 | 681 | 23 | 20 |
| 30 P 35656 | 750 | 751 | . 25 | . 21 |
| 30 P 35664 | 820 | 821 | . 27 | . 23 |
| 30 P 35672 | 910 | 911 | . 27 | . 23 |
| 30 P 35680 | 1000 | 102 | . 29 | . 24 |
| 30 P 35698 | 1100 | 112 | . 30 | . 26 |
| 30 P 35706 | 1200 | 122 | . 32 | . 27 |
| 30 P 35714 | 1300 | 132 | . 36 | . 30 |
| 8503 50 MMT <br> CENTRALAB CERAMIC TRANSMITTING CAPACITORS |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Designed primarily for transmitter, Induc tion heaters, X-Rays, etc. Tolerance 850 type $\pm 10 \%$, 858 type $\pm 20 \%$. Mounting $1 / g^{\prime \prime}$ long hex studs tapped $6 / 32$ thread. All 7500 DCWV except ${ }^{5} 5000$ v. Temp. Coefficient types ending, In 2 NPO , ending in N N750. Avg. shpg. wt., 2 oz.

| Stock No. | CRL No. | Cap. <br> MMF. <br> Sc | Price Schedule |
| :---: | :---: | :---: | :---: |
| 33 P 24498 | 850S-25Z | 25 |  |
| 33 P 24506 | 850 S. 50 Z | 50 |  |
| 33 P 24514 | 850S-50N | 50.1 .4 | 2.70 ea. |
| 33 P 24522 | 850 S .75 N | $75 \quad 5.29$ | 92.43 ea |
| 33 P 24530 | $850 \mathrm{~S}-100 \mathrm{~N} *$ | * $10030-100$ | 002.14 ea. |
| 33 P 24548 | 858S-500* | 500 |  |
| 33 P 24555 | 858S-1000* | 1000 |  |
| 274 |  |  |  |


|  |  |  | NET EACH |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | DM19 |  | 0. |
| Stock No. | MMF | Type | 1.9 | 99 |
| 30 P 35722 | 1500 | 152 | . 39 | 33 |
| 30 P 35730 | 1600 | 162 | . 39 | . 33 |
| 30 P 35748 | 1800 | 182 | . 43 | . 36 |
| 30 P 35755 | 2000 | 202 | . 48 | . 41 |
| 30 P 35763 | 2200 | 222 | . 51 | . 44 |
| 30 P 35771 | 2400 | 242 | . 53 | . 45 |
| 30 P 35789 | 2500 | 252 | . 55 | . 47 |
| 30 P 35797 | 2700 | 272 | . 58 | . 50 |
| 30 P 35805 | 3000 | 302 | . 65 | . 56 |
| 30 P 35813 | 3300 | 332 | . 69 | 59 |
| 30 P 35821 | 3600 | 362 | . 76 | . 65 |
| 30 P 35839 | 3900 | 392 | . 79 | . 68 |
| 30 P 35847 | 4300 | 432 | . 86 | . 74 |
| 30 P 35854 | 4700 | 472 | . 93 | . 80 |
| $30 . \mathrm{P} 35862$ | 5000 | 502 | . 99 | . 84 |
| 30 P 35870 | 5100 | 512 | 1.00 | 86 |
| 30 P 35888 | $5600{ }^{*}$ | 562 | . 95 | 81 |
| 30 P 35904 | 6800 | 682 | . 92 | 78 |
| 30 P 35912 | $7500 \%$ | 752 | 1.00 | . 86 |
| 30 P 35920 | $8200{ }^{\circ}$ | 822 | 1.09 | . 93 |

## CENTRALAB

DD-30 3000 WVDC
DISC CERAMICS
Shpg. wt., 2 oz.

Ideat for by-pass coupling in high frequency circuits. 1000 VOC working except $00-153$. DD.203, DD.303, DD.403, DD. 503 which are 600 VOC working. Tolerance all $\pm 10 \% \mathrm{ex}$ cept * $\pm 20 \%, \dagger \pm .5$ MMF, $\ddagger$ GMV. ** +80 . $20 \%$. Avg shpg. wt., 2 oz.
Stock No. DD. mmf Stock No. DO. mmf 33 P 22583 3R3† $3.3 \mid 33$ P $22989391 \quad 390$ 33 P $22591050 \quad 5 \quad 33$ P $24977401 \quad 400$ 33 P 22617 6R8 6.8 33 P $22997471 \quad 470$ 33 P 22625 7R5 7.5 33 P 23011 471G $\$ 470$ 33 P $22641100 \quad 10 \mid 33$ P $23029501 \quad 500$

 33 P $22666150 \quad 15 \quad 33$ P $23052601 \quad 600^{\circ}$ 33 P $22674180 \quad 18$ 33 P $23060681 \quad 680$ $\begin{array}{lllllll}33 P & 22682 & 200 & 20 & 33 & \text { P } 23078 & 751 \\ \text { 33 P } 22690 & 220 & 22 & 33 \\ \text { 33 } 23086 & 801 \neq & 800\end{array}$ $\begin{array}{lllllll}33 P & 22708 & 240 & 24 & 33 P & 23094 & 821\end{array} \quad 820$ $\begin{array}{lllllll}33 P & 22716 & 250 & 25 & 33 P & 23102 & 911 \\ 33 & 910\end{array}$ $\begin{array}{llllllllll}33 & P & 22724 & 270 & 27 & 33 P & 23110 & 102 & 1000\end{array}$ 33 P $22732300 \quad 30 \quad 33$ P 23128 102G $\ddagger 1000$ | 33 P P 22740 | 330 | 33 | 33 | P 23136 | 122 | 1200 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 33 P 22757 | 390 | 39 | 33 P 23144 | $122 G$ |  |  | 33 P $22765470 \quad 47 / 33 P 231691521500$ 33 P $22773500 \quad 50 \quad 33$ P $23177152 G \ddagger 1500$

 33 P 2280768068 33 P 23201 202t 2000 33 P $22815750 \quad 75$ 33 P $23219222 \ddagger 2200$ 33 P $22823820 \quad 82 \mid 33$ P $23227 \quad 252 \ddagger 2500$ $\begin{array}{lllllllll}33 & \text { P } 22849 & 101 & 100 & 33 & \text { P } 23235 & 272 \ddagger & 2700\end{array}$ 33 P 22856121120 33 P 23243 302 $\ddagger 3000$ 33 P $22864131130 \quad 33$ P 23250 332 $\ddagger 3300$ $\begin{array}{lllllllll}33 & \text { P } 22872 & 151 & 150 & 33 & \text { P } 23268 & 392 \ddagger & 3900\end{array}$ 33 P 22880181180
33 P 22898201200
33P 22906201430 P $23284432 \ddagger 4300$
 33 P 22914241240 33 P $23300472 G \ddagger 4700$ 33 P 22922251250 33 P 23318 5021 5000 33 P 22930271270 33 P 23326 5022* 5000
 33 P22955 331330133 P23342 $682 \ddagger 6800$ 33 P $22963351 \quad 350 \mid 33$ P23359 $752 \ddagger 7500$ 33 P $22971361 \quad 360$ 33 P23367 $822 \ddagger 8200$

NET EACH ANY OF ABOVE IN LOTS OF
$1.99 .15 \quad 100$ UP . 119

| Stock No. | CRL No. <br> DD. | Cap. <br> MFD | 1.99 | 100 |
| :--- | :---: | :---: | :---: | :---: |
| Up |  |  |  |  |

## CENTRALAB

## TYPE UK AND UK-10 LOW VOLTAGE ULTRA-KAPS

UK rated 3 WVOC, tolerance GMV UK- 10 rated 10 WVDC $^{2}$ tol. $+80 \%,-20 \%$. Shps. wt, $20 z$.

## TYPE UK

| Stock No. | Mfrs. <br> Typ* | cap. mfa. | $\begin{aligned} & \text { Met Price } \\ & 1-99100 \text { up } \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| 33 P21221 | UK104 | 1 | . 42 | 33 |
| $33 . P 21239$ | UK224 | 22 | . 30 | . 24 |
| $33^{3} \mathrm{P} 21247$ | UK474 | 47 | . 30 | 24 |
| 33 P 21254 | UK105 | 1.0 | . 36 | . 29 |
| 33 P 21262 | UK225 | 2.2 | . 42 | . 33 |

## TYPE UK-10

| 33 P 21270 | UK10-503 | .05 | .18 | .14 |
| :--- | :--- | :--- | :--- | :--- |
| 33 P 21288 | UK10-104 | .1 | .18 | .14 |
| 33 P 21296 | UK10.204 | .2 | .30 | .24 |
| 33 P 21304 | UK10-474 | .47 | .42 | .33 |

# Cornell-Mallory-Sprague-Aerovox 



## CORNELL BLUE BEAVER

Cornell Dubilier types BR and BBRD are dry electrolytics in compact aluminum cases. HIghest quality for TV general replacement with extra safety for high surge voltages in power supplies. Very low leakage. Operating temperature up to $85^{\circ} \mathrm{C}$.

## SPRAGUE "ATOMS"

Sprague types TVA and TV are dry electrolytics in extremely compact metal cases. They are designed to withstand high surge voltages and high ripple currents making them ideal for TV replacements, power supplies. etc. Leakage is very low. Efficient at temperafures up to $85^{\circ} \mathrm{C}$.

## AEROVOX DANDEE

Aerovox type PRS are dry electrolytic in compact aluminum cases. Dependable re. placements for TV and all electronic equipment when a guality unit is required. Feature low leakage high voltage surge protection and operating temperature up to $85^{\circ} \mathrm{C}$.

Mallory type TC dry electrolytic capacitors are housed in aluminum containers. These compact units are of the highest quality and are ideal for use in TV radio and general replacement in electronic circuitry. Low leakage and built-in safety factors against high voltage surges. Operating temperature up to $85^{\circ} \mathrm{C}$.

SINGLE SECTION

| $\begin{aligned} & \text { Stock } \\ & \text { No. } \end{aligned}$ | NET EACH IN LOTS OF |  |  |  | $\begin{aligned} & \text { Stock } \\ & \text { No } \end{aligned}$ | NET EACH TN LOTS OF |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cap. MFD |  |  | $25 .$ |  | Cap. MFD. | W.v. |  | $25-$ |
| 33 P 15082 | 1000 | 3 | 1.05 | . 82 | 34 P 55409 | 40 | 150 | 81 | 64 |
| 34 P 84011 | 50 | 6 | . 57 | . 45 | 34 P 55417 | 50 | 150 | 84 | 66 |
| 34 P 55102 | 100 | 6 | 72 | . 56 | 34 P 55425 | 60 | 150 | . 90 | 70 |
|  |  |  |  |  | 34 P 55433 | 80 | 150 | 96 | . 76 |
| 34 P 55128 | 500 | 6 | 93 | . 74 | 34 P 55441 | 100 | 150 | 1.05 | 83 |
| 34 P 55136 | 1000 | 6 | 1.14 | . 90 | 34 P 55458 | 150 | 150 | 1.14 | . 90 |
|  |  |  |  |  | 34 P 75134 | 200 | 150 | 1.35 | 1.03 |
| 34 P 7503534 P 75043 | 2000 | 6 | 1.38 | 1.09 | 34 P 75373 | 300 | 150 | 1.68 | 1.30 |
|  | 100 | 12 | . 72 | . 57 | 34 P 83393 | 150 | 200 | 1.68 | 1.30 |
|  |  |  |  |  | 33 P 15421* | 200 | 200 | 1.70 | 1.27 |
| 34 P 75068 | 500 | 12 | 1.02 | 80 | 34 P 75381 | 4 | 250 | . 66 | 52 |
| 34 P 75076 | 1000 | 12 | 1.35 | 1.07 | 33 P 15124 | 5 | 250 | . 75 | . 54 |
| 34 P 55144 | 100 | 15 | . 75 | . 58 | 34 P 75142 | 8 | 250 | . 69 | 54 |
| 33 P 15090 | 200 | 15 | . 90 | 67 | 33 P 15132 | 10 | 250 | . 72 | 57 |
| 34 P 55151 | 250 | 15 | 93 | 74 | 34 P 55482 | 20 | 250 | . 81 | 64 |
| 34 P 55169 | 500 | 15 | 1.05 | . 83 | 34 P 55490 | 30 | 250 | . 87 | 69 |
| 34 P 55177 | 1000 | 15 | 1.38 | 1.09 | 34 P 55508 | 40 | 250 | 93 | 74 |
| 34 P 55185 | 2000 | 15 | 1.92 | 1.43 | 34 P 55516 | 50 | 250 | 1.02 | 81 |
| 34 P 56225 | 3000 | 15 | 2.37 | 1.82 | 34 P 55524 | 60 | 250 | 1.08 | 85 |
| 34 P 56233 | 4000 | 15 | 3.00 | 2.25 | 33 P 15439** | 140 | 300 | 1.85 | 1.38 |
| 34 P 5624 | 5000 | 15 | 3.27 | 2.45 | 34 P 83401 | 150 | 300 | 1.95 | 1.50 |
| 34 P 84029 |  | 25 | . 54 | . 43 | 34 P 83419 | 200 | 300 | 2.70 | 1.67 |
| 34 P 75084 | 5 | 25 | . 60 | . 46 | 34 P 55532 |  | 350 | . 63 | 50 |
|  | 10 | 25 | . 60 | . 47 | 33 P 15140 |  | 350 | . 63 | . 50 |
|  |  |  |  |  | 34 P 75159 | 10 | 350 | 75 | . 60 |
| 34 P 55193 | 20 | 25 | . 60 | . 48 | 34 P 55565 | 16 | 350 | . 84 | . 67 |
| 34 P 55201 | 25 | 25 | . 60 | 46 | 34 P 55573 | 20 | 350 | . 87 | . 69 |
| 34 P 55219 | 50 | 25 | . 66 | . 52 | 34 P 55581 | 30 | 350 | 99 | 78 |
| 34 P 55227 $34 \times 5535$ | 100 | 25 | . 81 | . 64 | 34 P 55599 | 40 | 350 | 1.05 | . 82 |
| 34 P 55235 | 250 | 25 | 1.02 | 80 | 34 P 75399 | 60 | 350 | 1.17 | 93 |
| 34 P 55243 | 500 | 25 | 1.38 | 1.09 1.33 | 34 P 83443 | 100 | 350 | 1.86 | 1.11 |
| 34 P 56258 | 1000 | 25 | 2.37 | 1.33 | 33 P 15447 ${ }^{\text {\% }}$ | 150 | 400 | 2.38 | 1.77 |
| 34 P 56266 | 2000 | 25 | 2.91 | 2.19 | 34 P 55615 |  | 450 | . 66 | . 52 |
| 33 P 15108 |  | 50 | . 54 | . 43 | 34 P 55623 |  | 450 | . 66 | . 53 |
| 34 P 7510034 P 55250 | 2 | 50 | . 54 | . 43 | 34 P 55631 |  | 450 | . 69 | 54 |
|  | 5 | 50 | . 60 | . 46 | 33 P 15157 |  | 450 | . 72 | . 62 |
| 34 P 55268 | 10 | 50 | . 60 | . 47 | 34 P 55649 | 8 | 450 | . 75 | 60 |
| 34 P 75118 | 20 | 50 | . 60 | . 48 | 34 P 65656 | 10 | 450 | . 78 | . 61 |
| 34 P 55276 | 25 | 50 | . 63 | . 49 | 34P 55672 | 16 | 450 | 84 | 66 |
| 34 P 75126 | 50 | 50 | . 72 | . 57 | 34 P 55680 | 20 | 450 | . 93 | 74 |
| 34 P 55284 | 100 | 50 | . 84 | . 66 | 34P 55698 |  | 450 | 1.02 | 81 |
| 34 P 55292 | 150 | 50 | . 93 | . 73 |  |  | 450 |  |  |
| 34 P 55300 | 250 | 50 | 1.05 | . 83 | 34 3455714 | 60 | 450 | 1.41 | 1.12 |
| 34 P 55318 | 500 | 50 | 1.44 | 1.13 | 34 P 55722 |  | 450 | 1.95 | 1.51 |
| 34 P 56274 | 1000 | 50 | 2.34 | 1.81 | $34 \times 75183$ | -80 | 450 | 1.92 | 1.53 |
| 34 P 58189 | 1500 | 50 | 2.28 | 1.02 | 34 P 83427 | 150 | 450 | 2.85 | 2.24 |
| 34 P 58197 | 2000 | 50 | 3.48 | 2.60 | 34 P 83435 | 200 | 450 | 3.00 | 2.33 |
| 34 P 55326 | ${ }_{5}^{4}$ | 150 | . 60 | . 47 |  | 8 | 500 | . 78 | . 62 |
| 33 P 15116 | 5 | 150 | . 60 | 48 | 34 P 75191 | 10 | 500 | . 81 | . 64 |
| 34 P 55334 | 8 | 150 | . 63 | . 49 | 34 P 55771 | 20 | 500 | 96 | 83 |
| 34 P 55342 | 10 | 150 | . 63 | . 48 | 34 P 55789 | 30 | 500 | 1.05 | . 79 |
| 34 P 55359 | 12 | 150 | . 66 | . 52 | 34 P 55797 | 8 | 600 | 1.83 | 1.42 |
| 34 P 55367 | 16 | 150 | . 69 | . 54 | 34 P 55805 | 16 | 600 | 2.19 | 1.70 |
| 34 P 55375 | 20 | 150 | . 72 | . 56 | 34 P 55821 | 16 | 600 | 2.58 | 1.93 2.00 |
| 34 P 55383 | 25 | 150 | . 75 | . 59 | 34 P 55839 |  | 700 | 1.74 | 1.33 |
| 34 P 55391 | 30 | 150 | . 78 | . 61 | 34 P 55862 | 16 | 700 | 2.25 | 1.69 |

## STANDARD BRANDS

Because no one manufacturer offers all sizes, we have made thls integrated list. Your order will be filled with one of the 4 famous brands illustrated. We will sup ply any particular manufacturers brand specified, if available in the size desired. Avg- \$hpg. wl., 4 ozs.

DUAL SECTION COMMON NEGATIVE


DUAL UNITS-
SEPARATE SECTIONS

| 34 P 56142 | $15-15$ | 150 | 1.37 | $\mathbf{1 . 1 4}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 34 P 56183 | $40-40$ | 150 | 1.63 | 1.36 |

TRIPLE SECTION

| Stock No. | Cap. MFD. | NET EACH IN LOTS OF |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | w v |  | 25. |
| 34 P 56324 | 30-25-20 | 150 | 1.80 | 1.40 |
| 34 P 56357 | 40-30-20 | 150 | 1.86 | 1.44 |
| 34 P 56365 | 40-40-20 | 150 | 1.86 | 1.45 |
| 34 P 75456 | 50-30-20 | 150 | 1.89 | 1.50 |
| 34 P 56381 | 80-40-20 | 150 | 1.98 | 1.54 |
| 33 P 15280 | 80-50-50 | 150 | 2.10 | 1.63 |

QUADRUPLE UNITS


- Cardboard Tubular Wax-Filied Electrolytics


# Selected Replacement Capacitors 

## SPRAGUE 5000 MINAATURE METAL-CASE aluminum electrolytic capacitors

## ECONOMY TUBULAR ELECTROLYTICS.

Thesse electrolytic capacitors are specifically designed for service replacement applications. All single electro. lytics are hermetically sealed in alumi. num cans with outer cardboard insulating sleeves and have solid tinned copper leads. Dual and triple section electroReliable, miniature aluminum electrolytic capacitors suitable for tytics have wax impregnated cardboard miniature electronic circuitry. Excellent replacement for transistorized tubes with mounting strap, and color equipment. Dia. varies from $13 / \mathrm{m}_{4}^{\prime \prime}$ to $25 / \mathrm{m}^{\prime \prime}$, lengths vary from ${ }^{23 / 44^{\prime \prime}}$ to $13 / 54^{\prime \prime}$. Shpg. wt., 2 oz .

wt., 4 oz.


Up

## Auto-Speaker Kits - Auto Speakers - Accessories



## REAR SPEAKER KITS FOR AUTO RADIOS

Complete kits for adding second speaker in rear of your car. Switch-controlled kits include a P.M. speaker, 3-position selector switch for cutting in front, rear, or both speakers; dial plate with mounting bracket. knob and hardware; chrome grille, wire and wiring instructions. Fader controlled kits are identical except in place of switch a fader
stock no.
32 P 22098
32 P 22072
32 P 22114
32 P 22023
32 P 22031
SPEAKER MAG, OZ.
is supplied which controls volume of both speakers simultaneously, gradually reducing volume on one while increasing volume on the other. Kits for transistorized auto radios have speakers with multi-impedance 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 Irans. $110 / 4$

## REPLACEMENT AUTO PM SPEAKERS

All have multi-impedance voice colls to match all transistor sets. Will match 40, 20, 8 ohms or less. Slimline design.

| $\begin{aligned} & \text { STOCK } \\ & \text { MO. } \end{aligned}$ | SIZE-SHAPE | V.C. IMP. | PEAK WATTS | $\begin{aligned} & \text { MAG. } \\ & \text { OZS. } \end{aligned}$ | SHPG. WT. | NET |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 22049 | $6 \times 9$ " Oval | Multi-ohm | 7 | 1.47 | 11/2 | 3.99 |
| 32 P 22148 | $6 \times 9$ " Oval | Multi-ohm | 12 | 5.0 | 21/4 | 5.49 |
| 32 P 22056 | 6 "round | Multi-ohm | 7 | 1.47 | 1 | 3.59 |
| 32 P 22155 | $4 \times 10^{\prime \prime}$ Oval | Multi-ohm | 7 | 2.15 | $11 / 2$ | 4.29 |

## UTAH AUTO SPEAKERS

A complete line of speakers of replacement for all types of auto sets including the new transistorized sets. Voice coil impedances where shown as " $10 / 20 / 40$ " are 40 ohm tapped useable for either impedance and are specially desigred for transistor sets. \#indicates shallow type, only $21 / 8$ " deep.

| STOCK NO. | SILE-SHAPE | V.C. IMP, | $\begin{aligned} & \text { MAG. } \\ & \text { OZ. } \end{aligned}$ | SHPG. WT. | NET |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 49166 | $5 \times 70 \mathrm{val}$ | 10/20/40 | 1.47 | 1 | 4.25 |
| 32 P 49174 | $4 \times 10$ Oval | 10/20/40 | 2.15 | $11 / 2$ | 5.16 |
| 32 P 49182 | 6x 9 Oval | 10/20/40 | 1.47 | 11/2 | 4.65 |
| 32 P 49190 \# | $6 \times 9$ Oval | 10/20/40 | 2.15 | $11 / 2$ | 4.89 |

## UTAH DELUXE AUTO SPEAKERS

Deluxe line of replacement speakers. Features high-fidelity type cloth edge rolls for better bass and smoother response. Separate highfrequency cone. Hefty ceramic magnet. f Features 2 volce coils to simpllfy wiring to both radio and tape deck without switching.

| Stock No. | Size-Shape | V.C. Imp. | Mag. | Shpg. wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 49562 | $4 \times 10^{\prime \prime}$ Oval | 8-10 | 10 | 31/4 | 6.95 |
| 32 P 49570 | 5x7" Oval | 8.10 | 10 | 21/8 | 6.95 |
| 32 P 49588 | 6x9 ${ }^{\prime \prime}$ Oval | $8 \cdot 10$ | 10 | $21 / 2$ | 6.95 |
| 32 P 49596 $\dagger$ | $6 \times 9^{\prime \prime}$ Oval | 8.10 | 10 | 21/2 | 7.95 |

## PAIR OF TRUSONIC DIE-CAST STEREO HI.FI SPEAKERS FOR THE CAR



## $29_{5 \text { en }}^{95}$ <br> With G <br> and <br> Mounting Hardware

Power Handling: 12-Watts

- For Door or Rear Deck Mounting - Frequency Response: $50-18,000 \mathrm{~Hz}$

Reproduces magnificent hi-fi sound in the car. Powerful $5^{\prime \prime}$ full. range speaker delivers brilliant clean highs to $18,000 \mathrm{~Hz}$ and deep solid bass down to 50 Hz . Features rigid die-cast frame, free cone suspension, 2 ib , magnet structure and $\mathbf{l}^{\prime \prime}$ edge-wound wire ribbon voice coil. Handes 12 full watts of power. Custom mounts in door panels or on rear deck. Shpg, wt., $61 / 4 \mathrm{lbs}$ 32 P 49489 2-Speaker Kit.

Net 29.95


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 .

## 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 P 22585

SWITCH TYPE (Fig. A)
Gives choice of front speaker alone, rear speaker alone, or both together.

## 32 P 22571

Net Ea. 89
PUSH-BUTTON TYPE (Fig. B) Just push a button to select front speaker alone, rear speaker alone, or both together. 32 P 22569

Net Ea, 1.24

Set of deluxe heavy duly $51 / 4^{\prime \prime}$ speakers with 5.5 ounce ceramic magnets. High compliance, cloth roll suspension assures strong, clean bass. Dual cones extend the highs. Fast easy installatlon. 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., $33 / 4$ lbs.

## 32 P 01977

Net 14.95


This two-way $6 \times 9^{\prime \prime}$ auto speaker was specially designed to satisfy the demand for the finer tone quality available from modern FM car radios and tape players. Now you can enjoy full quality reception in the rear seat of your car. It has a co-axially mounted $3^{\prime \prime}$ tweeter for high frequencies, and matches $8,10,20$, or 40 ohm outputs for universal use, 6-07. ceramic magnet with power handling capacity of 10 watts. Complete with black deluxe moulded grille, fader control, hardware, wire, and illustrated instructions. 32 P 49539 Shpg, wt., $23 / 4 \mathrm{lbs}$. ...Net 11.95
DUAL HIFFI REAR-SEAT SPEAKER KIT


- Woofer-Tweeter-Crossover

Multi-impedance voice coil, 10,20 or 40 ohm, for all translstor and tube sets. "Universal" speaker kit includes two Alnico $V$ units-a $5^{\prime \prime}$ woofer and $3^{\prime \prime}$ tweeter with electronic crossover network, fader control, chrome grille and baffle which fits regular $6 \times 9^{\prime \prime}$ cut-out; plus pre-wired. pre-soldered, 3 position switch. Shpg. wt., 2 lbs.
32 P 49331
Net 8.95
DELUXE SPEAKER GRILLES
Dress up original equipment or accessory speaker installations with a contemporary styled two-toned slotted speaker grille. Molded high impact black cycolac with raised chrome bead and luxurious black and chrome medallion, dress up speaker installations. With chrome bolts, nuts.
$5 \times 7^{\prime \prime}$ Deluxe Grille
32 P 57029 Wt. 6 oz.
Net 2.29
$6 \times 9^{\prime \prime}$ beluxe Grille
32 P 57003 Wt., 6 oz.
Net 2.59
SPEAKER GRILLES
Handsome perforated metal grilles for rearseat speaker use or other installations. Avg. Shpg, wt., $3 / 4 \mathrm{lb}$.
CHROME GRILLES
32 P $340105 \times 7$
32 P 34028 6x9"
Net 1.09
GRAY GRILLES (Non-Reflecting)
32 P $340695 \times 7^{\prime \prime}$.................................Net 98
32 P 34077 6×9"

## Replacement Speakers and Baffles



LAFAYETTE ECONOMY-LINE PM SPEAKER
Top quality replacement speakers. Selected for universal application, rugged construction-standard configurations. All have 3.2 ohm voicé colls. Made in U.S.A. except 99 Series are imported.

| Stock No. | Size | Shape | Mag. Wt. | Peak Watts | Shpg. Wt. | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 27006 | $4^{\prime \prime}$ | Square | . 60 oz . | 3.0 | $1 / 2$ | 1.59 |
| 99 P 62697 | 5" | P.C. | . 68 07. | 4.0 | 3/4 | 1.79 |
| 32 P 01092 | $5 \times 7$ " | Oval | 1.0 oz . | 5.0 | 1 | 2.69 |
| 32 P 01076 | 6x9"' | Oval | 1.47 oz . | 7.0 | $11 / 2$ | 3.19 |
| 32 P 01043 | $6 \times 9$ " | Oyal | 2.1502. | 8.0 | $11 / 4$ | 3.69 |



## EXACT REPLACEMENT MINIATURE SPEAKERS

Quality Alnico PM speakers for replacement in transistor portable sets. Ideal for the experimenter, " have mtg. holes on 2 " centers; $\dagger$ on $1 / 5_{2} 2^{\prime \prime}$ centers; oHMS is voice coil impedance. Dimensions given are overall. Imported.

| Stock No. | Fig. | Diam. | Depth | Ohms | Wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 P 60352 $\dagger$ | A | 11/2" | 1516" | 10 | 5 oz . | 1.12 |
| 99 P 60360 | C | $2^{\prime \prime}$ | "10" | 8 | 3 oz . | 1.03 |
| 99 P 60972** | B | 21/2' | 11/4" | 10 | 6 oz . | 1.12 |
| 99 P 60329 | E | $3{ }^{\prime \prime}$ | 13/4" | 8 | 3 oz . | 1.05 |



## MDDERN SPEAKER BAFFLES

Well built plywood speaker baffles for indoor public address and paging systems, intercoms, extension speakers, etc. Friese-design $\underset{\text { grille e cloth, modern walnut finish. Baffle for }}{ }$ $5^{\prime \prime}$ speaker is $73 \mathrm{~m}^{\prime \prime}$ square; Depth at top $43 / 4^{\prime \prime}$, Depth at bottom $21 / 2^{\prime \prime}$. For $8^{\prime \prime}$ speaker is $9^{\prime \prime}$ square; Depth at top $61 / 4^{\prime \prime}$, at bollom $4^{\prime \prime}$. For $12^{\prime \prime}$ speaker, $13^{\prime \prime}$ square; Depth at top $81 / 2^{\prime \prime}$, at bottom $41 / 2^{\prime \prime}$.

| Stock No. | Description | Wt. Ibs. | Singly <br> Each | Lots of 3 <br> Each |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 20 P 13066 | For $5^{\prime \prime}$ or $6^{\prime \prime}$ | $11 / 2$ | 3.59 | 3.23 |
| 20 P 13076 | For $8^{\prime \prime}$ | $2^{1 / 2}$ | 3.95 | 3.55 |
| 20 P 13084 | For $12^{\prime \prime}$ | 4 | 5.69 | 5.19 | giving increased and uniform sensitivity. All heavily cadmium plated rust proof construction. All with alnico $V$ magnets. All voice coils $3-4$ ohms except $12^{\prime \prime}$ is 8 ohms and intercom units are 45 ohms. 1. With provisions for mounting transformer. it For Tape Recoiders. *For Intercoms.


| Stock No. | Size-Shapt | Program Power Watts | Mag. 02. Fig |  | Shpg. Wt. Lbs. | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 49141才 $\dagger$ | $5 \times 3$ OVAL | 4 | . 55 | 0 | 3/4 | 2.34 |
| 32 P 49018 | 31/2" SQUARE | 3 | . 68 | A | $1 / 2$ | 2.31 |
| $32 \mathrm{P} 49026+$ | 4" SQUARE | 5 | 1.2 | A | $1 / 2$ | 2.70 |
| 32 P 49034. | $4 \times 6$ OVAL | 5 | 1.2 | 0 | 1/2 | 4.11 |
| $32 \mathrm{P} 49042 \dagger$ | 5" P.C. | 5.5 | 1.2 | B | 3/4 | 3.09 |
| 32 P 49455 | 6" P.C. | 6 | . 68 | B | 1 | 3.15 |
| 32 P $49471 \dagger$ | $6^{\prime \prime}$ P.C. | 5.5 | 10 | 8 | $13 / 4$ | 4.41 |
| 32 P 49067 | $6 \times 9$ OVAL | 10 | 3.16 | 0 | 13/4 | 5.42 |
| 32 P 49463 | $8^{\prime \prime}$ P.C. | 8 | 1.47 | 8 | $11 / 2$ | 3.81 |
| 32 P 49075 | $8^{\prime \prime}$ ROUND | 10 | 3.16 | c | 13/4 | 5.75 |
| $32 \mathrm{P} 49083{ }^{\text {¢ }}$ | 12" ROUND | 14 | 6.8 | C | 5\%/4 | 8.75 |
| $32 \mathrm{P} 49125^{* *}$ | 31/2" SQUARE | , | . 68 | A | 1/2 | 2.15 |
| 32 P 49133** | 4" SQUARE | 4 | . 68 | A | 1/2 | 2.15 |



Frames constructed of plywood, front panels of acoustically correct particle board. Locked corners for maximum strength. Attractive recessed front, beautiful walnut wood-grain fabric covering. Complete with speaker mounting hardware.

| Stock No. | Utan <br> No. | Fig | For <br> Spkr. | Size <br> HxWrD | Shps. <br> Wt. | Net |
| :--- | :--- | :--- | :---: | :---: | :---: | :---: |
| 20 P 48122 | SS8-W | A | $8^{\prime \prime \prime}$ | $14 \times 151 / 2 \times 81 / 4$ | $41 / 4$ | 10.39 |
| 20 P 48148 | CS8.W | B | $8^{\prime \prime}$ | $91 / 2 \times 91 / 2 \times 61 / 4$ | 2 | 6.95 |
| 20 P 48155 | CS12-W | B | $12^{\prime \prime}$ | $131 / 2 \times 131 / 2 \times 83 / 4$ | $33 / 4$ | 9.37 |

## LAFAYETTE Speakers for 8-Track and Cassette Car Stereo Tape Players

| "VARY-MOUNT" | PAIR OF $3 \times 5$ UNDER |
| :--- | :---: |
| FLUSH MOUNTING | DASH MATCHING |
| SPEAKER | SPEAKER SYSTEMS | SPEAKER

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.: $61 / \mathbf{N}^{\mathrm{N}}$. Imported. Shpg, wt., $13 / 4 \mathrm{lbs}$.
99 P 01794 ............Net., 4.19

Handsome palr of two $3 \times 5^{\mu}$ wide-range ceramic speakers mounted in plastic housing. Will mount under dash, under seats, on kick panels, doors, or rear package shelf. Includes all necessary cables and mounting hardware. Impedance, 8 -ohms. Imported. Shpg. wt., $21 / 2$ lbs.

CUSTOM INDOOR SET OF FOUR SPEAKERS \& MATCHING GRILLES

DELUXE PAIR OF REAR DECK MATCHING SPEAKER SYSTEMS


Ready for quick installation. Improves the sound of any car tape player. Kit includes: four $4 \frac{3}{4}$ " extended range 8-ohm PM speakers; four round custom mount plastic speaker grills; hookup wire with solderless connectors: mounting hardware and easy intructions Imported wt 3 I tructions. imported. Wt., 31/2 Ibs.

Set of two powerful $4^{\prime \prime}$ speakers mounted in handsome ebony plastic cablnets with silver trim. Designed to mount on car's rear deck. 5 watts peak handling power. Provides outstanding sound reproduction. Includes ali necessary cables and mounting hardware. Imp. 8 ohms, Wt., $2^{\frac{1}{n} / 4}$ hard
lbs. 99 p

P 62986
Net 10.95

# Switches for Industry and Experimenters 



- Magnet Switch-Circuit Closes When Magnet Approaches Switch
- Activating Magnet Supplied
- Hermetically Sealed

An ingenious little device that has untold uses in the home-in a burglar alarm system, electric trains, "magic tricks," and many more. As the magnet approaches the switch, the circult closes. Hermetically sealed; precious metal contacts: 1 millisecond actuation. 15 watts resistive max. up to 1 amp to 250 volts. Size: $2 \% / 0^{\prime \prime}$ with leads. 34 P 44015 Shpg. wt., 3 oz. .... Net 1.89

## MERCURY SWITCH KIT

- Silent-Swift
-Positive Action
- Hermetically Sealed In Glass

This kit of five mercury switches is ideally suited to the needs of hobbyists and experi. menters. Tilt activated switches come in varying shapes and current carrying capacities. With recommended maximum load at 115 V AC resistive, the largest switch is rated at 5 amps., 115 V . AC with smaller types rated down to $1 \mathrm{amp} ., 115 \mathrm{~V}$ AC or less. 19 P 21253 Shpg. wt., 4 oz. Net ea. 2.98

## LINEMASTER FOOT SWITCHES



Model B-2-S "Executive." Two momentary SPDT switches side by side. Interlock prevents both circuits from being operated at same time. Both sides normally off when not in use. 15 amps, 125 VAC. $45 / 8 \times 4 \times 11 / \mathrm{a}^{\prime \prime}$ Shpg. wt., $11 / 2$ lbs.
34 P 36086 Net ea. 7.50
Model T51-S "Treadlite". Compact, rugged SPDT momentary contacts rated 7 amps at $125 \cdot 250 \mathrm{v}$. AC. $1 / 6$ H.P. at 115 v . AC. Rubber tread and skid-proof base $31 / 2 \times 25 / 8 \times 1$ ". Shpg. wt., 10 oz .
34 P 36011 ............................Net ea. 2.95 Model T51-SC-Same with a six ft. cord and two prong series plug. U.L. Listed. Shpg. wt., 1 lb .
34 P 36029
Net ea. 4.40
Model T.51-SC-3-Same as above but with 3 conductor cord and 3 prong grounded series plug. U.L. Listed. Shpg. wt., $11 / 4 \mathrm{lo}$. 34 P 36078

Net ea. 5.65
Model 491-S "Compact"-SPDT momentary contacts rated 10 amps 125 v . AC, $1 / 2 \mathrm{HP}$ at 115 v . AC. Steel housing, black wrinkle finish, skid-broof base. $27 / 0 \times 2 \frac{1}{2} \times 2 \frac{1}{6}{ }^{\prime \prime}$. Wt. $90 z$. 34 P 36037
.Net ea. 3.60
Model 491-Sc3-Same with eight foot cord and three prong grounded series plug. Shpg. wt., $13 / 4$ lbs. U.L. Listed.
34 P 36094
Net ea. 6.60

HEAVY DUTY LOCK SWITCH


- For Burglar Alarm Systems
- Hidden Auto Disconnect

Heavy duty bakelite construction insures minimum internal resistance and greater current carrying capacity. Extra heavy contacts. Terminals set for simple installation -well recessed to prevent shorting. Installs in any hole from 3/4" to 11/9" In dia., in any panel up to $3 / 4^{-\pi}$ thick. Two terminal single throw. Key can be removed in both "on" and "off"' position. Prevents tamperling with automotive equipment. Activates alarm sys-tems-only key can shut off. Suitable for marine equipment. With 2 keys. Wt., 5 oz. 33 P 64015

Net 1.59

## MAGNETIC REED SWITCH KIT

Kit consists of four assorted magnetic reed switches and one magnet. For experimenters and hobbyists. Ideal for use in swifching circuits, window alarms, liquid level alarms, rotational counting. Two miniature magnetic switches rated at $0.5 \mathrm{amps}, 10$ watts maximum. Two large switches rated at 1 amp, 15 watts maximum. Shpg. wt., 2 oz .
19 P 21261
Net 2.98

## RUGGED LEVER SWITCH FOR AUDIO AND INTERCOMS



4PDT Audio Lever Switch: Has 2 dual sets of single pole, double throw contacts. One set is momentary contact-spring return, (press-to-talk). In the reverse position of the lever (dictate), the second set of contacts remain in the positive position until released. Panel mounting, mtg. centers $1^{\prime \prime}$ apart. Size $21 / "^{\prime \prime}$ long behind panel. $1 \%, " W \times 1 " H$. imported. Shpg. wt., 402.

Net ea. 1.09

## DPDT "SEE-SAW" SWITCH

$$
63^{\circ}
$$

Flip action, rocker arm type equipment switch. Mounts flush in oanel up to $1 / 8^{\prime \prime}$ thick. Requires rectangular mounting hole $1 / 2 \times 11 / 8^{* \prime}$ long. Mtg. centers $13 \mathrm{~A}^{\prime \prime}$. Rated 4 amps at 125 V AC. Imported. Wt. $1 / 4 \mathrm{lb}$.
99 P61574
Net ea. . 63
Lots of 10 ea. .58
FOUR-WAY STEREO FADER CONTROL


Stereo Fader Control can be used as stereo Fader/Balance control for four speaker type car stereo unit. Adjusts the level of front and rear speakers to suit your listening pleasure. Also works as individual left and-right bal. ance control simultaneously. Comes com: pletely mounted on attractive black and silver trim molded plastic with wires for connections to four speakers, mounting hardware and instructions. Shpg. wt., 602. 99 P 85235
..Net 3.69
Stocks, Loucest Prices, Fastest Service

## ARROW-HART MOMENTARY PUSH BUTTON SWITCHES

Metal base push switches with laminated phenolic sections, slotted sleeve $15 / 2$ diam. Ks" long. All have solder lug terminal, and plain tops. Complete with mounting ring and nut. Rated 1A, 125 VAC. Shpg. wt., 3 oz.

|  | Mfg. | 1. Net Each |
| :--- | :--- | :--- |
| Stock No. | No. 24 | $25-U p$ |


| 2 CIRCUIT-ONE N.O., ONE N.C. |  |  |  |
| :---: | :---: | :---: | :---: |
| 34 P 34537 | 3392 | 1.13 | 1.05 |
| NORMALLY CLOSED-SPST |  |  |  |
| 34 P 34560 | 3391 | . 98 | . 89 |
| NORMALLY OPEN-SPST |  |  |  |
| 34 P 34594 | 3391 E | . 98 | 8 |

Type 3391-194 Snap-On Insutator Buttons for any of the above switches. WI. 202.
34 P 34628 Red
Net ea. . 24
34 P 34636 Black
Net ea. 24

## SWITCHCRAFT TINI.SWITCH

Subminiature push-button switch for use in limited space. One. piece plastic shaft available in red or black. For low level circuits only. $\mathrm{NO}=$ normally open. NC = normally closed. Threaded $1 / 4^{\prime \prime}$ bushing. 110" long, requires $36^{\prime \prime}$ behind panel. Wt., $20 z$. Black Type

|  | Mfg. <br> Stock No. |  |  |  | No. | Contacts | Net ea. |
| :--- | :--- | :--- | ---: | :---: | :---: | :---: | :---: |
| 34 P 60011 | 961 | SPST-NO | .63 |  |  |  |  |
| 34 P 60029 | 962 | SPST-NC | .63 |  |  |  |  |
| 34 P 60037 | 963 | SPDT | .75 |  |  |  |  |
| Red Type |  |  |  |  |  |  |  |


| 34 P 60045 | 951 | SPST-NO | .63 |
| :--- | :--- | :--- | :--- | :--- |
| 34 P 60052 | 952 | SPST-NC | .63 |
| 34 P 60060 | 953 | SPDT | .75 |

## ILLUMINATED "SEE-SAW" SWITCH



SPST. Flip action, rocker arm type, rated at 125 V AC, 10 amp. Iltuminated. Fully enclosed. Mounts flush in panels up to
 1/8" thick. Requires mounting hole $11 / 6 \times 5 / 8^{\prime \prime}$. Mtg. centers $13 / 6$. Imported. Shpg. wt., 1/4 lb.
99 P 62598
Net ea. 1.20
Lots of 10 ea. 1.09
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.

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 P 22585

Net ea. . 89
SWITCH TYPE (Fig. A)
Gives choice of front speaker alone, rear speaker alone, or both together.
32 P 22577
Net ea. . 89
PUSH-BUTTON TYPE (Fig. B)
Just push a button to select front speaker alone, rear speaker alone, or both together. 32 P 22569

Net ea. 1.24

# Switches-Toggle, Push-Button, Slide \& Telephone 


[1] SPST BAT HANDLE
Rated 3 amps $\ldots 125$ V. Body size $11 / \mathrm{Bx} 3 / 4 \times 1 / 2^{* *}$ behind panel. Bushing $7 / 16^{* \prime}$ diam. 7/16" long. Bat handle $1 / 2^{\prime \prime}$ long. Shpg. wt., 3 oz . Imported.
99 P 61509 $\qquad$ Net ea. . 36
In lots of 10, ea. 31

## HEAVY DUTY 6 AMP DPDT

Rated 250 V at 3 Amps or 125 V at 6 amps . Switch body $11 / 4 \times 3 / 4 \times 7 / 8^{\prime \prime}$ behind pane including terminals. Bushings $15 / 32^{* *}$ Dia. $7 / 16^{\prime \prime}$ long. Bat handle $1 / 2^{-}$long. Shpg. wt., 3 oz. Imported.
99 P 61517 $\qquad$ Net ea. . 50
In lots of 10 , ea. . 45


## (5) MINIATURE MOMENTARY

Momentary contact push-button switch Ideal for all miniaturized applications. Single pole two circult push-to-make type. Berylium copper leaf contacts. Overall diameter $1 / 2^{\prime \prime}$ overall depth $11 / 16^{\prime \prime}$, protrudes $3 / 8^{\prime \prime}$ behind panel. Bushing $1 / 4^{\prime \prime}$ dia., $3 / 16^{\prime \prime}$ long. Supplled with washer and mounting nut. Shpg. wt. 3 oz. Imported.
Miniature Push-Button Switch.
99 P 62184

> ..........................
..Net ea. . 26 In lots of 10, ea. 23

## 7 SUB-MINIATURE MOMENTARY

Momentary contact push button switch. SPST non-snap action. Rated 115 V AC at 100 ma Overall dimensions $3 / 8 \times 3 / 4^{\prime \prime}$ L. Bushing $1 / 4^{\prime \prime}$ long. Shpg. wi, 2 oz. Imported.

99 P 61590
Net ea. 26
In lots of 5 ea. 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. SPST Type. Current capacity, 10 Amps at $125 \mathrm{VAC}, 6 \mathrm{~A}$ at 250 V AC; Insulation resistance, 100 meg ohms or more at 500 V DC. Solder terminals. Single-hole mtg . Mount in $13 / \mathrm{s}$ hole, $11 / 2^{\prime \prime}$ behind panel. Shog. wt., 3 oz. Imported.
99 P 61921
Net 1.95

## (8) $\triangle$ POLE-3 POSITION

Four pole rotary selector switch, 3 positions per pole. Spring loaded, positive detent action. Shorting type. Over-all diameter $11 / 4^{\prime \prime}$ Depth behind panel, including lugs, $1 / 4 \mathrm{~m}$ : Bushing $78 \times 3 / 9^{\prime \prime}, 1 / 4^{\prime \prime}$ murled shaft, $14 / 4^{\prime \prime}$ long. Shpg. wt., 3 oz. Imported.
99 P61566
Net ea. . 59 Lots of 10 ea. .53

## 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: $13 / 16^{\prime \prime}$. Shpg. wt., 2 02. Imported.

99 P 61863
Net .31

Telephone Type 4 PDT. Lever switch: 3 position lever action switch of non induction construction. Has 4 sets of SPOI contacts-Has 3 locking positions-Heavy insulated rollers. Panel mount, $15 / 16^{\prime \prime}$ mounting centers. Size: $21 / \mathrm{s}^{\prime \prime}$ long behind panel, $5 / 8 \mathrm{~W} \times 1 y_{1}{ }^{\prime H} \mathrm{H}$. Shpg. wt., 3 oz. imported.
99 P 61491 $\qquad$ Net ea. 79
In lots of 5 ea. . 69

DELAY ACTION SWITCHES FOR HOME AND CAR

## (3) 6 AMP. DPDT CENTER OFF

Rated 6 amps, 125 V.A.C. $1 \% /{ }_{1} \times 3 / 4 \times 1^{\prime \prime}$ behind panel including screw terminals. Bushing $7 / 16 \times 7 / 16^{\prime \prime} .5 / 8^{\prime \prime}$ bat handle. Shpg. wt., 3 02. Imported.
99 P 61483
Net ea. . 60
In lots of 10, ea, .54

## (4) 10 AMP. SPDT CENTER OFF

Rated 10 amps at 125 V . Sifvered lugs for low loss connections. Body size $11 / 8 \times 9 / 16 x$ $5 / 8^{\prime \prime}$ depth behind panel. Bushings $3 / 8^{\prime \prime}$ Dla., $7 / 16^{\prime \prime}$ long. Bat handle $1 / 2^{\prime \prime}$ long. Shpg. wt., 3 oz. Imported. 99 P 61558

Net ea. . 47 Lots of 10 , ea. . 43

(A)
(B)

- Keeps light on for 60 seconds after turning 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., 501.
34 p. 38058
Net 2.39
For the car. Keeps car lights on for 60 seconds while you walk to house then turns them off automatically. Easy to install in any 6 or 12 Volt car, $31 / 4 \times 13_{0}{ }^{\prime \prime}$ diam, (Fig. B) Shpg. wt. 6 oz .
34 P 46010
Net 2.39


3 PDT AC-DC Slide Switch: Rated at 500 microamps at 100 V . Solder lug terminals. Measures $3 / 4^{\prime \prime} W \times 13 /$ " $^{\prime}\left[x 7 / 8^{\prime \prime}\right.$ D. Overall in. cluding $5 / 16^{\prime \prime}$ trigger. Mounting centers $11 /{ }^{*}$. Shpg. Wi., 4 oz. Imported.
99 P 61665
Net ea. . 34


## SLIDE SWITCHES

Compact slide switches In cadmium steel housings. All rated 3 amp at 125 voits AC. 11/8" mounting centers. Shpg, wt., 302.

| Stock No. | Circuit | Net <br> Each | 10 For |
| :--- | :---: | :---: | :---: |
| 34 P 37035 | SPST | .19 | 1.65 |
| 34 P 37043 | SPDT | .22 | 1.95 |
| 34 P 39114 | DPST | .24 | 2.15 |
| 34 P 39122 | DPDT | .26 | 2.35 |

ULTRAMINIATURE SPDT SLIDE SWITCH


Exceptionally 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. Withstands 600 V AC. Size $5 / 8 \times 1 / 8 \times 5 / 16^{\prime \prime}$. Size of switct, body, mounting ears add $1 / 2^{\prime \prime}$ to overall length. Mig. centers 1". Shpg. wt., 2 oz. Imported.
99 P 61897
Net .29

## MIDGET-BAKELITE KNIFE SWITCHES

Complete swiltches mounted on black bakeIlte base with insulated knob handle of black bakellte. Plated brass contacts provide positive low-resistance connection. Imported.

SPDT KNIFE SWITCH
Overall size $11 / 8 \times 23$ h. Shog. wt., 207
99 P 61525 .......Net 19 ea. 10 for 1.69 DPDT XNIFE SWITCH
Overall size $15 / 8 \times 23 / \mathrm{s}^{\prime \prime}$. Shpg. wt. 3 oz .
99 P 61533
Net ea. . 29

in Lots of 10.25 ea.

## MASTER DISCONNECT SWITCH

- Disconnects Battery

\& Generator Circuits With A Single Switch

With a flip of a single lever protect cars, boats against fires resulting from shorts, battery run down due to appliances unknow. ingly left on, theft by ignition "jumping" (when mounted in concealed position). Perfect for cars, boats, heavy equipment. All steel construction, operates on ball bearings for quick, easy operation and rapid reset. Fits 6 or 12 volts. Shpg. wt., $11 / 4 \mathrm{lb}$. 11 P 87012 $\qquad$

Make Lafayette Your Une Dependable Source for Everything in Electronics

# MALLORY Switches and Dial Plates 

## CERAMIC SELECTOR SWITCHES



Ideal for RF circuits. All non-shorting. Ceramic insulation, silver plated contacts. $1 / 2^{\prime \prime}$ spacing between gangs except 1" on 3 gang. Voltage breakdown 500V AC or DC. Max non-breaking resistive load is 10 amps. 1" $m \mathrm{mtg}$. radius. Notched shaft $2 L \times 1 / 4^{\prime \prime}$ diameter with $\geqslant / / 3 \neq 6$ bushing. Adjustable stop. Type with " have added "OFF" position preceding others. With knob, nut and lockwasher. Shpg. wt., 5 oz .


Shpg. wt., 8 oz . THREE GANG

| Stock <br> No. | Mfg. <br> No. | Poles Pos. <br> Per Per <br> Gang Pole | $1-4$ <br> Each | 5.9 <br> Each |  |
| :--- | :--- | ---: | ---: | ---: | ---: |
| 30 P 40631 | 180 C | 1 | 11 | 5.04 | 4.21 |

## ALL PURPOSE SWITCHES

Single section phenolic type $2^{\prime \prime}$ long by $1 / 4^{\prime \prime}$ diam. shaft with $3 / \mathrm{r}^{\prime \prime}$ bushing. Supplied with knob lockwasher and nut. Shpg. wt., 4 oz .

| Shorting TYPES |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock <br> No. | Mallory <br> No. | Cir. Pos. |  | 1.4 <br> Each | 5.9 <br> Each |  |
| 30 P | 49202 | $5 M 1112$ | 1 | 2 | 1.19 | .99 |
| 30 P | 49210 | $5 M 1113$ | 1 | 3 | 1.19 | .99 |

## DIAL PLATES

Silver markings on black background. $30^{\circ}$ spacing plates for alt Mallory 1200 L and 1300 L series switches and for $11 / 4^{\prime \prime}$ base. 3100 J and 3200 J series. Shpg. wt., 2 Oz.

## Stock No. Marking Stock No. Marking

30 P 406641 to $2 \mid 30 \mathrm{P} 40771$ Off 1 to 3 30 P 406721 to $3 \quad 30 \mathrm{P} 40789$ Off 1 to 4 30 P 406801 to 4 30 P 40797 Off 1 to 5 30 P 4069 B 1 to $5 \quad 30 \mathrm{P} 40805$ off 1 to 6 30 P 407061 to 6 30 P 407481 to 10 30 P 407681 to 10 30P 40821 D 41 it 30 P 407551 to 11 30 P 40039 Off 1 to 9 30 P 407631 to 12 30 P 40847 Off 1 to 10 ANY OF ABOVE NET EACH . 12

## LEVER ACTION SWITCHES

Positive action, phenolic sections. 6000 series have mig. brackets with round holes $15 / \mathrm{s}^{\prime \prime}$ apart; 5000 serles have elongated holes in bracket with $24 / z_{2}{ }^{" 1}$ centers. Voltage rating 500 VAC-DC. Max. nonbreaking current resistive load, 6 amp . at 6 VAC. $20^{\circ}$ indexing with knob and hardware. Shpg. wt., 5 oz .

| Stock <br> No. | Mtg. <br> No. | Poles Pos. <br> Per Per <br> Gang Pole | 1.4 <br> Each | 5.9 <br> Each |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 41209 | 5124 | 2 | 4 | 1.62 | 1.35 |  |
| 30 P 41217 | 6142 | 4 | 2 | 1.41 | 1.17 |  |
| 30 P 41225 | 6143 | 4 | 3 | 1.41 | 1.17 |  |
| Non-Shorting |  |  |  |  |  |  |
| 30 P 41233 | 5224 | 2 | 4 | 1.62 | 1.35 |  |
| 30 P 41241 | 6242 | 4 | 2 | 1.41 | 1.17 |  |
| 30 P41258 | 6243 | 4 | 3 | 1.41 | 1.17 |  |

## MINIATURE <br> PUSH-BUTTON SWITCHES

Non-locking type, contact made only when depressed. Silver contacts, cadmium plated frame. Mount in Ko" hole on up to $\mathrm{t} / \mathrm{m}^{\prime \prime}$ panels. Mtg, radius $1 \mathrm{Ko}^{\prime \prime}$. Mig. depth $\mathrm{Ko}^{\prime \prime} \min$ to $7 / \mathrm{s}^{\prime \prime}$ max. Circuit codes: $M=$ make, $B=b r e a k$, MBB -make before break, Voltage breakdown 500 V DC. With hardware. Shpg. wt., 3 oz .

| Stock <br> No. | Mfg. <br> No. | Circuit | Net <br> Ea. |
| :---: | :---: | :--- | ---: |
| 30 P 41118 | 1011 | SPST-M | .82 |
| 30 P 41126 | 1012 | SPST-B | .82 |
| 30 P 41134 | 1013 | SPDT | .90 |
| 30 P 41142 | 1014 | DPST-M2 | $\mathbf{1 . 0 3}$ |
| 30 P 41159 | 1015 | OPST-B2 | 1.03 |
| 30. P 41167 | 1016 | DPDT | 1.24 |

## DECADE SWITCHES

Type 154 L resistor switch for simple construction of decade boxes (up to 10 positions). Phenolic insulation. The number of positions is adjustable for use as a single decade or with more switches as a multiple decade. Requires only 4 resistors for full decade operation. Depth behind panel is $1^{\prime \prime}$. Lateral space $2^{\prime \prime}$. Voltage breakdown rating $500 \mathrm{~V} D C$ or $A C$. Shaft $2^{\prime \prime}$ long $x 1 / 4{ }^{\prime \prime}$ diameter. With knob and hardware. Shpg. wt. 502.

| Stock <br> No. | Type | $1-4$ <br> Each | $5-9$ <br> Each |
| :---: | :---: | :---: | ---: |
| 30 P 41274 | 154L | 3.44 | 2.88 |
| Type 389 | Dial Plate for above |  |  |
| 30 P 40839 |  |  |  |

## MINIATURE <br> LEVER SWITCHES

Phenolic type all are single section type Contact rating is $\mathbf{3 5 0}$ MA at $\mathbf{5 0 0}$ volts RMS resistive load. $30^{\circ}$ Indexing. Mig. holes $15 / /^{\prime \prime}$ apart. are positive action and spring return. $\dagger$ are spring returi. Supplied with lever knob. Shpg. wit, 3 oz.

> SHORTING TYPES

| Stock No. | Mir. No. | Clr. | Pos. | $\begin{aligned} & \text { 1-4 } \\ & \text { Ea. } \end{aligned}$ | $\begin{aligned} & \mathbf{5 - 9} \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 41472 | 6M1213 | 2 | 3 | 1.39 | 1.16 |
| 30 P 41498 | 6M1213U* | 2 | 3 | 1.82 | 1.52 |
| 30 P -41506 | 6M1412S $\dagger$ | 4 | 2 | 1.98 | 1.65 |

NON-SHORTING TYPES

| 30 P | 41514 | 6 M 2213 | 2 | 3 | 1.39 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 30 | 1.16 |  |  |  |  |
| 30 | 41522 | $6 \mathrm{M} 2213 \mathrm{~S} \dagger$ | 2 | 3 | 1.58 |
| 30 P | 41530 | $6 \mathrm{M} 2213 \mathrm{U}+2$ | 3 | 1.32 |  |
| 30 P | $\mathbf{4 1 5 4 8}$ | $6 \mathrm{M} 2412 \mathrm{~S} \dagger$ | 4 | 2 | 1.92 |

## MULTIGANG ROTARY <br> SWITCHES

Phenolic wafers. $1 / 2^{\prime \prime}$ spacing between gangs except 3 and 4 gang is $1^{\prime \prime}$. Indexing is $30^{\circ}$. Have 1 fixed and 1 adjustable stop. Voltage breakdown 1000 V AC or DC. Contacting members silver coated $2^{\prime \prime}$ notched shaft requires Kon mig. hole. Types with * have additional off posit ion with all circuits open. With bar knob, nut and lock washer. Avg. shpg. wt., 802.

| $\begin{aligned} & \text { Nom-Sho } \\ & \text { Stock No. } \end{aligned}$ | Mfg. No. | ang | Total Poles | Pos. Per Pole | $\begin{aligned} & \text { NET } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| 30 P 40417 | 1311 L | 1 | 1 | 11 | 2.46 |
| 30 P 40425 | 1315L* |  | 2 | 5 | 2.46 |
| 30 P 40433 | 1313L** | 1 | 3 | 3 | 2.46 |
| 30 P 40441 | 1312L* | 1 | 4 | 2 | 2.46 |
| 30 P 40458 | 1321 L | 2 | 2 | 11 | 3.00 |
| 30 P 40466 | 1325L* | 2 | 4 | 5 | 3.00 |
| 30 P 40482 | 1322L* | 2 | 8 | 2 | 3.00 |
| 30 P 40490 | 13311 | 3 | 3 | 11 | 3.78 |
| 30 P 40508 | 1335L* | 3 | 6 | 5 | 3.78 |
| 30 P 42686 | 1333L* | 3 | 9 | 3 | 3.78 |
| 30 P 42694 | 1332L* | 3 | 12 | 2 | 3.78 |
| 30 P 40516 | 1341 L | 4 | 4 | 11 | 4.45 |
| 30 P 40524 | 1345L* | 4 | 8 | 5 | 4.45 |
| 30 P 42678 | 1342L* | 4 | 16 | 2 | 4.45 |
| 30 P 40532 | 1351L | 5 | 5 | 11 | 4.81 |
| 30 P 40540 | 1356L* | 5 | 10 | 5 | 5.29 |
| 30 P 40557 | 1361L | 6 | 6 | 11 | 5.65 |
| 30 P 40565 | 1366L* | 6 | 12 | 5 | 6.45 |

## UNIVERSAL MOUNTING BRACKET

" $L$ " shape. For rear support
of switches. Sitpg. wt., 2 oz .
of switches. SHpg. wt., 2 oz.
30 P 41100 Type RB254 Net . 05

## MALLORY SINGLE GANG ROTARY SWITCHES

Single gang, phenolic wafer. $11 / 4^{\prime \prime}$ diameter and $30^{\circ}$ indexing except "are $11 / 66^{\prime \prime}$ and have $20^{\circ}$ indexing and adjustable slop. Voltage breakdown 300 VAC or DC. $2^{\prime \prime}$ notched shaft with $3 / /^{\prime \prime}$ threaded bushing, Y/a" long. With bar knob, nut and lockwasher. Shpg, wt.. $50 z$.

| Shorting Stock No. | Type Mfg. No. | Non Shorting |  | Poles | Positions | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 40011 | 31151 | 30 P 40136 | 32151 | 1 | 5 | 1.20 |
| 30 P 40029 | 311121 | 30 P 40144 | 32112J | 1 | 12 | 1.20 |
| 30 P 40037 | 31221 | 30 P 40151 | 3222J | 2 | 2 | 1.20 |
| 30 P 40045 | 3123] | 30 P 40169 | 32231 | 2 | 3 | 1.20 |
| 30 P 40052 | 3126J | 30 P 40177 | 3226J | 2 | 6 | 1.20 |
| 30 P 40060 | 3134J | 30 P 40185 | 3234) | 3 | 4 | 1.24 |
| 30 P 40078 | 3142J | 30 P 40193 | 32421 | 4 | 2 | 1.24 |
| 30 P 40086 | 3143J | 30 P 40201 | 3243J | 4 | 3 | 1.24 |
| 30 P 40110 | 3136J* | 30 P 40235 | 3236J" | 3 | 6 | 1.93 |
| 30 P 40128 | 3163J* | 30 P 40243 | 3263J* | 6 | 3 | 1.93 |

## PHENOLIC MINIATURE ROTARY SWITCHES

Stators and rotors use Richardson $\mathbf{7} 725$ grade phenolic. Has common contact on same side as the switching contacts. Commercial equivalent to MIL-S-3786. Breakdown voltage between contacts, and contacts and frames is 1700 V R.M.S., 60 cycles. Contact rating is 350 MA at 500 volts R.M.S. resistive load. Shaft is $2^{\prime \prime}$ long by $1 / 4^{\prime \prime}$ dia. with $1 / 2^{\prime \prime}$ spacing between wafers. Wafers are $11 / 4^{\prime \prime}$ dla. and $30^{\circ}$ indexing. Overall dia. $1 \%_{6}^{*}$. Supplied with knob, adjustable stop, lock washer and nut. Shpg. wt.. 02.

| $\begin{aligned} & \quad \text { Non-She } \\ & \text { Stock No. } \end{aligned}$ | ing Mfr. No. | Cir. Per Sec. | Sec. | Pos. | $\begin{aligned} & 1-4 \\ & \text { Ea. } \end{aligned}$ | $\begin{aligned} & \text { 5-9 } \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 41720 | 4M21111 | 1 | 1 | 11 | 1.98 | 1.65 |
| 30 P 41738 | 4M2215 | 2 | 1 | 5 | 1.98 | 1.65 |
| 30 P 41746 | 4M21211 | 1 | 2 | 41 | 2.84 | 2.37 |
| 30 P 41787 | 4M2225 | 2 | 2 | 5 | 2.84 | 2.37 |
| 30 P 41803 | 4M21511 | 1 | 5 | 11 | 4.93 | 4.11 |
| 30 P 41811 | 4M2323 | 3 | 2 | 3 | 2.84 | 2.37 |
| 30 P 41837 | 4M21611 | 1 | 6 | 11 | 5.54 | 4.63 |
| 30 P 41852 | 4M2245 | 2 | 4 | 5 | 4.20 | 3.51 |

AC－dC TOGGLE SWITCHES

## LIGHT DUTY－ 3 to 6 AMPS

For use on small motor－driven tools and appliances where a sturdy switch is required．Long life and high arc resistant． 1\％2，dia．threaded stem．Length of stem 3 3z except $+11 / 3$ and＂ $2 / 4$ ．All have solder lug terminals except＂ 6 ＂wire leads $\$$ screw terminals．All 3 amps at 250 V encept $\ddagger 1 \mathrm{amp}$ ． U．L．listed．Avg．shpg．wt．， $3 \mathbf{0 z}$ ．

| Stock No． | Mfr＇s．Type | Con－ tacts | Fis． | $\begin{aligned} & \text { Amos } \\ & 125 \mathrm{~V} \end{aligned}$ | $\begin{gathered} \text { Net } \\ 1-24 \end{gathered}$ | $\begin{aligned} & \text { Each } \\ & 25-49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 P 33026 | 8280－K－14 | SPST | T A | 3 | 77 | 1 |
| 34 P 33034 | $8280 \cdot K 15 \dagger$ | SPST | 1 A | 3 | ． 77 | ． 71 |
| 34 P 33042 | 8280－K16 | SPST | 1 A | 3 | 77 | ． 71 |
| 34 P 33059 | 8282－K13t $\ddagger$ | SPDT | T G | 3 | ． 97 | ． 69 |
| 34 P 33067 | 8282－K14 ${ }^{\text {¢ }}$ | SPDT | T G | 3 | ． 97 | 09 |
| 34 P 33091 | 8290－K15t | SPST | T 8 | 3 | ． 92 | ． 05 |
| 34 P 33109 | 8290－K16\＃ | SPST | T | 3 | ． 92 | 05 |
| 34 P 33117 | 8295－K7t | SPST | C | 3 | ． 92 | ． 85 |
| 34 P 33125 | 8295－K85 | SPST | C | 3 | ． 92 | ． 85 |
| 34 P 33133 | 8360－K6＊ | DPST | T G | 3 | 1.38 | 1.27 |
| 34 P 33141 | 8360－K7 | DPST | G | 3 | 1.38 | 1.27 |
| 34 P 33166 | 8363－K6＊ | DPDT | E | 3 | 1.59 | 1.46 |
| 34 P 33174 | 8363－K7 | DPDT | E | 3 | 1.59 | 1.46 |
| 34 P 33182 | 8363－K8 $\dagger$ | DPDT | E | 3 | 1.59 | 1.46 |
| 34 P 33208 | 8370－K7 | DPST | G | 6 | 1.48 | 1.37 |
| 34 P 33224 | 8372－K78 | DPST | D | 6 | 1.81 | 1.67 |
| 34 P 33257 | 8375－K7\％ | DPDT | D | 6 | 2.19 | 2.02 |
| 34 P 33201 | 8391－K7\＃$\dagger$ | SPST | B | 6 | 1.04 | ． 96 |
| 34 P 33299 | 8391－K8\＃ | SPST | B | 6 | 1.04 | ． 96 |

## AC TOGGLE SWITCHES LIGHT DUTY－ 6 AMPS

For use in radios，appliances and other equipment which use snap action mechanism．All rated 63 mps at 125 V and 3 amps at 250 V ．Center－off dosition．Threaded stems are $11_{2}$ in． dia．，stem length ${ }^{11 / 2 z}$ ．U．L．listed，Avg．shpg．wt．． 3 oz．$t$ indicates serew terminals．$\ddagger$ indicates solder terminals．

| Stock No． | Mfr＇s．Type | Con－ tacts | Pig． | $\begin{gathered} \text { Net } \\ 1-24 \end{gathered}$ | $\begin{aligned} & \text { Each } \\ & 25-49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 P 33430 | 7580－K4＋ | SPST | $\ldots$ | ． 74 | 68 |
| 34 P 33448 | 7580－K6 | SPST | $K$ | ． 64 | ． 59 |
| 34 P 33455 | 7581－K4＊＊ | SPDT | K | ． 85 | ． 78 |
| 34 P 33463 | 7581－K6＊ | SPDT | K | ． 70 | ． 65 |
| 34 P 33513 | 7582－K6 | SPDT | K | ． 70 | ． 65 |
| 34 P 33521 | 7590－K4 | DPST | F | 1.13 | 1.04 |
| 34 P 33539 | 7590－K6才 | DPST | F | ． 82 | 05 |
| 34 P 33547 | 7591－K4＊＊ | DPDT | $F$ | 1.34 | 1.24 |
| 34 P 33554 | 7591－K6t＊ | DPDT | $F$ | 1.04 | ． 96 |
| 34 P 33562 | 7592－K4 | DPDT | $F$ | 1.34 | 1.24 |
| 34 P 33570 | 7592－K6 | DPDT | F | 1.04 | ． 96 |

## ＂ROCKETTE＂SWITCHES

Modern design，dependable，with nylon rocker type actuator．Fast connect $.250^{\prime \prime}$ terminals．Requires $11 / 4 x$ ＂Kis＂hole．U．L．and CSA listed．Shpg．wt．． $30 z$.

| Stack No． | M甭＇s．Type | Amoeres 125 V 250 V Cont． | ${ }_{1-24}^{\text {Net }}$ | $\begin{aligned} & \text { Each } \\ & 25.49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 34 P 34164 | 8134 K 21 A | 63 SPST | ． 66 | 1 |
| 34 P 34107. | 8144 K 20 A 1 | 1510 SPDT | ． 84 | ． 78 |
| 34 P 34115 | $8142 \mathrm{~K} 21 E 6$ | 1510 DPST | 1.15 | 1.06 |

## ON－OFF PLATE FOR TOGGLES

34 P 33935 Shpg．wt．， 3 oz．Net Ea．1－9 ． 06 $10-99 . .05$

LAFAYETTE FOOT SWITCH


The ideal switch for safe，hand free control of bench tools，appllances or other electrical devices．Rated at 10 amps， 125 Volt A C．Merely step on the switch and constant power is supplied untif foot is removed．Sup－ plied 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： $2 \%$＂square $x 1^{\prime \prime \prime}$ high．Imported．Shps．wt． 1 ib． 99 P 80707
．Net Ea， 3.15


STANDARD DUTY－ 10 to 15 AMPS
Slow make，slow break mechanism．All have 15,32 diameter threaded stem．15／32 long except § $11 / 32$ long，and＊center off，all rated 10 amps at 250 V AC and 15 amps at 125 V AC U．L．Iisted．Avg．shpg．Wt．， 4 oz ． 4 Indicates screw terminal \＄indicates solder terminals．


Switches contain heavy parts，larger clearances and higher ratings．Handle large molors and heavier loads．Longer life on lighter loads．All bakelite bodies，screw terminals and quick make and break contacts．11／2 threaded 5 tem 1gs long except＊ 112 stem．U．L．listed．All 10 amps at 250 V except $\ddagger$ 20 amps．Shpg．wh．， 402.

| \＄tock No． | Mfr＇s．Type | Can－ tacts | Fig． | $\begin{aligned} & \text { Amos } \\ & 125 \mathrm{y} \end{aligned}$ | $\begin{aligned} & \text { Net Each } \\ & 1-24 \quad 25-49 \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
| 34 P 33356 | 7360－K7＊ | DPST | H | 20 | 2.45 | 2.26 |
| 34 P 33364 | 7360．K8 | DPST | H | 20 | 2.45 | 2.26 |
| 34 P 33372 | 7361－K5 | SPST | H | 20 | 2.56 | 2.36 |
| 34 P 33405 | 7402－K4\％ | DPST | H | 20 | 3.29 | 3.04 |

## STANDARD DUTY－ 8 to 16 AMPS

Quick make，quick break contact mechanism eliminates pit－ ting caused by high arcing．These long life switches are primarliy designed for use on small moiors and similar equipment．All in bakelite case with screw terminals．11／4 threaded $\operatorname{stem} \times 15 / 32$ long except $+11 / 32$ stem length． U．L．listed．All 8 amp at 250 V and 16 amp at 125 V except $\$ 5$ amps at 250 V ．Ave．shpg．wt．， 3 02．

| Stock No． | Mif＇s．Type | Contacts | F1E． | Amps 125V | $\begin{aligned} & \text { Net } \\ & 1-24 \end{aligned}$ | Each 25－4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 P 33323 | $7320-\times 21$ | DPST | H | 16 | 1.42 | 1.31 |
| 34 P 33943 | 7320－K3 | DPST | H | 16 | 1.42 | 1.31 |
| 34 P 33331 | 7321－K21 | SPST | H | 16 | 1.52 | 1.40 |
| 34 P 33950 | 7321－K3 | SPST | H | 16 | 1.52 | 1.40 |
| 34 P 33349 | 8680－K1才t | DPDT | H | 5 | 4.24 | 3.91 |

## SPST MIDGET SWITCH

Type 8097．K3．Bat handle K ＂＂from end of threaded stem 3 Amps at 125 V AC． .75 at 250 V DC．Screw terminals． Threaded stem dia． $1 / 2$ ，stem length $11 / 2$, Shpg．wt．， 2 oz．

| Stock Mo． | PI．$\quad 1.24$Net Esach <br> $25-48$ |
| :---: | :---: |
| 34 P 33018 | M $\quad .59$ ． 54 |
| SUBMINIATURE SWITCHES |  |
|  | TOGGLE SWITCH Industrial quality，subminia－ ture，D．P．D．T．，AC toggle switch．Rated ot $10 \mathrm{amps}, 125$ volts A．C．Life tested through 100,000 cycles．Contact resistence， 0.01 ohms．Insulation resistance 100 meg－ohms at 500 V．A．C．Maximum breakdown voltage 1000 V．A．C．Body size $1 / 2 \times 1 / 2 \times 1 /{ }_{8}^{\prime \prime}$ ．Bushing Y／aDxS＂Handle $3 / 3^{\prime \prime L}$ ．Behind pariel depth， including lugg， $3 / 4$＂．Includes slip－on insula－ tor for handle，mounting hardware and＂on－ off＂plate．Shpg．wt．， 2 oz． |
|  | 34 P 34180 imported ．．．．．．．．．Net ea． 1.69 Lots of 10 ea． $\qquad$ |
|  | SUEMINIATURE MOMENTARY PUSH－BUTTON SWITCH．All dimensions and specifications exactly the same as above except momentary push－button action．Imported． <br> 34 P 21005 Shpg．wt．， 2 oz．Net ea． 3.20 Lots of 10 ea ． |

# LAFAYETTE T \& L Pads-Faders -Switches 

## STEREO LEVEL

BALANCE
CONTROL

- Dual Concentric 8 ohm L Pads
- Logarithmic Curve

Provides Individual level control for stereo speakers. Varies "brilliance" or "presence" Controls stereo extensions without mismatching. Dual control mounted on concentric shaft. Gold-finished brass plate and attractive black knobs with gold trimming. $L$ pad for 8 ohm circuits. Plate is $21 / \mathrm{s}^{\prime \prime}$ across; overall depth $31 / 4^{\prime \prime}$. Imported. Shpg. wt. 7 oz.

## wt.. 6140

## DELUXE STEREO LEVEL BALANCE CONTROL

- Dual Concentric 8 ohm L Pads
- Logarithmic Curve

Two phone jacks enable you to plug in extension or monitoring speakers from the front. screw terminals in the rear provide for a simple, permanent hookup. Control mounted on concentric shaft. Brushed brass plate with attractive black with gold-trim knobs. Concentric 8 ohm L pads. Use it to control volume on a second set of speakers. Plate is $41 / 2 \times 23 / 4^{\prime \prime}$; from front of knob to plate 1 "; Overali depths 33 e". Imported. Shpg. wt., 10 oz.
99 P 61418 Deluxe Level Control ....Net 4.95

## LAFAYETTE L PADS

L pads for use as "bril. llance" controls to vary tweeter level, or as "presence" controls to vary midrange speaker level. Both wire-wound
 elements are concentrically mounted within one plastic housing. With gold-finished metal escutcheon plate, mig. screws, and attractive black knob. Size: 1\%" dia., 7/8" deep (less shaft), $21 / 2^{\prime \prime}$ deep overall. Im. ported. Shpg. wt., 5 oz.
L pad for 8 ohm circuits.
99 P 61343
.Net 1.99
L pad for 16 ohm circuits.
99 P 61350
.Net 1.99

## LAFAYETTE T PADS

Constant impedance control to adjust speaker volume. With brass satin plate for wall mounting. Impedance, 8 ohms. With all parts and instructions. Imported. Shpg. wt., 9 oz.
99 P 61368 .....................Net 5.70


## LAFAYETTE

REMOTE SPEAKER FADERS

A. Remote Speaker Fader Provides adjustable volume level for Radio, TV, Hi-FI and remote speaker. Gradually increases volume on one speaker while diminishing volume on the other. May also be used to adjust volume for 1 speaker. Gold plate for front panel mounting. With instructions. Imported. Shpg. wt. 302.

## 99 P 61384

Net 99
B. Remote Speaker Fader. Same as above except for wall mounting. Imported. Wt., 402. 99 P 61392

## STEREO RUMBLE FILTER



Filters out turntable vibration and rumblemakes every low-priced turntable and changer quiet and rumble-free. Designed for use with ceramic or magnetic cartridges. 3 -position selector switch-ceramic, magnetic cartridge. off. Just plug it in between car. tridge and amplfier inputs. Overall size: $5 \times$ $25 / 8 \times 5 / 8 \mathrm{~m}$. Imported. Shpg. wt., 14 oz . 99 P 10191

## LAFAYETTE STEREO LEVEL CONTROL

- Logarithmic
- Logarith

Net 2.95


Two precision $8 \cdot 0 h m$ level controls concentrically mounted for stereo. Ideal for controlling individual volume of stereo extension speakers without fear of mismatch or affecting volume of main speakers. Also may be used to vary "brilliance" or "presence," Screw terminals. Handsome cream finish with gold panel plate. Overall size $3 \mathrm{~K}_{\mathrm{t}} \mathrm{Hx}$ $41 / 2 \mathrm{~W} \times 23 / 4$ "D. Imported, Shpg. wt., 10 oz .
99 P 61475
.Net 4.50


- Permits Remote Selection of any 3 Pairs of Speakers
Recommended only for Hi-Fi Systems Using Vacuum Tube Circuitry
(Fig. A) A constant impedance speaker selector swltch for multiple speaker Stereo $\mathrm{Hi}-\mathrm{Fi}$. Selects 3 sets of speakers in any combination. with up to 60 watts of audio power. Mounted on an attractive, gold-finished, steel, electric outlet plate. $23 / 4 \times 41 / 2^{* \prime}$ Imported. Shpg. wt., 8 oz.
Stereo Speaker Selector Switch
99 P 00986
Net 2.09
(Fig. B) As above in enclosed case $2 \mathrm{H} \times 4 \mathrm{~W} \times$ 3"D. Shpg. wt. 10 oz
99 P 01018
.Net 3.19


## VOLUME CONTROL ADAPTER



Built in volume control permits high volume signals to be fed into the high gain input of tape recorders without overloading. Phono jack input to a 2 -conductor standard phone plug output. Completely shielded. Designed for use in unbalanced stereo channels; use in pairs for dual stereo channel control. Imported. Shpg. wt., $4 \mathbf{~ o z}$.
99 P 00994
Net 1.78


STEREO SELECTOR SWITCHES FOR SOLID STATE HI-FI SYSTEMS

Speaker selector switch for solid state stereo systems. Allows choice of one of three pairs of speakers. High quality, non-shorting conlacts capable of handling up to 60 watts audio. Imported. Shpg. wt., 7 oz.
Fig. A Wall Box Selector.
99 P 01745
Fig. B Enclosed Case Selector.
99 P 01752 Net 3.45

## LAFAYETTE MULTIPLE

6 SPEAKER SWITCHES

(A)
(B)

- Recommended only for Hi-fi Systems Using Vacuum Tube Circuitry
Multiple speaker switch Constant im. pedance device for controlling any 6 remote speakers; up to 63 different combinations. Wall mounting with brass plate. With instructions and hardware. Shog. wt., 5 oz .
99 P 00549 Imported. Fig. A
Net 2.95
Multiple Speaker Switch. Identical to above but mounted on flat, gold-embossed plate for mounting on flat panel. $31 / 2 \times 25 / 3^{\prime \prime}$. Imported. Shpg, wt., 4 oz.
.Net 2.57


## LAFAYETTE REMOTE SPEAKER SWITCHES


(Fig. B)
Recommended only for HiFi Systems Using Vacuum Tube Circuitry
(Fig. A) For monaural use. Selects any one of 3 , or any combinatlon of 2 or 3 speakers with up to 60 watts of audio power. A constant impedance device. On gold ifnished steel electric outlet plate with black and ivary hnob. $23 / 4 \times 41 / 2^{\prime \prime \prime}$. Imported. Shpg. wt. 802.

99 P 00531
Net 1.59
(Fig. 日) Same as above in enclosed case $31 / 4 x$ $41 / 2 \times 21 / 6^{\prime \prime}$. Imported. Shpg. wt., 11 oz
99 P 00838 .........................................Net 1.98

## STEREO SPEAKER WALL JACK KIT <br> 175 <br> $-\pi=0$ <br> 

A handsome Ivory-finish wall stereo lack hit designed to be mounted in a standard outlet box. Ideal for remote ampliflers or for added stereo pleasure in the den, play room, etc. Contains two standard $1 / 4^{\prime \prime}$ phone plugs and two standard $1 / 4^{\prime \prime}$ phone jacks. Size: $4 \%$ $\times 2^{11 / 4} 0^{\prime \prime} 1^{\prime \prime}$ back clearance required. Imported. Shpg. wt., 6 oz.
99 P 01364

# Plugs - Jacks - Binding Posts 



## INSULATED PLUGS

Fig. A. Insulated Tip Plug. Heavy duty. Solder type. $1^{\prime \prime}$ handle. $21 / \mathrm{g}^{\prime \prime}$ overall.
32 P 64645 Red $\qquad$ Net Ea. . 17 10 For 1.61 Fig. B. Insulated Solderless Tip Plug. 1" handle. $\mathbf{1 2 K}_{32}$ " length overall.
32 P 64660 Red..
Net Ea. . 17 32 P 64678 Black.

Net Ea. 10 For 1.61
Fig. C. Insulated Short Tip Plug. Solder type.
$1^{\prime \prime}$ handle. $11 / 2^{\prime \prime}$ overall length.
32 P 64686 Red............. if Net Ea. . 13
32 P 64694 Black...........) 10 For 1.23
Fig. D. Insulated Banana Pluk. Spring type. Internal set screw for soldering. $1^{\prime \prime}$ handle.
1'13" length overall. Phosphorbranze.
32 P 64702 Red.
Net Ea. .30 32 P 64710 Black......... 10 For 2.85 Fig. E. Solderless insulated Banana Plug. Spring type. $3^{\prime \prime}$ handle. $1 \% \mathrm{~K}_{0}$ overall.
32 P 64728 Red
Net Ea. . 25
32 P 64736 Black......... 10 For 2.37
Fig. F. Solderless insulated Banana Plug. Split type. $1^{\prime \prime}$ handle. $1 \mathrm{~K}_{6}{ }^{\prime \prime}$ overall.
32 P64744 Red...........) Net Ea. 20
32 P 64751 Black
Net Ea. 20
10 For 1.90
Fig. G. Insulated Banana Plug. Spring type. 1 " handle. $15 /$ an $^{\prime \prime}$ overall. Solder type.
32 P 64769 Red............) Net Ea. 25 32 P 64777 Black........... $\} 10$ For 2.37
Fig. H. Molded Meter Banana Plug.
32 P 64785 Red ........... I Net Ea. .40 32 P 64793 Black........... 10 For 3.80
Fig. J. Molded Meter Tip Plug.
32 P 64801 Red....
Net Ea. 30 32 P 64819 Black........... 10 For 2.85 Fig. K. Insulated Spade Lug. $3 / 4$ " handle. 159" length overall.
32 P 64827 Red.
32 P 64835 Black.
Net Ea. $\quad .18$


No. 210 moulded polystyrene dual binding post with brass nickel plated plugs on $3 / 4$ " centers. Mates with standard binding posts. Polarity indicated on top and side. Wire held by internal set screw. May be stacked. Snpg. wt., 3 oz.
32 P 65048 Black
Net .72
32 P 65055 Red
Net. 72

## SMITH TEST PRODS

Brass, nickel plated plugs mounted in $4^{\circ}$ molded butyrate handies. Shpg. wt., 2 oz .

No. 302 Solderless Test Prod Type
32 P 65063 Red
Net .30
32 P 65071 Black
No, 317 Phono Needle Test Prod 32 P 65089 Red 32 P 65097 Black

## INSULATED JACKS

Fig. L. Phone Tip or Banana Plug. Mounts in $5 / 13^{\prime \prime}$ hole.
32 P 64843 Red... d....... Net Ea. 20 32 P 64850 Black. ...... $\}$ 10 For 1.90
Fig. M. S-way Binding Post. Takes phone tips, banana plugs, spade lugs, alligator clip, wire. All insulated type.
32 P 64868 Red............) Net Ea. 45
32 P 64876 Black......... 10 For 4.27
Fig. N. Nylon All Insulated Tip Jack. $1^{\prime \prime}$ overall. Mounts in 3/6" hole.
32 P 64884 Red.
32 P 64892 Black. $\qquad$ Net Ea. . 20
Fig. P. Insulated Mp Jack $110 \%$ overall length. Mounts in $1 / 50^{\prime \prime}$ hole. 32 P 64900 Red .............. NetEa. . 15 32 P 64918 Black $\qquad$ 10 For 1.42

Fig. Q. Nylon Insulated Tip Jack. With nylon washer. $1^{\prime \prime}$ overall length. Mounts in $5 / 10^{\prime \prime}$ hole.
32 P64926 Red.............) Net ea. . 27 32 P 64934 Black $\qquad$ Net ea. .27

Fig. R. Insulated Banana Jack, $\pi / 32^{\prime \prime}$ over. all length. Mounts in $5 / \mathrm{m}^{\prime \prime}$ hole.
32 P 64942 Red.............. Net Ea. . 15 32 P 64959 Black.......... 10 For 1.42
Fig. S. Instrument Banana Jack. 4/4" overall length. Mounts in $3 / 14$ " hole.
32 P 64967 Red............. Net Ea. . 18 32 P 64975 Black............. 10 For 1.71
Fig. T. Nylon insulated Banana Jack, With nylon washer. Overall length $15 / 10^{\prime \prime}$. Mounts in $3 / 18$ " hole.
32 P64983 Red............. Net Ea. . 25
32 P 64991 Black........... 10 for 2.37

## ULTRA MINIATURE PLUG \& JACK

Plug is $15 /{ }_{0}$ " overall. Pin Dia. $\mathrm{K}_{3} "$. Jack mounts on panels up to $z_{2}$ " thick, Requires $\mathrm{S}_{3}$ " mtg, hole. Ex. tends "ha' behind panel. 3 circuit jack can be used open of closed. Shpg, wt., 2 02. Imported.
99 P63141
...Net . 30

## SMITH <br> "SPEEDI-MOUNT" JACKS

Unusual dished lockwasher permits fast assembly. Teeth embed into jack and panels, prevents pulling out and turning. Mounts in \% $_{0}$ " hole in panels up to $\mathcal{K}_{6}$ " thick. Shpg. wt., $20 z$.
No. 279 Accepts Tip Jacks
32 P 65105 Red
Net .08
32 P 65113 Black
No. 398 Accepts Banana Jacks
$\begin{array}{ll}\text { Net } 33 & 32 \\ \text { Net } .33 & 32 \\ \text { P } 65121 \text { Red } \\ \text { N }\end{array}$
Net 08

## METAL JACKS

Fig. U. Metal Tip Jack. Mounts in $1 / 4$ " hole. 32 P 64371 $\qquad$ Net ea. . 15 10 for 1.35 100 For 12.50 Fig. V. Metal Banana Jack. Mounts in $1 / 4^{*}$ hole.
32 P $64389 \ldots \ldots \ldots \ldots \ldots \ldots$...................... Net ea. 15 10 for $1.35 \ldots \ldots . . . . . . . . . . . .$. Fig. W. Metal Banana Jack Mounts in $1 / 4$ " hole.
32 P 64397 Net ea. .15
10 for 1.35 $\qquad$ 100 For 12.50
Fix. X. Solderless Phone Tip. Sr. $1 \%$ \% long,
32 P 64405. $\qquad$ Net ea, $\quad .15$

## NON-INSULATED PLUGS

Fig. Y. Solderless Phone Tjp. Jr. $\mathbf{1}^{21 / 1 " ~}$ long.

Fig. Z, Banana Plug. Spring type. $1 \% / z^{\prime \prime}$ overall. $6.32 \times 1 / 2^{\prime \prime}$ stud.
32 P 64421 $\qquad$ Net ea, $\quad .25$
100 For 22.00
10 for 2.37 $\qquad$
Fig. AA, Banana Plug. Spring type. Screw in head. $12 \%$ " 12 overall.
32 P $64439 \ldots$ $\qquad$ Net ea.
100 For 22.00
Fig. E8. Banana Plug. Spring type. $1^{3}$ ho" overall. $6.32 \times$ Fa" stud.
32 P 54447
Net ea. 25
10 for 2.37 ....................... $\} 100$ For 22.00
Fig. CC. Banana Plug. Split type, $11 / 4^{\prime \prime}$ overall. $6.32 \times 1 / 2^{\prime \prime}$ stud.
32 P 64454 .................... I Net ea. . 17
10 for 1.61 ........................ $\} 100$ For 15.30


For panels $\lambda_{0} 0^{\circ}$ to $\psi^{\omega}$ thick. Assortment of 10 oleces. 5 Red and 5 Black. Imported. Shpg. wt., 40 2.
99 P 62333 Binding Post Kit Net 1.19


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 too mounting hole. May be mounted in panels from "fo" to $1 / a^{\prime \prime}$ thichness, Sturdlly made with non-removable head piece. Imported. Shpi. wt., 202.

99 P 61202 Black
Net 32
99 P 61210 Red
Net 32

## Plugs - Jacks - Connectors


(B)

## SWITCHCRAFT 3 cONDUCTOR FLAT PHONE PLUGS

$1 / 4$ " flat phone plugs with removable plastic cap for easy connection of wire leads. Ideal for use where space is lim. ited. Tip rods are $1 \mathrm{~K}_{6}$ " long. All metalilic parts are of nickel plated brass. All plugs have screw type terminals except \#238 which is solder type. Shpg. wt.,
302 .

| Stock Ne. | Mfr. Ne. | Fig | Color | Net Each |
| :--- | :---: | :---: | :--- | :---: |
| 34 P 60391 | 230 | A | Black | 1.02 |
| 34 P 60409 | $\mathbf{S . 2 3 0}$ | A | Black | 1.29 |
| 34 P 60417 | 235 | A | Red | 1.02 |
| 34 P60425 | 238 | B | Metal | 1.08 |

## SWITCHCRAFT "LITTEL PLUGS" AND JACKS


"LITTEL.PLUGS" PHONE PLUGS-Compact quality plugs. Fits standard $1 / 4$ " phone facks except " with 206 dlam sleeve and $t$ with short sleeve for Revere recorders. In plastic nandle or with brass nickel plated shells for shlelding. Soider terminal has bullt-in cable clamp. Handle $111_{0}{ }^{\prime \prime}$ long, $1 / 2^{\prime \prime}$ diam. Av. shpg. wt., 3 oz.

| Stock No. | Type | Fig. | Cond. | Handle | Terminals | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 P 60128 | 240 | A | 2 | Black | Screw |  |
| 34 P 60136 | 245 | A | 2 | Red | Screw | . 57 |
| 34 P 60144 | 250 | A | 2 | Black | Solder | . 54 |
| 34 P 60151 | S-250* | A | 2 | Black | Solder | . 57 |
| $34 \mathrm{P}^{\prime} 60169$ | 255 | A | 2 | Red | Solder | . 57 |
| 34 P 60177 | 260 | A | 3 | Black | Screw | . 54 |
| 34 P 60185 | 267 | A | 3 | Black | Solder | . 90 |
| 34 P 60193 | 280 | B | 2 | Metal | Solder | . 78 |
| 34 P 60201 | S-280* | B | 2 | Metal | Solder | . 78 |
| 34 P 60219 | R-280 $\dagger$ | 8 | 2 | Metal | Solder | . 78 |
| 34 P 60227 | 297 | B | 3 | Metal | Solder | . 99 |

"LITTEL-JAX" PHONE JACKS (Fig. C) Accept standard $1 / 4$ " phono plugs, except * with .210" J.D. sleeve and $\dagger$ mates with 480 Mil type "'Littel-Plug." Abbrs.: SCC-single closed ckt; OC-open ckt.
 wt., $20 z$.

| Stock No. | Typa | Schematic Cond. | CKT. | Jan Type | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 P 60235 | 11 | 2 | OC | - | . 33 |
| 34 P 60243 | C-11 | 2 | OC | JJ-034 | . 48 |
| 34 P 60250 | S-11* | 2 | OC | J-034 | . 36 |
| 34 P 60268 | 12A | 112 | SCC | - | . 36 |
| 34 P 60276 | C-12A | 112 | SCC | J. 089 | . 57 |
| 34 P 60284 | 12 B | 111 | OC |  | . 42 |
| 34 P 60292 | C-128 $\dagger$ | $\dagger$ III 3 | OC | J-033 | . 37 |
| 34 P 60300 | 138 | IV 3 | SCC | - | . 60 |

"TINI-PLUGS" SUBMINIATURE PHONE PLUGS. 2-conductor phone plugs for use with "Tinj-Jax." Only $15 \%$ " in length. In plastic or metal shieided handles. Pin Dia, 1/8". Shpg, wt., 20 oz .

| Stock No. | Type | Fig. | Handle | Terminals | Not |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 P 60318 | 740 | A | Black | Screw | . 57 |
| 34 P 60326 | 745 | A | Red | Screw | . 57 |
| 34 P 60334 | 750 | A | Black | Solder | . 5 |
| 34 P 60342 | 755 | A | Red | Solder | .5 |
| 34 P 60359 | 770 | 8 | Metal | Screw | . 7 |
| 34 P 60367 | 780 | B | Metal | Solder | 75 |

"TINI-JAX" SUBMINIATURE PHONE JACKS (Fig, D) 2-conductor lacks for "Tinl-Plugs." Only 21/zz" long. Abbrs.: OC-open Ckt.; CC-closed Ckt. Av. shpg. wi., 202.

| Stock No. | Type | Schematic | CKT. | Net |
| :--- | :--- | :---: | :---: | :---: |
| 34 p 60375 | 41 | 1 | OC | -33 |
| 34 P 60383 | $42 A$ | 11 | CC | .36 |

"TINI-EXTENSION JAX" (FIg. E) An extension or cable jack to mate with "Tini-Plugs". Two conductor with metal housing for ruggedness and electrical shielding. Solder lug terminals. Shpg, wt., 2 oz .

| Stock No. | Type | Fig. | Cond. | Terminals | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $34 P 5045$ | 125 | $E$ | 2 | Solder | .50 |

## SWITCHCRAFT PLUGS AND JACKS



PJ-054B


PJ-055B

## JJ. 026

## MIL TYPE PLUGS AND EXTENSION JACK

All meet industrial and military requirements. Plugs are made to MIL.P.642A Specs. The extension lack type 820 meets MIL-J-641A specs. Best quality material and workmanship assure positlve in. ternal Interlock. Parts will not shift In dosition. Black olastic handle. Extension lack fits type 430 "Littel-Plug". All have screw terminals. Av. shpg. wt., 2 oz.

|  |  | Old |  |  |  |
| :--- | :--- | :---: | :---: | :---: | :---: |
| Stack No. | Type | Cond. S.C. No. Jan. Type | Net Each |  |  |
| 34 P 60086 | 430 | 2 | PL-55 | PJ-054B |  |
| 34 P 60094 | 440 | 2 | PL-55 | PJ-055B | .90 |
| 34 P 60102 | 480 | 3 | PL-68 | PJ-068 | .90 |
| 34 P 60110 | 820 | 2 | JK-26 | JJ-026 | 2.16 |

## SWITCHCRAFT "MICRO PLUGS AND JAX"

(A) A miniaturized 2 -conductor plug for use with eables of up to $1 / \mathrm{u}^{\prime \prime}$ O.D. Nylon Insulation is used between tip and sleeve, Pin Dia, Kz". Shpg, wt., 2 oz.
(B) Ultra-miniaturized fack is designed for above plugs. ©a firl a Features solder lugs and positive tip spring grip.
34 P 60433 (A) Black handle (No. 850) ....................................Net . 51
34 P 60441 (A) Red handle (No, 855) ......................................... 51
34 P 60490 (A) Natural A1. handle (No. 880) ….....................Net . 51
34 P 60508 (B) Jax (No. TR-2A) Shpg. wt., 2 oz.

## SWITCHCRAFT "THICK PANEL JAX"

A long bushing allows mounting in panels of up to $11 / 4^{\prime \prime}$ in thickness with a 15/32" diameter hole. Features shielding and solder terminals. No. 151 is 2 -conductor and mates with 240, 245. 250, 255, 270, and 280 plugs. No. 152 B is 3 -conductor and mates with 260,267, 269, and 297 plugs. Shpg. wt., 302.

## Stock No.

$\qquad$ Description

Net
34 P 60474
Switcheraft No. 151
Switcheraft No. 152 B
.95


## SWITCHCRAFT STEREO "LITTEL-JAX"

A three conductor jack specially designed for switching out speakers when connecting stereo headphones. Recommended for such stereo applications as record players and multipiex tuners. Dual, normally-closed switch contacts, open both stereo circuits independently when a three conductor diug is Inserted. Mounts in single $3 /{ }^{\prime \prime}$ diameter hole. Shpg, wt., 2 oz.
 34 P 60466 $\qquad$ Switchcraft No. 14B $\qquad$ Net 78

## LAFAYETTE STEREO PHONE JACK

For insertion of standard $1 / 4^{\prime \prime}$ Dia, three conductor plug. Will switch out speakers and allow operation of only headphones or extension speakers. Many uses. Imported. Shpg. wt., 202.

## 99 P62739

Net ea. . 65


## EUROPEAN AUDIO CONNECTORS

Made to European DIN engineering specs. Fulty shielded in plastic snap-on shells Will mate with sockets on Noreico, Grundig, Telefunken, Uher, etc. Imported.


3 PIN AUDIO PLUG-Fig. A
34 P 31012 Shpg. wt., 2 oz.
5 PIN AUDIO PLUG-Fig. B
34 P 31020 Shpg. wt., 202.
...........Net 1.05 ${ }_{5} 34$ PIN AUDIO PLUG-FIg. C
...Net 1.05 34 P 31038 Shpg. wt., 2 oz. .Net 1.05


## TELEX MINIATURE

## PHONE PLUG AND JACK

Precision made plugs and jacks. Plug is
$1 /$ ²" $^{\prime \prime}$ long (overail), body Is $1 / 4^{\prime \prime}$ diameter, prod is $1 / 8^{\circ}$ Dia. Jack can be mounted on any panel up to $1 / \mathrm{s}^{\prime \prime}$. Shpg, wt., 2 oz.
32 P 83017 PM-01 Plug
Net .93
TELEX No. JMP-01 Jack (Closed Circuit)
32 P 83025
TELEX No, JMP-02 Jack (Open Circuit)

$$
32 \text { P83033 }
$$

Net .50

To Speed Your Mail Order-Please Give Your Zip Code Number

## LAFAYETTE Plugs And Jacks

STANDARD LAFAYETTE 2CONDUCTOR PHONE PLUGS (A) EqE $\bar{y}$
(c)
(B)


Phone plugs for a wide variety of applica. tlons with choice of handie sizes and materials. All sleeves fit standard $1 / 4^{\prime \prime}$ phone jacks. Avg. shpg. wt., 302.
FIG. A. SLIM PMONE PLUG Smooth bakelite handle. Solder terminals with cable clamp. Imoorted
99 P 62218 $\qquad$ .Net . 32 en. -10 for 2.70 FIG. B. BARAEL PHONE PLUG Ribbed plastic barrel handle. Screw terminals. Imported. 99 P 62234

Net .38 eas. -10 for 3.03 FIG. C. SHIELD SLIM PLUG RIbbed chromed metal handie. Solder terminal with cable clamp. Imported.
99 P 62150
Net . 49 ea. -10 for 4.19 FIG. D. PHONE TO PHONO PLUG ADAPTER. Adapts from standard phone plug to RCA type phono plug. Overall length $27 / 2 x 1 / 2$ " diameter. Imported.
99 P 62168
Net 75

## STANDARD LAFAYETTE PHONE JACKS FOR 1/4" PLUGS



FIG. E. OPEN CIRCUIT JACK Standard open circult phone jack. $3^{\prime \prime}$ bushing, $1 / 2^{\prime \prime}$ long. Complete with mounting hardware. Imported. 99 P 82135 ...........Net. 33 ea - 5 for 1.45 FIG. E. CLOSED CIRCUIT JACK Same as above but closed-circult phone jack. Imported. 99 P 62226

Net . 30 ea. - 5 for 1.29 FIG. F. EXTENSION CABLE JACK Fit standard $1 / 4$ " phone plug. Screw terminals. Barrel plastic handle matches Barrel plug above. Imported. Shpg. wt., 3 oz .
99 P 62143 ............Net .39 ea. - 3 for . 99
PHONO PLUGS AND JACKS


0
(A) Single Prong Shielded Plug-RCA type, used extensively for mike, phono, etc. Shpg. wt. -301 .
32 P 64579
.10 for .56 singly, ea. .07
(B) Phone Jach - Accepts RCA type phono plug. Mounts in rear of panel. Shpg. wt., 302.

32 P 64587
.... 10 for .79 singly. ea. .09 (C) Finger grip plug - Phone plug with tinger grip. Wt., 202
$32 \mathrm{P} 78173 \mathrm{l} . . . . . . .10$ for .90 singly, ea. . 10 (D) Feed Thru - Accepts male phono plug at both ends. Shpg. wt., 3 oz .
32 P 52012
Ea. 49

## LAFAYETTE FLAT PHONE



Two conductor all metal phone plug for standard $1 / 4^{\prime \prime}$ jack, body only \%h2" $_{2}$ thick. Shielding crimps to body, center lead to solder terminal. Imported. Shpg. wt. 202.

99 P 62788
...Net ea. . 43

PHONO PIN JACK 0) SINGLE hole

MOUNTING

RCA type female input jack. Mounts securely in single $1 / 4^{\prime \prime}$ hole by means of locknut on jack. Screws, nuts and washers unnecessary. Imported. Shpg. wt., 3 oz.
99 P 62341
4 for . 88 Singly ea. . 25

## ULTRA MINIATURE PLUG \& JACK

 Jack mounts on panels up to $x_{2}{ }^{\circ}$ thick. Requires $y_{y_{2}^{\prime \prime}}$ mtg. hole. Extends "1/82" behind panel. 3 circuit jack can be used open or closed. Shpg. wt, 2 oz. imported. 99 P 63141

Net 30

## SUB-MINIATURE PLUG ADAPTER

- Provides Extra Earphone Jack for Transistor Radios


## 845

A sub-miniature combination plug and jack designed for most transistor radlos with earphone jacks. Just plug it in and you have 2 jacks for earphones, speakers, etc.-can be used in instruments provided with $1 / \mathbf{s c}^{\prime \prime}$ Dia. earphone jack. Overall size:, $24 / 4 \times 1 / 40 x$ $3 / /^{\prime \prime} \mathrm{D}$. Shpg. wt., 2 oz. Imported.

## 99 P 63109

Net .84

## SUBMINIATURE PHONE PLUG AND JACK



Sub-minlature "phone plug" and jack. Only $\mathrm{I}^{\prime \prime}$ long $x 1 / /^{\prime \prime}$ diameter, overall. Pin Dia. $1 / 0^{\prime \prime}$. Excellent for transistor and subminlature applications. Plug has removable sleeve. Jack can be mounted on panet up to $1 / \mathrm{co}^{\prime \prime}$ thick. Jack can be used for both open and closed circults. Imported. 3 oz.
99 P 52101 Plug
Net 27
99 P 62119 Jack
Net .25


Brass, nickel-plated adapter. Has standard phone jack on one end to take regular phone plug, and RCA-type phono plug on other end. Has threaded bushing with nut and washer so can be panel mounted if desired. im. ported. Shpg. wt., 302.
99 P 62309
Net 87

## HEAVY SHIELDED PHONE

(A) PLUGS AND JACKS
(8)
(A) Sturdy, heavy brass, nickel-plated phone plugs with screw terminal connections. Threaded insulated cable outtet may be removed for larger cables to pass through. Body dia. $3 / 4$ ". Pin Dia. $1 / 4$ "̈, overall length 31/4. Shpp. wt., 3 oz. Imported.
99 P 62291 Plug …....Net es. . 8910 for 5.90
(B) Matching in-line phone Jack, same construction as plug. Overall length $\mathbf{2}^{\prime \prime}$. Imported. 95 P 62203 Jack ........Net ea. . 63 10 for 5.69

## ALL SHIELDED PHONO PLUG AND JACK

(A)
(B)

(A) Removable Shell for easy soldering of wires. Positive ground connection through unique ground lug reduces hum to a minimum. Extra long handie makes removal from amplifier a snap. Completely shielded in bright nickel plate on brass body and shell. Fits all RCA type jacks. 1\%" long. Imported. Shpg. Wt., 202.
99 P 82390
Net 28
(B) Extension Cable Jack for use with above or any other type phono plug. Imported. Shpg. wt., 2 oz.
58 P 62408
Net .25

## 3 CONDUCTOR PHONE <br> (A) PLUG \& JACK (B)


(A) 3 Conductor Phone Plug $1 / 4$ " Dia. Black 8akelite Handle. Solder lugs. Imported. 99 P 61194 Shog. wt., 2 02. ......... Net . 46 (B) 3 Conductor Phone Jack. Open Circult. imported.
99 P 61186 Shpg. wt., 2 oz. ............... Net . 46


A finely built 3 -conductor plug and jack set. Uniquely made so that jack can be used as normally open although one circult may be used as normally closed. Heavy gauge construction. Plug $13 / 8$ " overail. Jack mounts in $\mathrm{s}_{2}$ " hole in panels up to $1 / \mathbf{/ s}^{\prime \prime}$ thick. Pin Dia, Ko". Imported, Shpg. wt., 202.
99 户 63281 ............................................ 72
KIT OF 10 COLOR CODED PHONO PLUGS


Kit contains 10 RCA-type phono plugs in assorted colors-Black, Red, Yellow, Blue, and White. Plastic shell with finger grip. Plugs are semi-solderless type-need only spot solder at tip. Fit standard RCA type phono jacks. Imported. Shpg. wt., 302. 88 P 63273

## DOUBLE PHONO JACK AND PLUG SET

Set consists of two phono male plugs and a dual female socket. Excelient for such dual signal appilications as stereo equlpment. Sturdy solder contacts are used throughout construction. Shpg. wt., 3 oz. 99 P 63307

# (A) 0 . <br> MINI-GATOR CLIP (A) <br> "Cad. plated steel. $\dagger$ Solid copper. Length 1 Kinan $_{2}$, alligator jaws open $\xi_{0}{ }^{\prime \prime}$, +20 or smaller wire. Avg. shpg. wt. 2 oz. 

 Mueller Clips and Insulators

| Stock No. | No. | Each | Lots 10 <br> Each | Lots of 100 <br> Each |
| :---: | :---: | :---: | :---: | :---: |
| 32 P 35009 | $30^{*}$ | .09 | .06 | .053 |
| 32 P 35389 | $30 \mathrm{C} \uparrow$ | .18 | .08 | .065 |
| MICRO-GATOR CLIP (J) |  |  |  |  |

Smallest made alligator clip for use on P.C. boards, tiny terminals, and other crowded spots. *Cad. plated steel. $\dagger$ Solid copper. $\$ 20$ or smaller wire. Avg. shpg. wt., 2 oz.

| Stock No. | No. | Size | Open | Net Each | Lots 10 Each | Lots 100 Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 35330 | 34* | 1/22" | 1/32" | . 07 | . 05 | . 043 |
| 32 P 35348 | 34Ct | 1//2" | \% ${ }^{\text {² }}$ | . 09 | . 06 | . 055 |

Pee-Wee clip for general test purposes. Cad. plated steel except
*C is solid copper. Avg. shpg. wt., 2 oz. ${ }^{*} \mathrm{C}$ is solid copper. Avg. shpg. wt., 2 oz.

| Stock No. | No. | Amp. | Size | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ | Lots 10 Each | Lots 100 Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 35017 | 45 | 5 | $11 / 2^{\prime \prime}$ | . 11 | . 07 | . 064 |
| 32 P 35025 | 45C* | 10 | $11 / 2^{\prime \prime}$ | . 19 | . 13 | . 114 |

Jaws of both ends operate independently. Cad. plated steel $2^{\prime \prime}$ long, faws open $1 / 2^{\prime \prime}$. Shpg. wt., 2 oz .



CROCODILE CLIPS (0)

- Copper, others cad, plated. thas standard phone tip to one jaw. Avg. shpg. wt., 2 oz.

| Stock No. | No. | Size | Conn. | Each | Lots 10 <br> Each | Lots 100 <br> Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 35140 | 85 | $21 / 8^{\prime \prime}$ | Screw | .13 | .09 | .081 |
| 32 P 35157 | $85 \mathrm{C}^{\prime \prime}$ | $21 / 8^{\prime \prime}$ | Screw | .26 | .18 | .153 |
| 32 P 35165 | $85 \mathrm{~T} \dagger$ | $258^{\prime \prime}$ | Tip | .34 | .24 | .205 |

* Copper, others steel. Alligator fit banama plugs. Avg. shpg. wt., 2 oz.

| Stock No. | No. | Size | 0pen | Conn- | Each | $\begin{gathered} \text { Lots } 10 \\ \text { Each } \end{gathered}$ | $\begin{gathered} \text { Lots } 100 \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 35173 | 60 | 2" | K10" | Std. | . 11 | . 07 | . 067 |
| 32 P 35181 | 605 | $2^{\prime \prime}$ | K。" | Screw | . 13 | . 09 | . 077 |
| 32 P 35199 | 60CS* | 2" | K10" | Screw | 19 | . 14 | . 116 |

INSULATEO ALLIGATOR CLIPS (F)
"Copper, others cad. plated steel. Size: $211 / 32$ " screw connections. Avg. shpg, wt., 2 oz.

| Stock No. | No. | Color | Each | $\begin{aligned} & \text { Lots } 10 \\ & \text { Each } \end{aligned}$ | Lots 100 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 35421 | 60HS | Red | . 17 | . 12 | . 104 |
| 32 P 35439 | 60 HS | Black | 17 | . 12 | . 104 |
| 32 P 35447 | 60chS* | Red | 23 | . 16 | . 141 |
| 32 P 35454 | 60CHS* | Black | . 23 | . 16 | . 141 |

BATTERY CLIPS-STEEL ANO COPPER (B)
*Are solid copper, all others are lead plated. Avg. shpg. wt., 8 cz .

| Stock No. | No. | Amp. | Size | Each | Lots 10 Each | $\begin{aligned} & \text { Lots } 100 \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 35066 | 24A | 25 | 27/8" | . 32 | . 23 | . 194 |
| 32 P 35074 | 214 | 50 | $4^{\prime \prime}$ | . 57 | . 40 | . 344 |
| 32 P 35082 | 11 A | 100 | $6^{\prime \prime}$ | 1.56 | 1.09 | . 94 |
| 32 P 35371 | 25C* | 75 | $3^{\prime \prime}$ | . 55 | . 39 | . 33 |
| 32 P 35090 | 21C* | 100 | 41/2" | 1.40 | . 98 | . 84 |
| 32 P 35108 | 11C* | 200 | $6^{\prime \prime}$ | 2.71 | 1.90 | 1.63 |

3.SIDE 0 MESH TEETH CLIPS

All steel, cadmium plated except * is solid copper, $\ddagger$ has insulation piercing needle in jaw. Avg, shpg, wt., 3 oz.

| Stock No. | No. | Amp. | Size | Each | Lots 10 Each | Lots 100 Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 35033 | 488 | 10 | $2{ }^{\prime \prime}$ | . 17 | . 12 | . 10 |
| 32 P 35041 | 48C* | 20 | 2" | . 24 | . 17 | . 142 |
| 32 P 35058 | 50C* $\ddagger$ | 20 | $21 / 4$ " | . 39 | . 27 | . 23 |
| 32 P 35116 | 27 | 20 | 276" | . 20 | . 14 | . 117 |
| 32 P 35124 | 27C* | 40 | 2\%" | . 33 | . 23 | . 197 |


| Stock No. | No. | Color | Each | Lots 10 <br> Each | Lots 100 <br> Each |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 35660 | $63 \dagger$ | Red | .24 | .17 | .145 |
| 32 P 35678 | $63 t$ | Black | .24 | .17 | .145 |
| 32 P 35686 | $63 \mathrm{C}^{*}$ | Red | .29 | .20 | .172 |
| 32 P 35694 | $63 C^{*}$ | Black | .29 | .20 | .172 |

INSULATED ALLIGATOR TEST CLIPS WITH 6 FT. LEAD
Handy for quick connections. Plated brass alligator clip with insulated handles and 6 ft . of No. 22 stranded wire attached. Clip is $11 / 2^{\prime \prime}$ overall. Imported. Shpg. wt., 2 oz. 99 P 62317 Red........... ) Net ea. . 15 99 P 62325 Black.

10 for 1.35


## insulated alligator clip

Sturdy nickel-plated brass jaws with plastic insulated thumb rest and insulated barrel. Strong spring with hard bite. Solder lug connection. Overall length $21 / 2^{\prime \prime}$. Imported. Shpg. wt., 2 oz . Supplied in Red and Black. 99 P 62192 Red

99 P 62200 Black........... $\quad$| Net ea. .13 |
| ---: | :--- | 99 P 62200 Black...

## FAHNESTOCK CLIPS



B
Brass clips that assure good electrical contact without injury to wire. $3 / 0^{" 1}$ wide except " which are $/ \mathrm{K}_{4}$ ". Packages of 10 . Shpg. wt., 4 oz.

| Stock No. | Fig. | Lgth. | Max, Wire | Mtg. Hole | Phg. of 10 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 71010 | 8 | $1 "$ | No. 10 | No. 8 | 30 |
| 32 P 76011 | C | 11/16 | No. 10 | NO. 8 | . 32 |
| 32 P 64595 | A | 17/" | No. 10 | No. 8 | 1.10 |
| 33 P 71028** | 8 | 3/4" | No. 14 | No. 6 | 1.30 |

# Amphenol Microphone and Audio Connectors 



SERIES 75. PRESSURE TYPE - SIMGLE CONTACT
Polished ohrome plated brass fittings with $5 / \mathbf{夕}^{\prime \prime}-27$ thread. wt., 30 oz.

| Stock No. | Type | Fig. | Description | Net Ea. |
| :---: | :---: | :---: | :---: | :---: |
| 32 P 19060 | 75-MCIF |  | Cable plug | . 70 |
| 32 P. 19078 | 75-MC1M |  | Cable jack Fits Above | . 48 |
| 32 P 19086 | 75.PC1M |  | Receptacle, open | . 48 |
| 32 P 19094 | 75-CL.PCIM |  | Receptacle, shorting | . 68 |
| 32 P 19102 | 75-MC1F-A |  | $90^{\circ}$ cable jack | 1.48 |
| 32 P 19110 | 75-MC1P |  | Phone plug Adapter | . 68 |
| 32 P 19144 | 75-3 |  | Min. Locknut receptacle | . 53 |

Polarized microphone connectors for portable equipment. Strain. reileving clamps. *3-contact type. t4-contact type. Shpg. wt., 302.

| Stock No. | Type Fig. | Description | Net Ea. |
| :---: | :---: | :---: | :---: |
| 32 P 19284 | *91-MC3F | Female cable jack | 1.13 |
| 32 P 19292 | -91-PC3F K | Female chassis receptacle | . 80 |
| 32 P 19300 | 91-MC3M L | Male cable plug | 1.11 |
| 32 P 19318 | 191-MC4F J | Female cable jack | 1.17 |
| 32 P 19326 | 191-PC4F K | Female chassis receptacle | . 76 |
| 32 P 19334 | +91-MC4M | Male cable plug | 1.15 |
| 32 P 19342 | *91-MC3F1 L | Female cable plug | 1.18 |
| 32 P 19359 | '91-MC3M1 J | Male cable jack | 1.06 |
| 32 P 19367 | -91-PC3M K | Male receptacle | . 72 |
| 32 P 19375 | †91-MC4F1 L | Female cable plug | 1.23 |
| 32 P 19383 | 191-MC4M1 J | Male cable jack | 1.11 |
| 32 P 19381 | †91-PC4M K | Male receptacle | . 73 |

## "QWIK" SERIES 91. 3- AND 4- CONTACY TYPES

For concentrlc lines, shielded mike cables, etc. Center contacts are pin and sacket type. *Single-contact type. †Double-contact type. Av. shipg. wh., 3 oz .

| Stock No. | Type | Fir. | Description | Net Ea. |
| :---: | :---: | :---: | :---: | :---: |
| 32 P 19169 | 80C | M | Female chassis receptacie | 60 |
| 32 P 19177 | *80M | 1 | Male cable plug | . 76 |
| 32 P 19185 | 180-MC2F | G | Female cable jack | . 85 |
| 32 P 19193 | †80.PC2F | H | Female chassis receptacle | . 68 |
| 32 P 19201 | +80-MC2M | 1 | Male cable plug | . 80 |
| 32 P19219 | -80-F1 | 1 | Female cable plug | . 78 |
| 32 P 19227 | -80-M1 | G | Male cable jack | . 76 |
| 32 P 19235 | * $80-\mathrm{Cl}$ | H | Male receptacle | . 61 |
| 32 P 19243 | 180-MC2F1 | 1 | Female cable plug | . 5 |
| 32 P 19250 | +80.MC2M1 | G | Male cable jack | . 80 |
| 32 P 19258 | 180.PC2M | H | Mase receptacle | . 66 |

75-CCC1-Cap and chain, used for 75 and 80 serles seals open Chassis against dirt and dust. Shpg. wt., 3 oz.

## 9 ea. 3. .47

MINIATURE PLUGS AND SOCKETS

## - <br> MINIATURE SHIELDED CONNECTORS



Molded bakelite cad, plated brass shells, for cables $u$ p to $1 / 4 "$ Dlam. PCG series take $7 / \mathbf{c s}^{\prime \prime}$ hole. Suffix "L" indicates long- $13 / 10$ "; "S ${ }^{\prime \prime}$ indicates short- ${ }^{13}$ is". Slipg. wit. 302 .

| Fig. A - Male |  |  |  |
| :---: | :---: | :---: | :---: |
| Stock No. | Type | Cont. | Net Ea. |
| 32 P 19490 | 91.MPM3L | 3 | 42 |
| 32 P 19508 | 91-MPM3S | 3 | 42 |
| 32 P 19516 | 91.MPM4L | 4 | . 47 |
| 32 P 19524 | 91.MPM4S | 4 | . 47 |
| 32 P 19532 | 91.MPM5L | 5 | . 49 |
| 32 P 19540 | 91-MPM6L | 6 | . 48 |
| Fig. 8 Female |  |  |  |
| 32 P 19557 | 91-MPFJL | 3 | . 51 |
| 32 P 19565 | 91-MPF3S | 3 | . 50 |
| 32 P 19573 | 91-MPF41 | 4 | . .55 |
| 32 P 19581 | 91-MPF4S | 4 | . 53 |
| Fig. C | Chassls Connectors for Above |  |  |


|  |  |  | Net Ea. |
| :--- | :--- | :--- | :---: |
| 32 P 19599 | $78-$ PCG-3 | 3 | .50 |
| 32 P 19607 | 78. PCG-4 | 4 | .59 |
| 32 P 19615 | $78 \cdot$ PCG-5 | 5 | .62 |
| 32 P 19623 | 78 -PCG-6 | 6 | .63 |

## COAXIAL CABLE CONNECTORS


(A) F-59 Connector for use with RG59/U coaxial cable, Complete with ferrule. Package of 5. Snpg. wt. 40 oz .
....Net 1.19
(B) F. 56 Connector for use with RG6/U coaxial cable. Complete with ferrule. Package of 5 . Shpg. Wt., 4 oz .
is P 58117
.Net 1.29

MICROPHONE ACCESSORIES
SWITCHCRAFT MICROPHONE VOLUME CONTROL ADAPTER


SWITCHCRAFT 329

Reduce or increase volume at the mike. For high impedance circuits using shielded single conductor cable only 34 P 60078 Shpg. wt., 2 oz . Net 4.29

AMPHENOL MIKE SWITCH


Attach between male and temale of 75 serles connectors. Push-to-talk with lock. Shipg. wt., 3 oz .
32 P 19948 $\qquad$ Net 2.49

## AMPHENOL " $\gamma$ " CONNECTOR



Has 2 males and 1 female.
33 P 89012 Shpg, wt., 3 oz. Net 1.26 POPULAR MIKE CONNECTORS


Standard single contact, cord mounted. nlckel plated brass, knurl grips, S/8"-27 thread. Shpg. wt., 3 oz.
Female connector Fig. A
32 P 64173
tor Fif. B
32 P 64181 ..Net .39 ..Net . 30

# ROBINS Sockets and Connectors <br> XLP CANNON AUDIO AND ELECTRONIC CONNECTORS 

 locking mated fittings together securely. Interchangeable and mates with Cannon XLR Connectors. Connectors have zinc alloy shell, phenolic insulator, and satin nickel finish. Avg. Shpg. wt., 5 oz .

STRAIGHT CORD PLUGS AND SOCKETS

## Stock No.

Stock No.

|  | Wirs. No. | 1 |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 33 P 29059 | XLP-3-11 | A | 3-Socket | 1,70 |
| 33 P 29067 | XLP-4-11 | A | 4-Socket | 2.12 |
| 33129075 | XLP-3-12 | 8 | 3-Pin | 1.62 |
| 33 P 29083 | XLP-4-12 | $B$ | 4-Pin | 1.97 |
| 33- 29448 | XLP-3-15. | C | 3-Socket, Right Angle | 4.15 |
| 33ip 29455 | XLP-4-15 | C | 4-Socket, Right Angle | 4.50 |



PANEL AND WALL MOUNT RECEPTACLES

Mfr's. No. Fig. Contacts, Type Mount

| Mfr's. No. | Fig. | Contacts, Type Mount | Net Ea |
| :---: | :---: | :---: | :---: |
| XLP-3-13 | 0 | 3-Socket, Wall or Panel | 1.12 |
| XLP-3-14 | E | 3-Pin, Wall or Panel | 1.15 |
| XLP-4-14 | E | 3.Pln, Wall or Panel | 1.50 |
| XLP-3-13N | $F$ | 3-Socket, Panel | 2.49 |
| XLP-3-14N | G | 3-Pin, Panel | 1.80 |
| XLP-3-31 | H | 3-Socket, wall | 1.98 |
| XLP-4.31 | H | 4-Socket, Wall | 2.12 |
| XLP-3-32 | 1 | $3 \cdot \mathrm{Pin}$, Wall or Panel | 1.20 |
| XLP-4.32 | 1 | 4-Pin, Wall or Panel | 1.52 |
| XLP-3-35 | , | 3-Socket, Wall, single gang | 3.84 |
| XLP.3.36 | J | 3-Pin, Wall, single gang | 3.73 |
| XLP-4.36 | 1 | 4-Pin, Wall, single gang | 4.23 |
| XLP-3-35-2G | K | 3-Socket, Wall, two gang | 1.42 |
| XLP.3-36-2G | N | 3.Pin, Wall, two gang | 1.17 |

## AMPHENOL RELAY SOCKETS

 OCTAL TYPE Rugged, melamine sockets with high insulation barriers with long creepage paths. Rated 5 amp. 1250 V RMS. *Has 4 molded-in threaded in-serts for tie points. 103.104 are top mounted, 203 is bottom mounted. Shpg. wt., 4 oz.

|  |  | Met Each |
| :--- | :--- | :---: |
| Stock No. | Mig. Type | $1-49$ |
| 32 P 19045 | $146-103$ | 1.64 |
| 32 P 19912 | $146-104 *$ I | 2.04 |
| 32 F 19920 | $146-203$ | 1.64 |

## AMPHENOL OCTAL SADDLE SOCKET

No. 168-015. Steel mounting plate molded in black bakelite. Uses $1^{\prime \prime}$ mounting hole with 1 Kor $_{6}^{\prime \prime}$ centers. Shpg. wt., 302. 32 P 20951

## AMPHENOL "FLOATING" SOCKET



Type 77-MIPBFK. Octal Socket with live rubber grommets it into mtg. holes for vibra-tion-free operation. Mounts above or below chassis in $136^{\prime \prime}$ dia. holes on $11 / 2^{\prime \prime}$ centers. with ha rdware. Shpg, wt., 3 oz. 32 P 19029

## AMPHENOL "MIP" SOCKETS

Molded high dielectric black phenolic, with molded-In plate for $11 / 2^{\prime \prime}$ mounting centers. T type is mica-fllied. $1 K_{0}{ }^{\prime \prime}$ mounting hole except " $11 / \mathrm{a}^{\prime \prime} \mathrm{mtg}$. hole. $1 \mathrm{~K}_{0}{ }^{\prime \prime} \mathrm{mtg}$. ctis. $\ddagger 1$ so" mtg. hole. $\dagger$ loctal socket. Avg. shpg. wt., 3 oz.

| Stock No. | Mfg. No. | Prongs | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 32 P 20415 | 77-MIP-4 | 4 | 24 |
| 32 P 20423 | 77-MIP-5 | 5 | 27 |
| 32 P 20431 | 77-MIP-6 | 6 | 29 |
| 32 P 20456 | 77-MIP-7S | 75 | . 31 |
| 32 P 20464 | 77-MIP-8 | 8 | . 26 |
| 32 P 20472 | 77-MIP-87 | 8 | 28 |
| 32 P 20480 | 88-8* | 8 | . 29 |
| 32 P 20498 | 88.8x* $\dagger$ | 8 | . 44 |
| 32 P 20506 | 77-M1P-9 | 9 | . 30 |
| 32 P 19052 | 77-M1P-11 | 11 | . 31 |
| 32 P 20522 | 77-M1P-12 | 12 | . 36 |
| 32 P 20530 | 77-MIP-20 $\ddagger$ | 20 | 70 |

AMPHENOL MIN. 7 \& 9 PIN SOCKETS


Amphenol sockets for TV, FM, auto radios, efc. 147 -series mounts on $5 / 8^{\prime 2}$ chassis hole with $7 / \mathrm{a}^{\prime \prime} \mathrm{mtg}$. ctrs. $1 / \mathrm{a}^{\prime \prime}$ screw holes. 59. series mounts in $3 / 4^{\prime \prime \prime}$ hole with $1^{1 / 9^{\prime \prime}}$ mtg. ctrs., $.095^{\prime \prime}$ rlvet holes. \# . $125^{\prime \prime}$ rivet hole. $\ddagger$ Black Bakelite, $\dagger$ Mica-filled bakelite. Avg., 3 oz.

BOTTOM MOUNTING TYPE-FIG, (A)

| Stack No. | Mfg. No. | No. of Cont. | Net Ea. |
| :---: | :---: | :---: | :---: |
| 32 P 20787 | 147-500 | 7 | . 38 |
| 32 P 20795 | 147-505 $\dagger$ | 7 | . 39 |
| 32 P 20803 | 59-4091 | 9 | . 44 |
| 32 P 20811 | 59-410t | 9 | 1.03 |

Socket with tube shield base to fit shields listed below.

| 32 P 20829 | 147-905 $\ddagger$ | 7 | . 46 |
| :---: | :---: | :---: | :---: |
| 32 P 20837 | $147.913+$ | 7 | . 46 |
| 32 P 20845 | 59-403†\# | 9 | . 72 |
| 32 P 20852 | 59.407 t | 9 | . 51 |
| 32 P 20860 | 59-406 $\ddagger$ | 9 | . 53 |
| TUBE SHIELDS_FIG. (C) |  |  |  |
| For 7-Contact Bases. |  |  |  |
| 32 P 20876 | 5-401 | 13/8" | . 21 |
| 32 P 20886 | 5-402 | 13/4" | . 22 |
| For 9-Contact Bases. |  |  |  |
| 32 P 20894 | 5-405 | 11/2" | . 21 |
| 32 P 20902 | 5.408 | 11\%" | . 25 |
| 32 P 20910 | 5-409 | 23/8* | . 31 |

# Sockets, Connectors, Test Adapters 


beau plug connectors


Beauchaine Series 3300 plugs and sockets are relfable, 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

PLUG WITH CLAMP (FIG. A)

| Stock No. | Mfg. No. $\begin{gathered}\text { No. of } \\ \text { Contacts }\end{gathered}$ | $\begin{array}{rl} \text { Net Each } \\ \text { S } 1-24 & 25-49 \\ \hline \end{array}$ |
| :---: | :---: | :---: |
| 34 P 20015 | P-3302-CCT | . $65 \quad .516$ |
| 34 P 20023 | P-3303-CCT | . 68 . 546 |
| 34 P 20031 | P-3304-CCT | . $70 \quad .558$ |
| 34 P 20049 | P-3306-CCT | . 78 . 624 |
| 34 P 20056 | P-3309-CCT | . 83.666 |
| 34 P 20064 | P-3310-CCT 10 | 94 |
| 34 P 20072 | P-3312-CCT 12 | 1.03 . 822 |
| 34 P 20080 | P-3315-CCT 15 | 1.351 .0 |
| P 20098 | -3318-CCT 18 |  |
| ANGLE 8RACKET PLUES (FIG. C) |  |  |

Sock No. of Net Each 34 P 20312 P-3302-AB $\quad$ Conts $1-24 \quad$ 25-49 34 P 20320 P-3303-A 34 P 20338 P-3304-AB 34 P 20346 P-3306-AB 34 P 20353 P-3308-AB 34 P 20367 P-3310-AB $\begin{array}{llllll}34 & \text { P } 20379 & \text { P-3312-AB } & 12 & .58 & .462\end{array}$ 34 P 20387 P-3315-AB $15 \quad .91 \quad .726$ DEEP BRACKET PLUGS (FIG. E)

| Stock No. | Mtg. No. | No. of <br> Contacts | Net <br> $1-24$ | Each <br> $25-49$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 34 | P 20619 | P-3302-DB | 2 | .72 | .576 |
| 34 | P 20627 | P-3303-DB | 3 | .74 | .588 |
| 34 | P 20635 | P-3304-DB | 4 | .75 | .60 |
| 34 | P 20643 | P-3306-DB | 6 | .84 | .672 |
| 34 | P 20650 | P-3308-DB | 8 | .91 | .726 |
| 34 | P 20676 | P-3312-DB | 12 | 1.10 | .882 |
| 34 | P 20684 | P-3315-DB | 15 | 1.34 | 1.074 |
| 34 | P 20692 | P-3318-DB | 18 | 1.61 | 1.29 |

POMONA TEST AOAPTERS


Ideal for in-circuit checking of voltage, re sistance, audio and video from above chassis $\dagger$ for use in sockets having captive shlelds Shpg. wt., 3 oz.

| Stock No. | Type | Pins | Description | Each |
| :---: | :---: | :---: | :---: | :---: |
| 33 P 57019 | TVS. 7 | 7 | Miniature | 1.85 |
| 33 P 57027 | TVS. 8 | 8 | Octal | 2.15 |
| 33 P 57035 | TVS. 9 | 9 | Miniature | 1.95 |
| 33 P 57076 | 1779 | 9 | Novar | 2.25 |
| 33 P 57118 | 2497 | 9 | Magnoval | 2.75 |
| 33 P 57126 | 2610 | 10 | Decal | 2.55 |
| 33 P 57084 | 1710 | 10 | Miniature | 2.95 |
| 33 P 57043 | TVS-12 | 12 | Compactron | 2.55 |
| 33 P 57050 | 1447 | †7 | Miniature | 1.95 |
| 33 P 5706 | 1449 | +9 | Miniature | 2. |

## hORIZONAL OUTPUT COLOR <br> TEST ADAPTERS

For 6JE6, 6KM6. Test adapter with No. 3 Pin interrupted allows you to measure and ad iust the cathode current of output tubes without removing chassis. Shpg. wt., 302 . 33 P 57092

Net 3.75
For 6JS6, 6JM6, similar to unit above, but with number 2 pin interrupted. Wt. 3 oz. 33 P 57100 .......................Net 3.95

over plated steel shell. All hardware is electroplated. Female contacts are cadmium plated phosphor bronze. Male contacts are cadmium plated brass. Contacts rated voltage 750 V RMS and a current capacity of 10 amp . Average shpg. wt. $4 \mathbf{~ o z}$.

SOCKET WITH CLAMP (FIG. B)

| Stock No. | Mfg. No. $\begin{gathered}\text { No. of } \\ \text { Contacts }\end{gathered}$ | $\begin{aligned} & \text { Net } \\ & 1-24 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 25.49 \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 201 | S-3302 | . 67 | . 534 |
| 34 P 20171 | S-3303-CCT | . 69 | 2 |
| 34 P 20189 | S-3304.CCT | 71 | . 564 |
| 4 P 20197 | S-3306-CCT | 80 | 642 |
| 34 P 20205 | S-3308-CCT 8 | 94 | 75 |
| 4 P 20213 | S-3310-CCT 10 | 1.04 | . 828 |
| 34 P 20221 | S-3312-CCT 12 | 1.19 | . 95 |
| 34 P 20239 | S-3315-CCT 15 | 1.49 | 1.194 |
| 34 P 20247 | S-3318-CCT 18 | 1.73 | 1.38 |
| ANGLE BRACKET SOCKETS (FIG. D) |  |  |  |

Stock No Mo. Ne Ne Each
Stock No. Mig. No. Contacts $1.24 \quad 25-49$

| 14 | $P 20460$ | $S-3302-A B$ | 2 | .32 | 252 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 34 | P 20478 | $\mathrm{~S}-3303-\mathrm{AB}$ | 3 | .36 | .288 |

$\begin{array}{llllll}34 & \text { P } 20486 & S-3304-A B & 4 & .37 & .294\end{array}$
$\begin{array}{llllll}34 & P 20494 & S-3306-A B & 6 & .47 & .372 \\ 34 & \text { P } 20502 & S-3308-A B & 8 & .58 & .462\end{array}$
$\begin{array}{llllll}34 & P & 20502 & S-3308-A B & 8 & .58 \\ 34 & P 20510 & 5 & .4310-A B & 10 & .69\end{array}$

$\begin{array}{llllll}34 & P & 20536 & S-3315-A B & 15 & 1.04 \\ 34 & P 20544 & S-3318-A B & 18 & 1.24 & .99\end{array}$
DEEP BRACKET SOCKETS (FIG. न)
Stock No. Mfg. No. Contacts Net Each
Stock No. Mfg. No. Contacts $1.24 \quad 25-49$
34 P 20767 S-3302-DB
34 P 20775 S-3303-DB
S-3303-DB $\quad 3 \quad .78 \quad .624$
$\begin{array}{llllll}34 & P & 20763 & S-3304-D B & 4 & .80 \\ 34 & \text { P } 20791 & \text { S.3306-DB } & 636\end{array}$
$\begin{array}{llllrr}34 & \text { P } 20791 & S-3306-D B & 6 & .89 & .714 \\ 34 & \text { P } 20809 & S-3308-D B & 8 & 1.01 & .804\end{array}$

| 34 | P 20809 | $S-3308-D B$ | 8 | 1.01 | .804 |
| ---: | ---: | ---: | ---: | ---: | ---: |
| 34 | $P 20825$ | $S-3312-D B$ | 12 | 1.27 | 1.014 |

$\begin{array}{llllll}34 & \text { P } 20833 & S-3315-D B & 15 & 1.51 & 1.206\end{array}$
34 P 20841 S-3318-DE $18 \quad 1.76 \quad 1.41$

## 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


MOLDED: New all molded duo-decal socket for std. CRT's. Complete wlth back plate, contacts, hardware. Less leads.
18 P 27138 Shpg. wt., 4 oz. .... Net . 33 Same as above wired for electrostatic and magnetic tubes.
18 P 27153 Shpg. wt., 4 oz .... Net 1.05 $110^{\circ}$ SYIVANIA CRT SOCKET. Wired for easy replacement with 18 inch leads.
18 P 27161 Shpg. wt., 5 oz . ... Net .99 $110^{\circ}$ RCA CRT SOCKET. Wired for easy replacement, with 18 inch leads.
18 P 27179 Shpg. wt., $5 \mathrm{oz} . . .$. Net .75 Color CRT socket, for $70^{\circ}$ color tubes, wired with $18^{\prime \prime}$ leads. Shpg. wt., 7 oz .
18 P 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. Shpg. wt., 9 oz
18 P 27195

SET OF 10 TRANSISTOR SOCKETS


A sel of ten universal transistor sockets at a low Lafayette price. Ideal for experimenters. habbyists and kit builders. For 3-pin transistors in-line or 4 -pin types, size: $3 / 8 \times$ 1/4". Shpg. wt., $20 z$.

## 99 P 62614

.Net . 98

## TRANSISTOR SOCKETS

Minlature transistor sockets of low loss mica filled phenolic. Contacts are of 8eryllium copper, gold flashed over silver plate.


## LOW LOSS TRANSISTOR SOCKETS



For 14 and 16 pin in-line hybrid packages having $100^{\prime \prime} \times .300^{\prime \prime}$ frid spacing. For round or flat pins. Phenollc body. Brass electro. plated contacts. Shpg. wt., 2 oz.

| Stock Mo. | Pins | Body. | Net |  |  |
| :--- | :--- | :--- | :--- | :--- | :---: |
| 32 P 65162 | 14 | P.C. | .50 |  |  |
| 32 P 65170 | 16 | P.C. | .50 |  |  |
|  |  |  |  |  |  |
|  |  | NUVISTOR SOCKETS |  |  |  |

5 and 7 pin sockets for nuvistor tubes. *are general purpose bakelite. $t$ is mica-filled bakelite. Shpg. wt., 2 oz .
33 P 8719B 5 Pin
Net es. 27
33 P 87206 * 7 Pin
Net ea. . 99

## PRINTED CIRCUIT SOCKETS



MOLDED TYPE (A). All molded printed circuit socket. With mounting tabs for in. dividual hole insertion.
33 P 87164 7 Pin
Net .16
33 P 871729 Pin
Net .20
TOP MOUNTING TYPE (B). Molded with tabs for top board mounting.

| 33 P 871237 Pin |
| :--- |
| 33 P 871319 Pin |
| 33 P 87149 octal ......................................... Net 24 |

## test point adapters



FOR BLACK \& WHITE TV TESt socket adapter for black and white CRT's. Permits in-cir cuit checks from readily ac cessible lugs
$110^{\circ}$ test adapter for 8 pin TV picture tubes
33 P 57134 Shpg. wt., 3 oz..... Net 2.95 $110^{\circ}$ test adapter for 7 pin TV picture tubes.
tubes.
33 P 57142 Shpg. wt., 3 oz
Net 2.95

# Transformers-Rectifiers 

## POWER/ISOLATION transformer

- Ideal For Amplifiers, Intercoms and Receivers


Mere is a versatile power transformer that is ideal for experimenters, hobbyists and constructors. Primary 117 volts and secondary 105 volis no-load - 82 volts with 150 ma filament load. Literally hundreds of uses for this versatile unit. Minimizes the danger of shock by isolating circuits from the power
 33 P 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 increasingly popular power transistors. Will also serve as a general replacement for many transistorized auto radios. Rated at 10 watts for push-pull operation. Primary tapped at $8,12,16,24,32$ and 48 ohms. Secondary tapped at 4,8 and 16 ohms. Sizes: $31 / 0 \times 21 / 4 \times 25 / \mathrm{m}_{0}$. Shpg. wt., $23 / 4 \mathrm{lbs}$. 33 P 75011 Type TR 94 ...... Net 4.59


LINE-TO-VOICE COIL TRANSFORMERS 25 VOLT, 16 WATT LINE-TO-VOICE COIL

25 -volt line to voice coil matching transformer. Primary tapped 39, 78, 156, 312, 625, 1250 ohms. Secondary tapped $4,8,16$ ohms. Power tapped 16, 8, 4, 2, 1, 0.5 watts. Primary DC resistance 60 ohms. Secondary DC resistance 1.1 ohms size: $23 / 4 \mathrm{H} \times 31 / 8 \mathrm{BW}$ $21 / 4^{\prime \prime}{ }^{0}$. Mounting Dimension $2 \%_{a}{ }^{\prime \prime} W$. Shpg. wt., $11 / 2$ lbs. $\qquad$ ...Net 6.64

### 70.7 VOLT, 10 WATT LINE-TO-VOICE COIL

70 volt ilne-to-voice coil matching trans. former. Primary tapped $10,5,2.5,1.25$ and .625 watts. Secondary tapped 5,8 and 16 ohms. Size: $2 \times 11 / 2^{\prime \prime}$. Mtg. Centers $23 / \mathrm{m}^{\prime \prime}$. Imported. Shpe. Wh, 3/4 lb.
99 P 62846
.Net 2.29
Lots of 3 Ea., 2.17, Lots of 6 Ea., 1.72

## POWER TRANSFORMER for SELENIUM RECTIFIER CIRCUITS



Most popular replacement power transformer for circuits using selenlum rectifiers or rectifier tubes such as 6 AX5, $6 \times 4,6 \times 5$. Primary is 117 V 60 Hz A.C. Plate supply is $125 \mathrm{VAC} 1 / 2$ wave at 15 ma with 6.3 V 0.6 amp filament winding. Size $2 \times 23 / 4 \times 13 / 8{ }^{\prime \prime}$; mounting centers $2^{\prime \prime}$. Shpg. wt., $3 / 4 \mathrm{dD}$.
33 P 34059
33 P 34059 ...................................... 2.49


## UNIVERSAL POWER TRANSISTOR OUTPUT TRANSFORMER



- Designed for High Output Transistors - Used In Auto Radios PA Systems - Intercoms - 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 resistance 1.1 ohms, secondary 0.3 ohms, Untalanced primary current 500 ma DC. size $1 \%, 617 / 8 \times 1 \% 0^{\prime \prime}$. Shpg. wt., $1 / 4 \mathrm{lb}$. 33 P 8578 Type AR-503 Net 1.95


Rated 2 watts. Frequency response 70 to $20,000 \mathrm{~Hz} \pm 2 \mathrm{db}$. Primary Impedance 100 ohms. Secondary impedance 200 ohms CT. Primary DC resistance 1.8 ohms, secondary 2.7 ohms. Unbalanced primary current, 200
 33 P. 85796

Net 1.65

## 24-YOLT FILAMENT TRANSFORMER



Primary 117-Volt, secondary 24 Volts at 1 amp . Mounting centers $21 / 4^{\prime \prime}$. Size $21 / 4 x$ 17/8×178". Imported. Shipping wt., $13 / 2 \mathrm{lbs}$. 99 P 62683 ...................................Net 2.39

## HIGH DENSITY SELENIUM RECTIFIERS



Repiacements for radios, TV sets, HI-FI etc. 130 VAC inout; 380 max. peak inverse volts. All have solder lugs. Avg. shpg. wt., 4 oz .

| Stock No, | Ma | Net <br> Each |
| :--- | :---: | ---: |
| 33 P 45378 | 0.75 | .70 |
| 33 P 45386 | $75-150$ | .88 |
| 33 P45394 | $150-300$ | 1.12 |
| 33 P 45410 | $400-500$ | 1.40 |
| 33 P 45345 | 750 | $\mathbf{2 . 2 8}$ |



## TRANSISTOR OUTPUT TRANSFORMER

Only 5/6x7/6x11/i". 2000 ohm primary to 10 ohm voice coil. Matches most transistor outputs. Shpe. wt. 3 oz. Imported.
99 P 61012 Net 86

## MODULATION \& AUDIO OUTPUT TRANSFORMER

Subminiature $3 / 4 \times 5 / 8 \times 5 / 8 / \mathrm{H}$. Cen-ter-tapped primary: 2 secondary windings. Impedance: primary500 ohms C.T., secondary - 8 ohms and 3 K ohms. With schematic. Imported. Shpg. wt., 3 oz .
99 P 61327
Net 1.03

## OUTPUT TRANSFORMER



Fig.


Fif. B
$50 L 6$ OUTPUT
Fig. B. Matches SOL6, 35L6, 25L6, etc. to 3.4 ohm voice coil. Size: $11 / 2 \times 11 / 4 \times 11 / 8^{\prime \prime}$ with $13 /{ }^{\prime \prime}$ " mounting ctr. Shpg. wt., 5 oz . 33 P 37011

## UNIVEASAL DUTPUTS

Fig. A. Match any single or push -pull output tubes to any voice coll. Shpg. wt., 3/4 lb.
33 P 750374 -watt .......... Net ea. 2.54
33 P 750458 -watt
Net ea. 3.06


### 6.3 VOLT FILAMENT TRANSFORMER 139

Primary 115 VAC. Secondary 6.3 V . at 1 amp . Size: $13 / 4 \times 11 / 2 \times 11 / 2^{\prime \prime}$ with $21 / 4^{3 \prime}$ mounting ctg. Shpg. wt. 1/2 ib.

## 33 P 37029 <br> SARKES TARZIAN

Net ea. 1.39
 SILICON

## RECTIFIERS



Shpg. wt., 2 oz. Max Max. Input Net Stock No. Fig. Type DC PIV YAC Ea. | 33 P 59098 | A | $F-4$ | 1 | amp. | 400 | 130 | .56 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 33 P 59106 | A | $\mathrm{F}-6$ | 1 amp. | 600 | 195 | .60 |  |



## HOLDERS FOR <br> TYPE M500

3 P 62045 Single Holder
ea. 25
13 P 62052 Dual Holder
ea. .41

# theme The Quality Line of Transistor Transformers <br> - Nickel-Steel Laminations 



- Mylar Outer Wrap
- Wound on Nylon Bobbins
- Color Coded Leads

Efficiently designed to meet the needs of miniaturization and engineered to provide excellent power handling capacity and frequency response with minimum distortion. All are nickel-steel laminations. Applications under "TYPE" shows typical use. U8C is unbalanced current. Many units may be used for other applications as well. Average net weight $11 / 402$. average shpg. wt., 4 oz. MADE IN U.S.A.

| Stock No. | Arg, No. Type | IMPEDANCE |  | UBC* | OC Ohms |  | Overall Size |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Sec . |  |  |  |  |
|  |  | Pri. Ohms | Ohms | OC MA M.W. | Pri. | Sec. |  |
| 33 P 85242 | AR-141 Input | 500,000 | $1,500 \mathrm{CT}$ | T 3.350 | 3600 | 60 | $1^{\prime \prime} \times 3 / 4^{\prime \prime} \times 34^{\prime \prime}$ |
| 33 P 85259 | AR-142 Input | 500.000 | 200 CT | + 3 350 | 3500 | 20 | $1^{\prime \prime} x^{3} / 4{ }^{\prime \prime} \times 3 / 4{ }^{\prime \prime}$ |
| 33 P 85267 | AR-143 input | 250,000 | 200 CT | . 53350 | 3600 | 20 | 1 " $\times 3 / 4$ " $\times 3 / 4$ " |
| 33 P 85275 | 5 AR-144 Input | 200,000 | $1,500 \mathrm{CT}$ | . 5350 | 3000 | 65 | 1 "x $x^{\prime \prime}{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 P 85283 | AR.100 Input | 200,000 | 1.000 | . 5100 | 3850 | 90 | $1^{\prime \prime} \times 3 / 4{ }^{\prime \prime} \times 3 / 4{ }^{\prime \prime}$ |
| 33 P 85291 | AR-126 Input | 150.000 | $1,500 \mathrm{CT}$ | 2. 100 | 3700 | 55 | $1^{\prime \prime} x^{3 / 4 " x} 3 / 4$ " |
| 33 P 85309 | AR-101 Input | 100,000 | 3,000 CT | . 5100 | 3600 | 60 | $1^{\prime \prime} \times 3 / 4{ }^{\prime \prime} x^{3 / 4 / 4}$ |
| 33 P 85317 | AR-145 Input | 100,000 | 2,000 CT | $\begin{array}{ll}.5 & 350\end{array}$ | 3000 | 50 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 P 85325 | AR-102 Input | 100,000 | $1,500 \mathrm{CT}$ | . 5100 | 3600 | 40 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} x^{1 / 4}{ }^{\prime \prime}$ |
| 33 P 85333 | AR-146 Input | 100,000 | 50 | 5350 | 3000 | 1.6 | 1 " $x^{3 / 4}{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 P 85341 | AR-127 Input | 50.000 | 3.000 CT | 1. 100 | 2000 | 50 | $1{ }^{\prime \prime} \times 3 / 4{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 P 85358 | AR-128 Input | 50,000 | $1,500 \mathrm{CT}$ | 2. 100 | 3000 | 50 | $1^{\prime \prime} x^{3 / 4} 4^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 P 85366 | AR-129 Input | 50,000 | 1,000 | 2. 100 | 2500 | 20 | $1 x^{3 / 4}{ }^{17} x^{3 / 4}{ }^{11}$ |
| 33 P 85374 | AR-148 Input | 50.000 | 500 CT | 1. . 175 | 1300 | 20 | 1/4 " $x^{5} / 8^{\prime \prime} x^{5 / 8}{ }^{\prime \prime}$ |
| 33 P 85382 | AR-149 Input | 50,000 | 200 CT | 1. 175 | 1300 | 10 |  |
| 33 P 85390 | AR-147 input | 50,000 | 30 CT | 1. 175 | 1300 | 1.5 | $3 / 4{ }^{\prime \prime} x^{5 / 8}{ }^{\prime \prime} x^{5 / 4}{ }^{\text {a }}$ |
| 33 P 85408 | AR-150 Input | 40.000 | 100 | 1. 175 | 850 | 6 | $3 / 4^{\prime \prime} x^{5 / 8} 8^{\prime \prime} x^{5 / 8} 8^{\prime \prime}$ |
| 33 P 85416 | AR-103 Driver | 20,000 | 2.000 CT | 1. 100 | 400 | 50 | $1^{\prime \prime} x^{3 / 4^{\prime \prime}} x^{3 / 4} 4^{\prime \prime}$ |
| 33 P 85424 | AR-104 Driver | 20,000 | 1.000 | 1. 100 | 400 | 50 |  |
| 33 P 85432 | AR-151 Driver | 20,000 | 800 CT | 1.5175 | 600 | 60 | $3 / 47 x^{5 / 8}{ }^{\prime \prime} \times 5 / 8^{\prime \prime}$ |
| 33 P 85440 | AR-105 Oriver | 20.000 | 400 | 1. 100 | 600 | 30 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} x^{3 / 4} 4^{\prime \prime}$ |
| 33 P 85457 | AR-130 Output | 20,000 | 400 | .5100 | 400 | 0.6 |  |
| 33 P 85465 | AR-131 Output | 20,000 | 3.2 | . 5100 | 400 | 0.3 |  |
| 33 P 85010 | AR-106 Driver | 16,000 | 4.000 | 1. 100 | 620 | 350 | $3 / 4 \text { "x } x / 8^{\prime \prime} \times 5 / 夕^{\prime \prime}$ |
| 33 P 85028 | AR-152 Driver | 15.000 | 200 CT | 1.5175 | 550 | 10 | $3 / 44^{\prime \prime} x^{5 / 8} x^{\prime 5} / 9^{\prime \prime}$ |
| 33 P 85036 | AR-107 Driver | 15,000 | 200 | 1.5250 | 1000 | 20 | $1^{\prime \prime} x^{1 / 4^{\prime \prime}} x^{3 / 4} 4^{\prime \prime}$ |
| 33 | AR-108 Driver | 10,000 | 3.000 CT | 1.5100 | 200 | 100 | $34^{\prime \prime} \times 5.9^{\prime} \times 5$ /8" |
| 33 P 85051 | AR-105 Uriver | 10.000 | 2,000 CT | 1.5100 | 500 | 50 | $34^{\prime \prime} \times 5 / 8^{\prime \prime} \times 5 / 8^{\prime \prime}$ |
| 33 P 85069 | AR-153 Driver | 10,000 | 200 CT | 2. 175 | 400 | 10 |  |
| 33 P 85077 | AR-110 Output | 10,000 | 16 | 2. 150 | 600 | 2.5 | $3 / 4{ }^{\prime \prime} \times 5 / 8{ }^{10} \times 5 / 8^{\prime \prime}$ |
| 33 P 85085 | AR-132 Output | 10,000 | 8 | 1. 100 | 600 | . 6 | 3/4"x59"x5 ${ }^{\text {a }}$ |
| 33 P 85093 | AR-133 Output | 10,000 | 3.2 | 1. 100 | 600 | . 3 |  |
| 33 P 85101 | AR-158 Input | 5.000 CT | 80.000 | 2. 175 | 350 | 1800 | $314{ }^{\prime \prime} \times 5 / 8{ }^{\prime \prime} \times 5 / 8{ }^{\prime \prime}$ |
| 33 P 85119 | AR-157 Input | 5.000 | 45.000 | 2. 175 | 250 | 1600 |  |
| 33 P 85127 | AR-156 Input | 5,000 | 30.000 | 2. 175 | 150 | 1300 |  |
| 33 P 85135 | AR-155 input | 5.000 | 10.000 | 2. 175 | 150 | 450 | $3 / 4 \times 598{ }^{\prime \prime} \times 5 / 80$ |
| 33 P 85143 | AR-154 Input | 5.000 CT | 7.500 CT | 2. 175 | 150 | 400 |  |
| 33 P 85150 | AR-173 Driver | 5,000 | 3,000 CT | 2. 350 | 200 | 90 | $1^{\prime \prime} \times 3 / 4{ }^{\prime \prime} \times 3 / 4$ " |
| 33 P 85168 | AR-111 Output | 5.000 | 100 | 1. 100 | 600 | 10 | $3 / 4{ }^{\prime \prime} \times 9$ 96"x $5 / 8^{\prime \prime}$ |
| 33 P 85176 | AR-134 Output | 4.000 CT | 8 | 4. 250 | 150 | . 8 | $1^{\prime \prime} \times 3 / 4{ }^{\prime \prime} \times 3 / 4{ }^{\prime \prime}$ |
| 33 P 85184 | AR-135 Output | $4,000 \mathrm{CT}$ | 3.2 | 4. 250 | 150 | . 3 | $1{ }^{\prime \prime} \times 1 / 4$ " $\times 3 / 4$ " |
| 33 P 85192 | AR-112 Output | 3.500 | 200 | 1. 150 | 120 | 25 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} x^{3 / 4}{ }^{\text {" }}$ |
| 33 P 85200 | AR-113 Driver | 3.000 CT | 1.000 | 9. 150 | 100 | 60 | $3 / 4{ }^{\text {" }} \times 5 / 8{ }^{\text {" }} \times{ }^{5 / 8 / 8}$ |
| 33 P 85218 | AR-114 Output | 2.500 | 11 | 10. 150 | 50 | 1.1 |  |
| 33 P 85226 | AR-115 Input. | 2,000 CT | $8,000 \mathrm{CT}$ | 2. 150 | 150 | 660 | $1^{\prime \prime} x^{3 / 44^{\prime \prime}} \mathrm{x}^{3 / 4}$ |
| 33 P 85234 | AR-116 Output | 2.000 | 200 | 4. 250 | 120 | 20 | $1{ }^{\prime \prime} x^{3 / 4} 4 \times 3 / /^{\prime \prime}$ |
| 33 P 85473 | AR-175 Driver | 2.000 | 1.500 CT | 2. 350 | 150 | 60 | $1^{\prime \prime} x^{3 / 4} 4^{\prime \prime} \times 3 / 4^{\prime \prime}$ |
| 33 P 85481 | AR-159 Oriver | 1.500 | 500 CT | 4. 175 | 100 | 20 | $3 / 4{ }^{\prime \prime} x^{5 / 8}{ }^{\prime \prime} x^{5 / 8}$ |
| 33 P 85499 | AR-136 Output | $1,000 \mathrm{CT}$ | 100 | 4. 250 | 120 | 10 | $1^{\prime \prime} x^{3 / 4} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 P 85507 | AR-137 Output | 1.000 CT | 8 | 4. 250 | 120 | . 9 | $1 " x 1{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 P 85515 | AR-138 Output | 1.000 CT | 3.2 | 4. 250 | 120 | . 3 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 P 85523 | AR-160 Output | 800 CT | 3.2 | 5. 175 | 40 | . 3 |  |
| 33 P 85531 | AR-162 Output | 500 CT | 500 CT | 5. 350 | 18 | 18 | $1^{1 \prime} \times 3 / 4{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 P 85549 | AR.163 Output | 500 CT | 150 CT | 5. 175 | 18 | 8 |  |
| 33 P 85556 | AR-165 Output | 500 CT | 50 | 5. 175 | 18 | 4 |  |
| 33 P 85564 | AR-118 Output | 500 CT | 16 | 5. 100 | 20 | 1.5 | 3/4"x 5 年"x 5 ¢" |
| 33 P 85572 | AR-164 Output | 500 CT | 8 | 5. 175 | 18 | . 8 |  |
| 33 P 85580 | AR-119 Output | 500 CT | 3.2 | 5. 100 | 20 | . 3 | $3 / 4 /{ }^{\prime \prime} x^{5} 8^{\prime \prime} \times x^{5 / 9}{ }^{\prime \prime}$ |
| 33 P 85598 | AR-166 Output | 400 CT | 16 | 5. 175 | 16 | 1.3 | $3 / 4 /{ }^{\prime \prime} 588^{\prime \prime} \times 5 / 8$ " |
| 33 P 85606 | AR-120 Output | 400 CT | 11 | 1. 150 | 20 | 9 |  |
| 33 P 85614 | AR-167 Output | 400 CT | 8 or 3.2 | 5. 175 | 16 | . 61.3 |  |
| 33 P 85622 | AR-168 Output | 300 CT | 16 | 6. 175 | 12 | 1.4 | $3 / 4{ }^{\prime \prime} x^{5 / 8 / 8}{ }^{\prime \prime} x^{5 / 8}{ }^{\prime \prime}$ |
| 33 P 85630 | AR-121 Output | 300 CT | 3.2 | 6. 150 | 20 | . 25 |  |
| 33 P 85648 | AR-139 Output | 250 CT | 8 | 2. 250 | 15 | 7 | $11^{\prime \prime} x^{3 / 9}{ }^{\prime \prime} x^{3 / 4} 4^{\prime \prime}$ |
| 33 P 85655 | \$ R-122 Output | 250 CT | 3.2 | 2. 150 | 11 | 3 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} \times 3 / 4^{\prime \prime}$ |
| 33 P 85663 | AM.123 Input | 200 | 2,300 CT | 2. 150 | 11 | 50 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 P 85671 | AR-124 Output | 200 CT | 2.16 | 2. 250 | 20 | 1.3 | $3 / 4^{\prime \prime} x^{5 / 4 / 4}{ }^{59 / 4}$ |
| 33 P 85689 | AR.169 Output | 200 CT | 8 or 3.2 | 7. 175 | 9 | .6/.3 | $3 / 4{ }^{\prime \prime} x^{5}+6^{\prime \prime} \times x^{5} 6^{\prime \prime}$ |
| 33 P 85697 | AR-140 Output | 200 CT | 3.2 | 2. 100 | 10 | . 3 | $34^{4 \prime} x^{5} /{ }^{\prime \prime} x^{5} /{ }^{\circ}$ |
| 33 P 85705 | AR-170 Output | 160 CT | 8 or 3.2 | 8. 350 | 10 | .6/. 3 | $1^{\prime \prime} x^{3 / 4} 4^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 P 85713 | AR-176 Output | 125 CT | 8 | 8. 350 |  | . 7 | 1"x ${ }^{1 / 4} \times 3 / 4$ " |
| 33 P 85721 | AR-174 Output | 125 CT | 3.2 | 8. 350 | 6 | 3 | $1^{\prime \prime} \times 3 / 4{ }^{\prime \prime} \times 3 / 4$ " |
| 33 P 85739 | AR-171 Output | 100 CT | 10 CT | 10. 175 |  | 8 | $3 / 4{ }^{\prime \prime} \times 5 / 6{ }^{\prime \prime} \times 5 / 8{ }^{\text {c/ }}$ |
| 33 P 85747 | AR-172 Output | 48 CT | 8 or 3.2 | 15. 350 | 2.3 | .6/. 3 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} x^{7 / 4}$ |
| 13 P 85754 | AR-125 Input |  | 4.000 | 15. 250 | 14 | 50 | $3 / 4{ }^{\prime \prime} x^{5 / 8 " x^{5} / 8^{\prime \prime}}$ |

## Singly EACH



PRICE SCHEDULE Quantity 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

## TERADO Variable VOLTAGE ADJUSTER

\author{

- 300 to 500 Watts <br> - Has Accurate <br> AC Voltmeter <br> - Changes High or Low AC Line to Normal <br> -6.Position Switch
}


The Saturn Voltage Adjuster gives TV lifelike color and improves clarity and brightness by correcting low or high AC line voltages to normal. WIII supply 300 -watts continuous 500 -watts intermittent. Can be installed on television sets in seconds. and the easy-toread highly accurate edgeview voltmeter and 6 -position switch allow the viewer fingertip control of AC line voltage resulting in a clearer, sharper, and fuller picture. It turns "on" and "off" automatically with the equipment. Can also be used with Hi-FI. CB, Ham. etc. equipment. Shpg. wt., 4 lbs
11 P 63286 .............................Net 18.77
LAFAYETTE 500-WATT VARIABLE VOLTAGE CONTROL


- Linear Output from "No-Load" to "Fuli-Load"
- Excellient Regulation-Smooth Control

Precision, toroidal-wound core dellvers full, rated output from 0 to 130 volts. Voltage variation is negliglble from "no-load" to "full-load". Continuous, smooth, well regulated from zero to above input line voltage. Sultable for many industrial and laboratory applications, class room demonstrations, light dimmings, motor control, model railroading and other hobby fields. Measures $51 / 2 \times 51 / 2^{\prime \prime}$ overall. With 2 -cond. outlet (fused at 5 amps.), on-off switch and 6-ft. 2-cond. cord, tabs for bench or wall mounting. Shpg. wt., $8 \frac{1 / 4}{} \mathrm{lbs}$. Imported.
99 P60287
Net 17.75
Replacement 5A fuse for above, (Pkg. 5 fuses)
13 P10184
Net .54

# Transformers-Voltage Regulators 

STANCOR UNIVERSAL OUTPUT TRANSFORMERS
Match single or push pull plates to voice coil. All type A mtg.

| Stock Ho. | Stan. Mo. | Primary | Watts | Size, Inch | $\begin{aligned} & \text { We. } \\ & \text { Lus. } \end{aligned}$ | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P81258 | A3822 | 7.10K | 4 | 13/923/8913/6 | $1 / 2$ | 3.50 |
| 33 P 81274 | A3825 | 1.5-4.5K | 8 | $2 \times 31 / 4 \times 15 / 8$ |  | 4.25 |
| 33 P 81282 | A3830 | 3 -10K CT | 20 | $2^{11 / 4} \times 33^{3} \times 21 / 4$ |  | 6.10 |
| 33 P 81308 | A3849 | 1.5-10K | 10 | 15,8x ${ }^{7 / 7 / 812}$ | 3/4 | 4.90 |
| 33 P 81324 | A3852 | ${ }^{4-14 K} \mathrm{CT}$ | 18 | 25\% $\times 2$ 2\%/8x2 | 174 | 6.40 4.25 |
| 33 P 81332 | A3856 | 4.14K CT | 4 | $13,6 \times 238 \times 13 / 8$ | $13 / 4$ | 4.25 6.35 |
| 33 P 81340 | A3870 | 4-14K CT | 18 | $2 \times 314 \times 2$ | 13/4 | 6.35 |

STANCOR FIXED OUTPUT TRANSFORMERS
All are type A mtg. except * is C. A3337 is type $S$ mtg.

| Stock No. | Stan. No. | Primary | Secondary | Watts | In Mtg. Centers | Wt. Lbs. | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 81381 | A2313 | 7.000 | - | 10 | 21 | $11 / 4$ | . 87 |
| 33 P 81407 | A3311* | 10 KCT | 500/16/8/4 | 25 | 21/4×2 | 33/4 | 0.30 |
| 33 P 81415 | A3327 | 25 K | 4 | 5 |  | 1/2 | 2.60 |
| 33 P 81423 | A3328 | 4,000 | 3.5 3 | 3 3 3 | 13/4 | $1 / 2$ | 2.24 <br> 2.24 |
| 33 P 81431 | A3329 | $\begin{array}{r}8,000 \\ \hline 8000\end{array}$ | 3.5 3.2 | 3 3 3 | 133/4 | 1/2 | 2.24 <br> 2.30 |
| 33 P 81449 | A3332 | 2,000 | 3.2 6.8 | 10 | 13/4 | 11/2 | 2.30 |
| 33 P 81456 | A3337** | ${ }_{6}^{5 K} 600 \mathrm{CT}$ |  | 35 | 21:202\% | 51/2 | 12.3 |
| 33 P 81472 | ${ }_{\text {A }}{ }^{\text {a } 383011^{*}}$ | 6,600 CT 10 KCT | 500/250/15/8/4 | 35 | 2388 | 3/4 | 4.60 |
| 33 P 81480 | A3831 | 10 KCT |  | 5 | 2 |  | 3.52 |
| 33 P 81498 | A3857 | 25 KCT | 4 | 5 | 2 | 1/2 | 2.37 |
| 33 P 81505 | A3876 | 2.000 | 4 | 5 | 2 |  | 2.37 |
| 33 P 81514 | A3877 | 5.000 |  | 5 |  | 1/2 | 2.55 |
| 33 P 81522 | A3878 | 7,000 | 4 | 5 |  | 1/2 | 2.30 |
| 33 P 81530 | A3879 | 10,000 10,000 | 3.4 | 10 | 23/8 | 3/4 | 3.05 |

## STANCOR FILTER CHOKES

All rated 1500 V . ins. except , is 3000 V .2500 V . All type A mtg. except $\ddagger$ are C and $\triangle$ are BH.

| Stock No. | Stan. Ne. | Hys. | Ma | Oh | Size | Wt. Lbs. | Net Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 81597 | C-1003 | 16.0 | 50 | 580 | $2 \times 31 / 4 \times 13 / 4$ | 11/4 | 3.50 |
| 33 P 81605 | C-1080 | 3.5 | 50 | 200 | $15 \mathrm{e} \times 11 / 2 \times 2$ \% | 3/4 | 2.97 |
| 33 P 81621 | C-1279 | 8.5 | 50 | 400 | 15/6x27/6x11/2 | 3/4 | 3.38 |
| 33 P 81539 | c-1325 | 5.0 | 50 | 250 | $15,8 \times 27 / 8 \times 11 / 2$ | $3 / 4$ | 2.97 |
| 33 P 81654 | C-1411** | 4.5 | 200 | 80 | $35 / 8 \times 3 \times 34 / 8$ | 33/4 | 9.00 |
| 33 P 81696 | C-1515 | 20 | 15 | 900 | $15 / 8 \times 27 / 8 \times 11 / 2$ | 3/4 | 3.30 |
| 33 P 81704 | C. 1706 | 4.5 | 50 | 300 | $13 / 6 \times 27 / 6 \times 13 / 8$ | $1 / 2$ | 2.42 |
| 33 P 81712 | C-1707 | 7.0 | 50 | 550 | 13/6x23/6x13/8 | $11 / 2$ | 3.30 |
| 33 P 81738 | C-1709 | 8.0 | 85 | 250 | $2 \times 31 / 4 \times 2$ | $11 / 2$ | 3.42 |
| 33 P 81829 | C-2325 | 2.0 | 200 | 60 | $21 / 4 \times 33 / 4 \times 21 / 4$ |  | 3.98 |
| 33 P 81878 | C-2343 | . 75 | 300 | 32 | $15 / 6 \times 27 / 8 \times 14 / 2$ | 3/4 | 2.50 |
| 33 P 81886 | C-2344 | 1.5 | 10 | 85 | $11 / 4 \times 21 / 8 \times 11 / 8$ | $1 / 2$ | 2.50 |
| 33 P 81940 | C.2685 | 035 | 2 A | 75 | 23/8×25/8×23/4 | 21/4 | 5.75 |

STANCOR LINE TO VOICE COIL TRANSFORMER
All are J type Mtg. except $\uparrow \mathbf{2 5 V}$ Type, $\ddagger 70.7 \mathrm{~V}$ type $\S$ power steps in watts.

| Stock No. | Stan. Me. | Impedance |  |  | Mitg. | Wh. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pri | Sec. | Watts | Ctrs. | Lus. |  |
| 33 P 80050 $33 P 80086$ | $\begin{aligned} & \text { A8101 } \\ & \text { A8103 } \ddagger \end{aligned}$ | $\begin{aligned} & 500 \\ & 16 / 8 / 4 / 2 / 1 / 0.5 \S \end{aligned}$ | $\begin{aligned} & 6.8 / 3.2 \\ & 4 / 8 / 16 \\ & \hline \end{aligned}$ | $\begin{array}{r} 5 \\ 16 \\ \hline \end{array}$ | $\begin{aligned} & 2 \\ & 2130 \end{aligned}$ | $2^{1 / 2}$ | 2.90 7.19 |

## CONTROL/RECTIFIER TRANSFORMERS

Automation-type transformers designed for high speed automatic equipment. Primary 115 or 230 V .50 .60 Hz . Two secondary windings for series or parallel use.

| stock No. | Stancer Nも. | $\begin{aligned} & \text { Mtg. } \\ & \text { Type } \end{aligned}$ | $\begin{gathered} \text { Secondary } \\ \text { Parallel } \quad \text { Series } \end{gathered}$ |  | inches Sizes | Mte. ctrs. | Wh. 2 Lb . | Net Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $33 P 84765$ | P. 8615 | J | 24V.).5A | 48V./.25A | $23 / 4 \times 21310 \times 13 / 4$ | 23/8" | 1 | 5.00 |
| 33P 84773 | P-8616 | J | 24V./1.A | 48V./. 5 A | $23 / 4 \times 31 / 6 \times 2$ | $2^{1} \mathrm{H}$ ¢" | 11/2 | 5.80 |
| 33 P 84781 | P. 8617 | $j$ | 24V./2.A | 48V./1.A | $31 / 8 \times 35 / 8 \times 21 / 4$ | 31/8" | $21 / 2$ | 7.20 |
| 33 P 84799 | P-8618 | BV | 24V.14.A | 48V./2.A | $37 / 4 \times 27 / 8 \times 21 / 10$ | 21/4" | 5 | 12.50 |

# WORLD-WIDE RAZOR-A-DAPTER 

Miniature RAZOR-A-DAPTER converts voltages of between 105 and 230 VAC to 110 VAC, to permit safe use of your electric razor anywhere you travel. Two sets of prongs on the device fit directly into European and Continemtal wall outlets-no external adapters are needed. Your electric razor plugs into the outlet on the bottom of the device. Size: 4H $\times 31 / \mathrm{sW} \times 138$ "D. Shpg. wi. 10 oz . 33 P88139 Net 9.95
 HEAT-A-DAPTER


- Fits All European and Continental Wall Outlets Ideal for Foreign Travel - Lightweight - Only 6 oz. - For Electric Iron, Coffee Pot, Toaster, etc.
Thyristor solid-state voltage and outlet adapter for Amerlcan heating appliances operated abroad. Device tits directly into foreign wall outlets of 110-240VAC. Appliance plugs into bottom of HEAT-A-DAPTER. 1000 watts. Size: $4 \mathrm{H} \times 34 / \mathrm{W} \times 13 / \mathrm{B}^{\prime \prime} \mathrm{D}$. Shpg. wt. 802 33 P 88147 ..................................Net 9.95 Same as above, but 1500 watts. Wt. 8 oz . 33 P88154 ....................................... 12.95
AUTOMATIC TV VOLTAGE REGULATOR $20^{40}$
- Compensates For Low Line Voltage
Model 0-400. 400-watt solid-state automatic voltage regulator. For color or black and white TV. Returns full height and width of TV picture affected by low line voltage. Boosts 10-volts automatically when line is below 110 volts. Increases set sensitivity. Reduces low line hazards. Simple plug-in installation. Turns on and off with the TV set. Wt., 4 los.
32 P40066


## STEP DOWN

AUTO TRANSFORMERS
230 to 115 V . All supplied with $6^{\prime}$ Heavy duty line Cord and bulit in reçeptacle.

| Stock No. | FIg. | Wattage | Primary | Secondary |
| :---: | :---: | :---: | :---: | :---: |
| 33 P 88097 | A | 20 | 230 V | 115 V |
| 33 p 88105 | A | 40 | 230 V | 115 V |
| 33 P 88113 | A | 60 | 230 V | 115 V |
| 33 P 88121 | A | 80 | 230 V | 115 V |
| 33 P 88014 | 8 | 100 | 230 V | 115 V |
| 33 P 88022 | 8 | 150 | 230 V | $\xrightarrow{115 \mathrm{~V}}$ |
| 33 P 88030 | 8 | 250 | 230 V | 115 V |
| 33 P 88048 | B | 350 | 230 V | 115V |
| 33 P 88055 | ${ }^{8}$ | 500 | 230 V 230 V | 115V |
| 33 P 88063 | B | 750 | 230 V 230 V | $\xrightarrow[115 V]{115}$ |
| 33 P 88071 W 33 P 8808 | 8 | 1000 1500 | 230V | 115 V |


$24^{50}$

- Change 220 Volt AC To 110 Volt AC
- Ideal For Traveler

The TERADO TRANS-VERTER is a heavyduty power converter, designed for the traveler or permanent resident. This draveler or changes foreign power to USA power, 220 Volts AC is converted to 110 Volts $A C$. The output is a true sine wave, single phase, and therefore can power any electrical device of up to 1000 watts, including refrigerators and television sets. Comes complete with 3 plugs for all European outlets. Size: $31 / 2 \times 31 / 2 \times 6^{\prime \prime}$. Shpg. $\mathrm{wt}_{4} \mathrm{~K}^{1 / 2 \mathrm{lbS} \text {. }}$ 11 P 63302

## TERADO 1000 WATTS CONVERTER

Net 24.50

## Stancor Transformers

## POWER TRANSFORMERS

All primaries $117 \vee 60 \mathrm{~Hz}$. 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 selenlum or silicon rectifier circuits or tubes such as 6 AX $5,6 \times 4$, $\mathbf{6 X 5}$, etc. † Plate V. not center tapped. For half wave circuits. For full wave C.T. circuits.


| Stock No. | Stan No. | VCT | MA | 5 V Amp | $\begin{aligned} & 6.3 \mathrm{~V} \\ & \mathrm{amp} \end{aligned}$ | $12.6 \mathrm{~V}$ AMP | Size | Mtg. <br> Type | Wt. lbs. | Net <br> Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 80946* | PS-8415 | 125† $\ddagger$ | 15 | - | 0.6 |  | 2x23/8×17/6 | S | 7/4 | 3.84 |
| 33 P 84633 | P8624 | $125+$ | 15 | - | 0. | 0.3 | 1\% $6 \times 236 \times 15 / 8$ | S | $1^{44}$ | 3.64 |
| 33 P 84641 | P8626 | 125 + | 50 | - | - | 0.1 | 2\% $\times 31 \% \times 21 / 8$ | A | 11/2 | 5.69 |
| 33 P 84658 | P8627 | 150 | 25 | - |  | 0.3 | $2 \times 27 / 1314$ | VE | 1/2 | 5.37 |
| 33 P80953* | PA.8421 | $125 \dagger \ddagger$ | 50 | - | 2.0 | 0.3 | $21 / 4 \times 33 / 4 \times 21 / 8$ | A | 2 | 5.69 |
| 33 P 80961* | PS.8416 | $250 \%$ | 25 | - | 1.0 | 5 | $2510 \times 27 / 8 \times 13 / 4$ | S | $11 / 2$ | 4.66 |
| 33 P 84666 | P8625 | $250 *$ | 25 | - | 1.0 | 0.5 |  | S | 172 | 4.66 |
| 33 P 80979* | PC-8418 | 4607 | 50 | - | 2.5 | - | $31 / 825 / 8 \times 25 / 6$ | C | 21/2 | 7.00 |
| 33 P 81027 | PM.8402 | 480 | 55 | 2.0 | 2.0 | - | 23/4x21/253 | M | 23/4 | 9.20 |
| $33 \mathrm{P} 81050^{\circ}$ | ${ }^{*} \mathrm{PC}-8419$ | 4807 | 70 | $\cdots$ | 3.0 | - | $27 / 8 \times 21 / 2 \times 3$ | C | 3 | 8.94 |
| 33 P 81134 | PC-8405 | 540 | 120 | 3.0 | 3.5 | - | $4 \times 31 / 4 \times 31 / 2$ | C | $53 / 4$ | 12.46 |
| $33 P 80722$ $33-80763$ | PC-8407 PC-8409 | 650 | 55 | 2.0 | 2.0 | $\square$ | $3{ }^{10} 625 / 6 \times 31 / 8$ | C | $34 / 2$ | $\begin{array}{r}9.20 \\ \hline 12.50\end{array}$ |
| 33 P 80763 <br> 33 P <br> 10821 | PC-8409 | 700 | 900 | 2.0 | 3.0 | $\cdots$ | $35 / 8 \times 3 \times 358$ | C | 43/4 | 12.50 |
| $33 \% 80821$ | PC-8412 | 800 | 200 | 3.0 | 5.0 | - | $47 / 4 \times 4 \times 4$ | C | 91/4 | 17.35 |
| 33 P 80839 | PC-8414 | 1200 | 200 | 3.0 | 3.0 | - | $41 / 16 \times 33 / 4 \times 4$ | C | 101/2 | 22.88 |

## FILAMENT/CONTROL/RECTIFIER TRANSFORMERS

All-primaries are 117 volt $50-60 \mathrm{~Hz}$ AC except $\dagger$ which have a $117 / 107 \mathrm{~V}$ and \# which have 230 V .50 .60 Hz



$$
\text { puli output. Ratio is pri. to } 1 / 2 \mathrm{sec} \text {. }
$$

| Stock No. | Stan. No. | $\begin{aligned} & \text { Max MA } \\ & \text { Pri. DC } \end{aligned}$ | Pri. Ohms | Ratio** | Size | Shpg. WE | Net Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 81217 | A. 4713 | 30 | 10,000 | 2:1 | 15/6x27/0x12/2 | 1 | 8.02 |
| $33 \mathrm{P} \mathbf{1 2 2 5}$ | A-4723 | 30 | 10,000 | $3: 1$ | $15 / 8 \times 27 / 6 \times 11 / 2$ | $3 / 4$ | 3.71 |

## ISOLATION TRANSFORMERS

All have 1500 V Insul. $\dagger$ Pri, tapped for 125,115 and 105 V with 115 V . Sec. 117. Pri. and tapped sec. with sockets for 105,115 and 125 V . $\ddagger 115 \mathrm{~V}$ Pri. to 115 V sec.


| Stock No. | Stan. No. | Fig. | Size | Watts | Wt. Lbs. | Net Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 84807 | P6413 | A | $11 / 4 \times 21 / 8 \times 11 / 4$ | 0.6 | 1/4 | 2.40 |
| 33 P 82413 | P-6410 $\ddagger$ | K |  | 50 | 1/4 | 11.61 |
| 33 P 82421 | P-6415* | KC | $57 / 8 \times 41 / 2 \times 53 / 4^{\prime \prime}$ | 350 | 183/4 | 38.20 |

## CONTROL/RECTIFIER TRANSFORMERS

Automation-type transiormer designed for high speed automatic equip. Adapted to relays and pilot lamps. Two secondary windings permit series or parallel operation. Primary 115 or $230 \mathrm{~V} 50-60 \mathrm{~Hz}$.

| Stock No. |  | Mir. No. | Fig. | Secondary |  | Size | Mte. Ctr. | W. Les. Net Ea. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Parallel |  | Series |  |  |  |  |
| 33 P | P 84815 |  | P. 6375 | J | ${ }^{6 \mathrm{bV}}$ at 2A | 12 V at 1 A | $23.6 \times 27 / 8 \times 156^{\prime \prime}$ | 2 |  |  |
| 33P | P 82454 | P-6377 | J | 12 Vat 4 A | 24 Vat 2 A | $31 / 4 \times 59 \times \times 27$ | 31/8" | 23/4 | 6.80 |
| 33P | P 82462 | P. 6378 | BV | 12 V at 8A | 24 V at 4A | $31 / 2 \times 27 / 8 \times 3^{\prime \prime}$ | $21 / 4 \times 214^{\prime \prime}$ | $43 / 2$ | 11.90 |

MINIATURIZED CONTROL/RECTIFIER TRANSFORMERS
Primary 230 V ., $50-60 \mathrm{~Hz}$.; Secondary 24V. CT Except * Is 36 V . CT

| Stock No. | Stan No. | Rms | Full-wave | Bridge | $\begin{aligned} & \text { Mtg } \\ & \text { Type } \end{aligned}$ | Size | Wt. lbs | Net Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 84732 | P-8720 | . 085 | .1350C | .0650C | A | 21/6x11/2x11/4 | 1/2 | 3.38 |
| 33 P 64740 | P-8722 | . 400 | . 5500 C | . 2700 C | A | $27 / 6 \times 11 / 2 \times 15 / 8$ | 1/2 | 3.55 |
| 33 P 84757 | P-8728* | . 065 | .0750C | . 0450 C | A | $21 / 8 \times 11 / 4 \times 11 / 4$ | $1 / 4$ | 2.85 |

## RECTIFIER TRANSFORMERS

Designed to operate in full-wave center-tapped or bridge type circuits. Each transformer has a tapped primary and a tapped additionat winding permitting a wide range of output voltages. Al are BV mitg. type. Primaries are for $117 \mathrm{~V} 50 / 60 \mathrm{~Hz} \mathrm{AC}$ operation. Supplied with wiring chart.

| Stock No. | Stan. No. | Range of AV volts | Max. D.C. Resistlve | Output Lead Capacitive | Size | Wt. 145. | Net En. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 82306 | RT-201 | $\begin{aligned} & 11.7 \text { to } 29.4 \\ & 11.1 \text { to } 28.5 \end{aligned}$ | $\begin{aligned} & 11.2 \mathrm{~V} \text { at } 2.0 \mathrm{~A} \\ & 23.0 \mathrm{~V} \text { at } 1.25 \mathrm{~A} \end{aligned}$ | $\begin{aligned} & 13.8 \mathrm{~V} \text { at } 2.0 \mathrm{~A} \\ & 30.0 \mathrm{~V} \text { at } 1.25 \mathrm{~A} \end{aligned}$ | $31 / 8 \times 2^{1 / 10} \times 2^{1 / 2}$ | $41 / 2$ | 7.80 |
| 33 P 82322 | RT-204 | $\begin{aligned} & 11.7 \text { to } 29.2 \\ & 11.6 \text { to } 29.2 \end{aligned}$ | $\begin{aligned} & 12.0 \mathrm{~V} \text { at } 8.0 \mathrm{~A} \\ & 24.0 \mathrm{~V} \text { at } 4.0 \mathrm{~A} \end{aligned}$ | $\begin{aligned} & 14.5 \text { at } 8.0 \mathrm{~A} \\ & 32.4 \mathrm{~V} \text { at } 4.0 \mathrm{~A} \end{aligned}$ | $311 / 10 \times 3 \% \times 31 / 8$ | 712 | 14.60 |

# Power Resistors-Variable Transformers 

## IRC PW-10 POWER RESISTORS

10 Watt wire wound resistors with axial leads. Rectangular ceramic body. 10\% tolerance. Body size $17 / 8^{\prime \prime}$ Long $x 3 / s^{\prime \prime}$ square.

| Stock No. | Ohms | Stock No. | Ohms | Stack No. | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 46004 | 1 | 33 P 46202 | 300 | 33 P 46392 | 00 |
| 33 P 46012 | 2 | 33 P 46210 | 350 | 33 P 46400 | 3500 |
| 33 P 46020 | 3 | 33 P 46228 | 400 | 33 P 46418 | 3900 |
| 33 P 46038 | 4 | 33 P 46236 | 500 | 33 P 46425 | 4000 |
| 33 P 46046 | 5 | 33 P 46244 | 600 | 33 P 46434 | 4500 |
| 33 P 46053 | 7.5 | 33 P 46251 | 700 | 33 P 46442 | 5000 |
| 33 P 46061 | 10 | 33 P 46269 | 750 | 33 P 46459 | 6000 |
| 33 P 46079 | 15 | 33 P 46277 | 800 | 33 P 46467 | 00 |
| 33 P 46087 | 20 | 33 P 46285 | 820 | 33 P 46475 | 7500 |
| 33 P 46095 | 25 | 33 P 46293 | 900 | 33 P 46483 | 8000 |
| 33 P 46103 | 30 | 33 P 46301 | 1000 | 33 P 46491 | 8200 |
| 33 P 46111 | 40 | 33 P 46319 | 1200 | 33 P 46509 | 8500 |
| 33 P 46129 | 50 | 33 P 46327 | 1250 | 33 P 46517 | 9000 |
| 33 P 46137 | 75 | 33 P 46335 | 1500 | 33 P 46525 | 10K |
| 33 P 46145 | 100 | 33 P 46343 | 1750 | 33 P 46533 | 12K |
| 33 P 46152 | 120 | 33 P 46350 | 2000 | 33 P 46541 | 12.5K |
| 33 P 46160 | 125 | 33 P 46368 | 2250 | 33 P 46558 | 15K |
| 33 P 46176 | 150 | 33 P 46376 | 2500 | 33 P 46566 | 20K |
| 33 P 46186 | 200 | 33 P 46384 | 3000 | 33 P 46574 | 25K |
| 33 P 46194 | 250 |  |  |  |  |
| Shipping wt., | 2 oz . |  |  |  | ea. 3 |

## MALLORY FIXED POWER RESISTORS

Finest quality wirewounds on ceramic cores with vitreous enamel covering. Give full wattage dissipation. Tolerance $+5 \%$ on all values above 10 -ohms, other $\pm 10 \%$. All types have lug terminals and mounting feet. Lugs and leads are firmiy embedded. Size: K' dia، $\times 2$ " long. Shpg. wt., 4 oz .

TYPE 2.5HJ-25 WATT FIXED

| Stock No. | Onms | Net Ea. | Stock No. | Ohms | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 53683 | 1 | . 75 | 30 P 53840 | 1000 | . 75 |
| 30 P 53691 | 2 | . 75 | 30 P 53857 | 1500 | . 78 |
| 30 P 53709 | 3 | . 75 | 30 P 53865 | 2000 | . 78 |
| 30 P 53717 | 5 | . 75 | 30 P 53873 | 2500 | . 78 |
| 30 P 53725 | 7.5 | . 75 | 30 P 53899 | 3500 | . 78 |
| 30 P 53733 | 10 | . 75 | 30 P 53915 | 5000 | . 78 |
| 30 P 53741 | 15 | . 75 | 30 P 53949 | 10K | . 93 |
| 30 P 53758 | 25 | . 75 | 33 P 53956 | 12.5K | . 98 |
| 30 P 53766 | 50 | . 75 | 30 P 53964 | 15K | . 98 |
| 30 P 53782 | 100 | . 75 | 30 P 53972 | 20 K | . 98 |
| 30 P 53808 | 200 | . 75 | 30 P 53980 | 25K | 1.03 |
| 30 P 53816 | 250 | . 75 | 30 P 54004 | 40K | 1.03 |
| 30 P 53824 | 500 | . 75 | 30 P 54012 | 50K | 1.29 |
| 30 P 53832. | 750 | . 75 | 30 P 54038 | 100K | 1.67 |



Le POWER RESISTORS
Same ilne quality and construction as the flxed types, but with an exposed section of winding to provide tapping-olf of reslistance values from 0 to the max. value of the resistor. All with lug terminals, tolerance $\pm 10 \%$, each supplied with 2 mig . feet and one adjustable cilp. Type 2 AV
 Type 10AV $3 / 4^{" 1}$ dia. x $642^{\prime \prime}$ long, wt., 7 oz .

## TYPE 2AV-25 WATT ADJUSTABLE

| Stock No. | Ohms | Net Ea. | Stock No. | Ohms | Net Ex. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 4148 | 1 | 1.34 | 30 P 43288 | 500 | 134 |
| 30 P 43155 | 3 | 1.34 | 30 P 43304 | 1000 | 1.34 |
| 30 P 43163 | 5 | 1.34 | 30 P 43320 | 1500 | 1.39 |
| 30 P 43171 | 10 | 1.34 | 30 P 43338 | 2000 | 1.39 |
| 30 P 43189 | 15 | 1.34 | 30 P 43346 | 2500 | 1.39 |
| 30 P 43197 | 25 | 1.34 | 30 P 43387 | 5000 | 1.39 |
| 30 P 43205 | 50 | 1.34 | 30 P 43395 | 6000 | 1.49 |
| 30943221 | 100 | 1.34 | 30 P 43403 | 7500 | 1.49 |
| 30 P 43239 | 150 | 1.34 | 30 P 43411 | 10K | 1.49 |
| 30 P 43247 | 200 | 1.34 | 30 P 43429 | 12K | 1.55 |
| 30 P 43254 | 250 | 1.34 | 30 P 43437 | 15K | 1.55 |
| 30 P 43262 | 300 | 1.34 | 30 P 43445 | 20K | 1.55 |
| 30 P 43270 | 400 | 1.34 |  |  |  |

TYPE 5AV-50 WATT ADJUSTABLE

| 30 P 43460 | 1 | 2.32 | 30 P 43577 | 400 | 1.81 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 43478 | 2 | 2.32 | 30 P 43585 | 500 | 1.81 |
| 30 P 43486 | 5 | 2.32 | 30 P 43601 | 1000 | 1.81 |
| 30 P 43494 | 10 | 1.81 | 30 P 43619 | 1500 | 1.86 |
| 30 P 43502 | 25 | 1.81 | 30 P 43635 | 2500 | 1.86 |
| 30 P 43510 | 50 | 1.81 | 30 P 43668 | 5000 | 1.86 |
| 30 P 43528 | 75 | 1.81 | 30 P 43684 | 10K | 1.91 |
| 30 P 43536 | 100 | 1.81 | 30 P 43700 | 20K | 2.01 |
| 30 P 43551 | 200 | 1.81 | 30 P 43718 | 25K | 2.21 |
| 30 P 43569 | 250 | 1.81 | 30 P 43742 | 50K | 2.42 |


| TYPE 10AV-100 WATT ADJUSTABLE |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 44021 | 1 | 2.28 | 30 P 44146 | - 500 | 2.28 |
| 30 P 44039 | 2 | 2.28 | 30 P 44153 | 750 | 2.28 |
| 30 P 44047 | 5 | 2.28 | 30 P 44161 | 1000 | 2.28 |
| 30 P 44054 | 10 | 2.28 | 30 P 44187 | 2000 | 2.34 |
| 30 P 44062 | 25 | 2.28 | 30 P 44203 | 3000 | 2.34 |
| 30 P 44070 | 50 | 2.28 | 30 P 44245 | 5 10K | 2.49 |
| 30 P 44088 | 100 | 2.28 | 30 P 44252 | 215 K | 2.62 |
| 30 P 44096 | 150 | 2.28 | 30 P 44278 | - 25 K | 2.90 |
| 30 P 44104 | 200 | 2.28 | 30 P 44310 | - 50K | 3.24 |
| Extra Feet |  |  |  | Extra Stiders |  |
| Stock No. | Net ea. | For tuse with |  | Stock No. | Net $\mathbf{a s}$. |
| 30 P 48352 | . 06 | 25 and | 50 Watt | 30 P 49087 | . 18 |
| 30 P 48360 | . 10 | 100 | Watt | 30 P 49095 | . 18 |

## STACO INC. VARIABLE AUTO-TRANSFORMERS


(

(C)
(0)
(H)

one turn of wire, $\ddagger$ Deluxe types have circuit breaker, pllot light, banana jacks, on off switch and 3 prong plug and receptacle. "Bench types are fused with pilot light \& switch.

Made of 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

Wgt. Net
Stock No. Mtg. No. Fig. Volts Hz Volts Amps Description Lize Net
33 P 70343 Mig.

33 P 70335 171
33 P 70327 33 P 70319501 33 P $70301 \quad 1010$ 33 P 70293X 1510 33 P 70277X 1520 33 P 70265 2PF171* 33 P 7025 2PF501* 33 P70244 3PN501* 33 P 70236 2PF1010* 33 P 70228 3PN1010* 33 P $70210 \times 3$ PN $1510^{*}$ 33 P 70210X 3PN1510* $\begin{array}{ll}33 \text { P } 70350 & 2 P F 1010 V \\ 33 \text { P } 70368 & 3 P F 1010 V\end{array}$ 33 P 70376 3PF1020V 33 P 70194W EJ401V $\ddagger$.

Fig. Volts Hz Volts Amps
1.75 Dercription 2.50 For Mounting in Panels up to $1 / 4^{\circ}$ 2.50 For Mounting in Panels up to $1 / 2$ " 3.75 For Mounting in Panels up to $1 / 2^{\prime \prime}$ 5.00 For Mounting in Panels up to $1 / 2^{\prime \prime}$ 10.00 For Mounting in Panels up to $1 / 2^{\prime \prime}$ 15.00 For Mounting in Panels up to $1 / /^{\prime \prime}$ 9.5 For Mounting in Panels up to $1 / 2^{\prime \prime}$ 9.5
1.75 1.75
5.0 5.0
5.0
10.0
10.0
10.0
15.0
10.0
10.0
3.5
$(\mathbf{w} / 2$ Cond Cord Plug $\&$ Socket 83
w/2 Cond., Cord, Plug \& Socket $37 / 8 \times 8 \times 51 / 16$ D. 204848.00 $\begin{array}{lllll}w / 2 \text { Cond., Cord, Plug \& Socket } 61 / 4 \times 53 / 8 \times 41 / 2 & 101 / 4 & 32.00\end{array}$ $\begin{array}{lllll}\text { w } / 3 \text { Cond., Cord, Plug } \& \text { Socket } 6 K_{1 /} \times 533 \times 41 / 2 & 93 / 4 & 35.00\end{array}$ $w / 2$ Cond., Cord, Plug \& Socket $67 / 5 \times 5 \times 4 / 6121 / 4 \quad 34.00$ w/3 Cond., Cord, Plug \& Socket $67 / 8 \times 5 \times 4 K_{4} \quad 12 \quad 40.00$

 w/3 Cond., Cord, Plug \& Socket $512 / 3 \times 5 \times 42 \times 12054.75$ $\begin{array}{lllll}\text { w/3 Cond., Cord, Plug \& Socket } 51 \% \times 5 \times 4292 & 12 & 56.75 \\ w / 3 \text { Cond, Cord, Plug \& Socket } 51 \% \times 5 \times 4^{2 \% 2} & 12 & 64.75\end{array}$ | w/3 Cond., Cord, Plug \& Socket $513_{2} \times 5 \times 423_{2}$ | 12 | 64.75 |
| :--- | :--- | :--- | :--- |

# Resistors and Resistor Assortments 

FIXED COMPOSITION RESISTORS

Moulded carbor resistors in $1 /$ e to 2 watt ratings, $5 \%$ \& $10 \%$ tolerance. Made by leading American manufacturers such as Allen Bradley, Speet and IRC to high industry standards. Moulded bodies are insulated to have high breakdown resistance. All have E.I.A. color coded bands for positive identification of ohmage and tolerance. All are brand new factory fresh stock with full length leads.

| Specify Stock Number from the price code number | EXAMPLE: For a $1 / 2$ watt, 3900 ohm $10 \%$ resistor: order as $52 \mathrm{P} 3087,3900$ ohms. For the same resistor with $5 \%$ tolerance order as 52 P 8087, 3900 ohms. |
| :---: | :---: |


| STOCK NO. | Watts | RANGE SEE CHART BELOW | Net Each |  | may be assorted |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1.9 | 10.49 | 50.99 | 100 up |
| 52 P 2 52 52 | 1/4/4 | 2.7 ohms to 22 meg | . 13 |  |  |  |
|  | $1 / 2$ |  | . 12 | 10 | . 08 | . 07 |
| 52 P 5 | 2 | 10 ohms to 22 meg | . 24 | . 21 | . 15 | . 11 |

## CHART OF AVAILABLE 10\% RESISTORS AND ORDERING CODE

| Ohms Code | Ohms Code | Ohms | Code | Ohms | Code | Ohms Cod | Ohms | Cade | Megs | Code |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.0001 | 10025 | 120 | 051 | 1500 | 077 | 18K | 220K | 129 | 2.2 | 153 |
| 1.2003 | 12027 | 150 | 053 | 1800 | 079 | 22K 10 | 270K | 131 | 2.7 | 155 |
| 1.5005 | 15029 | 180 | 055 | 2200 | 081 | 27K 10 | 330 K | 133 | 3.3 | 157 |
| 1.8007 | $18 \quad 031$ | 220 | 057 | 2700 | 083 | 33 K 10 | 390K | 135 | 3.9 | 159 |
| 2.2009 | 22033 | 270 | 059 | 3300 | 085 | 39 K 111 | 470k | 137 | 4.7 | 161 |
| 2.7011 | 27035 | 330 | 061 | 3900 | 087 | 47 K 11 | 560K | 139 | 5.6 | 163 |
| 3.3013 | 33037 | 390 | 063 | 4700 | 089 | 56 K 11 | 680K | 141 | 6.8 | 165 |
| 3.9015 | 39039 | 470 | 065 | 5600 | 091 | 68 K 111 | 820K | 143 | 8.2 | 167 |
| 4.7017 | 47041 | 560 | 067 | 6800 | 093 | $82 \mathrm{~K} \quad 11$ | Megs | Code | 10 | 169 |
| 5.6019 | 56043 | 680 | 069 | 8200 | 095 | 100 K 12 | 1.0 | 145 | 12 | 171 |
| 6.8021 | 68045 | 820 | 071 | 10K | 097 | 120K 12 | 1.2 | 147 | 15 | 173 |
| 8.2023 | 82047 | 1000 | 073 | 12K | 099 | 150K 12 | 1.5 | 149 | 18 | 175 |
|  | $100 \quad 049$ | 1200 | 075 | 15K | 101 | 180k 127 | 1.8 | 151 | 22 | 177 |
| $5 \%$ RESISTORS - SELECT FROM CHART BELOW |  |  |  |  |  |  |  |  |  |  |
| STOCK NO. | WATTS | RANGE SEE <br> CHART BELOW |  |  | Net Each |  | MAY BE ASSORTED |  |  |  |
|  |  |  |  |  | 1.9 | 10-49 | 50.99 |  | 100 H19 |  |
|  |  | 2.7 ohm | s to 22 |  |  |  | . 14 |  | . 10 |  |
| $52 \mathrm{P} 8$ | $1 / 2$ | $1 \text { ohm }$ | to 22 | meg | . 24 | . 20 | . 12 |  | . 09 |  |
| $5289$ | 1 | 2.7 ohm | s to 22 | meg | . 36 | . 30 | . 18 |  | . 13 |  |
| 53 P1 | 2 | 10 hmm | s to 22 | meg | . 48 | . 40 | . 24 |  | . 19 |  |

CHART OF AVAILABLE 5\% RESISTORS AND ORDERING CODE

| Ohms | Code | Ohms | Code | Ohms | Code | Ohms | Code | Ohms | Code | Ohms | Code | Megs Code |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.0 | 601 | 11 | 026 | 120 | 051 | 1300 | 076 | 15 K | 101 | 180K | 127 | 2.0 | 152 |
| 1.1 | 002 | 12 | 027 | 130 | 052 | 1500 | 077 | 16 K | 102 | 200 K | 128 | 2.2 | 153 |
| 1.2 | 003 | 13 | 028 | 150 | 053 | 1600 | 078 | 18K | 103 | 220 K | 129 | 2.4 | 154 |
| 1.3 | 004 | 15 | 029 | 160 | 054 | 1800 | 079 | 20 K | 104 | 240 K | 130 | 2.7 | 155 |
| 1.5 | 005 | 16 | 030 | 180 | 055 | 2000 | 080 | 22 K | 105 | 270 K | 131 | 3.0 | 156 |
| 1.6 | 006 | 18 | 031 | 200 | 056 | 2200 | 081 | 24 K | 106 | 300K | 132 | 3.3 | 157 |
| 1.8 | 007 | 20 | 032 | 220 | 057 | 2400 | 082 | 27K | 107 | 330 K | 133 | 3.6 | 158 |
| 2.0 | 008 | 22 | 033 | 240 | 058 | 2700 | 083 | 30K | 108 | 360K | 134 | 3.9 | 159 |
| 2.2 | 009 | 24 | 034 | 270 | 059 | 3000 | 084 | 33K | 109 | 390 K | 135 | 4.3 | 160 |
| 2.4 | 010 | 27 | 035 | 300 | 060 | 3300 | 085 | 36 K | 110 | 430K | 136 | 4.7 | 161 |
| 2.7 | 011 | 30 | 036 | 330 | 061 | 3600 | 086 | 39K | 111 | 470K | 137 | 5.1 | 162 |
| 3.0 | 012 | 33 | 037 | 360 | 062 | 3900 | 087 | 43K | 112 | 510 K | 138 | 5.6 | 163 |
| 3.3 | 013 | 36 | 038 | 390 | 063 | 4300 | 088 | 47 K | 113 | 560K | 139 | 6.2 | 164 |
| 3.6 | 014 | 39 | 039 | 430 | 064 | 4700 | 089 | 51 K | 114 | 620K | 140 | 6.8 | 165 |
| 3.9 | 015 | 43 | 040 | 470 | 065 | 5100 | 090 | 56 K | 115 | ¢80K | 141 | 7.5 | 166 |
| 4.3 | 016 | 47 | 041 | 510 | 066 | 5600 | 091 | 62 K | 116 | 750 K | 142 | 8.2 | 167 |
| 4.7 | 017 | 51 | 042 | 560 | 067 | 6200 | 092 | 68K | 117 | 820K | 143 | 9.1 | 168 |
| 5.1 | 018 | 56 | 043 | 620 | 068 | 6800 | 093 | 75K | 118 | 910K | 144 | 10 |  |
| 5.6 | 019 | 62 | 044 | 680 | 069 | 7500 | 094 | 82 K | 119 | Meas | Code | 11 | 170 |
| 6.2 | 020 | 68 | 045 | 750 | 070 | 8200 | 095 | 91 K | 120 | 10 | 145 | 12 | 171 |
| 6.8 | 021 | 75 | 046 | 820 | 071 | 9100 | 096 | 100K | 121 | 1.1 | 146 | 13 | 172 |
| 7.5 | 022 | 82 | 047 | 910 | 072 | 10K | 097 | 110 K | 122 | 1.2 | 147 | 15 | 173 |
| 8.2 | 023 | 91 | 048 | 1000 | 073 | 11K | 098 | 120K | 123 | 1.3 |  |  |  |
| 9.1 | 024 | 100 | 049 | 1100 | 074 | 12K | 099 | 130k | 124 | 1.5 | 149 | 18 | 175 |
| 10 | 025 | 110 | 050 | 1200 | 075 | 13K | 100 | 150 K | 125 | 1.6 | 150 | 20 | 176 |
|  |  |  |  |  |  |  |  | 160K | 126 | 1.8 | 151 | 22 | 177 |

MOST POPULAR KIT OF 100 CARBON RESISTORS
$1 / 2$ WATT - 10\% $2^{98}$

Designed especially for the serviceman. Here is a selection of 100 resistors of the most popular values used in general service work. All brand-new $1 / 2$ watt $10 \%$, full lead length resistors. Color coded. This is no random assortment. You get 3 each: $100,470,2200$ ohms; 4 each: $1 \mathrm{~K}, 4.7 \mathrm{~K}, 22 \mathrm{~K}, 27 \mathrm{~K}, 33 \mathrm{~K}, 47 \mathrm{~K}$, .15 meg, .27 meg, 2.2 meg; 5-10K; 10 each: .1 meg, $47 \mathrm{meg}, 1 \mathrm{meg}$, plus 20 other popular values. Shpg. wt., 401.
32 P 99047
Net 2.98

## $1 / 2 \& 1$ WAIT CARBON RESISTOR ASSORTMENT


#### Abstract

A value packed assortment of carbon resistors. Kit of 100 resistors consists of $751 / 2$ watt and 251 -watt resistors. Wide range of resistance value in varied tolerances. All have the standard RMA color code and normal length axial leads. Shpg, wt., 602. 32 P 60007 Net 1.98


## 1 WATT CARBON RESISTOR KIT



Contains 2 each of the following selected values: $22 \cdot 68-82 \cdot 120-180-330 \cdot 390$. $820 \cdot 1500 \cdot 2700 \cdot 3000 \cdot 4700 \cdot 7500$. $330 \mathrm{~K}-390 \mathrm{~K}-560 \mathrm{~K}-820 \mathrm{~K}-3.3 \mathrm{Meg}$. 32 P 60049 Shpg. wt., 5 oz ...Net 1.98

## $1 / 4$ WATT CARBON RESISTOR KIT

100 plece kit of $1 / 4$ watt carbon resistors. Assortment of 33 selected values. Body size approx. $1 / 4^{\prime \prime}$ long $x / z_{2}{ }^{\prime \prime}$ dia. All $+10 \%$ tolerance. Shpg. wt., 3 oz .
32 P 60031
OHMITE OHM'S LAW CALCULATOR


Solves Ohm's Law problems with just one setting of the slide. Has parallel resistance computing scales. Covers range from 0.01 ohm to 100 megohms. Current scale in amperes and milliamper
$9 \times 3^{\prime \prime}$. Shog, wt., 3 oz .
34 P 63023
Net .25


## Popular Batteries at Popular Prices <br> Batteries

Constructed To Lafayette's Rigid Specifications

|  |  |  |  | Alkaline ATTERIES |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Voltage | Net | $\begin{aligned} & \text { Lots } \\ & \text { of } 10 \\ & \hline \end{aligned}$ | Replace RCA |  | oúact <br> Eve. <br> ready | r's Type Shpg. wt. |
| 99 P 62564 | (11/2(D) | . 19 | 1.70 | VS036 | 2 | 950 | 5 oz ea. |
| 99 P 62572 | $211 / 2(C)$ | . 17 | 1.50 | VS035 |  | 935 | 4 oz. ea. |
| 99 P 62580 | 11/2(AA) |  | . 80 | VS034 |  |  | 3 oz. ea. |

## STANDARD g-VOLT TRANSISTOR BATTERY

99 P $60212 \quad 9 \quad .31 \quad 2.80 \quad$ VS323 2 2U6 216 3 oz.ea.

## ALKALINE BATTERIES

These high energy Alkaline batteries provide up to 10 times longer life than ordinary zinc-carbon types in heavy and/or continuous drains, at all temperatures. Especially good for toys, photo, radios, tape recorders, record players and heavy-duty flashlights. Imported.

| Stock No. | Voltage | Net ea. | Replaces Mallory | Manufo Bur. cess | Eve. ready | s Type Shpg. wt. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 P 63786 | 11/2(D) | . 64 | MN1300 | AL2 | E95 | 7 oz . |
| 99 P 63802 | $11 / 2$ (C) | . 52 | MN1400 | AL1 | E93 | 502. |
| 99 P 63828 | $11 / 2(A A)$ | . 45 | MN1500 | AL9 | E91 | 3 oz . |

- 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 neces sary replacement. They use a special chemical formulation which provides more than $50 \%$ longer useful life without either diminishing their shelf life or Increasing battery weight.


## AA NICKEL CADMIUM BATTERY

This Lafayette penlite nickel 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 P 47400 11/4(AA)
1.65

CD6 C450 3 oz . ea

## MANGANESE ALKALINE BATTERIES

Up to 10 times longer life. Do not require rest period, operate with same efficiency in continuous or intermittent service.

| Stock No. | Repł Eve. ready | Matlory | R.C.A. | Type Bur- <br> gess | $\begin{aligned} & \text { Volt. } \\ & \text { age } \end{aligned}$ |  |  | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 46972 | EPX825 | PX-825 |  | APX825 | 1.5 | 2 | 2 | 99 |
| 32 P 48846 (0) | E95 | MN1300 | VS1336 | AL2 | 1.5 | 7 | 1 | . 65 |
| 32 P 47525 (年) | E91 | MN1500 | VS1334 | AL9 | 1.5 | 4 | 2 | . 92 |
| 32 P 48879 (C) | E93 | MN1400 | VS1335 | AL1 | 1.5 | 4 | 1 | . 52 |
| 32 P 47541 | E90 | MN9100 | V $\$ 1073$ | ALN | 1.5 | 3 | 2 | . 79 |
| 32 P 48937 (AAA) | E92 | M ${ }^{\text {2400 }}$ | VS1074 | AL7 | 1.5 | 3 | 1 | . 46 |
| 32 P 46451 | 523 | MN1306 | VS1149 | AL133 | 4.5 | 3 | 1 | 1.27 |
| 32 P 47426 | 563 |  | VS1563 |  | 4.5 | 2 | 1 | 3.00 |
| 32 P 47434 | 564 |  | VS 1564 |  | 13.5 |  |  | 10.99 |
| 32 P 47533 |  | MN1604 | VS1323 | - | 9.0 | 4 | 1 | . 98 |

## TRANSISTOR AND

 HEARING AID BATTERIES| Stock Ne. | "Eveready" | Bur- gess | eplaces $M$ R.C.A. | r's Type Malfory | Volt age | Wt. Lbs. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 48192 (0) | 1050 | 230 | VS336 | M13R | 1.5 | $1 / 2$ | 23 |
| 32 P 47012 (C) | 1035 | 130 | VS335 | M14R | 1.5 | 1/4 | 23 |
| 32 P 47020 (AA) | 1015 | 930 | VS334 | M15R | 1.5 | 1/4 | . 19 |
| 32 P 47038 | 243 | - | VS324 | - | 4.5 | 70 | 2.39 |
| 32 P 48077 | 216 | 206 | V5323 | M1604 | 9.0 | $3 /$ | . 54 |
| 32 P 47046 | 246 | 2N6 | VS305 | M1602 | 9.0 | 36 | 1.50 |
| 32 P 48986 | 266 | M6 | VS 322 | M1605 | 9.0 | \% | 1.36 |
| 32 P 47053 | 276 | D6 | VS306 | M1603 | 9.0 | 1 | 1.67 |
| 32 P 47061 | 2506 | D6P1 | V5301 | - | 9.0 | 13/4 | 2.71 |
| 32 P 47079 | 239 | $\times \times 9$ | V 5304 | - | 13.5 | $1 / 4$ | 2.67 |
| 32 P 47095 | 2356 N | C6X | V5330 | - | 9.0 |  | 2.40 |
| 32 P 47129 | 226 | P6 | VS300A | M1500 | 9.0 | 1/4 | 79 |

## FLASHLIGHT \& LANTERN BATTERIES

| 32 P 48655 (AAA) | 912 | 7 | VS074 | $11 / 2$ | 1/8 |  | . 16 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 47757 (AA) | 915 | 910 | VS034A | $11 / 2$ | 1/4 | 2 for | . 34 |
| 32 P 47509 (C) | 935 | 1 | VS035A | 11/2 | 3/8 | 2 for | . 39 |
| 32 P 47491 (D) | 950 | 2 | VS036 | $11 / 2$ | $1 / 2$ | 2 for | . 39 |
| 32 P 48671 | 735 | 410 | VS106 | $11 / 2$ | $13 / 4$ |  | 8.06 |
| 32 P 48589 | \# 6 Ign. | 6 Ig n. | VS006S | 11/2 | 23/8 |  | 1.20 |
| 32 P 48697 | 509 | F4M | VS040C | 6 | 15/8 |  | 8.13 |
| 32 P 48184 | 510 S | F4BP | vs040s | 6 | 174 |  | 1.13 |
| 32 P 48705 | 731 | TW1 | VS317 | 6 | $31 / 2$ |  | 2.30 |
| 32 P 48713 | 706 | 4F4H | V$\$ 103$ | 6 | 63/4 |  | 4.67 |
| 32P47772 | 732 | TW2 | VS342 | 12 | $31 / 2$ |  | 2.64 |
| 32 P 48754 | 904 | NE | VS073 | $11 / 2$ | 1/4 |  | . 10 |
| $32 \mathrm{P}{ }^{\text {* }} 48788$ | 715 | 4F5H | VS139 | $71 / 2$ | 83/4 |  | 5.30 |
| 32 P 47764 | - | 246HD |  | 69 | 64/2 | 2 for | 7.66 |

## SHURITE BATTERY TESTERS

Pocket testers with metal dials, and prods. Test batteries without load. Shpg. wt, 6 oz .

## - OC VOLTMETERS

| Stock |
| :--- |
| 38 P 59 |
| 38 P 5 |
| 38 P 5 |
| 38 P 59 |
| 38 P 5 |

- P 5

HEARING AID BATTERY TESTER
Ideal for checking $1.5,15,22.5,30,33$, and

## 45 volt batteries. <br> 38 P 61648

KEYSTONE BATTERY HOLDERS
Battery Holders are made of Aluminum Alloy,
sturdy construction with insulated, nickel
plated Brass eyelets. All multiple holders
mount batteries side by side except items
marked *mount end to end. Av. shpg. wt., 3 ozs.

| Stock No. Holds | Burgess | Eveready | RCA | Maliory | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\left.\begin{array}{rll} \hline 34 \text { P } 50012 & 1 \\ 34 & \text { P } 50020 & 2 \\ 34 & \text { P } 50038 & 3 \end{array}\right\}$ | 7, AL7 | 912, E92 | $\begin{aligned} & \text { VSO74 } \\ & \text { VS1074 } \end{aligned}$ | MN2400 | $\begin{array}{r} .25 \\ .42 \\ .61 \\ \hline \end{array}$ |
| $\left.\begin{array}{ll}\hline 34 \text { P } 50053 & 1 \\ 34 \\ 34 & \text { P } 50061 \\ 34 & 20087 \\ 34 & 3 \\ 3 & 3 \\ 3\end{array}\right\}$ | $\begin{aligned} & \begin{array}{l} Z, 9 R \\ Y 15 \\ C D 6 \\ 910 \end{array} \end{aligned}$ | $\begin{aligned} & \text { E9, E12, } \\ & \text { E133, E502 } \\ & 505,915 \\ & 1015 E, \text { C450 } \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { VS034 } \\ & \text { VS9 } \end{aligned}$ | $\begin{aligned} & \text { RM12R, } \\ & \text { TR133R, } \\ & \text { ZM-9 } \\ & \text { TR233R } \end{aligned}$ | $\begin{array}{r} .25 \\ .40 \\ .55 \\ .70 \\ \hline \end{array}$ |
| $34 P 50103$ 1 <br> $34 P 501111$ 2 | $\frac{1}{\text { ALL }}$ | $\begin{aligned} & 935 . \text { E93 } \\ & \text { CH1.5 } \end{aligned}$ | VS035 | MN1400 | $\begin{aligned} & .33 \\ & .40 \\ & \hline \end{aligned}$ |
| $\begin{array}{lll} 34 & \mathrm{P} & 50137 \\ 34 & 1 \\ 34 & 50145 & 2 \\ 34 & \mathrm{P} & 50152 \end{array}$ | $\begin{aligned} & 2, \mathrm{D} \\ & \mathrm{ZA}, \mathrm{AL2} \\ & \mathrm{CD} 10 \end{aligned}$ | $\begin{aligned} & \text { 950, E.95, } \\ & \mathrm{CH}_{4} \end{aligned}$ | $\begin{aligned} & \text { VS036 } \\ & \text { VS1336 } \end{aligned}$ | $\begin{aligned} & \text { RM42R } \\ & \text { MN1300 } \end{aligned}$ | .33 <br> .40 <br> .51 |

# Batteries-Burgess, Eveready, RCA, Mallory 

POPULAR 1.5 V. GENERAL PURPOSE AND 9 V . TRANSISTOR BATTERIES
The most popular 1.5 volt $D, C$, and $A A$ flashlight, general purpose mercury types characterized by excellent voltage stability through
 zinc-carbon; alkaline types featuring up to 10 times longer life; nickel-cadmium types which may be recharged mundreds of times.


## MALLORY DURACELL

 MERCURY BATTERIESTypes with * have snap connections. Shipping weight varies from 2 oz. to 10 oz. max.
 stock No. Type No. Volts Net Per Package

## 

 32 P 47566 RM1 14 pkg, of 4 32 P 47574 PM1M 32 P 47582 RM1R 32 P 4652 RM4R 32 P 47590 ( D ) RM42 $\begin{array}{lllll}32 \text { P } 47608 & \text { RM312 } & 1.4 & \text { pkg. of } 6 & 1.44\end{array}$ $\begin{array}{lllll}32 \mathrm{P} & 47616 & \text { RM400 } & 1.4 & \text { pkg of } 6 \\ 32 \mathrm{P} & \mathbf{3 7 6 2 4} & \text { RM401 } & 1.4 & \text { Each }\end{array}$ $\begin{array}{lllll}32 \text { P } 46618 & \text { RM502R } & 1.35 & \text { pkg. of } 2 & 2.28 \\ 32 \text { P } 47632 & \text { RM520 } & 1.4 & \text { pkg. of } 6 & 1.02\end{array}$ $\begin{array}{lllll}32 \text { P } 47632 & \text { RM520 } & 1.4 & \text { pkg. of } 6 & 1.02 \\ 32 \text { P } 47640 & \text { RM625R } & 1.35 & \text { pkg. of } 4 & 2.92 \\ 32 \text { P } 47657 & \text { RM630 } & 1.4 & \text { pkg. of } 4 & 2.52\end{array}$ $\begin{array}{lllll}32 \text { P } 47675 & \text { RM640 } & 1.4 & \text { pkg. of } 4 & 2.52 \\ 32 \text { P } 46683 & \text { RM675 } & 1.4 & \text { pkg. of } 2 & 1.26 \\ 32 \text { P } 46709 & \text { MR1 }\end{array}$ $\begin{array}{lllll}32 \text { P } 46683 & \text { RM675 } & 1.4 & \text { pkg. of } 6 & 2.10 \\ 32 \text { P } 48709 & \text { TR115R } & 6.75 & \text { pkg. of } 2 & 4.88\end{array}$ $\begin{array}{llllll}32 P 47665 & \text { TR126 } & 6.75 & \text { pkg. of 2 } & 4.88 \\ 32 \text { P } 46725 & \text { TR132R } & 8.4 & \text { Each } & 1.67 & 3\end{array}$ $\begin{array}{llllll}32 \mathrm{P} 46733 & \text { TR133R } & 4.05 & \text { phg. of } 2 & 3.74 & 3 \\ 32 \mathrm{P} 46741 & \text { TR134R } & 5.4 & \text { pkg. of } 2 & 4.54 & 32 \\ 32 \mathrm{P} 46758 & \text { TR135R } & 6.75 & \text { pkg of } 2 & 5.35 & 3\end{array}$ $\begin{array}{lllll}32 \mathrm{P} & 46766 & \text { TR136 } & 6.75 & \text { pkg. of } 2 \\ 32 \mathrm{P} & 47673 & \text { TR146X* } & 8.4 & \text { plg. of } 2 \\ \mathbf{3 2} & \mathbf{4 . 5 4} \\ & \text { Each } & 1.28\end{array}$ $\begin{array}{lllll}32 P & 47673 & \text { TR146X* } & 8.4 & \text { Each } \\ 32 \text { P } 46782 & \text { TR163 } & 4.28 & \text { plg. of } 2 & 3.68 \\ 32 & 47681 & \text { TR164 } & 5.6 & \end{array}$ $\begin{array}{rrrrr}32 \text { P } 46808 & \text { TR165 } & 7.0 & \text { pkg. of2 } & 4.3 \\ 32 \text { P } 46816 & \text { TR169 } & 12.6 & \text { Each } & 3.6\end{array}$ 32 P 47699 TR175 32 P 47707 TR177*32 P 47715 TR233 32 P 46857 (AA) ZM9 32 P 46865 7M12 32 P 47723 PX1 32 P 47731 PX13 32 P 46964 PX 23
$32 \mathrm{P} 46923 \mathrm{P} \times 29$

SILVER OXIDE
32 P 46956 MS13
32 P 46931 MS41
32 P 46949 MS 76

## RECORD <br> Burgess

Stock No. Type Volts shpg. Wt. Net | 32 | P 39035 | $2 \times 7$ | $101 / 2$ | $1 / 2 \mathrm{lb}$. |
| :--- | :--- | :--- | :--- | :--- |

INDUSTRIAL BATTERY TYPES

| Lafayette Stock No. | Eve. ready | Replaces Gurgess | Mfr's. Ty R.C.A. | Voltage | Wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 39019 |  | 2FH | VS101 | $11 / 2$ | 4/4 |  |
| 32 P 47137 | W356 | 2 F 2 H | VS136 | 3 | $11 / 2$ | 3.01 |
| 32 P 47160 | 750 | 422 | VS134 | 3 | $1 / 4$ | 1.54 |
| 32 P 47178 | 703 | 532 | VS346 | $41 / 2$ | $3 / 8$ | 1.63 |
| 32 P 47202 | 781 | 5360 | V 5028 | 41/2 | 3/8 | 1.79 |
| 32 P 47228 | 773 | 5540 | VS029 | $71 / 2$ | $1 / 2$ | 2.50 |
| 32 P 47236 | 763 | 4156 | VS102 | 221/2 | , | 2.02 |
| 32 P 47244 | 778 | 5156 SC | VS131 | 221/2 | 13/4 | 5.45 |
| 32 P 47251 | W350 | Z30NX | VS114 | 221/2, 45 | 13/4 | 3.76 |
| 32 P 47293 | 762 S | 5308 | VS112 | 45 | $33 / 4$ | 3.77 |

Lafayette "Eve- ready" Bur. Replaces Manufacturer's Type Shpa. Stock No. No.
$\begin{array}{llll}32 & P & 48192 & 1050 \\ 32 & P & 48218 & 742 \\ 32 & P & 48226 & 964 \\ 32 & P & 48234 & 206 \\ 32 & P & 48242 & 736 \\ 32 & P & 48267 & 71 \\ 32 & P & 48275 & 724 \\ 32 & P & 48283 & 744 \\ 32 & P & 48291 & 707 \\ 32 & P & 48309 & \\ 32 & P & 48317 & 77\end{array}$
1050
742
964
206
736
718
724
744
707
713
717

1050
742
964
206
736
718
724
744
707
713
717
-
230
$4 F$ Net
PORTABLE A TYPES

| PORTABLE B TYPES |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 48333 | 411 | U10 | VS083 | $1 x^{3} \% / 6 \times 1 / 6$ | 15 | $1 / 4$ | 1.03 |
| 32 P 48341 | 417 | K10 |  | $15_{1} x^{3} 3_{32} \times 1 \%_{16}$ | 15 | $1 / 4$ | 1.67 |
| 32 P 48358 | 504 | $Y 10$ | VS704 | $5 / 8 \times 1515 \times 1318$ | 15 | 1/8 | 1.03 |
| 32 P 48366 | 412 | U15 | VS084 | $11_{2} \times 5$ \% $\times 2$ | 221/2 | $1 / 4$ | 1.17 |
| 32 P 48374 | 420 | K15 |  | 1\% $\%_{6} \times{ }^{3} \times 2 \times 2 \%_{0}$ | 221/2 | 1/4 | 2.02 |
| 32 P48382 | 505 | Y15 | V\$705 | $5 / 8 \times 1937 \times 16 \%_{4}$ | 221/2 | 1/2 | 1.17 |
| 32 P 48390 | 413 | U20 | VS085 | 1 $11_{2} \times 5 / 8 \times 2 \%_{6}$ | 30 | $1 / 4$ | 1.30 |
| 32 P 46408 | 506 | Y20 |  | $113 / 4 \times 5 / 8 \times 1^{17 / 64}$ | 30 | $1 / 4$ | 2.53 |
| 32 P 48051 | 415 | U30 | VS086 | $13 / 45 / 8 \times 311 / 16$ | 45 | 1/2 | 1.88 |
| 32 P 48424 | 455 | $\times \times 30$ | V 5055 | $2^{21 / 35} \times 1 \times 3116$ | 45 | 3/4 | 2.45 |
| 32 P 48101 | 482 | M30 | VS013 | $31 \% / 32 \times 22 / 33 \times 5$ | 45 | 21/4 | 2.98 |
| 32 P 48432 | 484 | 830 | V 5344 |  | 45 | 31/2 | 4.08 |
| 32 P 48465 | 416 | UX45 | VS318 | $121 / 6 \times 4 \times 31 / 2$ | 671/2 | 1/2 | 2.23 |
| 32 P 48473 | 457 | K45 | VS082 | $21316 \times 13 / 6 \times 21 / 2$ | 671/2 | $3 / 4$ | 2.97 |
| 32 P 48481 | 467 | XX45 | VS016 | 21/60 $\times 13$ ¢ $\times 3$ 45/4 | 671/2 | 1 | 2,70 |
| 32 P 48499 | 477 | P45 | VS218 | $12 \%{ }_{2} \times 1 / 4 \times 5 \%$ | 671/2 | 1 | 2.71 |
| 32 P 48507 | 437 | $\times \times 50$ | VS217 |  | 75 | 1 | 3.77 |
| 32 P 48515 | 479 | P60 | VS219 |  | 90 | $11 / 4$ | 2.98 |
| 32 P 48176 | 490 | V60 | vs090 | $323_{2} \times 13 / 8 \times 345 / 4$ | 90 | $11 / 4$ | 3.40 |
| 32 P 48556 | W361 | X $\times 69$ | - | $111 / 2 \times 111 / 32 \times 11^{2 \%} 38$ | $1031 / 2$ | 13/4 | 5.82 |

## PHOTOFLASH AND HIGH VOLTAGE TYPES

 Replaces Manufacturer's Type| 32 P 48564 | 493 | U200 | VS093 | $211 / 4 \times 27 / 12 \times 3 \times 1 / 2200$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 48804 | 497 | U320 | VS797 | $3 \times 1153 \times 55 / 810$ | 13 | 13.63 |
| 32 P48820 | 491 | 1160 | VS791 | 2\%6x1\%64 ${ }^{1 \%}$ \% 240 | 1 | 7.53 |

## NICKEL CADMIUM RECHARGEABLE BATTERIES

Hermetically sealed steel nickel cadmlum cells. HIgh energy, long lasting, unaffected by idle periods. May be recharged many times. All are 1.25 average discharge voltage. All capacitles rated in milliampere-ohm except $\ddagger$ rated in ampere-hours.

| Lafayette Stock No. | "Eveready" No. | Replaces Burgess No. | Manufact Gould. Nicad | r's Type Сар. | $\begin{aligned} & \text { Wt. } \\ & \text { in } \mathrm{O}_{2} . \end{aligned}$ | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 47467 | B20 | CDI | 208 | 20 | 3 | 1.44 |
| 32 P 47301 | 850 | CO2 | 508 | 50 | 2 | 1.09 |
| 32 P 47327 | -8100 ${ }^{\text {c }}$ | -CD8L | * 100 BL | 10. | 2 | 1.39 |
| 32 P 47350 | 8225 | CO4 | 2258 | 225 | 2 | 1.29 |
| 32 P 47368 | -8225T | * COAL | *225BL | 225 | 3 | 1.48 |
| 32 P 47384 | * 8450 T | - COSL | *450BL | 450 | 3 | 2.08 |
| 32 P 47392 | ${ }^{\text {- }}$ C450T | - CD6t | -475SCL | 450 | 3 | 2.40 |
| 32 P 47400 (AA) | C450 | C06 | 475 SCB | 450 | 3 | 1.65 |
| 32 P 47418 | CH1. 2 |  | 1.2SCB | 1200 | 4 | 2.89 |
| 32 P 48887 (C) | CH1.5 | CD14 | 2.05 CB | 1.5 \$ | 5 | 3.90 |
| 32 P 48895 (D) | CH4 | CDIO | 4.0 SCB | 4 \% | 5 | 6.54 |

# Battery Eliminators - Chargers 

## LAFAYETTE g-VOLT TRANSISTOR RADIO BATTERY CHARGER AND ELIMINATOR

Charge Battery, Operate Set On AC, or Both Isolation Transformer -Shock-Proof
sust plue into any 117 -volt AC receptacle and recharge your old 9 -volt battery for many hours of extra use; or operate your set Indoors without using the battery at alli or you can both charge battery and operate set at the same time. Has 4-position switch for above functions plus off position and pilot light. Size $4 W \times 11 \%, 4 \mathrm{HK}$ $2^{5 / 9}$ "D. Imported. Shpg, wt., 3/4 lb.

## 95 P 90219



## "STORAGE CELL" for TRANSISTOR RADIOS 9V BATTERY PLUS CHARGER

## ONE CHARGEABLE BATTER

 OUTLASTS DOZENS OF CONVENTIONAL BATTERIES- Replaces 2U6, 216, and EL-006P
- Fluid Storage Type
- Plays About 15 Hours on One Charging
- Battery Recharges Overnight
- Complete-Battery Plus Charger

9y Battery complete witn charger. Battery $17 / 8 \times 1 \%$ " $11 / 4 \times 7 / 8^{\prime \prime}$. Imported. Shpg. wt., 507.
99 P 90169 Battery and Charger


99 P 60261 Batterv Replacement for above $\qquad$ Net 3.29 Net 1.59

## LAFAYETTE MULTI-PURPOSE BATTERY CHARGER

- Recharge All Popular Batteries-9V Transistor, AA Penlight, C And D Cells. Up to 3 At One Time!
- Just Plug-In And Use

Dasigned to charge regular carbon zinc, nickel cadmium and alkaline batteries, Charges up to 3 batteries in a relatively short time for less than a penny. Two compartments automatically adjust to size of battery inserted, plus 2 snaps are provided for 9V., transistor radio batteries. Red light indicates charger is operating. For 110 120 volts $50 / 60 \mathrm{~Hz}$ AC. Imported. Shpg. wt., $3 / 4 \mathrm{lb}$. 99 P 92058

Net 3.19


## POWERHOUSE HOME BATTERY CHARGER 4 75

 - Recharge Batteries Up to 15 Times - Built-in Battery Tester - "D" " "C" - "AA" and 9V Transistor SizesRecharge from one to five batteries at one time. Safety is assured since charger is in operation only when lid is closed. Plugs into thandard $110-120$ volt, 60 Hz AC outlet. Imported
34 P 24017 Shpg. wt., 11/4 Ibs. $\qquad$ Net 4.75

## CHART CHARGE NICKEL-CADMIUM



## BATTERY CHARGER

- Charges 1 to 10 Cells in Series up to 250 MA
- Solid-State Regulation

Meets the charging requirements of Nickel-cadmium cells in industrial and hobby use. Continuously variable from 10 to 250 MA to charge 1 to 10 cells in series. Use of isolation transformer eliminates charge 1 to 10 celis istate, electronically regulated. No meter is reshock hazard. Solid-state, electronicaly regulofed. No micator, UL listed quired for accurate calibration. Pitot lis
Cord. $61 / 4 \times 33 / 4 \times 2^{\prime \prime \prime}$. Shpg. wt., $23 / 4$ ibs
34 P 41011


- 300 mA Rated Output
- Reverse Polarity Connector
- Four Popular Terminations

LAFAYETTE UNIVERSAL 6, $71 / 2$ and 9 VOLT ADAPTER

This switchable 6, 71/2, and 9 volt battery eliminator substitutes for batteries in nearly all radios, cassettes, phonos, recorders and other battery operated equipment when used with 117 V $50-60 \mathrm{~Hz}$ input. Reverse polarity connector ( + or - ground) assures proper function of equipment. Selector switch for choice of $6,71 / 2$ and $9 \mathrm{~V} D C$. Terminates in miniature plug, sub-miniature plug, and the two popular coaxial power jacks to fit nearly all equipment. Compact: $21 / 2 x$ $15 / 8 \times 11 / 2^{\prime \prime}$, Imported. Shpg. wt., 1202.
99 P 35446
Net 3.79

## DELUXE LAFAYETTE NICKEL CADMIUM BATTERY CHARGER AND ELIMINATOR



A deluxe 12 -volt battery eliminator and nickel cadmium battery charger. Charges 10 " $A A^{\prime}$ " penlite nicad batteries in battery holder supplied, at a charging rate of 25 ma. per hour. Supplies 12 volts DC via power cable, ideal for 117 VAC base station walkie talkie operation rated up to 2 watts input. A ruggedly constructed transformer operated power supply with switch, pilot lamp and fuse. Imported. Shpg. wt., 4 lbs.
34 P 01007
Net 6.95


Recharges all "D" "C", and 9-volt transistor carbon-zinc, alkaline mercury, and nickel cadmium batteries. Charging receptacles for 4 " $D$ " celis, 4 " $C$ " cells, 6 " $A A^{\prime \prime}$ cells and one $9 V$ battery permits recharging up to 14 batteries at one time. Transformer circuitry operates on a demand principle and automatically prevents overcharging. Has built-in battery tester-indicator light. Shock-proof since low volt. age charging occurs only when lid is clased. Attractive, decorator siyled hi-impact pliable plastic case. For $110-120$ volt AC 60 Hz . Size: $71 / 2 \times 43 / 4 \times 23 / 4^{\prime \prime}$. Shpg. wt., $11 / 2$ lbs.

## BATTERY HOLDERS

A. Ultra-compact bakelite battery case. Holds $8-11 / 2$ volt (AA) penlite cells. $2 \xi_{2} z^{\prime \prime}$ holes, $11 / 8^{\prime \prime}$ on centers for mounting. Size: $2 K_{5} \times 23 / 6 \times 1^{3} / 34^{\prime \prime}$. 1 mported. Shpg. wt., $1^{1 / 2} \mathrm{Oz}$. 99 P 63232
Same as above except holds $10-11 / 2$ volt (AA) penlight celis, size: $21 / 4 \times 23 / 4 \times 1 \mathrm{~K}_{4}{ }^{n}$. Im. ported. Shpg. wt., $20 z$. 99 P 31353 $\qquad$ Net. 79
B. Battery holder for 4-11/2 volt (AA) penlight cells. Has snap-on battery clip and leads. Size: $11 / 4 \times 1 K_{6} \times 21 / 4^{N}$, Imported. 99 P 63315 Shpg. wt., 2 oz. ......Net . 45

RCA-GE-RAYTHEON RECEIVING TUBES (Cont.)


| Stock No. | Tube Typé | 1-5 | 6.24 | $\underset{U p}{256}$ |
| :---: | :---: | :---: | :---: | :---: |
| 36 P 19392 | SOHNS | 1.49 | 1.38 | 1.24 |
| 36 P 21356 | 50JY6 | 3.78 | 3.50 | 3.15 |
| 36 P 19400 | 50L6GT | 2.65 | 2.45 | 2.21 |
| 36 P 19426 | 50Y6GT | 2.35 | 2.18 | 1.98 |
| 36 P 19442 | 53HK7 | 4.51 | 4.18 | 3.76 |
| 36 P 19459 | 60FX5 | 1.59 | 1.48 | 1.33 |
| 36 P 19475 | 80 | 2.59 | 2.40 | 2.16 |
| 36 P 19509 | 117 N7GT | 6.94 | 6.43 | 5.79 |
| 36 P 19525 | 11723 | 2.43 | 2.25 | 2.03 |
| 36 P 19541 | 5879 | 2.89 | 2.68 | 2.41 |
| 36 P 19558 | 6267 | 1.51 | 1.40 | 1.26 |
| 36 P 19566 | 6931 | 1.84 | 1.70 | 1.53 |
| 36 P 19574 | 6973 | 2.72 | 2.53 | 2.28 |
|  | 7025 US |  | 702 |  |
| 36 P19590 | 7027A | 4.02 | 3.73 | 3.36 |
| 36 P 19608 | 7189A | 2.38 | 2.20 | 1.98 |
| 36 P 19616 | 7199 | 3.05 | 2.83 | 2.55 |
| 36 P 19624 | 7247 | 2.40 | 2.32 | 2.01 |
| 36 P 19632 | 7355 | 2.16 | 2.00 | 1.80 |
| 36 P 19640 | 7408 | 1.73 | 1.60 | 1.44 |
| 36 P 19657 | 7543 | 1.76 | 1.63 | 1.47 |
| 36 P 19665 | 7581 A / |  |  |  |
|  | KT66 | 3.32 | 3.08 | 2.77 |
| 36 P 19673 | 7591A | 1.51 | 1.40 | 1.26 |
| 36 P 19681 | 7695 | 2.38 | 2.20 | 1.98 |
| 36 P 19699 | 7868 | 3.05 | 2.83 | 2.55 |
| 36 P 19715 | 8417 | 3.05 | 2.83 | 2.55 |
| 36 P 19723 | 8425A/ |  |  |  |
|  | 6AU6A | 1.76 | 1.63 | 1.47 |
| 36 P 19731 | 8426A/ |  |  |  |
|  | I2AU6 | 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.
Wt. 1 lb .

Premium quality tubes widely used by Hi-Fi equipment manufac turers. Tube types are directly interchangeable with equivalent types listed. Imported from England. Shpg. wt. $1 / 2 \mathrm{lb}$.

| Stock No. | Tube Type | Equiv. Type | Net |
| :---: | :---: | :---: | :---: |
| 36 P 54241 | EZ81 | 6CA4 | 1.88 |
| 36 P 54258 | E290 | 6X4 | 1.88 |
| 36 P 54202 | KT66 |  | 9.75 |
| 36 P 54290 | KT77 |  | 8.75 |
| 36 P 54308 | KT88 |  | 14.75 |
| 36 P 54563 | LC900 | 3HA5 | 1.93 |
| 36 P 54571 | LCF801 | 56.17 | 1.48 |
| 36 P 54738 | PCF801 | 8GJ7 | 1.45 |
| 36 P 54654 | PCL85 | 18 GV 8 | 2.33 |
| 36 P 54662 | PL36 | $25 E 5$ | 3.33 |
| 36 P 54670 | PY81 | 1773 | 2.20 |
| 36 P 54688 | PY88 | 30AE3 | 1.63 |
| 36 P 54316 | UCL82 | S0BM8 | 2.18 |
| 36 P 54332 | UL84 | 4585 | 1.40 |
| 36 P 54696 | XY88 | 16A Q3 | 1.35 |
| 36 P 54357 | 7025A |  | 1.55 |
| 36 P 54365 | 7189A |  | 1.93 |
| 36 P 54373 | 7247 | 120W7 | 1.53 |

## HEC MULLARD MASTER 10 M SERIES

| Stock No. | Tube Type | Equiv. Type | Net |
| :---: | :---: | :---: | :---: |
| 36 P 53870 | E891 | 6AL5 | 1.48 |
| 36 P 53888 | E8C81 | 6807 A | 3.00 |
| 36 P 53896 | E8C91 | 6Av6 | 1.48 |
| 36 P 53912 | EC92 | 6 AB4 | 2.00 |
| 36 P 54548 | EC900 | 6 HA5 | 1.93 |
| 36 P 53979 | ECC88 | 6018 | 2.50 |
| 36 P 53995 | ECF82 | $6 \mathrm{CBA} / 6 \mathrm{KCR}$ | 1.95 |
| 36 P 54555 | ECF801 | 6GJ7 | 1.55 |
| 36 P 54019 | ECH81 | 6 6A8 | 2.50 |
| 36 P 54027 | ECL80 | 6 AD8 | 3.75 |
| 36 P 54050 | EF80 | $68 \times 6$ | 1.53 |
| 36 P 54068 | EF85 | $68 Y 7$ | 2.50 |
| 36 P 54076 | EF86 | 6267 | 1.70 |
| 36 P 54084 | EF89 | 60A6 | 2.05 |
| 36 P 54100 | EF94 | 6AU6A | 1.63 |
| 36 P 54142 | EK90 | 68 E 6 | 1.90 |
| 36 P 54191 | EL90 | 6AQ5A/6HG5 | 1.85 |
| 36 P 54217 | EM34 | 6CD7 | 4.75 |

This selected series of individually lab-fested tubes features tube-to-tube uniformity, section-to-section uniformity to the most stringent specifications. Hum, noise, microphonics and distortion kept to absolute minimum life to the maximum. Individual plastic

| Stock No. | 10 m Type | Net | Stock Mo. | 1004 Type | Nei | Stock No. | 10M Type | Net | Stock No. | 108 Type | Nel |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 P 54704 | $6 \mathrm{6CY} 5$ | 4.20 | 36 P 53490 | EBC90/6AT6 | 2.15 | 36 P 53607 | ECC91/616 | 2.80 | 36 P 53714 | EF95/6AK5 | 3.60 |
| 36 P 53276 | 6EU7 | 2,60 | 36 P 53508 | E8C91/6AV6 | 2.15 | 36 P 53615 | ECC189/6E58 | 3.85 | 36 P 53722 | EF183/6EH7 | 3.90 |
| 36 P 54712 | 6 6V5 | 4.20 | 36 P 53516 | E8F89/60C8 | 2.95 | 36 P 53623 | ECF80/68L8 | 3.40 | 36 P 53730 | EF184/6E17 | 2.90 |
| 36 P 53292 | $6 \mathrm{GK5}$ | 2.65 | 36 P 53524 | EC90/6C4 | 3.15 | 36 P 53631 | ECF86/6HG8 | 3.40 | 36 P 53748 | EK90/68E6 | 2.30 |
| 36 P 53334 | 6T8A | 3.10 | 36 P 53532 | EC95/6EP5 | 2.65 | 36 P 53649 | ECH81/6A18 | 2.92 | 36 P 53755 | EL84/68Q5 | 2.40 |
| 36 P 54720 | 128Y7A | 5.00 | 36 P 53540 | EC97/6FY5 | 2.60 | 36 P 53656 | ECL80/6AB8 | 3.05 | 36 P 53763 | EL90/6AQ5 | 2.40 |
| 36 P 53458 |  | 4.50 | 36 P 53557 | ECC81/12AT7 | 2.85 | 36 P 53664 | ECL84/60x8 | 3.15 | 36 P 53771 | L95/6015 |  |
| 36 P 53425 | 7247/120W7 | 2.85 | 36 P 53573 | ECC83/12AX7 | 2.45 | 36 <br> 36 | EF89/60A | 2.75 2.80 | 36 P 53789 | HBCSI/12AV | 2.15 |
| 36 P 53474 | EABC80/6AK8 | 3.05 | 36 P 53581 | ECC85/6A08 | 2.65 | 36 P 53698 | EF93/6BA6 | . 2.20 | 36 P 5379 | PCF80/9A8 | 3.60 |
| 36 P 53482 | E891/6AL5 | 2.15 | 36 P 53599 | ECC88/6018 | 3.45 | 36 P 53706 | EF94/6AU6 | 2.26 | 36 P 53813 |  |  |



TUBE PIN STRAIGHTENER A $6^{\prime \prime}$ plastic ruier combination fube pin
straightener. Accommodates Novar Nuvistor and Compactron targe 7 pin, 9 pin and 10 pin tubes.
13 P 61229
Net .70
B TUBE AND PARTS EXTRACTOR
This handy tube extractor is skillfully constructed of spring steel, nickel plated. Has rubber cushion on the prongs 13 P 61211

## SERVICEMAN'S TUBE CADDY <br> $13^{95}$ All Wood Reinforced Construction <br> - Easy To Carry

Light, compact caddy capable of holding up to 143 tubes. One fold-out compartment has snap fastened cover. other has built-in separator. Extremely convenient caddy for carry. ing tools, new, vinyl covering. Size $15 \% / 4$ $121 / 2 \times 8^{\prime \prime}$. Shpg. wt., $71 / 4 \mathrm{lbs}$ 12 P 18015 W

Net 13.95

## MATCHED-PAIRS

| Stock No. | Tube Type | Equiv. Type | Net |
| :---: | :---: | :---: | :---: |
| 36 P 54381 | ECL82MP | 68M8MP | 5.85 |
| 36 P 54399 | ECL86MP | 6GW8MP | 6.00 |
| 36 P 54407 | EL34MP | 6CA7MP | 9.50 |
| 36 P 54423 | EL84MP | 6805MP | 6.25 |
| 36 P 54431 | EL86MP | 6CW5MP | 5.25 |
| 36 P 54449 | EL90MP | 6AQ5MP | 4.75 |
| 36 P 54456 | EL95MP | 60L5MP | 6.00 |
| 36 P 54464 | KT66MP | - | 19.75 |
| 36 P 54472 | KT77MP | - | 17.50 |
| 36 P 54480 | KT88MP |  | 27.50 |
| 36 P 54498 | UCL82MP | 508 M 8 MP | 5.50 |
| 36 P 54506 | UL84MP | 4585 MP | 5.00 |
| 36 P 54514 | 7189 MP |  | 5.00 |

cushion packing. Any tube failing to give 10,000 hours of effec tive performance within 2 years from purchase may be returned for no charge replacement. Avg. shpg. wt., 5 oz nif

RCA-GE-RAYTHEON RECEIVING TUBES (Cont.)

| Stock No. | Tube Type | 1.5 | 6-24 | $252$ Up |
| :---: | :---: | :---: | :---: | :---: |
| 36 P16745 | 12 AU6 | 2.08 | 1.93 | 1.74 |
| 36 P 167521 | 12AU7A. ECC82 |  |  |  |
|  |  |  |  |  |
| 36 P 16760 | 12AV5GA | 2.94 | 2.73 | 2.46 |
| 36 P 16778 | 12AV6 | 1.38 | 1.28 | 15 |
| 36 P 16786 | $12 A V 7$ | 2.72 | 2.53 | 2.28 |
| 36 P 16794 | 12AW6 | 1.92 | 1.78 | 1.60 |
| 36 P 16802 | 12 AX 3 | 1.78 | 1.65 | 1.49 |
| 36 P 16828 | $12 \mathrm{~A} \times 4 \mathrm{GTB}$ | 1.97 | 1.83 | 1.65 |
|  | $\begin{aligned} & 124 \times 71 \\ & \text { ECC83 } \end{aligned}$ | 1.65 | 1.53 | 1.38 |
| 36 P 19855 | $\begin{aligned} & 12 A \times 7 A / \\ & 7025 \end{aligned}$ | 1.67 | 1.55 | 1.40 |
| 36 P 16836 | 12AY3A/ |  |  | 1.31 |
| 36 P 16844 | $12 \mathrm{AY7}$ | 3.48 | 3.23 | 2.91 |
| 36 P 16851 | 12AZ7A | 2.38 | 2.20 | 1.98 |
| 36 P 16869 | $12 B 4 A$ | 2.38 | 2.20 | 1.98 |
| 36 P 16877 | 12 BA 6 | 1.67 | 1.55 | 1.40 |
| 36 P 16885 | $12 \mathrm{BA7}$ | 3.19 | 2.95 | 2.66 |
| 36 P 16893 | 12BD6 | 1.24 | 1.15 | 1.04 |
| 36 P 16901 | 12 BE 3 | 2.03 | 1.88 | 1.69 |
| 36 P 16919 | 12BE6 | 1.81 | 1.68 | 1.51 |
| 36 P 16927 | 12BF6 | 1.27 | 1.18 | 1.06 |
| 36 P 16935 | 12 BF 11 | 3.43 | 3.18 | 2.86 |
| 36 P 16943 | 12BH7A | 2.30 | 2.13 | 1.92 |
| 36 P 16950 | 12BK5 | 2.03 | 1.88 | 1.69 |
| 36 P 16968 | 12 BL6 | 2.19 | 2.03 | 1.83 |
| 36 P 16976 | 12BN6 | 2.48 | 2.30 | 2.07 |
| 36 P 16984 | 12BQ6GA | 2.27 | 2.10 | 1.89 |
| 36 P 16992 | 12BQ6GTB 12CU6 | $2.2$ | $2.1$ | $1.89$ |
|  | 12BR3 USE | $12$ | $12 E$ |  |
| 36 P 17008 | $12 \mathrm{BR7}$$12 \mathrm{BS} 3 \mathrm{ASE} 12 \mathrm{AY3}$ |  |  | $1.38$ |
| 36 P 17024 | $12 \mathrm{BT} 3 \quad 1.86$ |  | ${ }^{1.73}$ | 1.56 |
| 36 P 20291 | $\begin{aligned} & 12 \mathrm{BV7} \text { USE } \\ & 12 \mathrm{BV} 11 \end{aligned}$ | $\begin{array}{r} 12 \mathrm{BY} \\ 2.59 \end{array}$ | $\begin{aligned} & 712 \mathrm{~B} \\ & 2.40 \end{aligned}$ | 2.161.51 |
| 36 P 17040 | 12BW4 | 1.81 |  |  |
| 36 P 17057 | $712 \mathrm{BY} / 12 \mathrm{BV} / 12 \mathrm{CQ7}$ |  |  |  |
|  |  | $2.11$ | 1.95 | 1.761.081.87 |
| 36 P 17065 | 12日マ7 | 1.30 | 1.20 |  |
| 36 P 1707 |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 36 P 17081 | $12 \mathrm{CA5}$ | $2.35$ | $\begin{array}{lll}2.18 & 1.96\end{array}$ |  |
| 36 P 19863 | 12 CL12 CNS | 1.92 | 1.781.63 | 1.601.47 |
| 36 P 17099 |  | 1.76 |  |  |
| 36 P 17107 | 7 12CR6 | 1.59 | 1.63 1.48 | 1.331.47 |
| 36 P 21208 | $\begin{array}{ll} 8 & 12 \text { CT3 } \\ 5 & 12 \text { СT8 } \end{array}$ | 1.763.46 | 1.48 1.63 |  |
| 36 P 17115 |  |  | 1.63 3.20 | $\begin{aligned} & 1.47 \\ & 2.88 \end{aligned}$ |
| 36 P 17123 | 12 CU5/12C52.57 $2.38 \quad 2.14$ 12CU6 USE 12BQ6GTB |  |  |  |
| 36 P 17131 | $12 \mathrm{C} \times 6$ | 1.49 | $\begin{array}{lll} 1.38 & 1.24 \end{array}$ |  |
| 36 P 17149 | 12 D 4$12 \mathrm{DB5}$ | 1.651.40 | 1.531.30 | 1.38 |
| 36 P 17156 |  |  |  | 1.17 |
| 36 P 17164 | $\begin{array}{ll} 6 & 120 B 5 \\ 4 & 120 E 8 \end{array}$ | $\begin{aligned} & 1.40 \\ & 1.67 \end{aligned}$ | 1.30 1.55 | $\begin{aligned} & 1.40 \\ & 1.04 \end{aligned}$ |
| 36 P 17172 | $\begin{aligned} & 4 \text { 12DE8 } \\ & 2 \\ & \hline \end{aligned}$ | $\begin{array}{r} 1.67 \\ 1.24 \end{array}$ | 1.55 1.15 |  |
| 36 P 17206 | 6 12DQ6B/12GW6 |  |  |  |
|  | $\text { 12DQ7 USE } \begin{gathered} 2.89 \\ 12 \mathrm{BY} 7 \mathrm{~A} / 12 \mathrm{~B}, 12 \end{gathered}$ |  |  |  |

 36 P 17230 120T5 $\quad 1.841 .701 .53$ $12018 \quad 2.11 \quad 1.951 .76$ $\begin{array}{llllll}36 & \text { P } 20747 & 120 W 4 A & 2.94 & 2.73 & 2.46 \\ 36 & \text { P } 17271 & 120 W 7 & 1.65 & 1.53 & 1.38\end{array}$ $120 Z 6$ USE 12EK6/ 120Z6/12EA6 12EAG USE 12EK6/120Z6

36 P 17313 12EG6
$1.86 \quad 1.73 \quad 1.56$
36 P17321 12EK6/12DZ6/12EAS

|  |  | 1.94 | 1.80 | 2 |
| :---: | :---: | :---: | :---: | :---: |
| 36 P 17347 | 12EQ7 | 1.49 | 1.38 | 1.24 |
| 36 P 17362 | 12 F 8 | 1.76 | 1.63 | 1.47 |
| 36 P 17370 | 12FK6 | 1.38 | 1.28 | 1.15 |
| 36 P 17388 | 12FM6 | 1.40 | 1.30 | 1.17 |
| 36 P 21216 | 12 FQ 7 | 2.00 | 1.85 | 1.67 |
| 36 P 17396 | 12FQ8 | 2.81 | 2.60 | 2.34 |
| 36 P 17404 | 12FV7 | 1.84 | 1.70 | 1.53 |
| 36 P 17412 | $12 F \times 5$ | 1.94 | 1.80 | 1.62 |
| 36 P 21224 | 12FX8A | 2.08 | 1.93 | 1.74 |
| 36 P 17438 | 12GA6 | 1.46 | 1.35 | 1.22 |
| 36 P 20754 | 12GB3 | 5.05 | 4.68 | 4.21 |
|  | 12GB6 U | 12GW |  |  |
| 36 P 17446 | 12GC6 | 2.57 | 2.38 | 2.14 |
| 36 P 17453 | 12GE 5 | 3.08 | 2.85 | 2.57 |
| 36 P 17479 | 12GN7/ |  |  |  |
|  | 12MG7 | 3.19 | 2.95 | 2.68 |
| 36 P 17487 | 12GT5A | 2.89 | 2.68 | 2.41 |
|  | 12GW6 USE | 120Q |  |  |
| 36 P 17495 | $12 \mathrm{H6}$ | 2.40 | 2.23 | 2.01 |
| 36 P 17503 | 12 HE 7 | 3.67 |  | 3.06 |
|  | 12HG7 USE | 12GN | 7/12 |  |
| 36 P 17529 | 12 HL 7 | 2.89 | 2.68 | 2.41 |
| 36 P 17537 | 12 J 5 | 2.21 | 2.05 | 1.85 |
| 36 P 17545 | 12J5GT | 2.59 | 2.40 | 2.16 |
| 36 P 17560 | 12JB6A | 3.75 | 3.45 | 3.13 |
| 36 P 21521 | 12JF5 | 2.97 | 2.75 | 2.48 |
| 36 P 17578 | 12 J 6 | 2.11 | 1.95 | 1.76 |
| 36 P 17586 | 12 JN8 | 2.00 | 1.85 | 1.67 |
| 36 P 20309 | 12JQ6 | 2.40 | 2.23 | 2.01 |




RCA-GE-RAYTHEON RECEIVING TUBES (Cont.)


RCA-GE-RAYTHEON RECEIVING TUBES (Cont.)


# RCA - GE - Raytheon Receiving Tubes 

## 12 MONTH GUARANTEE

All receiving tubes are guaranteed for 12 months from date of purchase. We will replace any tube that does not give efficient performance for a full 12 month's period. This of course does not apply to burned out or broken tubes.
BRANOS: RCA-GE-RAYTHEON. We wIII supply one of these famous national brands depending on our stock availability. Some types imported.

ASSORTMENT PRIVILEGE: TUBES MAY BE ASSORTED FOR QUANTITY PRICE


# LAFAYETTE Receiving Tubes <br> THE QUALITY LINE with the 2-YEAR GUARANTEE 

Lafayette tubes are made to rigid quality standards which assure you of efficient performance and long. life. We wlll replace without charge any tube which due to defects in material or workmanship, falls in
normal use within 2 years from date of purchase. Simply bring or return the tube postpaid to the store from which you purchased it along with your original sales-slip or order. Some types imported.

ASSORTMENT PRIVILEGE: TUBES MAY BE ASSORTED FOR QUANTITY PRICE

| STOCK NO. | TUBE TYPE | $\underset{1-5}{\text { NET }}$ | $\begin{aligned} & \text { EA. } \\ & 6-24 \end{aligned}$ | $\& \quad 25$ | STOCK NO. | TUBE TYPE | $\underset{1.5}{\text { NET }}$ | $\begin{aligned} & \text { EA. } \\ & \text { 6-24 } \end{aligned}$ | $\begin{array}{r} 25 \\ \& \quad U P \end{array}$ | STOCK NO. | TUBE TYPE | $\begin{gathered} \text { NET } \\ 1-5 \end{gathered}$ | EA. $6-24$ | $\& \stackrel{25}{U P}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 P 30001 | 024 | 2.15 | 1.94 | 1.72 | 36 P 32957 | 6CG3/ | 2.15 | 1.94 | 1.72 | 36 P 32684 | 6LE8 | 3.05 | 2.75 | 2.44 |
| 36 P 30019 | 1B3/1G3GT | 2.18 | 1.96 | 1.74 |  | 6CG7 USE 6FQ | 7/6CG7 |  |  | 36 P 33021 | 6U8 | 2.40 | 2.16 | 1.92 |
| 36 P 30027 | 1K3/1J3 | 2.18 | 1.96 | 1.74 |  | 6CU6 USE 6BC | 6cte/ | 6 CU6 |  | 36 P 32700 | 6L06/6JE6C | 4.40 | 3.96 | 3.52 |
| 36 P 30035 | 125 | 2.85 | 2.57 | 2.28 | 36 P 30886 | 6C68A | 2.35 | 2.12 | 1.88 | 36 P 33039 | 6LY8 | 2.13 | 1.92 | 1.70 |
| 36 P 30068 | 1V2 | 1.28 | 1.15 | 1.02 | $\mathbf{3 6}$ P 32395 | 6C J3/6 | 6 CL 3 |  |  | 36 P 32726 | 6MD8 | 2.90 | 2.61 | 2.32 |
| 36 P 30076 | $1 \times 28$ | 2.05 | 1.85 | 1.64 |  |  | 2.03 | 1.83 | 1.62 | 36 P 31629 | 6S4A | 7.85 | 1.67 | 1,48 |
| 36 P 30084 | 2AF4B | 2.45 | 2.21 | 1.96 | 36 P 30902 | 6CL8A | 2.45 | 2.21 | 1.96 | 36 P 31652 | 6SL7GT | 2.70 | 2.43 | 2,16 |
| 36 P 32304 | 2AS2 | 2.13 | 1.92 | 1.70 | 36 P 30910 | 6 CM 7 | 2.28 | 2.05 | 1.82 | 36 P 31660 | 6SN7 GTB | 2.20 | 1.98 | 1,76 |
| 36 P 30092 | 2 AV 2 | 1.75 | 1.56 | 1.38 | 36 P 30936 | 6C08 | 2.53 | 2.28 | 2.02 | 36 P 31678 | 6T8A | 2.58 | 2.32 | 2.06 |
| 36 P 30118 | $2 \mathrm{CY5}$ | 2.68 | 2.41 | 2.14 | 36 P 30944 | 6C56 | 2.05 | 1.85 | 1.64 | 36 P 31694 | 6U8A/6K08 | 1.95 | 1.76 | 1.56 |
| 36 P 32312 | 2GK5/2FQ5A | 2.10 | 1.89 | 1.68 | 36 P 30951 | 6 C57 | 2.05 | 1.85 | 1.64 | 36 P 31710 | 6V6GTA | 2.45 | 2.21 | 1.96 |
| 36 P 30126 | 3A3B/3AW3 | 2.20 | 1.98 | 1.76 | 36 P 30969 | 6CU5 | 2.20 | 1.98 | 1.76 | 36 P 31728 | 6W4GT | 1.65 | 1.49 | 1.32 |
| 36 P 30134 | 3AT2 | 2.13 | 1.92 | 1.70 | 36 P 30985 | 6CW4/60S4 | 3.10 | 2.79 | 2.48 | 36 P 31744 | $6 \times 4$ | 1.68 | 1.69 | 1.50 |
| 36 P 30167 | 3B26 | 2.03 | 1.83 | 1.62 | 36 P 30993 | $6 \mathrm{CX8}$ | 2.80 | 2.52 | 2.24 | 36 P 31751 | 6X5G7 | 1.95 | 1.76 | 1.56 |
| 36 P 30175 | 3CB6/3CF6 | 1.48 | 1.33 | 1.18 | 36 P 31009 | 6 CY 5 | 2.68 | 2.41 | 2.14 | 36 P 31769 | 6X8A | 2.23 | 2.01 | 1.78 |
| 36 P 32890 | $308 / 3 \mathrm{CY} 3$ | 2.40 | 2.16 | 1.92 | 36 P 31025 | 6C25 | 2.60 | 2.34 | 2.08 | 36 P 32759 | 6Z10/6110 | 3.33 | 3.00 | 2.66 |
| 36 P 32320 | 3076A | 1.80 | 1.62 | 1.44 | 36 P 31041 | 6DE4 | 2.08 | 1.87 | 1.66 | 36 P 31777 | 7 7 7 7 | 1.55 | 1.40 | 1.24 |
| 36 P 30209 | 3GK5 | 2.10 | 1.89 | 1.68 | 36 P 31058 | 6DE6 | 1.80 | 1.62 | 1.44 | 36 P 31785 | 8AW8A | 2.93 | 2.64 | 2.34 |
| 36 P 32908 | 3HM5/3 | 1.93 | 1.74 | 1.54 | 36 P 31066 | 60E7 | 2.45 | 2.21 | 1.96 | 36 P 32767 | 8810 | 2.43 | 2.19 | 1.94 |
| 36 P 32336 | 3 HQ5 | 3.10 | 2.79 | 2.48 | 36 P 31074 | 60K6 | 1.78 | 1.60 | 1.42 | 36 P 31793 | 8F07/8CG | 1.63 | 1.47 | 1.30 |
| 36 P 30217 | 3V4 | 2.23 | 2.01 | 1.78 | 36 P 31082 | 6DQ5 | 4.20 | 3.78 | 3.36 | 36 P 32437 | 8178 | 2.20 | 1.98 | 1.76 |
| 36 P 30233 | 4826 | 2.03 | 1.83 | 1.62 | 36 P 31090 | 60Q6B/6GW6 | 2.93 | 2.64 | 2.34 | 36 P 33047 | 10CW5/LL86 | 1.28 | 1.15 | 1.02 |
| 36 P 32346 | 4CB6 | 1.48 | 1.33 | 1.18 | 36 P 31108 | $60 R 7$ | 2.78 | 2.50 | 2.22 | 36 P 31801 | 10DE7 | 2.68 | 2.41 | 2.14 |
| 36 P 32353 | 4DT6A | 2.08 | 1.97 | 1.66 |  | 6DS4 USE | N4 6DS | 4 |  | 36 P 52945 | 10GN8 | 2.68 | 2.41 | 2.14 |
| 36 P 32361 | 4EJ7/LF | 1.95 | 1.76 | 1.56 | 36 P 31116 | 60T6A | 1.78 | 1.60 | 1.42 | 36 P 33054 | 10JY8 | 2.00 | 1.80 | 1.60 |
| 36 P 32916 | 4LJ8 | 2.40 | 2.16 | 1.92 |  | 60W4B USE | 13/6 | W48 | 6CL3 | 36 P 31819 | 12AD6/12GA6 | 2.03 | 1.83 | 1.62 |
| 36 P 30258 | 5AQ5 | 2.03 | 1.83 | 1.62 | 36 Pr 32965 | 6DX8/ECL84 | 1.45 | 1.31 | 1.16 | 36 P 31827 | 12AT6 | 1.53 | 1.38 | 1.22 |
| 36 P 32478 | 5AR4/G | 2.13 | 1.92 | 1.70 | 36 P 31132 | 6024/6AF4A | 2.45 | 2.21 | 1.96 | 36 P 31835 | 12AT7/ECC81 | 1.78 | 1.60 | 1.42 |
| 36 P 30282 | 5CG8 | 2.20 | 1.98 | 1.76 |  | 6EAT USE GE | 17 / 6EA |  |  | 36 P 31843 | 12AU6 | 1.93 | 1.74 | 1.54 |
| 36 P 30290 | 5CL8A | 2.68 | 2.41 | 2.14 | 36 P 31157 | 6EA8 | 2.15 | 1.94 | 1.72 | 36 P 31850 | 12AU7 |  |  |  |
| 36 P 32924 | 5GH8A | 2.58 | 2.32 | 2.06 | 36 P 31165 | 6EB8 | 2.83 | 2.55 | 2.26 |  |  | 1.55 | 1.40 | 124 |
| 36 P 32379 | 5KE8 | 3.33 | 3.00 | 2.66 | 36 P 31173 | 6EH7/EF 183 | 1.93 | 1.74 | 1.54 | 36 P 31876 | 12AV6 | 1.28 | 1.15 | 1.02 |
| 36 P 32494 | 5L8 | 2.40 | 2.16 | 1.92 | 36 P 31181 | 6EJ7/EF184 | 1.78 | 1.60 | 1.42 | 36 P 31884 | 12AV7 | 2.53 | 2.28 | 2.02 |
| 36 P 30316 | 5U4GB | 1.68 | 1.51 | 1.34 |  | GEL4A USE 6 | K4C/6E | EL4A |  | 36 P 31892 | $12 A \times 4 G T B$ | 1.83 | 1.65 | 1.46 |
| 36 P 30324 | 548 | 2.55 | 2.30 | 2.04 | 36 P 31199 | 6EM5 | 2.45 | 2.21 | 1.96 | 36 P 31900 | 12AX7A/ECC8 |  |  |  |
| 36 P 30332 | 5 Y3GT | 1.63 | 1.47 | 1.30 | 36 P 31207 | 6EM7/6EA7 | 3.08 | 2.77 | 2.46 |  |  | 1.40 | 1.26 | 1.12 |
| 36 P 30340 | 6AB4 | 1.98 | 1.78 | 1.58 | 36 P 32551 | 6EU7 | 2.18 | 1.96 | 1,74 | 36 P 31918 | 12AZ7A | 2.20 | 1,98 | 1.76 |
| 36 P 30357 | 6AF3/6 | 2.03 | 1.83 | 1.62 | 36 P 31231 | 6EW6 | 1.95 | 1.76 | 1.56 | 36 P 31926 | 12B4A | 2.20 | 1.98 | 1.76 |
|  | 6AF4A | 202/6A | F4A |  | 36 P 31249 | $6 \mathrm{FG7}$ | 2.53 | 2.28 | 2.02 | 36 P 31934 | 12BA6 | 1.55 | 1.40 | 1.24 |
| 36 P 32932 | 6AG9 | 3.43 | 3.09 | 2.74 | 36 P 31264 | $6 \mathrm{FM7}$ | 2.53 | 2.28 | 2.02 | 36 P 31942 | 12BE6 | 1.68 | 1.51 | 1.34 |
| 36 P 30381 | 6AHagt | 1.63 | 1.47 | 1.30 |  | 6F05A | 5/6F0 | Q5A |  | 36 P 31959 | 12BH7A | 2.13 | 1.92 | 1.70 |
| 36 P 30399 | 6АН6 | 2.90 | 2.61 | 2.32 | 36 P 31280 | 6F07/6CG7 | 1.63 | 1.47 | 1.30 | 36 P 31975 | 12BY7A/ |  |  |  |
| 36 P 30407 | 6AK5/E | 2.38 | 2.14 | 1.90 |  | 6FV8A USE | R8A/6F | V8A |  |  |  | 1.95 | 1.76 | 1.56 |
| 36 P 30415 | 6AL5 | 1.46 | 1.30 | 1.18 | 36 P 31298 | 6GE5 | 3.13 | 2.82 | 2.50 | 36 P 31983 | 12C5/12 | 2.38 | 2.14 | 1.90 |
| 36 P 30423 | 6AM8A | 2.53 | 2.28 | 2.02 | 36 P 31306 | 6GF7A | 2,88 | 2.59 | 2.30 | 36 P 32007 | 12006B | 2.83 | 2.55 | 2.26 |
| 36 P 30431 | 6AN8A | 2.75 | 2.48 | 2.20 | 36 P 31314 | 6GH8A | 1.73 | 1.56 | 1.38 |  | 12GA6 USE 12 | 2AD6/1 | GA6 |  |
| 36 P 30449 | 6A05A/ | 1.65 | 1.97 | 1.48 | 36 P 32569 | 6G17/ECF801 | 1.55 | 1.40 | 1.24 | 36 P 32015 | 12GN7A | 2.95 | 2.66 | 2.36 |
| 36 P 32940 | 6AQB/ | 1.50 | 1.35 | 1.20 | 36 P 31322 | 6GK5/6FQ5A | 2.53 | 2.28 | 2.02 | 36 P 33062 | 12HG7/ |  |  |  |
| 36 P 30456 | 6AS5 | 2.23 | 2.01 | 1.78 | 36 P 31330 | 6GM6 | 2.13 | 1.92 | 1.70 |  |  | 2.95 | 2.66 | 2.36 |
| 36 P 30498 | 6AU4GTA | 2.60 | 2.34 | 2.08 | 36 P 32577 | 6GN8 | 2.83 | 2.55 | 2.26 | 36 P 32809 | 12HL7 | 2,68 | 2.41 | 2.14 |
| 36 P 30506 | 6AU6a | 1.63 | 1.47 | 1.30 | 36 P 31348 | 6GU7 | 2.28 | 2.05 | 1.82 | 36 P 32817 | $13 \mathrm{DR7}$ | 2.85 | 2.57 | 2.28 |
| 36 P 30514 | 6AU8A | 3.10 | 2.79 | 2.48 | 36 P 32585 | 6GV5 | 2.45 | 2.21 | 1.96 | 36 P 32825 | 13 EM7 / 15 EA7 | 3.35 | 3.02 | 2.68 |
| 36 P 30530 | gav6 | 1.48 | 1.33 | 1.18 |  | 6GWG USE 60 | 268/60 | GW6 |  | 36 P 33070 | 13210/13J10 | 3.43 | 3.09 | 2.74 |
| 36 P 30548 | 6AW8A | 2.45 | 2.21 | 1.96 | 36 P 31355 | 6GW8/ECL86 | 1.53 | 1.38 | 1.22 |  | $15 E A 7$ USE 13 | EM7/1 | EA7 |  |
| 36 P 30563 | 6AX4GTB | 2.03 | 1.83 | 1.62 | 36 P 31363 | 6GY6/6GX6 | 1.88 | 1.69 | 1.50 | 36 P 32452 | 15 KY 8 A | 3.48 | 3.13 | 2.78 |
| 36 P 30571 | 6AY3B/6BS3A | 2.03 | 1.83 | 1.62 | 36 P 32429 | 6HA5/6HM5 | 2.10 | 1.99 | 1.68 | 36 P 33088 | 17AY3A/17BS | $3 \mathrm{~A} / 170$ | W4A |  |
| 36 P 32387 | 6810 | 2.45 | 2.21 | 1.96 | 36 P 31371 | $6 \mathrm{HB7}$ | 2.35 | 2.12 | 1.88 |  |  | 2.03 | 1.83 | 1.62 |
| 36 P 30589 | 6BA6/EF93 | 1.80 | 1.62 | 1.44 | 36 P 31389 | 6HE5 | 2.78 | 2.50 | 2.22 | 36 P 32833 | 178 E 3 | 2.03 | 1.83 | 1.62 |
| 36 P 30597 | 6BA8A | 2.60 | 2.34 | 2.08 | 36 P 31397 | 6HF8 | 2.95 | 2.66 | 2.36 | 36 P 32106 | 17006 |  |  |  |
| 36 P 30605 | 6BA11 | 2.68 | 2.41 | 2.14 |  | $6 \mathrm{HG5}$ US | Q5A/6H | HG5 |  |  |  | 3.03 | 2.73 | 2.42 |
| 36 P 30621 | 6BC8/6BZ8 | 2.68 | 2.41 | 2.14 |  | 6HM5 USE | 145/6H1 | M5 |  | 36 P 32866 | 17JN6 | 2.88 | 2.59 | 2.30 |
| 36 P 30639 | 6BE6 | 1.88 | 1.69 | 1.50 | 36 P 32973 | 6HQ5 | 2.78 | 2.50 | 2.22 | 36 P 32114 | 17178 | 1.95 | 1.76 | 1.56 |
| 36 P 30647 | 68G6GA | 3.58 | 3.22 | 2.86 | 36 P 32601 | $6 \mathrm{HS5}$ | 4.25 | 3.83 | 3.40 | 36 P 32122 | 19AU4GTA | 2.18 | 1.96 | 1.74 |
| 36 P 30654 | 68H6 | 2.20 | 1.98 | 1.76 | 36 P 31413 | 6HS8 | 2.60 | 2.34 | 2.08 | 36 P 33096 | 20AQ3/LY88 | 1.63 | 1.47 | 1.30 |
| 36 P 30662 | 6BH8 | 2.93 | 2.64 | 2.34 | 36 P 31421 | 6H26 | 1.73 | 1.56 | 1.38 | 36 P 32130 | $21 \mathrm{GY5}$ | 2.53 | 2.28 | 2.02 |
| 36 P 30670 | 68 J 6 | 2.20 | 1.98 | 1.76 | 36 P 31447 | 6J6A | 2.45 | 2.21 | 1.96 | 36 P 33104 | $21 J 36$ | 2.68 | 2.41 | 2.14 |
| 36 P 30688 | 6BK4C/6EL4A | 4.08 | 3.67 | 3.26 | 36 P 32981 | 6J86A | 3.58 | 3.22 | 2.86 | 36 P 32163 | 2379 | 2.60 | 2.34 | 2.08 |
| 36 P 30696 | 6 BK 78 | 2.60 | 2.34 | 2.08 | 36 P 31462 | 6JCGA | 2.45 | 2.21 | 1.96 | 36 P 33112 | 24LQ6/24JE6C |  |  |  |
| 36 P 30712 | 68L8/ECF80 | 1.35 | 1.22 | 1.06 |  | 6JE6C USE | L06/6JE | E6C |  |  |  | 4.63 | 4.17 | 3.70 |
| 36 P 30720 | 6BM8/ELC82 | 1.45 | 1.31 | 1.16 | 36 P 31488 | 6JH6 | 1.95 | 1.76 | 1.56 | 36 P 32171 | 25BQ6GTB/25 | $5 \mathrm{CU6}$ |  |  |
| 36 P 30738 | 6BN4A | 2.00 | 1.80 | 1.60 | 36 P 31504 | 6JM6A | 3.13 | 2.82 | 2.50 |  |  | 2.20 | 1.98 | 1.76 |
| 36 P 30746 | 68N6/6KS6 | 2.48 | 2.23 | 1.98 | 36 P 31512 | 6JN6 | 2.93 | 2.64 | 2.34 | 36 P 32205 | 25L6GT | 2.03 | 1.83 | 1.62 |
| 36 P 30753 | 6BN8 | 2.15 | 1.94 | 1.72 | 36 P 32999 | 6JN8 | 2.00 | 1.80 | 1.60 | 36 P 32213 | 33GY7A | 3.50 | 3.15 | 2.80 |
| 36 P 30761 | 6BQ5/EL84 | 1.95 | 1.76 | 1.56 | 36 P 31520 | $6156 C$ | 4.03 | 3.63 | 3.22 | 36 P 32221 | $35 \mathrm{C5}$ | 1.75 | 1.58 | 1.40 |
| 36 P 30779 | 6BQ6GTB/6CU6 |  |  |  | 36 P 31546 | $6 J \cup 8 A$ | 2.43 | 2.19 | 1.94 | 36 P 32239 | 35L6GT | 2.45 | 2.21 | 1.96 |
|  |  | 2.95 | 2.66 | 2.36 | 36 P 32627 | 6128 | 1.93 | 1.74 | 1.54 | 36 P 32247 | 35 W 4 | 1.08 | . 97 | . 86 |
| $\mathbf{3 6 ~ P ~} 30787$ | 6BR3 USE 6AF3/6BR3 |  |  |  | 36 P 31553 | 6K6GI | 2.20 | 1.98 | 1.76 | 36 P 32254 | 3575 CT | 1.70 | 1.53 | 1.36 |
|  |  |  |  |  | 36 P 31561 | 6KA8 | 2.68 | 2.41 | 2.14 | 36 P 32262 | $384 E 7$ | 3.98 | 3.58 | 3.18 |
| 36 P 30795 | 68R8A/6FV8A | 2.60 | 2.34 | 2.08 | 36 P 33005 | 6KD6 | 4.88 | 4.39 | 3.90 | 36 P 33120 | 42KN6 | 3.98 | 3.58 | 3.18 |
|  | 6B53A USE 6A | AY3A/6 | B53A |  |  | $6 \mathrm{KD8}$ U | A/6kD | D8 |  | 36 P 32270 | 50 C 5 | 1.68 | 1.51 | 1.34 |
| 36 P 30811 | 6BU8 | 2.78 | 2.50 | 2.22 | 36 P 33013 | 6KE6 | 3.33 | 3.00 | 2.66 | 36 P 32288 | 50EH5 | 1.95 | 1.76 | 1.56 |
| 36 P 30829 | 6B26 | 1.70 | 1.53 | 1.36 |  | 6KS6 USE 6B | N6/6KS | S6 |  | 36 P 32296 | 50L6GT | 2.45 | 2.21 | 1.96 |
|  | USE 6BQ7A/6B276BZ7 USE 6BC8/6B28 |  |  |  | 36 P 32650 | 6KT8 | 2.95 | 2.66 | 2.36 | 36 P 32882 | 7025 | 1.55 | 1.40 | 1.24 |
|  |  |  |  |  | 36 P 32668 | 6KY8A | 4.08 | 3.67 | 3.26 | 36 P 33138 | 7189A | 2.33 | 2.10 | 1.86 |
| 36 P 30845 | ${ }_{6}^{6 C 4}$ | 2.03 | 1.83 | 1.62 | 36 P 31587 | $6 \mathrm{KZ8}$ | 2.23 | 2.01 | 1.78 | 36 P 33146 | 7199 | 3.20 | 2.88 | 2.56 |
| 36 P 30852 | 6CB6A/6CF6 | 1.80 | 1.62 | 1.44 | 36 P 31595 | 6L6GC | 3.25 | 2.93 | 2.60 | 36 P 33153 | 7868 | 3.20 | 2.88 | 2.56 |



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|  |  |  |

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Yes, if you Joln now - you may have ANY 8 of these selections for only $\$ 2.86$. Just mail the postpaid application (be sure to indicate whether you want cartridges, cassettes, reel tapes or records). In exchange
You agree to buy fust seven more selections (at regular Club prices) in the coming year and you may cancel membersnip any time after doing so.
Your own charge account will be opened upon enrollment .... and the selections you order as a member will be mailed and billed at the regular Club prlces: cartridges and cassettes, $\$ 6.98$; reel-to-reel tapes, $\$ 7.98$; records, $\$ 4.98$ or $\$ 5.98$. . . plus a processing and postage charge. (Occasional special selections may be somewhat higher.)
You may accept or reject sefections as follows: every four weeks you will receive a new copy of the Club's music magazine, which describes the regular selection for each musical interest. . plus hundreds of alternate selections from every field of music.
... If you do not want any selection omered, Just mall the response card provided by the date specifled
If you want onty the regular selection for your muslcal interest, you need do nothing - It will be shipped to you automatically
... If you want any of the other selactions offered, Just order them on the response card and mall it by the date specifled
and from Itme to time we will offer some special selections, which you may reject by maillng the dated form always provided... or accept by doing nothing. You'll be eligible for our bonus plan upon completing your enrollment agreement - a plan which enables you to save at least $33 \%$ on all future purchases. Act nowl

[^12]
# Now - from Columbia - at great savings ... <br> Any 8 records or tapes ${ }^{6}{ }^{\text {an }}{ }^{5} 2^{86}$ 

TAKE YOUR PICK

|  | 12" stereo records |
| :---: | :---: |
| OR |  |
| nill OR | 8-track cartridges |
| - | tape cassettes |
| OR |  |
| -9\% | " reel-to-reel |

If you join now and agree to buy 7 selections (at regular Club prices) in the coming year


# General Electric and RCA Picture Tubes 

## THREE-YEAR GUARANTEE

Warranteed by the manufacturer against defects in workmanship, materials, and construction for 3 years.
If a defect covered by this warranty should cause a tube to become inoperable within the warranty period from first installation date, return your tube, transportation prepaid, and warranty and sales slip and shipping document to point of purchase for replacement; except for color tubes which are covered by the above warranty for only 1 year.
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 contain used materials which, prior to reuse have been carefully inspected and tested.

YOUR OLD TUBE IS WORTH MONEY If you return your old picture tube (Dud) when you purchase a new one, we will credit you for its value as shown in the column headed "Dud Value." Duds must be brought or shipped prepaid to us and must be intact, under vacuum and without scratches. Do not bring in tubes for which no value is shown.

NOTE: WE WILL FILL YOUR ORDER WITH EITHER A G.E. OR AN RCA TUBE DEPENDING UPON STOCK AVAILABILITY.

| STOCK N0. | $\begin{aligned} & \text { TUBE } \\ & \text { TYPE } \end{aligned}$ | SHPG. WT. LBS. | NET EA. | $\begin{aligned} & \text { DUD } \\ & \text { VALUE } \end{aligned}$ | STOCXNO. | TUBE TYPE | SHPG. WT. LES. | $\begin{aligned} & \text { NET } \\ & \text { EA. } \end{aligned}$ | $\begin{aligned} & \text { DUD } \\ & \text { VALUE } \end{aligned}$ | STOCK No. | $\begin{aligned} & \text { TUBE } \\ & \text { TYPE } \end{aligned}$ | SHPG. WT. LBS. | $\begin{aligned} & \text { NET } \\ & \text { EA. } \end{aligned}$ | $\begin{aligned} & \text { DUD } \\ & \text { VALUE } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 P 40174WX | $9 \mathrm{VP4}$ | 4 | 30.60 | 1.25 | 36 P 82192WX | 17EMP4 | 14 | 38.00 | - | 36 P 82358 WX | $21 E M P 4 /$ |  |  |  |
| 36 P 81640WX | 9WP4 | 4 | 26.95 |  | 36 P 80477 WX | 17HP4C | 17 | 25.32 |  |  |  | 26 | 29.15 |  |
| 36 P 82291WX | $11 \mathrm{HP4}$ | 6 | 25.35 |  | 36 P 80485 WX | 17LP48 | 23 | 24.15 |  | 36 P 80915 WX | $21 Y P 48$ | 33 | 24.50 |  |
| 36 P 81673WX | 11UP4 | 6 | 23.00 |  | 36 P 80519WX | 19ABP4 | 16 | 38.60 |  | 36 P 80923WX | 21ZP4C | 31 | 24.50 |  |
| 36 P 81681 wx | 128EP4 | 8 | 26.25 |  | 36 P 80527 WX | 19AFP4 | 24 | 47.51 | 4.00 | 36 P 80949WX | 23AHP4/ |  |  |  |
| 36 P 82135 WX | $12 \mathrm{KKP4}$ | 7 | 25.20 |  | $36 \mathrm{P} 80543 W \mathrm{X}$ | 19AJP4 | 16 | 34.30 | 4.00 |  | ASP4 ${ }^{\text {a }}$ | 32 | 42.35 |  |
| 36 P 81442WX | 12BNP4A | 7 | 25.60 |  | 36 P 80568 WX | 19AVP4 | 17 | 34.30 | 4.00 | 36 P 81574 WX | 23ARP4 | 31 | 46.20 | 4.00 6.00 |
| 36 P 81699WX | 128ZP4 | 8 | 27.90 |  | 36 P 80576 WX | 19AYP4 | 17 | 34.30 | 4.00 | 36 P 80998 WX | $23 \mathrm{BKP4}$ | 49 | 47.45 | 6.00 6.00 |
| 36 P 01624 WX | 12CDP4 | 8 | 27.90 |  | 36 P 80584 WX | 19BDP4 | 18 | 34.30 | 4.00 | 36 P 81020WX | 238094 | 40 | 47.45 | 6.00 6.00 |
| 36 P 82143WX | 12CWP4 | 8 | 27.90 |  | 36 P 81509 WX | $19 \mathrm{CHP4}$ | 18 | 34.30 | 4.00 | 36 P 81038WX | $23 \mathrm{BPP4}$ | 42 | 47.45 | 6.00 6.00 |
| 36 P 82317WX | 120FP4 | 7 | 32.15 |  | 3E P 81525WX | $19 \mathrm{CXP4}$ | 17 | 34.30 | 4.00 | 36 P $81053 W X$ | 23 CP 4 A | 42 | 47.45 | 6.00 6.00 |
| 36 P 82416 WX | 120GP4 | 7 | 23.70 |  | 36 P 81798WX | 1908P4 | 20 | 39.50 | 4.00 | 36 P 81152 WX | $23 E P 4$ | 35 | 47.45 | 6.00 6.00 |
| 36 P 81715WX | $13 A P 4$ | 9 | 33.00 |  | 36 P 81806 WX | 190KP4 | 20 | 33.30 |  | 36 P 81996WX | 23ENP4 | 34 | 46.30 | 6.00 4.00 |
| 36 P 82150 WX | 16AUP4 | 11 | 32.00 |  | 36 P 40059 WX | 19DQP4 | 18 | 36.65 | 1.00 | 36 P $40083 W X$ | $23 E N P 4$ 23EYP4 | 34 | 46.30 50.00 | 4.00 4.00 |
| 36 P 81632WX | 16CQP4 | 11 | 30.60 |  | 36 P 81384WX | $19 \mathrm{ECP4}$ | 18 | 36.65 | 1.00 | $36 ~ P ~$ 36 $3681178 W$ | 23EYP4 | 45 | 50.00 42.10 | 4.00 6.00 |
| 36 P 82176 WX | 16CWP4 | 12 | 31.60 |  | 36 P 81822 WX | 19EGP4 | 19 | 37.95 | 1.00 | 36 P 81178WX | 23FP4A | 35 | 50.50 | 6.00 6.00 |
| 36 P 81764 WX | 16RP4B | 19 | 20.70 |  | 36 P 81871WX | 19GAP4 | 19 | 38.35 | 1.00 | 36 P 82036WX | 23FRP4 | 33 | 50.10 | 6.00 6.00 |
| 36 P 80295WX | $17 \mathrm{BP4D}$ | 16 | 22.55 |  | 36 P 81897WX | 21AMP4B | 19 | 26.00 26.35 |  | 36 P 81202 WX | 23NP4 | 21 | 42.10 | 6.00 |
| 36 P 80287WX | 178JP4 | 16 | 26.95 |  | 36 P 81905WX | 21CBPAA | 26 | 23.25 |  | 36 P $81236 W X$ | 24AEP4 | 39 | 32.95 |  |
| 36 P 80303 WX | 178WP4 | 14 | 22.55 |  | 36 P 80741wx | $21 \mathrm{CQP4}$ | 24 | 30.15 |  | 36 P 81244WX | 24AHP4 | 34 | 48.10 | 4.00 |
| 36 P 80410WX | 1709P4 | 13 | 26.75 |  | 36 P 80782WX | $2101 P 4$ | 26 | 29.25 | - | 36 P $81277 W X$ | 24AUP4 | 39 | 39.25 |  |
| 36 P 80428WX | 17DRP4 | 13 | 30.15 |  | 36 P 81921WX | $2105 P 4$ | 30 | 30.50 |  | 36 P 81303WX | 24CP4B | 41 | 32.95 |  |
| 36 P 80436WX | 170SP4 | 13 | 28.45 |  | 36 P 80790 WX | 21EP4C | 33 | 31.65 | - | 36 P 82127WX | 272P4 | 52 | 96.8 | 16.50 |

## COLOR PICTURE TUBES

| STOCK NO. | $\begin{aligned} & \text { TUBE } \\ & \text { TYPE } \end{aligned}$ | SHPG. WT. LBS. | NET <br> EA. | $\begin{aligned} & \text { DUD } \\ & \text { VALUE } \end{aligned}$ | STDCK No. | $\begin{aligned} & \text { TUBE } \\ & \text { TYPE } \end{aligned}$ | SHPG. WT. LBS. | $\begin{aligned} & \text { NET } \\ & \text { EA. } \end{aligned}$ | $\begin{aligned} & \text { DUD } \\ & \text { VALUE } \end{aligned}$ | STOCK No. | TUBE TYPE | SHPG. WT. LBS. | $\begin{aligned} & \text { NET } \\ & \text { EA. } \end{aligned}$ | $\begin{aligned} & \text { DUD } \\ & \text { VALUE } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 P 40356WX | 11 SP22 | 10 | 71.00 | 4.00 | 36 P 40398WX | 21F8P22 | 47 | 66.40 | 6.50 | 36 P 40513WX | 25CP22 | 53 | 100.55 | 24.00 |
| 36 P 40463WX | 19GVP22/ |  |  |  | $36 \text { P 40406WX }$ | 21FJP22 | 52 | 72.50 | 6.50 | 36 P 40521WX |  |  |  |  |
|  | EXP22 | 30 | 96.80 | 4.00 | $36 \text { P 40299WX }$ | $21 \mathrm{GFP22}$ | 40 | 123.35 | 9.00 |  | 25AP22A | 54 | 115.70 | 24.00 |
| 36 P 40471 WX | 19GWP22/ |  |  | 4.00 | 36 P 40414WX | 22JP22 | 39 | 105.85 | 11.50 | 36 P 40539WX | 25YP22/ |  |  |  |
| 36 P 40117wx | 21CYP22A | 46 | 60.00 | 0, | 36 P 40638 WX | 258 CP 22 | 43 | 126.75 | -24.00 |  | 25BP22A | 50 | 110.35 | 24.00 |

## RCA-GE-RAYTHEON

SPECIAL PURPOSE TUBES
RCA-GE-RAYTHEON
The tubes shown in this listing will be supplied from brand new factory boxed stock manufactured by RCA. GE or Raytheon. Type shown with * is Victoreen Mifg. Quantity users please contact our Stock No. Tube Type NetEa. StockNo. Tube Type Net Ea.

| Stock No. | Tube Type | NetEa. | Stock No. | Tube Type | Net Ea. | Stock No. | Tube Type N | Net Ea. | Stock No. | Tute Type Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 P 41008 | OA2 | 1.60 | 36 P 41727 | 6AS6 | 390 | 36 P 42675 | $5 ¢ 42$ | 3.75 | 36 P 43723 | 6417 析 3.84 |
| 36 P 41024 | OA3 | 1.90 | 36 P 41735 | 6AS7GA | 5.61 | 36 P 42603 | 5651A | 2.15 | 36 P 438806 | 6550 - 6.45 |
| 36 P 41032 | OA4G | 2.55 | 36 P 41743 | 6AU6WB | 3.56 | 36 P 42709 | 5653 | 6.20 | 36 P 43863 | 6669/6AQ5A 1.95 |
| 36 P 41040 | $0 \mathrm{B2}$ | 1.75 | 36 P 41768 | 6018/ECC68 | 2.45 | 36 P 42808 | 5686 | 4.35 | 36 P 43871 | 6677 6CL6 2.70 |
| 36 P 41065 | 083 | 2.50 | 36 P 41834 | 1246 | 4.55 | 36 P 42857 | 5696 | 2.35 | 36 P 43897 | 6679/12AT7 2.05 |
| 36 P 41073 | OC2 | 1.85 | 36 P 41842 | 12AT7WE | 3.32 | 36 P 42931 | 5726/6AL5W | N 2.40 | 36 P 43905 | 6680/12AU7A 1.75 |
| 36 P 41081 | 0C3 | 1.85 | 36 P 41933 | 83 | 2.56 | 36 P 42956 | 5727 | 3.30 |  | $6681 / 12 A \times 7 A$ 6883 |
| 36 P 41099 | 003 | 1.85 | 36 P 41990 | 807 | 6.05 | 36 P 43012 | 5751 | 3.25 | 36 P 43947 |  |
| 36 P 41123 | 1885* | 20.24 | 36 P 42006 | 811 A | 9.25 | 36 P 43046 | 5763 | 2.95 | 36 P 43954 | 6922/E88CC 5.35 |
| 36 P 41131 | 1C21 | 5.70 | 36 P 42014 | 812A | 7.60 | 36 P 43061 | $5814 A$ | 3.00 | 36 P 43988 | $7054-1.85$ |
| 36 P 41172 | 114 | 1.67 | 36 P 42048 | 816 | 5.20 | 36 P 43095 | 5823 | 2.00 | 36 P 44002 | 7056 |
| 36 P 41248 | 1 P 40 | 7.45 | 36 P 42121 | 866A | 5.05 | 36 P 43194 | 5881 | 3.10 | 36 | $7059 \quad 1.85$ |
| 36 P 41362 | 2021 | 1.65 | 36 P 42139 | 868 | 8.55 | 36 P 43269 | 5915 | 2.17 | 36 P | $7060 \quad 2.30$ |
| 36 P 41396 | 2 E 26 | 5.15 | 36 P 42154 | 884 | 3.72 | 36 P 43277 | 5963 | 1.65 | 36 P 44036 | $7061 \quad 1.85$ |
| 36 P 41438 | $2 \times 2 \mathrm{~A}$ | 5.60 | 36 P 42212 | 922 | 5.50 | 36 P 43293 | 5965 | 2.45 | 36 P 44093 | 7360 - 5.38 |
| 36 P 41446 | 3A4 | 2.58 | 36 P 42253 | 927 | 10.40 | 36 P 43327 | 6012 | 8.70 | 36 P 44101 | 7551 4.38 |
| 36 P 41453 | 3 A 5 | 2.79 | 36 P 42261 | 929 | 5.75 | 36 P 43426 | 6080 | 5.90 | 36 P 44127 | 7558 - 3.95 |
| 36 P 41487 | 3828 | 10.55 | 36 P 42279 | 930 | 6.90 | 36 P 43442 | 6082 | 5.84 | 36 P 44150 | $7587 \quad 5.99$ |
| 36 P 41560 | 3 KPI | 37.10 | 36 P 42303 | 934 | 9.60 | 36 P 43509 | 6136 | 3.50 | 36 P 44200 | 7905 4.47 |
| 36 P 41578 | 3RP1 | 22.40 | 36 P 42329 | 955 | 7.05 | 36 P 43517 | 6146A | 4.90 | 36 P 44218 | 79845.85 |
| 36 P 41644 | 58P1A | 49.00 | 36 P 42428 | 1614 | 7.03 | 36 P 43525 | 6146B/8298A | A 6.00 | 36 P 44317 | 8077/7054 1.86 |
| 36 P 41669 | 5R4GYB | 2.60 | 36 P 42493 | 1625 | 7.00 | 36 P 43590 | 6201 | 3.54 | 82984 | Use 6146B/829SA |
| 36 P 41677 36 P 41693 | SUP1 | 21.70 3.60 | 36 P 42501 | 1629 | 3.47 | 36 P 43632 36 P 43699 | 6211 6360 | 2.95 5.45 | 36 P 44374 | 9005 8.05 |
| 36 P 41701 | 6AK6 | 1.68 | 36 P 42527 | 2050A | 2.70 | 36 P 43707 | 6386 | 9.50 | 36 P 44382 | $9006 \quad 3.23$ |

## LAFAYETTE T735A VIDICON TUBE FOR CLOSED CIRCUIT TV CAMERAS

A small $1^{\prime \prime}$ diameter camera tube for televising live scenes in many industrial closed circuit TV systems. Its high sensitivity produces high quality pictures under normal room or industrlal area lighting conditions. Has 600 to 900 line resolution. Size: $61 / 4-1 \times 1^{\prime \prime}$ dia. Imported. Shpg, wt., 5 oz.

# Miniature Pilot Lamps and Sockets 



AC-DC PILOT LAMPS

$\begin{array}{lllll}\mathrm{K} & \mathrm{L} & \mathrm{N} & \mathbf{Q}\end{array}$
Rated at $115-125 \mathrm{~V}$. 1500 hours average use. All are Candelabra Screw base except t are Double Contact Bayonet Candelabra and $\ddagger$ is miniature bayonet. All clear except * is white. Average shpg. wt., 2 oz. each.


For radio and T.V. pilot lights, pane Is, flashlights, toys, appliances, coln machines, autos, etc Base code: 1-single contact flanged, 2 -miniature screw, 3 . double contact index. 5 - single contact midget, 6- single contact bayonet, 7 . double contact bayonet, 8 - midget screw, 9 miniature bayonet, 10 - two pin. Under AMPS, CP means candlepower. t-25,000 hour sub miniature lamp. Shipg. wt., box 10 is 4 oz., 1 lamp, 2 oz .


Channel Selector Dial Indicator Lamp. Used in Lafayette Citizens Band and communications equipment. Operates on 6 voits AC or DC. Can operate on 12 volts with series voltage dropping resistor. Size: $y_{2}{ }^{\prime \prime}$ long $x y_{2}{ }^{\prime \prime}$ dia. with 9 inch leads. Imported. Shpg. wt., 2 oz.
99 P 63612
Net 29

## NEON GLOW LAMPS

For 105-125 VAC operation. Screw types have resistor in base for $105-125 v$ others require external resistor. AC starting voltage shown: DC starting voltage $40 \%$ higher. Shpg. Wt., 2 or *denotes high brightness types


| Stock No. | Type |  | Watis | Start Volt | Base Type | Each | 10 for |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 66731 | A9A | NE-2E, NE-2 | 1/10 | 65 | Wire Term | . 22 | 1.30 |
| 32 P 66830 | C2A* | NE-2. NE-2H | $1 / 4$ | 95 | Wire Term | . 22 | 1.30 |
| 32 P 66798 | B7A | NE-45 | 1/4 | 65 | Cand. Screw | 1.67 | 10.00 |
| 32 P 66814 | BIA | NE.51 | $1 / 25$ | 65 | S.C. Bay. MIn | . 48 | 2.89 |
| 32 P 66822 | B2A* | NE.51H | 1/4 | 95 | S.C. Bay. Min | . 48 | 2.89 |
| 32 P 66897 | 5 AH | NE-83 | - | 60 | Wire Term. | . 47 | 2.78 |

# Pilot Light Assemblies 

## LAFAYETTE HOBBYIST PILOT LIGHT ASSEMBLIES

## LAFAYETTE NEON PILOT LIGHT ASSEMBLIES

- Ideal for the Builder and Experimenter
For both miniature screw and miniature bayonet lamps. Bulb replaceable from front of panel. Transparent plastic dome for $180^{\circ}$ visibility except * = opaque. Front mounting with nickel finish nut and lockwasher. Solder terminals. S/8" mounting hole. Less lamp. Imported. Shpg. wt., 2 oz.

| Screw <br> Stock No. | Color | Eayonet <br> Stock No. | Net <br> Ea. | Lots of |
| :---: | :---: | :---: | :---: | :---: | :---: |

## 1/2 INCH VERTICAL OPEN ASSEMBLIES



Space saving inexpensivè pilot light for low voltage Incandescent bulbs with miniature screw or miniature bayonet bases. Faceted colored jewels. Solder terminals: $1 /$ ol $^{\prime \prime}$ mounting hole. Less lamp. Shpg. wt., 3 oz

| Stock No. | Socket | Color | Net ea. |
| :--- | :--- | :--- | :--- | ---: |
| 34 P 70069 | min. screw | Red | .40 |
| 34 P 70077 | min. screw | Green | .40 |
| 34 P 70085 | min. screw | Yellow | .40 |
| 34 P 70093 | min. bayonet | Red | .47 |
| 34 P 70101 | min. bayonet | Green | .47 |
| 34 P 70119 | min. bayonet | Yellow | .47 |

## INDUSTRIAL DEVICES PILOT LIGHTS

PILOT LLGHT ASSEMBLIES WITH SLIDE BASE LAMPS


As
Low
As
$1^{19}$

Bright, hiphly visible pilot lights utlizing long-lived miniature slide base incandescent lamps rated 5,000 hours. Easy front
K. Dome Lens L. Square Lens panel lamp replacement. Dome screw-in lens has stainless steel bezel, nylon non-strip selflocking fastening nut and mounts in $1 /$ /h $_{6}$ hole. Square lens has snapon lens, spring steel mounting speednut and mounts In $1 / 2^{\prime \prime}$ hole. UL listed. Avallable complete with lamps, in voltages and color lenses shown. Shpg. wt., 2 oz .
K. Dome Lens


## L. Square Lens



## SLIDE BASE LAMPS

|  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | :---: | ---: |

## OMNI-GLOW NEON PILOT LIGHTS

(a)

For use on instrument panels. etc. Will last in excess of 5,000 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 $41 / 2^{\prime \prime}$ leads. Operates on 95.125 VAC. Available with rounded, cylindrlcal or square lens, with chrome bezel. Shpg. wt., 2 oz.
(A) ROUNOEO LENS

34 P 52083 Red lens
34 P 52018 Clear lens
34 P 52091 Amber lens
(B) CYLINORICAL LENS

34 P 52109 Red lens
34 P 52117 Amber lens 34 P 52125 White lens Net ea. . 69 (C) SQUARE LENS

34 P 52133 Red lens
34 P 52141 Amber lens 34 P 52158 White lens Net ea. . 69 (D) BUTTON TYPE LENS (Mounts in $7 / 5^{\prime \prime}$ hole)

34 P 52422 Red Iens
34 P 52430 Amber lens 34 P 52448 White lens Net ea. 69

## GLO-DOT NEON PILOT LIGHTS



Especially made for tight spots. Mounts in $\mathrm{K}_{6}$ " hole with speed nut supplied. High brilliance NE-2H lamp with built in resistor assures long life. UL and CSA listed. Complete with two $412^{\prime \prime}$ leads. Operates on $95-125 \mathrm{VAC}$. Shpg. wt., 2 oz .
(A) MEDIUM LENS

34 P 52034 Red lens 34 P 52042 Clear lens
34 P 52059 Amber lens 34 P 52067 White lens Net ea. . 67
(B) HIGH HAT LENS

34 P 52166 Red lens
34 P 52174 Amber lens 34 P 52182 White lens Net ea. . 69

## LINE OLITE PILOT LIGHTS



Rectangular pilot light lamp is high intensity neon, and unit has internal resistor. White nylon housing, chrome plated bezel. Plastic lens slize $1 / 4 \times 15 / 12^{\prime \prime}$, Mounts in hole $1 \%$, $x$ $13_{3}{ }^{\prime \prime}$, with speed nut supplied. Operates on 95-125 VAC. Shpg. wt., 2 oz.
34 P 52190 Red lens
34 P 52208 Amber lens
34.P 52455 White lens

## LED PILOT LIEHTS

- 100,000 Hour Life
- For 6 or 12 Volts
- Uses AC or DC

Low voltage. low power light emitting diode pilot light, ideal for solid-state and battery operation. 100,000 hour life; reliable, shock and vibration resistant. Mounting hole $x_{4}^{\prime \prime}$ Red only, 6 or 12 volt. Shpg. wt., 3 oz . 34 P 525706 Volt, Red ........Net 1.98 34 P 5258812 Volt, Red .........Net 1.98

GLO-DOT INCANDESCENT PILOT LIGHTS


## .59 <br> A compact incandescent pilot light

 for all low voltage applications. One piece lens, body and lamp; rugged, long life. Mounting hole $\mathrm{K}_{\mathrm{o}}$ " dia. Wt.. 3 oz . 34 P 525966 Volt, Red ...........Net .59 34 P 526046 volt, Amber .......Net 59 34 P 526126 volt, Green .......Net . 59 34 P 5262012 Volt, Red ............Net . 59 34 P 5263812 Volt, Amber .......Net 59 34 P 5264612 Volt, Green .......Net . 59AMPERITE THERMOSTATIC DELAY RELAYS
Heater-actuated time-delay relays. Operate on AC, DC or pulsating current. Hermaticaliy sealed in glass envelope with octal base. SPST, normally open, closed by heater after delay (in sec.). Heater draws only 2 watts. Contacts rated 3 amp . at 115 V AC or 1.0 amp . at 220 V AC. Shpg. wt., 5 oz. Size $23 / 4^{\prime \prime} \times 14^{\prime \prime}$ diameter

| Delay Sec. | Normally Dpen |  | Normally Closed |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} 6.3 V \\ A C \cdot D C \end{gathered}$ | $\begin{aligned} & 115 \mathrm{~V} \\ & A C-D C \end{aligned}$ | $\begin{gathered} 6.3 \mathrm{~V} \\ \mathrm{AC} .0 \mathrm{C} \end{gathered}$ | $\begin{aligned} & 115 \mathrm{~V} \\ & A C-D C \end{aligned}$ |
| 2 | 13 P 35015 | 33 P 35148 | 33 P 35254 | 33 P 35387 |
| 5 | 33 P 35023 | 33 P 35155 | 33 P 35262 | 33 P 35395 |
| 10 | 33 P 35031 | 33 P 35163 | 33 P 35270 | 33 P 35403 |
| 15 | 33 P 35049 | 33 P 35171 | 33 P 35288 | 33 P 35411 |
| 20 | 33 P 35056 | 33 P 35189 | 33 P 35296 | 33 P 35429 |
| 30 | 33 P 35064 | 33 P 35197 | 33 P 35304 | 33 P 35437 |
| 45 | 33 P 35072 | 33 P 35205 | 33 P 35312 | 33 P 35445 |
| 60 | 33 P 35080 | 33 P 35213 | 33 P 35320 | 33 P 35452 |
| 75 | 33 P 35098 | 33 P 35221 | 33 P 35338 | 33 P 35460 |
| 90 | 33 P 35106 | 33 P 35239 | 33 P 35346 | 33 P 35478 |
| 120 | 33 P 35114 | 33 P 35247 | 33 P 35353 | 33 P 35486 |
| 150 | 33 P 35122 |  | 33 P 35361 |  |
| 180 | 33 P 35130 |  | 33 P 35379 |  |
| Any | above ......... |  |  | Nel ea. 2.40 |

Miniature Relays. Same type delay relays as above, available in minia. ture size, with delays from 2 to 120 Sec . Contacts rated 2 Amps . at 115 VAC or 1 Amp . at 220 VAC. Has 9 pin miniature base. Size: $21 / 2 x$ 7/8 dia. Shpg. wt., $40 z$.

|  | Normally Open |  | Normally Closed |  |
| :---: | :---: | :---: | :---: | :---: |
| Delay Sec. | $\begin{array}{r} 6.3 \mathrm{~V} \\ \mathrm{AC}-\mathrm{DC} \end{array}$ | $\begin{aligned} & 115 \mathrm{~V} \\ & \text { AC-DC } \end{aligned}$ | $\begin{gathered} 6.3 \mathrm{~V} \\ \mathrm{AC}-\mathrm{OC} \end{gathered}$ | $\begin{gathered} 115 \mathrm{~V} \\ A C-D C \end{gathered}$ |
| 2 | 33 P 35494 | 33 P 35601 | 33 P 35718 | 33 P 35825 |
| 5 | 33 P 35502 | 33 P 35619 | 33 P 35726 | 33 P 35833 |
| 10 | 33 P 35510 | 33 P 35627 | 33 P 35734 | 33 P 35841 |
| 15 | 33 P 35528 | 33 P 35635 | 33 P 35742 | 33 P 35858 |
| 20 | 33 P 35536 | 33 P 35643 | 33 P 35759 | 33 P 35866 |
| 30 | 33 P 35544 | 33 P 35650 | 33 P 35767 | 33 P 35874 |
| 45 | 33 P 35551 | 33 P 35668 | 33 P 35775 | 33 P 35882 |
| 60 | 33 P 35569 | 33 P 35676 | 33 P 35783 | 33 P 35890 |
| 75 | 33 P 35577 | 33 P 35684 | 33 P 35791 | 33 P 35908 |
| 90 | 33 P 35585 | 33 P 35692 | 37 P 35809 | 33 P 35916 |
| 120 | 33 P 35593 | 33 P 35700 | 33 P 35817 | 33 P 35924 |
| Any | bove ......... |  |  | Net ea. 2.40 |

## KURMAN POWER AND ANTENNA RELAYS

Power Relay: Midget heavy-duty industrial control
relay for all applications requiring high.speed operation, long life and reliable high current contacts. In clear polystyrene enclosure. Up to 3PDT with standard contacts rated at 10 Amps . Coil power 1 -watt. Mounting: $8-p$ in octal plug-in for standard DPDT, 11 pin type plug-in for 3PDT. Size: 2 KoH $\times 13$ "e" square.
Shpg. wi., 602.
DC RELAYS

| Stock | Type | Volts Contacts 0 hms |  |  | Pull-PullIn In ma Volts |  | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 22100 |  | 12VDC | DPDT | 108 | 96 | 9.5 | 6.60 |
| 30 P 22118 | 26D2C- 24 VDC | 24 VDC | DPDT | 428 | 48 | 20 | 6.60 |
| 30 P 22126 | 2602C-110VDC | 110 VDC | DPDT | 6800 | 12 | 80 | 7.25 |
| 30 P 22134 | 2603C-12VDC | 12 VDC | 3PDT | 68 | 148 | 10 | 8.25 |
| 30 P 22142 | 2603C-24VDC | 24VDC | 3PDI | 270 | 75 | 20 | 8.25 |
| 30 P 22159 | 2603C-110VDC | 110 VDC | 3PDT | 6800 | 15 | 100 | 8.95 |

30 P 22167 2602C-115VAC 115VAC DPDT 1200 33.7 $95 \quad 6.65$ 30 P 22175 26D3C-115VAC 115VAC 3PDT $1200 \quad 33.7115 \quad 8.35$ Relays for 6VOC SPOT and for $6,12,24$ and 230 VAC SPOT, OPOT and 3 POT avallable on order, 3-week delivery.
ANTENNA RELAY: Powerful antenna change-over telay that can transfer up to 1500 -watts RF load including 450 MHz . High-speed DPDT self-wiping contacts. Low RF loss ensured by use of G-7 insulating bridges. Standard operating power 1 -watt. Four \#632 tapped mounting holes on $13 / 10 \times 1 \%_{0}$ centers. Size: $23 / 8 \times 1 / / 2 \times 1 \% / 6{ }^{\prime \prime}$ shpg. wh., 6 oz .

DC RELAYS

| Stock $\mathrm{No}_{0}$ | Type | Volts | Contacts | Contact Amp 5 | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 22183 | 252C- 12VDC | 12VDC | DPDI | 1.5 KW RF | 8.65 |
| 30 P 22191 | 252C- 24VDC | 24VDC | DPDT | 1.5 KW RF | 8.65 |
| 30 P 22209 | 252C-110VDC | 110VDC | DPDT | 1.5 KW RF | 9.35 |
| ac relay |  |  |  |  |  |
| 30 P 22217 | 252C-115VAC | 115VAC | DPDT | 1.5 KW RF | 8.65 |

 order. 3 weeks delivery.

## HART-ADVANCE RELAYS

## General Purpose Relays



Types GHUB-GHUH. Available as an open relay (GHUB) or with a dustite plastic enclosure (GHUH). Enclosed types with SPDT and DPDT contacts have 8 pin octal plag.in bases while the 3PDT types use 11 pin plug.in bases. Open relays supplied with axial type solder lugs. Size: GHUB $=$ $10 \% 4 \times 11 / 4 \times 1 / 40$ GHUH= $=21 / 2 \times$ $1{ }^{1} \mathrm{~h}_{2} \times 11 \mathrm{~h}_{1}$. Last part of type No= Volts and $A C$ or $D C$, i.e. $/ 24 V A=24$ GHUB volts AC. UL Recognized. Wt., 5 oz.


| Stock No. | Trpe | Coil Ohms | Contacts | Amps | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 20005 | GHUB/1C/24VA | 96 | SPDT | 10 | 3.23 |
| 30 P 20013 | GHUB/1C/12VD | 120 | SPDT | 10 | 3.10 |
| 30 P 20021 | GHUB/2C/24VA | 96 | DPDT | 10 | 3.95 |
| 30 P 20039 | GHUB/2C/115VA | 2,200 | DPDT | 10 | 3.95 |
| 30 P 20047 | GHUB/2C/12VD | 120 | DPDT | 10 | 3.54 |
| 30 P 20054 | GHUB/3C/6VD | 30 | 3PDT | 10 | 4.00 |
| 30 P 20062 | GHUB/3C/24VD | 480 | 3PDT | 10 | 4.00 |
| 30 P 20070 | GHUH/1C/115VA | 2,200 | SPDT | 10 | 5.55 |
| 30 P 20088 | GHUH/2C/115VA | 2,200 | DPDT | 10 | 6.14 |
| 30 P 20096 | GHUH/3C/115VA | 2,200 | 3PDT | 10 | 7.69 |

## TYPE 12

Multiple contacts. Used widely in industrial controls, communications equipment, and automatic vending machines. Coil dissipation, 3 watts maximum. Size: $1^{123}$ 多 $W$ " $L$ ".
Mounting: $46-32$ tapped holes on $3 / /^{\prime \prime} \times 7 / 0^{\prime \prime}$ centers. Standard Contacts: $X_{4}^{\prime \prime}$ - silver. Rated 10 amperes resistive at 115 VAC. Shpg. wt., 8 oz .


| Stock No. | Type | Coil Volts | Contacts | Amps | Length | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 20104 | 12DC-12-2C-10 | 12VDC | DPDT | 10 | 1\% ${ }^{\prime \prime}$ | 3.95 |
| 30 P 20112 | 12AC-12-2C-10 | 12VAC | DPDT | 10 | 1\%" | 3.95 |
| 30 P 20120 | 12AC-24-2C-10 | 24VAC | DPDT | 10 | 1\% | 3.95 |
| 30 P 20138 | 12AC-115-2C-10 | 115 VAC | DPDT | 10 | 1\%" | 3.95 |
| 30 P 20146 | 12AC-115-3C-10 | 115VAC | 3PDT | 10 | 17/8" | 4.90 |
| POWER RELAYS |  |  |  |  |  |  |
| Type PC Compact and positive acting relays for either $A C$ or $D C$. Contacts rated at 15 Amps resistlve, 5 Amps inductlve at 115 VAC or 26.5 VDC . Slize: $2^{2} y_{3} L \times 13 / 4 W \times 12 \%{ }^{*}{ }^{\omega} \mathrm{H}$. |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Last part of type no $=$ volts and AC or $D C$, ie. $/ 24 \mathrm{VA}=24$ Volt $A C ; / 6 \mathrm{VD}=$ 6 Volts DC. Shpg. wt., 8 oz . |  |  |  |  |  |  |

6 Volts DC. Shpg. wt., 8 oz .

| Stock No. | Type | Coill 0 hms | Contacts | Amps | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 20187 | PC/16/24VA | 16 | SPDT | 15 | 5.60 |
| 30 P 20195 | $\mathrm{PC} / 1 \mathrm{C} / 115 \mathrm{VA}$ | 450 | SPDT | 15 | 5.60 |
| 30 P 20203 | PC/1C/6VD | 16 | SPDT | 15 | 5.60 |
| 30 P 20211 | PC/1C/12VD | 63 | SPDT | 15 | 5.60 |
| 30 P 20229 | $\mathrm{PC} / 2 \mathrm{C} / 115 \mathrm{VA}$ | 450 | DPDT | 15 | 8.25 |
| 30 P 20237 | PC/2C/6VD | 16 | DPDT | 15 | 8.25 |
| 30 P 20245 | $\mathrm{PC} / 2 \mathrm{C} / 12 \mathrm{VD}$ | 63 | DPDT | 15 | 8.25 |
| 30 P 20252 | $\mathrm{PC} / 3 \mathrm{C} / 12 \mathrm{VD}$ | 63 | 3PDT | 15 | 12.20 |

## KURMAN SENSITIVE RELAYS

Series 51C-Midget-OC Relays. Smallest, lightes̄
circuit relay offering self-wiping contacts. Standard adjustment 10 milliwatts ( 13,000 ohm relay adjusted for 5 mifliwatt operation). Others can be field adjusted. Adjustable 2 Amp SPDT screw contacts. New, rigid front pile-up. Mounting: two $\# 6-32$ tapped holes on 0.437 " centers. Slze: $K_{6} \times 13 / 8 \times 1 \%^{\prime \prime}$. Shpg. wt., 6 oz.

| Stock No. | Type | Coil Ohms | Operating Pull-In mA | Contacts | Contact Amps | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 22001 | 51CA370 | 500 | 4.5 | SPDI | 2 | 5.70 |
| 30 P 22019 | $51 \mathrm{CA400}$ | 2.000 | 2.3 | SPDT | 2 | 5.70 |
| 30 P 22027 | $51 \mathrm{CA42D}$ | 5,000 | 1.4 | SPDT | 2 | 5.80 |
| 30 P 22035 | 51CA43D | 8.000 | 1.2 | SPDT | 2 | 6.20 |
| 30 P 22043 | 51 CB 44 D | 13,000 | 0.6 | SPDT | 1 | 6.20 |
| Series 501C-0C Relays-Dust Cover. Has all standard operating characteristics of series 51C. Housed in new polystyrene enclosed plug-in unit. Easily removable case permits field adiustment without special equipment. Mounting: 8 -pin octal plug-in. Size: $21 /$. $\times 13$ /2" square. Shpg, wt., 6 oz . |  |  |  |  |  |  |


| Stock No. | Type | Coil Ohms | $\begin{gathered} \text { Operating } \\ m A \end{gathered}$ | Contact | Contact Amps | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 22050 | 5D1CA370 | 500 | 4.5 | SPDT | 2 | 6.80 |
| 30 P 22068 | $5 \mathrm{DICA40D}$ | 2,000 | 2.3 | SPDT | 2 | 6.80 |
| 30 P 22076 | 5DICA42D | 5,000 | 1.4 | SPDT | 2 | 6.90 |
| 30 P 22084 | 5D1CA430 | 8,000 | 1.2 | SPDT | 2 | 7.30 |
| 30 P 22092 | 5DICB440 | 13,000 | 0.6 | SPDT | 1 | 7.30 |

## RELAYS - RELAY TOOLS - COUNTERS

SENSITIVE MINIATURE RELAY


Extremely small, sensitive relayweighs only $1 / 2$ oz.! Double-pole double-throw, with silver and sil. ver-gold-platinum alloy contacts. Contact handle up to 100 volts at 300 ma . ( 30 watts). Coil measures $5,300 \mathrm{chms}$ DC resistance-rated at 4.1 ma , DC pull-in current, 0.95 ma . DC, drop-out. Enclosed in Iransparent 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 . Measures $11_{\Delta} x^{13} x_{\Delta} x 78{ }^{\prime \prime}$. Ideal for model control, photocell relay, carrier-current control and dozens of other miniature applications. Imported. Shpg. wt., 402.
DPDT Miniature DC Relay


HAND TALLY REGISTER

$2^{79}$

- 4 Digit Capacity - Counts 0.9999
- Single Turn Reset Knob

Registers 0 to 9999 . Highly polished chromium plated brass case. Attached finger-ring and compact shape for comfort in holding. Plunger operated for smooth, easy action. Large, clearly read numerals. Knurled reset knob sets register to zero in one turn. Preciston accuracy for lab, school and industrial users. Invaluable for inventory con-trol-gate checking-traffic, etc. Small size, approximately $1 \% / 4 \times 13 /{ }^{2} \times$. Permits concealed operation. Imported. Wt., 5 oz.
99 P 90300
Net $2.79^{\circ}$

## 5-OIGIT STROKE.ACTUATED

## RESET COUNTER



## $3^{80}$

 Easy-to-mount rugged counter for counting machine operations. One count per stroke. Drilled mounting flange: actuating arm and spring. May be manually or solenoid actuated. Reads up to 99,999; side knob easlly resets to zero from any number. Overall size: $21 / 2 \times 11 / 2 \times 13 /{ }^{\prime \prime}$. Imported. Wt., $1 / 2 \mathrm{lb}$. 99 P 90292Net 3.80
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 . Buitt-in selenjum rectifier. DC operated solenoid, chrome-plated. $6^{\prime \prime}$ leads, 110V, AC, 50/60 Hz . Size: $21 / 2 \times 2 \times 13 / 4$. Removable front plate $35 / 8 \times 2^{\prime \prime}$. Imported. Shpz. wh. 1 1 b
99 P 90110


A natural for remote control recelvers, it is highly sensitlve, and built to withstand severe crashes. The smallest commercial job avallable, it weighs less than $1 / 2 \mathrm{oz}$. Factory adjusted to pull in at 1.4 MA drop out at 1.2 MA D.C. Single pole, double throw. Used in many R/C receivers. 5,000 ohm coil. Imported.
99 P 60915
Net 2.29


## LAFAYETTE

 HIGH SENSITIVITY METER RELAY- Meter Movement
- Closes Circuit at 2 Mils
Exiremely sensitive meter type relay. Normally open. Ideal suited for uses with model railroad, photoelectric relay circuit, babytenders, remote control toys, remote control boats, fire clarm, and many other practical applications. Precision-built meter movement provides virtually friction-free movement. Contact will close at 2 milliamps. Internal resistance 100 ohms. Meter movement rated 5 ma continuous, 10 ma momentary; contacts rated 500 ma continuous, momentary 1 amp at 3 v and 250 ma at $6 . \mathrm{v}$ with re. sistive load. Sensitivity: 2.5-. 6 mw . Internally adjustable. Relay is enclosed entirely and transparent cover permits observation. Solder pins are placed externally for easy connections. SPST. Size: $13 / 4 \times 15 / 4 \times 13 / 4^{\prime \prime}$. Imported. Shpg. wt., 5 ozs.
99 P 61996
Net 4.39


## DOW KEY "60" COAXIAL RELAY

## Type 60-262842. Heavy

duty SPDT coaxial relay rated 1 KW . Impedance 50 ohms. Life, over $1,000,000$ operations. VSWR, less than 1.15:1 from 0.500 MHz .
 Greater than 100 db isolation between receiver and transmitter lines from $0-500 \mathrm{MHz}$. With UHF coaxial connectors and 2 Form C Aux. contacts. Coil Voltage, 115 VAC . Size: $3.00 \times 0.88^{\prime \prime}$. Wi., 12 oz , 40 P 52015 No Money Down* Net 41.85 JONARD RELAY TOOLS
PDCKET CLEANER-BURNISHERS

Compact penfile 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: $3 / 6 \times 51 / 2^{\prime \prime}$ Shpg. wt., 302.
P-4. Pentile with 12 RB-4, $1 / 4 \times 11 / 4{ }^{\text {" }}$ blades 12 P 22058

Net 4.82
P-6, Penfile with 12 B-6, K, x $13 / 4^{\prime \prime}$ bladgs. 12 P 22066 ................................Nel 4.82
RB-4, Replacement blades for P-4, pkg. 25. 12 P 22074 Shpg. wt., 3 Oz. ....Net 5.02 RB-6, Replacement blades for P-6, pkg. 25. 12 P 22082 Shpg. wt., 4 oz. ....Net 5.02


An ideal relay kit for experimenters, ama teurs, hobbyists, industrial use or engineering prototypes. Features interchangeable coils requiring only one screw for simple coll in stallation. Coils available for specified voltages, contacts rated for 10 and 15 Amps, Single, Double, or 4-Pole Double-Throw. Contacts are gold-plated over fine silver for long life and trouble free operation. Contact assemblies factory adjusted for optimum opera tlon. Shpg. wt., Coils 4 oz . Contact Assem. blies 802.

STANDARD CDILS

| Stock No. | Volts M | liamps | Ohms | Net |
| :---: | :---: | :---: | :---: | :---: |
| 30 P 11004 | 6 VDC | 500 | 12 | 2.98 |
| 30 P 11012 | 12 VDC | 240 | 50 | 2.98 |
| 30 P 11020 | 24 VDC | 120 | 180 | 2.98 |
| 30 P 11038 | 32 VDC | 128 | 250 | 3.50 |
| 30 P 11046 | 115 VDC | 26 | 4,500 | 3.85 |
| 30 P 11053 | 115 VAC | 80 | 900 | 3.15 |
| 30 P 11061 | 230 VAC | 30 | 3,000 | 4.20 |
| 30 P 11079 | 150-350 | 19 | 10,000 | 2.98 |
|  | (Plate) |  |  |  |
| STANDARD CONTACTS |  |  |  |  |
| Stock No. | Type |  | Amps | Net |
| 30 P 11087 | SPDT |  | 10 | 3.01 |
| 30 P 11095 | DPDI |  | 10 | 4.41 |
| 30 P 11103 | 4 PDT |  | 10 | 7.00 |
| 30 P 1111t | SPDT |  | 45 | 3.36 |
| 30 P 11129 | DPDT |  | 15 | 5.00 |

## ALCO ISOLATION CONTROL RELAYS

## $3^{85}$

- No More Hot AC Line Dangers In Your Equipment Switches and Controls!
Permits any on-ott power switch or control circuit to be isolated fram the dangerous $A C$ Ine 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 hl-fi, machine control, etc. Handle 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 $=1.770^{\prime \prime} \mathrm{L} \times 1.319^{\prime \prime} \mathrm{W} \times 1.385^{\prime \prime} \mathrm{H}_{\text {; }}$ Model FR$102=2.130^{\prime \prime} \times 1.733^{\prime} \mathrm{W} \times 1.531^{\prime \prime} \mathrm{H}$; Model FRE-103 $=2.800^{\prime \prime} \mathrm{L} \times 2.000^{\prime \prime} \mathrm{W} \times 1.440^{\prime \prime} \mathrm{H}$. Shpg. wt. 80 oz .

Max. Contral
Stock No. Medel Contacts Circuit Resist. Net
30 P 12036 FR-105 SPST 50 ohms 3.85 30 P 12010 FR-102 SPDT 300 ohms 4.45 30 P 12028 FRE- $103 \dagger$ SPDT 400 ohms 4.95 $\dagger=A C$ Outlet Plug-in types. Has side jack for plug-in of remote switch or sensor.

## MULTICOUNTER 5-POSITION TALLY REGISTER



Five plunger operated tally registers in 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, Overal! size: $51 / 4 W \times 17 / 8 \mathrm{Hx} 13$ no ${ }^{\prime \prime} \mathrm{D}$. Im ported. Shpg. wt., 1 lb .
99 P 90318
Net 16.88

## MILLER COMMUNICATIONS I.F. TRANSFORMERS

Dèsigned for experimental use in communications equipment where selectivity and stability are important. The 100 kHz I.F. transformer and BFO coil are intended for tube application, while the 455 kHz crystal filter l.f. transformers have taps on the winding to allow for use with both tubes and transistors. The 1800 kHz I.F. transformer offers the best possible " 0 " with stability to give a degree of selectivity that compares with lower frequency I.F. Iransformers. This transformer is for use with tubes only. Type number 1770 is a double tuned I.F, transformer having taps on both Primary and Secondary winding. Dimensions: $3 / 4^{\prime \prime}$ by $3 / 4^{\prime \prime}$ by $2^{\prime \prime}$ high. Average shipg. wt., 4 oz .

A new series of R.F. Chokes taking advantage of the high permeability of ferrite cores. These chokes combine high inductance and low D.C. resistance. Size: $1 / 4^{\prime \prime}$ diameter $x 7 / 0^{\prime \prime}$ long. $11 / 2^{\prime \prime}$ axial leads.

Stock No. Miller Type mh Max. MA. Net \begin{tabular}{llllll}
\hline 34 \& P 87923 \& 6302 \& 2.5 \& 9 \& 160 <br>
\hline 1.24

 

34 \& P 87949 \& 6306 \& 10 \& 31 \& 100 <br>
1.59 <br>
34 \& P 87956 \& 6308 \& 25 \& 82 \& 65 <br>
\hline
\end{tabular}

## FREQUENCY SELECTIVE R.F. CHOKES

Designed for maximum efficiency and highest impedance at specific operating frequencies, this group of R.F. chokes eliminates the designers task of attempting to choose the best coil for a particular application. Designed to cover the major Amateur, Industrial, and Citizens bands. Shpg. wt., 3 oz .


## STANDARD ANTENNA AND R.F. COILS

Designed to cover the broadcast band from 545 to 1580 kHz ( $190-550$ meters) with a 365 mmfd. tuning condenser. High impedance primaries, wound with Litz wire. Shielded coils are in black crackle finish, non magnetic can. $17 / 9^{\prime \prime}$ in diameter, $21 / 2^{\prime \prime} \mathrm{hlgh}$ *unshielded tshielded. Average inpg, wt. 4 oz .

| Stock No. | Meissner | Description | Net |
| :--- | :--- | :--- | ---: |
| 32 P55205 | $14-1010^{*}$ | Ant. Coll | $\mathbf{3 . 7 2}$ |
| 32 P55213 | $14-1004 \dagger$ | Ant. Coil | 3.72 |
| 32 P 55221 | $14-1011^{*}$ | RF Coll | 2.79 |

LaFAYETTE

## MINIATURE IF TRANSFORMERS AND OSCILLATOR COILS



NET EACH $59^{\text {c }}$
Slug.tuned arinted clrcult mounted minia. ture if transformers. All have 455 kHz intermediate frequency. Each with schematic and pin contacts. Ideal replacements for Japan ese transistor radios. Shpg. wt., 2 oz. Imdorted. All Units only 3 "/ Sq, and Kis" High 99 P 63000 Osciltator coil Inductance $270 \mu h$.
99 P 63018 1 st IF 1500 ohms
99 P 63026 2nd IF: pri, 50,000 ohms, sec 1000 ohms.
99 P 63034 3rd IF: pri. 30,000 ohms. sec. 5000 ohms.
Any of above
Net ea, . 59
455 kHz UNIVERSAL I.F
TRANSFORMER FOR
BROADCAST AND
CITIZENS BAND

169

## Pair

- Only $3 / 4^{\prime \prime}$ Square - Package of 2

The most popular replacement I.F. Ideal for experimenters. Exceptionally high gain powdered iron core, compression tuned 455 KMz midget I.F.—only $3 / 4^{\prime \prime}$ square by $17 / \mathrm{B}^{\prime \prime}$ high. For both input and output circuits, Supplied with mounting clip. Shpg, wt., 8 ozs. 32 P 019932 per Pkg.

## MILLER TRANSISTOR ANTENNAS

## MINIATURE



Has an inductance of $240 \mu \mathrm{~h}$ and is designed for use with a standard variable condenser having a maximum capacity of 365 mmf , Freq. range $540 \cdot 1650 \mathrm{kHz}, Q$ @ 790 kHz , 550. Shpg. wt., 4 oz .

34 P 87485 Type 2001
Net 2.28

## STANDARD

Has a fixed inductance of $240 \mu \mathrm{~h}$ and covers a band of 540.1650 kHz . Large pickup area and high Q. Maximum tuning capacity 365 mmf. Q @ 790 kHz . 450. Shpg. wt., $30 z$ 34 P 88194 Type 2000 Net 2.58

## 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., 307 34 P 88202 Type 2004 Net 2.55

## SUB MINIATURE

Adjustable antenna coll with high Q ferrite cores. inductance range for 2002 is 40 $300 \mu \mathrm{~h}$, for 2007, $150-1000 \mu \mathrm{~h}$. Freq. range $540-1650 \mathrm{kHz}$. 0 @ 790 kHz for 2002,250 ; for 2007, 220. Tuning capacity 2002, 250 . $450 \mathrm{mmf} ; 2007,100-250 \mathrm{mmf}$. Wt., 4 oz . 34 P 87493 Type 2002 Net 1.80 34 P 88210 Type 2007

# Coils - Coil Forms - Coil Winder 



## UNSHIELDED MINIATURE TRANSISTOR OSCILLATORS

(Fig. A.) The 34 P 88012 oscillator coil (Revised 5 -lug) is designed for use in a converter oscilator circuit. The 34 R 87022 oscillator coill ( $6.1 \mathrm{l} g$ ) is for use where a separate transistor is used for the oscillator and another transistor for the mixer. I.F. Freq 455 kHz . Avg. Shpg. wt. 3 oz
Dimensions: $3 / 8^{\prime \prime} \times 1 / \mathrm{high}$

| Stock No. | Miller | Capacity | Net |
| :--- | ---: | ---: | ---: |
| 34 P 88012 | 2020 | 365 mmf | 2.10 |
| 34 P 87014 | 2022 | $78-100 \mathrm{mmf}$ | 2.10 |
| 34 P 87022 | 2023 | 365 mmf. | 2.10 |

## MILLER WIDE RANGE ADJUSTABLE INDUCTORS



For immediate application in many prototype designs where the exact value of the required inductance is not known. Induction measured at 1000 Hz . Dimensions: max. dia. $3 / 4^{\prime \prime} \times 11 / 4^{\prime \prime}$ lung. Specificatlons for tapped are identical to untapped of reference types shown. Column headed "Ratio" refers to the total number of turns on the coil to the number of turns to the tap. Shpg. wt., 3 oz .
Stock No. Untapped

Type LMin. LMax. Net $34 \mathrm{P} 9986900140 \mu \mathrm{~h} \quad .240 \mathrm{MH} \quad 1.59$ 34 P $89853 \quad 9002 \quad .180 \mathrm{MH} \quad .800 \mathrm{MH} \quad 1.80$ $\begin{array}{lllll}34 \text { P } 89861 & 9003 & .570 \mathrm{MH} & 2.80 \mathrm{MH} & \mathbf{2 . 1 6} \\ \mathbf{3 4} \text { P } 89895 & 9006 & 12.0 \mathrm{MH} & 40.0 \mathrm{MH} & \mathbf{3 . 2 7}\end{array}$ | 34 | P 89911 | 9008 | 78.0 | MH |
| :--- | :--- | :--- | :--- | :--- |$\quad 240$. MH $\quad 3.39$ $\begin{array}{lllll}34 & \text { P } 86511 & 9009 & \text { 180. MH } & \text { 750. MH }\end{array}$

| Stock No. | Tapped Type | Ref. Type | Ratio | Het |
| :---: | :---: | :---: | :---: | :---: |
| 34 P 89937 | 9012 | 9002 | 204/68 | 2.16 |
| 34 P 89945 | 9013 | 9003 | 376/128 | 2.52 |
| 34 P 89978 | 9016 | 9006 | 1480/493 | 3.27 |
| 34 P 89994 | 9018 | 9008 | 3860/1286 | 3.78 |
| 34 P 86529 | 9019 | 9009 | 6100/2030 | 3.95 |

## CERAMIC FORM AND R.F. COILS

Permeability tuned coils wound on slilicone impregnated ceramic forms. Hardware necessary for assembly is supplied.
Dimensions (form): $3 / 8^{\prime \prime}$ diameter $\times 1 / 10^{\prime \prime}$ long. Shpg. wt., 3 oz.

| Stock No. | Type | Mlcrohenries | Net |
| :---: | :---: | :---: | :---: |
| 34 P 89515 | 4400 | Form Only | 2.15 |
| 34 P 87535 | 4404 | 1.6-3.1 | 2.66 |
| 34 P 87543 | 4405 | 3.3-6.5 | 2.70 |
| 34 P 87550 | 4406 | 7.3-14 | 2.77 |
| 34 P 87568 | 4407 | 16-29 | 2.84 |
| 34 P 87576 | 4408 | 33-66 | 3.02 |
| 34 P 97584 | 4409 | 74-124 | 3.10 |
| 34 P 87592 | 4410 | 138-238 | 3.13 |
| 34 P 87600 | 4411 | 270-451 | 3.17 |
| 34 P 87634 | 4414 | 1400-2000 | 3.24 |


10.7 MHz TRANSISTOR I.F.'s
(Fig. F.) A complete series of IF Jransformers specifically designes for operation with transistors. Single tuned IF's and double tuned ratio detector. Size: If $11 /{ }^{\prime \prime \prime}$ " sq. $x$ $5 / 8^{\prime \prime}$ high-Slze: ratio detector- $1 / 3 / 2^{\prime \prime} x^{3 / 4} \mathbf{n}^{\prime \prime} x$ $1 / 2^{\prime \prime}$ high, Shpg. wt. 302

Net Ea.

| 34 P | 8145 |
| :--- | :--- |
| 8070 |  |

$34 \mathrm{P} 88152 \quad 2071$
34 P $88160 \quad 2072$
34P 881782073 Ratio Det. 4:07

## horizontal linearity <br> AND WIDTH CONTROLS

Iron core variable inductance coils for linearity and width adjustment. Wound on a bakefite form $3 / \mathbf{g}^{" 1}$ in diameter. Mtg. clip fits si" hole. $6300^{\prime \prime}$ s-..phenollc form. Avg. shpg. wt., 402.

| steck No. | Miller | Mitifhenries | Net |
| :---: | :---: | :---: | :---: |
| 34 P 88384 | 6196-A | .054-.50 Tapped | 1.55 |
| 34 P 88442 | 6314 | 2.0-18 | 1.74 |
| 34 P 88459 | 6315 | 4.0-30 | 1.74 |
| 34 P 88483 | 6318 | 20-3.0 | 1.59 |
| 34 P 88481 | 6319 | 15-60 | 2.16 |
| 34 P as525 | 6322 | 1.5-10 | 1.69 |
| 34 p ${ }^{3} 8541$ | 6324 | 60.130 Tapped | 2.16 |
| 34 P 86495 | 6330 | 45-215 | 2.39 |



## PHENOLIC FORM

 3-SECTION R.F. CHOKESSize: $3 / 10^{\prime \prime}$ dia. $\times 3 / 4^{\prime \prime}$ long. Shpg. wt., 3 oz.
Takes advantage of high permeability of ferrite cores. This choke combines high induct. ance and low D.C. resistance.
Stock No. Miller mh Ohms Mar. ma Net $\begin{array}{lllllll}34 & \text { P } 88293 & 4652 & 1.0 & 19.8 & 125 & .95\end{array}$

## \& RESINITE ADJUSTABLE R.F. COILS <br> Resinite is a phenolic impregnated tubing which can be certified to MIL.P-798 type PBG. Combines good mechanical and electrical characteristics. Dimensions: 1/4" dia. $\times$ 1火o" long. Avg. shpg. wt.,

## MINIATURE ADJUSTABLE R.F. COILS

| lock No. | $\begin{aligned} & \text { Miller } \\ & \text { Type 204- } \end{aligned}$ | $\begin{aligned} & \text { Min. } \mu \mathrm{h} . \\ & \pm 5 \% \end{aligned}$ | Max. $\mu \mathrm{h}$. $\pm 10 \%$ |  |
| :---: | :---: | :---: | :---: | :---: |
| 34 P 89440 | 107RBI | 088 | 120 | 1.68 |
| 34 P 89416 | 157R8 | 108 | 180 | . 68 |
| 34 P 89374 | 687RBI | 508 | 816 | 1.76 |
| 34 P 89358 | 106RBI | 885 | 1.20 | 1.78 |
| 34 P 89366 | 156RBI | 1.08 | 1.80 | 1.76 |
| 34 P 89333 | 226RBI | 1.62 | 2.64 | 1.76 |
| 34 P 89344 | 336RB! | 2.38 | 3.96 | 1.78 |
| 34 P 89325 | 686RBI | 5.08 | 8.16 | 1.78 |
| -34 P89275 | 155RBI | 10.8 | 18.0 | 1.98 |
| FOR SELECTION OF MAGNET WIRE See Page 282 |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

## 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, transformers and filter inductors. Indicatol counts number of turns on coil. Uses \#22 to \#40 wire. Supplied with accessories including wood spools, metal pegholders and extension for making long solenoid coils. instructlons included, but less coil form and pegs. Shpg. wt.
2 lbs.
32 P 87018
Net 8.25

UNIVERSAL ADJUSTABLE OSC. COIL
(Fig. D.) Adjustable iron core oscillator coll for general replacement use. RF freq. 500 1800 kHz , If freq. 100.500 kHz . Dimenslons $58^{\prime \prime} \times 1 y^{\prime \prime \prime}{ }^{\prime \prime}$ high, Shpg. wt., 3 oz .
34 P 87048 Miller Type 71.05 C
Net 3.30

## HIGH-Q R.F. COILS

(Fig. E.) A complete line of unshielded permeability tuned coils for replacement use or as the front end components in new receiver design. Ranges shown are for use with a 365 mmid variable funing condenser. Dimensions: $3 / \mathbf{B}^{\prime \prime} \times 2^{\prime \prime}$. Avg. shpg. wt., 302 . Stock No. Miller No. $\qquad$
Use
LONG-WAVE COILS ( $140-420$ kHz) $\begin{array}{lr}34 \mathrm{P} 87063 \times-5495-\mathrm{A} & \text { Antenna Stage } \\ 34 \mathrm{P} 87071 \mathrm{X}-5495-\mathrm{RF} & \text { RF Stage } \\ 34 \mathrm{P} 87089 \times-5495-\mathrm{C} & \text { Standard OSc. } 455 \mathrm{kHz} \\ 34 \mathrm{P} \text { 87097 X }-5496-\mathrm{C}\end{array}$ 34 P 87097 X-5496-C Tapped Osc. 455 kHz Any of above

Net ea. 3.42
BROADCAST BAND COILS ( $540-1700 \mathrm{kHz}$ ) 34 P 87105 A-5495-A Antenna Stage 34 P 87113 A-5495-RF RF Stage 34 P 87139 A-5496-C Tapped Osc. 455 kHz MEOIUM WAVE COILS ( 1.75 .5 MHz ) 34 P 87147 B-5495-A Antenna Stage 34 P 87154 B-5495-RF RF Stage 34 P 87162 B-5495-C Standard Osc. 455 kHz 34 P 88186 B-5496-C TapDed Osc. 455 kHz SHORT WAVE BROADCAST COILS (5-18 MHz) 34 P 87519 C.5495-A Antenna Stage 34 P 87170 C-5495-RF RF Stage 34 P 87196 C -5496-C Tapped Osc. 455 kHz

HIGH FREQUENCY COILS (12-36 MHz) 34 P 87204 D-5495-A Antenna Stage 34 P 87212 D-5495-RF RF Stage
34 P 07238 D.5496-C Any of above.

Tapped Osc. $\mathbf{4 5 5} \mathrm{kHz}$

## HIGH-Q FERRITE ANT. COIL.

(Fig. G) Highly efficient broadcast band antenna coll for use in small receivers where no external antenna is desired. High-permeability low loss ferrite tuning core. Freq range, $540-1700 \mathrm{kHz}$. Supplied with mounting bracket and $18^{\prime \prime}$ polyethylene Insulated antenna wire. Size: $3 / 8^{\prime \prime} \times 21 / 4^{\prime \prime}$. Wt. . 3 02. 34 P 87055 MIIler 6300

Net 1.52

## SUBMINIATURE ADJUSTABLE R.F. CDILS



These compact adjustable colls 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 coil assembly. Magnetic and electrostatic shlelding. Printed circuit terminals Size: $1 / 2^{\prime \prime}$ sq. $\times{ }^{5} /{ }^{\circ \prime \prime}$ high. Avg. shpg. wt., 302.

## Miller Type <br> $\qquad$ <br> Typical Dist.

Stock No. Ho. LMin. L Max. C(pf) Net 34 P $895729054 \quad 28.0 \mu \mathrm{~h} \quad 60.0 \mu \mathrm{~h} \quad 11.0 \quad 2.77$ 34 P $895989056120.0 \mu \mathrm{~h} 280.0 \mu \mathrm{~h} \quad 9.02 .77$ 34 P $896149058650.0 \mu \mathrm{~h} \quad 1.3 \mathrm{Mh} 8.02 .84$ 34 P $896229059 \quad 1.3 \mathrm{Mh} \quad 3.0 \mathrm{Mh} \quad 16.02 .84$ 34 P $896309060 \quad 3.0 \mathrm{MH} \quad 10.0 \mathrm{Mh} 7.0 \quad 3.13$ 34 P $896489061 \quad 8.0 \mathrm{Mh} \quad 20.0 \mathrm{Mh} \quad 7.0 \quad 3.13$ 34 P $896559062 \quad 15.0 \mathrm{Mh} \quad 40.0 \mathrm{Mh} \quad 7.03 .13$ 34 P $896639063 \quad 20.0 \mathrm{Mh} 60.0 \mathrm{Mh} 10.03 .24$

## ECONOMY ADJUSTABLE

## R.F. CHOKES

A recentiy developed nylon molding process makes possible an inexpensive line of adjustable chokes. They are adjustable from elther the top or the battom, giving you design flexibility. Mounting is athieved by way of a metal clip in a Ko" hole. Dimensions: $3 / 8 \times 139^{\prime \prime \prime}$ long. Shpg. wt., 3 oz .

| Stock No. | Miller Type | Microhenrjes | Net |
| :---: | :---: | :---: | :---: |
| 34 P 89507 | 4200 | Form only | 98 |
| 34 P 89762 | 4202 | 1-2.5 | 1.30 |
| 34 P 89770 | 4203 | 2-5.5 | 1.34 |
| 34 P 89788 | 4204 | 5-12 | 1.37 |
| 34 P 89796 | 4205 | 10.25 | 1.40 |
| 34 P 89804 | 4206 | 20-55 | 1.49 |
| 34 P 89812 | 4207 | 50-140 | 1.53 |
| 34 P89820 | 4208 | 120-330 | 1.56 |
| 34 P 89838 | 4209 | 310-860 | 1.59 |

# Dials-Knobs-Variable Condenser 



VERNIER LOGGING DIALS

Precision planetary drive vernier dials with approximately 7 to 1 ratio. Ideal for test equipment, callbration instruments, amateur equipment, etc. $1 / 4^{\prime \prime}$ diam. shaft extending from rear may be easily coupled to another drive shaft. Type A has framed wire halr line, type B has pointer. Alt with 1 log scale and blank scales. Fluted knob. Imported.

| Stock No. | Fis. | Scale width | sente | Blank Scales | Size Overall | simp. | Net <br> Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 P 25660 | B | 41/4" | 0-180 | 5 | $5 \times 3 \times 11 / 2$ | 10 oz . | 2.59 |
| 99 P 25686 | A | 71/4" | 0-200 | 6 | $81 / 2 \times 53 / 4 \times 21 / 4$ | 11/2 lbs. | 3.95 |



Precislon planetary drlve vernier dials with approximately 8 to 1 ratio. Mounts on panel surface and has accurately centered metal inserts for $1 / 4$ " shafts. Metal dials are brushed silver finish with deeply etched and black filled engraving to provide maximum legibility even under poor lighting conditions. Reads counter-clockwise 0 to 100 in $180^{\circ}$. Uses tough scratch resistant fluted molded knob and housing for sure grip. Phosphor bronze and brass utilized for internal parts. Imported, Average Shpg. wt., 7 ozs.
Fig. E. 36MM ( $11 / 2^{\prime \prime}$ ) Diameter Vernier Dial, "Kis" from front to back 99 P 60311
Fig. D 50 MM (2") Diameter Vernier Dial, $1^{\prime \prime}$ from front to back 99 P 60303
Fig. C 70 MM ( $27 / \mathbf{g}^{\prime \prime}$ ) Diameter Vernier, $11 / \mathbf{e}^{\prime \prime}$ from front to back
99 P 60295
Net .99
Net 1.39
Net 1.69

## TINY TUNING CONDENSER-with DIAL

 - For Transistor and Miniature Circuits - Only 1" Square, Ko" Deep - 385 pF • Polyethylene Dielectric A new "Poly-Vari-Con" model for use in TRF broadcast-band and experimental receivers. Complete with good-looking clear plastic tuning dial with calibrations from 530 to 1600 kHz . Capaclty variable from 10 to 365 pF. Knurled dial is $11 / 4^{\prime \prime}$ diam.; rotation is 1809 Dial is mounted to condenser shaft by K." diam. chrome.plated threaded retainer. Imported. Shpg, wt., 3 oz . 99 P 62176Net .84
nATIONAL BALL REDUCTION DRIVE FOR PRECISE TUNING
Efficient driye In ratios of $5: 1$ and $10: 1$. Shaft size $1 / 4^{\prime \prime \prime} \quad$ \#emale coupling one end, $\dagger$ male shafts both ends. Shpg. wt., 4 to 8 oz .


| Stock No. | Type Reduction |  | Net Ea. |
| :--- | ---: | ---: | ---: |
| 32 P 51352 | NBD1-1 $\dagger$ | $5: 1$ | 4.28 |
| 32 P 51360 | NBD1-2 $\#$ | 5.1 | 4.81 |
| 32 P 51378 | NBD2-1 $\dagger$ | $10: 1$ | 4.93 |
| 32 P 54386 | NBD2-2 $\#$ | $10: 1$ | 5.43 |

DIAL CORD
Handy spools of prestretched nylon dial
cord in sizes that cover aimost all replace ment needs. Breaklng strength medium is 35 lbs.. standard 20 los., thin 15 lbs. Average shpg. wt., 4 oz.


STANDARD PLASTIC KNOBS


A


B

c

Plastic knobs with knurled bodies for general application. Ail have molded hole with set screw for mounting $1 / 4^{\prime \prime}$ round or flatted shafts. Fig. C has white indicator IInes. Av. shpg. wt., 2 ozs.

| Stock No. | Fig. Oiam |  | Color | $\begin{gathered} \text { Net } \\ 11-24 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Each } \\ & 125-99 \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 24177 | A | 1" | Walnut | . 17 | . 16 |
| 32 P 24185 | A | 1" | Black | . 17 | . 15 |
| 32 P 24201 | C | 11/2" | Black | . 23 | . 20 |
| 32 P 24219 | C | 72/32: | Black | . 21 | . 18 |
| 32 P 24227 | B | 3/4' | Maroon | . 15 | . 10 |

## MINIATURE KNOBS

Plastic knob, only 5/a" diameter fits y" shafts, for miniature components such as Ferri-10op-stick, sub-miniature pots, etc. Avg. shpg. wt., 2 oz . 32 P 24052 Walnut

COMMUNICATION RECEIVER

## KNOBS

Molded of Tenite with easy grip knurling. These knobs are 1 Ko " over-all diameter with chrome-plated bevel skirts. Depressed numerals are black enamelled on chrome plate. Designed to fit $1 / 4^{\prime \prime}$ shafts.
Numbered 0-10 through an are of $300^{\circ}$ clock wise. Imported. Shpg. wt., 3 oz . 99 P 61053

Net ea. . 36
POINTER, BAR AND


Black knobs molded of high quasity 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, $20 z$.

|  |  |  | Net Each |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | Fig. | Size | 1-24 | 25-99 |
| 32 P 24110 | A | $2^{\prime \prime}$ | . 22 | . 20 |
| 32 P 24120 | C | 11/4" | 14 | .12 |
| 32 P 24136* | C | $11 / 4{ }^{\prime \prime}$ | . 21 | . 19 |
| 32 P 24144 | D | 11/4" | . 17 | . 14 |
| 32 P 24151* | B | 15" | . 30 | . 27 |
| 32 P 24169 | E | 1K" | 17 | . 15 |

## MATCHED KNOB KITS

- Molded From Hi-Impact Plastic
- Brass Screw and Shaft Insert
- For $1 / 4^{\prime \prime}$ Round or Flat Shaft


Trim distinctive, tunctionally styled knobs. Finished In an attractive 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 kit contains 5 knobs all same size. Imported. Shpg. wt., 5 oz . $17 / 9^{\prime \prime}$ Diam., $7 / 8^{\prime \prime}$ Deep Kit of 5 . 99 P 61145
1"Diam., 11/4" Deep Kit of 5
Net 69 99 P 61160

Net 89

## FLUTED KNOBS



Black fluted knobs, with and without skirt. Made of thermosetting plastic with high gloss finish. All have recessed brass insert and set screw. Mount on $1 / 4^{\prime \prime}$ round or flatted shaft. Shpg. wt., 3 ozs.

| Stock No. | Fig. | Oiam. | Hght. |  | $\begin{aligned} & \text { Each } \\ & 125.99 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 24060 | A | 11/9" | " | . 33 | 1 |
| 32 P 24078 | A | $13 / 6{ }^{\prime \prime}$ | 1310." | . 37 | . 34 |
| 32 P 24086 | A | 1 1/8" | 3/4" | . 39 | . 36 |
| 32 P 24094 | B | $11 / 2^{\prime \prime}$ | 13/0 | . 72 | . 65 |
| 32 P 24102 | B | 21/4" | 23 | . 80 |  |

# Photo Cells-Trimmers-Service Parts 

## INTERNATIONAL RECTIFIER b3M SElenium solar cell



Ratings (in full sunllghe) Output 0.2 to 0.4 volts, $11 / 2$ to $21 / 2$ miltiamps. Plastic case with adhesive disc. Size: $11 / 8 \times 11 / 8 \times$ Ko" ${ }^{\prime \prime}$. Shpg. wt., 2 oz
19 P 29033 .........Net 2.40

## INTERNATIONAL RECTIFIER B2M SUN BATTERY



Average sunlight generates 2 ma. current under 10 -ohm load. with milli. ammeter can be used to measure light. In series or series-parallel will drive transistorized equipment. 60 microamps@100 foot candles with 55 ohm load. .5 volt in average sunlight, 25 volt at 100 foot candles. Shpg. wt., 2 oz
19 P 29017
Net ea. 2.30


## PHOTO CELL and SUN battery ASSORTMENT

This interesting special package contains 4 selenium photocells with outputs from $1 / 3$ to /halt and 0.5 ma to 3 ma in bright sunlight. Complete with 24 -page instruction and project manual. Shpg. wi., 4 oz. 19 29108

Net .99


Sturdy closed back Barrier strips moulded in black Bakelite are ideal for permanent installations, as well as breadboard and experimental work. Sturdy barriers between terminal strips insure against accidental shorts. Two mounting holes on each end of strip insure ease of instaliation, See headings about each series for size specifi. cations. Avg. wt.. is 502.

TYPE 14000-15 AMP
Leakage path between terminals is $3 / 8^{\text {n }}$ Base is $7 / 8^{\prime \prime}$ w/de $\times 13 / 32^{*}$ high.

| Stock No. Con | iacts | 1.49 | $\begin{gathered} \text { Net Each } \\ 50-59 \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| 33 P 86018 | 1 | .16 | . 13 |
| 33 P 86026 | 2 | . 17 | . 15 |
| 33 P 86034 | 3 | 20 | . 17 |
| 33 P 86042 | 4 | . 25 | . 21 |
| 33 P 86059 | 5 | . 31 | . 26 |
| 33 P 86067 | 6 | . 36 | . 30 |
| 33 P 86075 | 7 | . 41 | . 35 |
| 33 P 86083 | 8 | . 47 | . 40 |
| 33 P 86091 | 9 | . 52 | . 44 |
| 33 P 86109 | 10 | . 59 | . 50 |
| 33 P 86117 | 11 | . 63 | . 53 |
| 33 P 86125 | 12 | . 70 | . 59 |
| 33 P 86133 | 13 | . 74 | . 62 |
| 33 P 86141 | 14 | . 80 | . 67 |
| 33 P 86158 | 15 | . 86 | . 72 |
| 33 P 86166 | 16 | 91 | . 76 |
| 33 P 86174 | 17 | . 97 | . 81 |
| 33 P 86182 | 18 | 1.02 | . 85 |
| 33 P 86190 | 19 | 1.07 | . 90 |
| 33 P 86208 | 20 | 1.13 | . 95 |
| 33 P 86216 | 21 | 1.20 | 1.00 |

## INTERNATIONAL RECTIFIER S1M SILICON SOLAR CELL

Output rating 0.3 to 0.4 volts and 10 to 16 milliamps in full sunlight. Plestic case with pressure sensitive adhesive disc. Size: 11/ox $11 / 8 x^{3} / s^{\prime \prime}$. Shpg. wt., 2 oz. 19 P 29041

Net 2.40

## S4M SILICON SOLAR CELL

High efficiency version of above S1M. Same output voltage of 3 to .4 volt with output current of 25 to 40 mA . Shpg. wt., 402 . 19 P 29424

Net ea, 4.40

## INTERNATIONAL RECTIFIER



Precision motor with antl-friction bearings. deal for the experimenter and science project enthusiast. Direct operation from power supplies utilizing solar cells. Recommended driving cell is type S4M or two SIM's in parallel (see listing immediately above). Operation from 0.35 to 1.5 Volt. Shpg. wt., 40 Oz .
19 P 29132
Net ea. 3.95

## PIONEER CDS CELLS



FIf. A (700 Series) FIG, B ( 900 Series) Hermetically sealed high sensitivity cadmium sulphide cells. Types ending in 01 thru 04 are suggested for use with slowly changing daylight; types ending in 10 thru 13 especially suited for industrial photocontrol operations depending on interrup. tion of an incandescent source. Maximum dissipation on 700 series is $1 / 1 /$ watt continuous or 1 -watt intermittent 11 min periods); 900 series is $1 / 2$ watt continous 2 watts intermittent. Mean output is photo: current at $50 \vee \mathrm{VC}$ and simulated daylight of 1 FC; range varying $\pm 33 \%$ of mean. Maximum dark current measured at 100 V . 5 seconds after 50FC light extinguished. Photosensitive area of 700 series is .1 sq. in. 900 series is .44 sq . in. Average shpg. wi., 3 oz.

| Stock No. | Type No. | Mean Output | Max. Dark Curs. | Max. Dark Volt | $\begin{aligned} & \text { Net } \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 19 P 47027 | 701 | 1.5 ma . | $25 \mu \mathrm{a}$. | 500 | 1.40 |
| 19 P 47035 | 702 | 3 ma . | $25 \mu a$, | 500 | 1.40 |
| 19 P 47043 | 3703 | 6 ma . | $40 \mu \mathrm{a}$. | 350 | 1.40 |
| 19 P 47050 | 901 | 1.5 ma . | $25 \mu \mathrm{a}$. | 1000 | 1.25 |
| 19 P 47068 | 902 | 3 ma . | $25 \mu$ a. | 1000 | 1.25 |
| 19 P 47076 | 693 | 6 ma . | $40 \mu$ а. | 700 | 1.25 |
| 19 P 47084 | 994 | 12 ma . | $200 \mu \mathrm{o}$ | 500 | 1.23 |



## LAFAYETTE PHOTO CONDUCTIVE CELLS

Conductivity of these sensitive cells varies with intensity of light. All rated at 20 ma at 200 voits. Wave length 4000 to 8000 afigstroms. Resistance at 0 ft . candle is 10 meg for type A, 5 meg for type B, other chart ratings approx. $+50 \%$. imported. Shpg. wt., 2 ox.

| Stock <br> No. | Resislance in ohms at |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 99 P 63216 | 25,000 | 4,500 | 700 | .99 |



- No external power needed

Sensitive to a wide spectrum including white, colored or ultra-violet light. Alt unmounted; complete with leads. Outputs of $100 \mu$ a taken at 100 foot candie illumination with 100 ohm load. Shpg. Wt., 2 oz. Size: $11 \mathrm{KA}^{\prime \prime} \mathrm{x}^{3} \mathrm{Ks}^{\prime \prime}$. Im. ported.
95 P 82432
Net .59


> MICA
> TRIMMERS AND PADDERS Base of low-toss ceramic. $11 / 2 \times 3 / 4 \times 5 / 8^{\prime \prime}$ in size. $1 \% z^{\prime \prime} \mathrm{mtg}$ ctrs. Capacity ranges de. rived from 3 turns open to tight settingAv. shpg. wt., 202.

| Stock No, | 0 P | $\begin{aligned} & \text { Each } \\ & 1-24 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 25-99 \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 34 P 58365 | 1.5-15 | . 35 | . 32 |
| 34 P 68295 | 2.7-40 | . 35 | . 32 |
| 34 P 68303 | 5. -80 | . 35 | . 32 |
| 34 P 68311 | 10. -180 | . 40 | . 36 |
| 34 P 68329 | 25.-280 | . 48 | . 43 |
| 34 P 68337 | 50. -380 | . 54 | . 49 |
| 34 P 68345 | 75. -480 | . 60 | . 54 |
| 34 P 68352 | 105. -580 | 68 | . 61 |

## COUPLERS AND EXTENDERS


(A)
(B)

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, 56" over-all length $12 / \mathrm{s}^{\prime \prime}$ Average shpg. wt., 3 oz. All are couplers except * which are ex tenders.

| Stock No. | Size | Each |
| :--- | :---: | ---: |
| 32 P64124 | $1 / 4 \times 1 / 4^{\prime \prime}$ | .30 |
| 32 P 64132 | $1 / 4 \times 338^{\prime \prime}$ | -30 |
| 32 P64140 | $3 / 8 \times 3 / 8^{\prime \prime}$ | .30 |
| 32 P64157* | $1 / 4 \times 1 / 4^{\prime \prime}$ | .40 |
| 32 P 64165 | $3 / 8^{\prime \prime} \times 4 / 4^{\prime \prime}$ | .40 |



## PANEL BEARING ASSEMBLY

Use with rigid or flexible coupling when mounting. For up to \%so panels. Av. shpg. wt., 408.
32 P $640583^{* \prime}$ long, $1 / 4^{* *}$ shaft $\quad . \quad .40$
32 P $640666^{\prime \prime}$ long, $1 / 4^{\prime \prime}$ shaft
32 P 64074 Bearing only

## EXTENSION RODS

For $1 / 4^{\prime \prime}$ dia. extensions. Av. shpg. wt., 402
32 P 64082- 6" Nickel Plated .. 35
$\begin{array}{lll}32 \mathrm{P} 64090-6^{\prime \prime} & \text { Fibre } \\ 32 \mathrm{P} 64108-12^{\prime \prime} & \text { Nickel Plated } & . \quad . \quad . \quad .70 \\ 32\end{array}$
32 P 64116-12" Fibre

# Printed Circuit Components-Experimenters Items 

## PERFORATED COPPER-CLAD AND UNCLAD BOARDS

- Ideal for Transistor and Subminiature Circuitry

These sturdy perforated boards are the ideal base for builders, experimenters, and labs to mount miniaturized components. Two types available: either high-grade bakelite for wired circults, or one side copper-clad for "printed" circuitry. Holes are Ko" diameter with Ka" between hole centers. All boards are 'hi" thick. For contacts, the flea clips fisted on this page are ideal. Avg. shpg. wt., 901.


PERFORATED CLAD

| Stock No. | Net Each Lots of |  |  | Size | No. of Holes | Stock No. | Net Each Lots of |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 100 | 250 |  |  |  | , | 100 | 250 |
| 19 P 36012 | . 39 | . 34 | . 27 | 276 ${ }^{\text {x }}$ 336" | $17 \times 12$ | 19 P 36053 | 27 | . 22 | . 19 |
| 19 P 36020 | . 68 | . 55 | . 50 | $3^{21} / 32 \times 63 / 4{ }^{\prime \prime}$ | $35 \times 19$ | 19 P 36061 | . 49 | 43 | . 38 |
| 19 P 36038 | 1.37 | 1.14 | 1.04 | $7{ }^{1} 6 \times 63 / 4 "$ | $39 \times 35$ | 19 P 36079 | . 82 | 71 | . 65 |
| 19 P 36046 | 2.05 | 1.64 | 1.43 | 101/2x7\%" | $56 \times 38$ | 19 P 36087 | 1.28 | 1.15 | 1.04 |
|  |  |  |  | 18×7\%" | $95 \times 38$ | 19 P 36095 | 2.14 | 1.92 | 1.71 |

## UNPERFORATED COPPER CLAD LAMINATE

Unperforated, finest quality $X X X P$ bakelite and G-10 epoxy glass bases one side copper laminate clad boards for printed circuit work. Avg. shpg. wt., $140 z$.

| Stock No. | KXXP Bakelite | Net | Stock No. | Epoxy Glass | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 19 P 71019 | $9^{\prime \prime} \times 12^{\prime \prime}$ | 1.50 | $t 9$ P 37044 | $9^{\prime \prime} \times 12^{\prime \prime}$ | 4.20 |
| 19 P 71027 | $6^{\prime \prime} \times 41 / 2^{\prime \prime}$ | . 49 | 19 P 37051 | $6^{\prime \prime} \times 41 / 2{ }^{\prime \prime}$ | 1.24 |
| 19 P 71035 | $3^{\prime \prime} \times 41 / 2^{\prime \prime}$ | . 30 | 19 P 37069 | $3^{\prime \prime} \times 41 / 2^{\prime \prime}$ | . 61 |
| 19 P 71043 | $2^{\prime \prime} \times 41 / 2^{\prime \prime}$ | . 25 | 19 P 37077 | $2^{\prime \prime} \times 41 / 2^{\prime \prime}$ | . 40 |
| 19 P 71050 | $3^{\prime \prime} \times 21 / 4^{\prime \prime}$ | 24 | 19 P 37085 | $3^{\prime \prime} \times 21 / 4 "$ | 34 |

FLEA CLIPS FOR miniature work. Fit perfectly in holes in perTRANSISTOR AND SUBMINIATURE CONTACTS forated copper-clad and unclad boards with
Y silver dia. holes. Made of beryllium copper. silver piated finish. Simply Insert wire thru hole for positive grip contact.
is P 33019 Package of 12
Net .35
"Flea" clips are specially designed for sub- 19

POLYSTYRENE RODS,
TUBES AND SHEETS


Feature high dielectric strength, dimen. sional stablity Low loss, arc-resistance, and insulating properties. Moisture proof. Easily sawed, drilled and tapped. Sheets and rods are transparent, tubing satin finish.

| Stock No | Size Inch | Thick Anch | Shpg. Wi. | $\begin{gathered} \text { Net } \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| 13 P 51014 | $12 \times 12$ | K0 | 9 oz . | 4.07 |
| 13 P 51022 | $12 \times 12$ | \% | 10 oz. | 4.70 |
| 13 P 51048 | $12 \times 12$ | $\%_{0}$ | 10 oz . | 7.01 |
| 13 P 51055 | $12 \times 12$ | 1/4 | $131 / 4 \mathrm{lbs}$. | 7.99 |
| 13 P 51063 | $12 \times 24$ | \% | 14 oz . | 7.64 |
| 13 P 51071 | $12 \times 24$ | $3{ }^{3}$ | $11 / 2 \mathrm{lbs}$. | 6.97 |
| 13 P 51089 | $12 \times 24$ | $1 / 8$ | 11/4 lbs. | 10.29 |
| 13 P 51097 | $12 \times 24$ | \% | $21 / 2 \mathrm{lbs}$. | 12.89 |
| 13 P 51105 | $12 \times 24$ | 1/4 | $31 / 4 \mathrm{lbs}$. | 15.34 |

12" POLYSTYRENE ROOS

| Stock Mo. | $\begin{aligned} & \text { Size } \\ & \text { LX Diam. } \end{aligned}$ | Shpe. Wt. | $\begin{gathered} \text { Net } \\ \text { Erch } \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| 13 P 51113 | $12^{\prime \prime} \times 1 / 8^{\prime \prime}$ | 302. | .15 |
| 13 P 51121 | 12"x ${ }^{\prime}$ \% ${ }^{\prime \prime}$ | 3 oz . | . 17 |
| 83 P 51139 | 12 "x1/4" | 302. | . 20 |
| 13 P 51147 | 1200\% ${ }^{\circ \prime \prime}$ | 3 oz . | . 21 |
| 13 P 51154 | 12"x36" | 408. | . 32 |
| 13 P 51162 | $12^{\prime \prime} \times 1 / 2^{\prime \prime}$ | 402. | . 47 |
| 13 P 51170 | $12^{\prime \prime} \times 5 / 8$ " | 5 oz . | . 71 |
| 13 P 51188 | $12^{*} \times 3 / 4^{\prime \prime}$ | 6 oz . | . 98 |
| 13 P 51196 | $12^{\prime \prime} \times 7 / 8^{\prime \prime}$ | 802. | 1.39 |
| 13 P 51204 | $12^{\prime \prime} \times 1{ }^{\prime \prime}$ | 9 oz . | 1.86 |

12" POLYSTYRENE TUBES

| Stock No. | 0.0. | 8.1. | Shpe. wt. | Net Each |
| :---: | :---: | :---: | :---: | :---: |
| 13 P 51212 | $1 / 4{ }^{\prime \prime}$ | 1/8" | 302. | 20 |
| 13 P 51220 | Koi" | K", | 302. | . 23 |
| 13 P 51238 | 3/" | 3/4" | 302. | . 28 |
| 13 P 51246 | 浬" | 1/4" | 302. | . 33 |
| 13 P 51253 | 5\%" | 1/2" | 302. | . 39 |
| 13 P 51261 | 3/4" | \%" | 302. | . 44 |
| 13 P 51279 | $1^{\prime \prime}$ | \%" | 4 oz . | . 60 |

VECTOR PUSH-IN TERMINALS AND INSERTION TOOLS


Type T9.4, Brass, tin plated with serrated slots, fits .093" hole.
19 P B3014 Pkg. of $100 \quad 1.49$ Type P1228 Insertion tool 19.4 terminals. 19 P83410 Net ea. 1.60
Type T 28 terminal beryllium copper, tin plated, fits hole size . $062^{\prime \prime}$
19 P $83022 \quad 1.61$
Type T285. Same as T-28 except silver plated. 19 P $83618 \quad$ Pkg. of 100 1.72
Type P91, Insertion tool for T28 and T28S terminals.
19 P83063
Type T30N-2 Springcip terminal holds up to six wires without soldering. Nickel plated brass body with nickel plated steet music wire spring, fits hole size $.093^{\prime \prime}$.

| 19 P 83048 | Pkg. of 10 | 1.04 |
| :--- | :--- | ---: |
| 19 P 83030 | Pkg. of 100 | 7.59 |

19 P83394 Pkg. of $1000 \quad 52.96$
P92A Insertion fool for T30N-2 terminals. 19 P 83055
.50
Type T42-1 Micro-klip Push-In terminal for 042" holes, beryllium copper, tin plated. 19 P $83758 \quad$ Pkg. of $100 \quad 1.82$
Type K24C Inbord Pin. Push-in for .042" diameter holes. Phospher bronze tin plated. 19 P $83774 \quad$ Pkg. of $50 \quad .98$
Type $144.025^{\prime \prime}$ square wire wrap pin with slotted top fits $.042^{\prime \prime}$ diameter holes.
19 P $83790 \quad$ Pkg. of $100 \quad 2.96$
19 P 83808 A13 insertion tool for T44 1.69


## G.C CHEMICALS FOR PRINTED CIRCUITS

PRINT-KOTE SILVER PRINT. Pure silver com pound. Air drying. Used to repair printed circuit "wires" and touch up connections $1 / 2$ Troy oz. Shpg. wt., 4 ozs.
13 P 60106 GC-21-1
Net 4.75
PRINT-KOTE COPPER PRINT. A high con ductive, fast drying compound to touch up and repair printed circuits. With brush-cap in 2 oz. bottles. Shpg. wt., 7 oz . 13 P 61146

Net 2.25

## POLYSTYRENE CEMENT AND COIL DOPE

Pure potystyrene dissolved in thinner. for coating, doping, sealling colis, and for cementing polystyrene to polystyrene. 2 or, bottle. Shpg. wt., 7 02.
13 P 60031
Net .60
THINNER FOR ABOVE, 6 oz .
13 P 60049
Net .59

## MASONITE BREADBOARD

- Ideal for Kit Buiiders
-Tempered masonite board with holes spaced $1 / 2^{\prime \prime}$ apart to facilitate mounting of parts. Size $7^{27 / 20 x}$ $113 / s_{2} x^{2 / 4}$ thick. Holes $1 / 4$ diam. Shpg. wt., 802 . 19 P 17012 …....... Net . 29


## SPACER ASSORTMENTS

## $\square$

$-0$
BRASS SPACERS
Package of 16 cadmium plated brass spacers 4 each of $1 / 4^{\prime \prime}-1 / 2^{\prime \prime}-34^{\prime \prime}$ \& $1^{\prime \prime}$ length. Alf accomodate \#6 screw. $74^{\prime \prime} 0.0$.
Shpg. wt., 10 oz .
32 P 12263
Net per phg. 1.39

## FIBRE SPACERS

Assortment of 12 flbre spacers. 4 each of $1 / 4^{*}-1 / 2^{\prime \prime} \&^{\prime \prime} 1^{\prime \prime}$ lengths. All have $1 / 4^{\prime \prime}$ outer dlameter and accommodate \#6 screw. Shpg. wt. 3 oz.

Net per pkg. 1.10

## VECTOR INTEGRATED CIRCUIT KITS

## fibithatto

Vector's hardware kits provide maximum fiexibility for hooking up all kinds of ic cir. cuits as well as discrete components. Kits are built around pre-punched epoxy paper Micro-Vectorboard* chassis which has .042" holes on $1^{\prime \prime} \times 1^{\prime \prime}$ centers plus solder type push-in Micro-Klip terminals and various ac cessories, such as Micro bus strip, wire wrap terminals, chassis supports, etc.
KIt 30XA Micro.Vectorboard chassis $41 / 2 \times$ $81 / 2 \times 1 / 16^{\prime \prime}$, wooden chassis supports, 100 T42.1 terminals.
19 P 83691
Net 4.50
Kit $30 \times$ Micro.Vectorboard chassis $41 / 2 \times$ $82 / 2 \times 1 / 16^{\prime \prime} .2^{\prime \prime}$ high extruded aluminum chassis rails (which can form box with addition of cover plates) $100 \mathrm{~T} 42-1$ terminals and installing tool bare and solder thru hookup wire, layout paper.
19 P 83709
Net 10.75
Kit 31 X Same as 30 X , with addition of. Micro bus strlp, wire wrap terminals and Inbord pins, pot and switch brackets.
19 P 83717
Net 17.50

# "TECHNIQUES" PRINTED CIRCUIT KITS AND SUPPLIES 

- For The Builder-Experimenter-Student- Technician


5CREEN PRINTING
KIT NQ. 5006 FIG. A
Thls Screen Printing KIt provides an accurate and rapid means for making larger sample quantities or even short production runs of printed circults. Frame measures $8^{\prime \prime} \times 12^{\prime \prime}$. It comes with silk already stretched and is hinge mounted on durable formica covered plywood base. Neoprene squeegee is mounted in sturdy all wood handle. Photo stencil film and all chemicals necessary for making' stencils. Complete with screen process etch resistant ink, blockout medium, tape maskIng, solvent, spare bottie and complete instructions. Shpg. wt., $121 / 2 \mathrm{jbs}$.

## 19 P 68247W

Net 29.95
I:1 NEGATIVE ARTWORK KIT FIG.B
Photo reversing kit conves is black line art worh 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, efc., place in contact with reverse 111 m and expose to bright light. Swab developer onto flim and the result is an accurate $1: 1$ negative ready to use to expose any number of presensitized P.C. boards. No darkroom (subdued 1 ght only). camera, tanks or trays needed. All supplies to make two (or more if smaller size) $41 / 2^{\prime \prime} \times 6^{\prime \prime}$ negatlves.
19 P 68502 Shpg. wt., 11 oz. Net 12.95 Extra Developer and 4 sheets of film
19 P 68510 Shpg. wt., 11 oz. Net 6.50 Extra Patterns. Tape and Dots
19 P6852日 Shpg. Wt.. 11 oz. Net 7.95

## BALL POINT TUBES

Make resist patterns directly on copper ciad boards. As easy to use as a ball point pen. Deposits line $k_{0}{ }^{\text {" }}$ wide. No need to "lay-out" colors of resist for color coding circultry.

| Stock No. | Type | Color | Netea. |
| :---: | :---: | :---: | :---: |
| 19 P 68395 | PRLT | Red | 1.25 |
| 19 P 68403 | PRLT | Black | 1.25 |
| 19 P 68411 | PRLT | Bluc | 1.25 |
| 19 P 68429 | PRLT | Green | 1.25 |
| 19 P 68437 | PRLT | Yellow | 1.25 |

## BAKELITE MOUNTING STRIPS




Cadmium plated steel fugs spaced $3 / 8^{\prime \prime}$ on centers. Bakellte strip is $3 / 8^{\circ}$ wide $x .062$ In. thick. Ideal for supporting and foining electrical components. Type marked have grounding lugs in addition to the number of terminals indleated below, Mount with No. 6 screw. Avg. wt., 3 oz. 5 per phge.

| Stock No. | Term. | Fig. | $\begin{aligned} & \text { Net Per } \\ & \text { PK, of } 5 \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 32 P 12057 | 1 | A | . 18 |
| 32 P 12065 | 2 | B | . 20 |
| 32 P 12073 | 2* | C | . 20 |
| 32 P 12081 | 3 | D | . 28 |
| 32 P 12099 | 3* | E | . 30 |
| 32 P 12107 | 4 | F | . 31 |
| 32 P 12115 | 4* | G | . 33 |
| 32 P 12123 | 5 | H | . 35 |
| 32 P 12131 | 5* | J | . 38 |
| 32 P 12149 | 6 | K | . 39 |
| 32 P 12156 | 6* |  | . 40 |

## TECHNICIANS KIT

## NO. 5003 FIG.C

Contains 10 assorted single and double clad XXXP and epoxy glass boards from $41 / 2 \times 6^{*}$ to $3 \times 21 / 4^{\prime \prime} ; 1$ tape resist; 1 liquid resist; eyeiets; 1 drill, etching solution and directions. in plastic box size: 71/8" $\mathrm{I}^{\prime \prime} \times 2^{\prime \prime}$.
19 P 69064 Shpg. wt., 4 lbs.
Net 9.75
EXPERIMENTERS KIT
NO. 5002


A good kit to start off learning the technique of etched circuitry. Contains 6 copper clad boards from $41 / 2 \times 6^{\prime \prime}$ to $3 \times 21 / 4^{\prime \prime}$; Dots; 1 pack efchant; 1 tape resist; eyelet assortment; drill and directions. In plastic box size: $71 / e^{\prime \prime}$ $\times 5^{\prime \prime} \times 1$ 1/8".
19 P 68072 Shpg. wt., $13 / 4$ lbs. ...... Net 4.75 PRESENSITIZED

## COPPER CLAD PANELS

All are $\mathrm{K}_{0}$ " thick copper clad one side. Except * is both sides. *are XXXP laminate. + are G10 epoxy-glass laminate.

| Stock No. | Type | Size | Net Ea, |
| :---: | :---: | :---: | :---: |
| 19 P 68031 | PXC.F* | $6^{\prime \prime \prime} \times 9^{\prime \prime}$ | 2.00 |
| 19 P 68049 | PXC-8* | $6^{\prime \prime} \times 42 / 2^{\prime \prime}$ | 1.00 |
| 19 P 68056 | PXC-C* | $3^{\prime \prime} \times 41 / 2^{\prime \prime}$ | 75 |
| 19 P 68254 | PXE-F | 6"x9" | 4.00 |
| 19 P 68262 | PXE-E $\dagger$ | $6^{\prime \prime} \times 41 / 2^{\prime \prime}$ | 2.00 |
| 19 P 68270 | PXE-C $\dagger$ | $3^{\prime \prime} \times 41 / 2^{\prime \prime}$ | 1.00 |
| 19 P 68445 | PXC.FF** | $6^{\prime \prime} \times 9^{\prime \prime}$ | 3.00 |
| 19 P 68452 | PXC-8B*\# | $6^{\prime \prime} \times 41 / 2^{\prime \prime}$ | 1.50 |
| 19 P 68460 | PXC-CC* | $3^{\prime \prime} \times 41 / 2$ | 1.00 |
| 19 P 68478 | PXE.FF† ${ }^{\text {F }}$ | $6^{\prime \prime \prime} \times 9^{\prime \prime}$ | 5.00 |
| 19 P 68486 | PXE-BB+弗 | $6^{\prime \prime} \times 41 / 2^{\prime \prime}$ | 2.50 |
| 19 P 68494 | PXE-CC ${ }^{\text {\# }}$ | 3" $41 / 2^{\prime \prime}$ | 1.25 |
| PROCESSING MATERIALS |  |  |  |
|  |  |  |  |
| 19 F 68023 |  |  |  |
| Type PXY-1 one ounce dye. |  |  |  |
| 19 P 682d |  |  |  |

## INDUSTRIAL LABORATORY

KIT NO. 5100 FIG. 0
Ready to use presensitized copper ciad laminate cuts time to make prototype printed circuits. Kit contains 20 -pieces single and double clad XXX-P and epoxy fiberglas laminates in assorted convenient sizes, presensitized and uncoated. 20 assorted printed circuit tube and transistor sockets. 2 rolls tape resist strip ko" $_{0}^{\prime \prime}$ and $1 / 8^{\prime \prime}$ wide. 200 die. cut tape resist clrcles $1 / 4^{"}$ and Kis $^{\prime \prime}$ diameter. Bottle liquid resist and brush. Ballopoint resist pen. Package of printed circult eyelets and terminals. \#51 drill, layout paper, ex. posure clamp, developing and etching solu. tions with trays. Full instructions and technical bulletins.
19 P 60015 W Shpg. wt., 9 Ibs. Net 29.95

## PRINTED CIRCUTT ACCESSORIES

Basic components for the experimenter-de-signer-lab-limited production-etc. in printed circuit construction. Highest quality mate-rials-indispensable for prototype work.

TAPE RESIST
320" Rolls of Tape Resist (Black) Average Shpg. wt., 2 oz.


HEAVY DUTY SCREW COLLAR STRIPS


K" bakelite. $\%^{* *}$ wide Nickel Plated Brass Screw Terminals, linned solder lugs. Avg. shpg. wt., 302.

|  |  | NET EACH |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | Term, | 1-9 | 10-99 | 100 |
| 32 P 644 F | 2 | . 20 | . 18 | . 15 |
| 32 P 64496 | 3 | . 25 | . 22 | . 20 |
| 32 P 64504 | 4 | . 30 | . 27 | . 24 |
| 32 P 64512 | 5 | . 36 | . 32 | . 29 |
| 32 P 54520 | 6 | . 41 | . 37 | . 33 |
| 32 P 64538 | 7 | . 46 | . 41 | . 37 |
| 32 P 64546 | 8 | . 52 | . 47 | . 42 |
| 32 P 64553 | 9 | . 60 | . 54 | . 49 |
| 32 P 64561 | 10 | . 63 | . 57 | . 51 |

## TERMINAL STRIPS <br> 

High quality bakellte terminal strips. Solder lugs mounted on Ko" thick insulation. Avallable with 2 thru 10 solder lugs and screw terminals. Mounting holes for 6.32 screws. Avg. shpg. wt., 6 oz. 5 per Package.

| Stock No. |  | Net PkI |
| :--- | :---: | ---: |
| 32 P 12164 | Term. | of 5 |
| 32 P 12172 | 2 | .45 |
| 32 P 12180 | 3 | .83 |
| 32 P 12198 | 5 | .78 |
| 32 P 12206 | 6 | .93 |
| 32 P 12214 | 7 | 1.10 |
| 32 P 12222 | 8 | 1.28 |
| 32 P 12230 | 9 | 1.45 |
| 32 P 12248 | 10 | 1.65 |



## KIT OF 48 SOLDER LUG STRIPS

# Miniature Earphones \& Headphones 

## thape

- Detachable Plug-in Cord
- Flexible Plastic Support
- Excellent Sound Reproduction A sensitive dynamic earphone of exception. ally fine qualify. Lightweight, convenient and comfortable to wear. A flexible polyethylene support holds the receiver securely
 in place for elther ear. The practically invisible transparent cord is connected to the cased earpiece by means of a special plug. Provides clear reoroductlon with a pleasing tone quality. $6-0 h m$ Impedance with $1 / \mathbf{s}^{\prime \prime}$ diameter phone plug and phone jack. With 3 -ft. cord. Shpg. wt., 302 . Imported.
99 P 25413
Net 1.29


## EXTENSION CORD FOR MINIATURE EARPHONES

Perfect for extending earphone from transistor and portable radios. 10 ft . extension cord has $1 / \mathrm{a}^{\prime \prime}$ dia. miniature plug at one end and enclosed socket on the other which accepts $1 / \mathrm{s}^{\prime \prime}$ dia. plug. Cable comes in attractive light pink color. Imported. Shpg. Wt. 3 oz . 99 - 25496

Net .65


Low-priced, Hghtweight, with powerful Alnico $V$ magnets and double coils. Adjustable vinyl covered steel headband. $41 / 2 \mathrm{ft}$. cord. Type AM-15-2-2000 ohm OC, with standard phone piug. Shpg. wt., 1 ib. 40 P 81113

Net 3.80
"CANNON-BALL" SINGLE HEADSET
Single efficient phone with spring steel headband and $41 / 2 \mathrm{ft}$. cord. 1000 ohms OC. Shpg. wt., 60 2. 40 P 81048 AM-15-1

Net 1.65

## "CHIEF" HEADSET

Bakelite phones, double colls, alnico magnets and vinyi covered headband. Diaphragm diameter $2 K$ K". 11 ohms OC. 40 P 81063 CC11

Net 3.70

## BRANDES "ADMIRAL" HEADPHONES

"Matched-tone" headset, Large diaphragms. Double colls, chrome steel magnets. Adjustable vinyl covered headband. $41 / 2$ ' ft . cord. Shpg. wt., $3 / 4 \mathrm{lb}$
40 P 81071 BA.2-2000 ohms
Net 3.60
40 P 81097 BA. $5-5000$ ohms
Net 4.37

## REPLACEMENT CUSHIONS

Soft rubber cushion fits all above phones and most standard headphones. Shpg. wt., 5 oz . 40 P 59325

Net .70


## REPLACEMENT CORDS, \& TIPS

Sturdy copper conauctor replacement cords with cotton insulation, $41 / 2$ feet long, with terminations indicated. Double phone cord, except * is single cord. Shpg. wt., 3 oz .

40 P 59291 Spade and pin tip
40 P 59309 Pin tip both ends
Net 67
Net .67
P 5317 Pin tho both ends. 32 P 85244

SOUND SHELL EARPHONE WITH DYNAMIC SPEAKER

- Fits over the ear
- Less than $11 / 202$.

Unique, new listening device Incorporates a wide range ( 30 to $14,000 \mathrm{~Hz}$.) speaker in a specially designed plastic sound shield. Comfortably fits over either ear for maximum listening pleasure. Impedance 8 ohms. Complete with $41 / 2^{\circ}$ cord and $1 / 8^{\prime \prime}$ dia. miniature plug. Imported. Shpg. wt., $1 / 4 \mathrm{lb}$.
$99 P 26148$
Net ea. 2.95


## SUPER POWER DYNAMIC EARPHONE FOR TRANSISTOR CIRCUITS

- Powerful Efficient Magnet

Extra efficient construction and 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 re. production, when you use this dynamic earphone. AC impedance 6700 ohms. DC resistance 3000
 ohms. Snap on ear-plug. Complete with 3 ft . detachable olug-in cord with miniature $1 / 8^{\prime \prime}$ diameter plug. Imported. Shpg. wt., 202 40 P 78010

Net 2.95

## ECONOMY ALL-PURPOSE DYNAMIC EARPHONE

- For Transistor and Subminiature. Receivers
- For Silent Radio and TV Listening

A sensitive all-purpose earphone which is ideal for use with TV and rado sets, amplifiers, and transistor receivers. Lightweight and equipped with a practically invisible support which is comfortable over either ear. Impedance 6 ohm , with a miniature $1 / \mathbf{g}^{\prime \prime}$ diameter phone plug and a 3 ft . cord. Shpg. wt., $3 \mathbf{0 2}$. Imported 99 P $254881 / \mathrm{s}^{\prime \prime}$ dia. plug Same as above with \%/ar dia. plug 40 P 79018

Net .59
Net .59


## STETHOSCOPE TYPE MONAURAL HEADPHONES

Monaural magnetic unit, are equipped with single removable transducers and may be used as earphone with a snap on earpiece which is included. Complete with $1 / 8^{\prime \prime}$ dia. plug and jack. Imported. Shpg. wt., 5 oz. 6 ohms impedance
99 P 25462
Net 1.95

## SUPEREX SENSIPHONES

Designed for comfort and durability. Double alnico $\vee$ magnetic coil assembltes provide high sensitivity and clear response. Adjustable wide vinyl cov. ered spring steel headband. Single headphone cable with standard molded phone plug. Impedance 2000 ohms. Shpg. wt., 1002.
40 P85023
Net 3.95


# Hearing Aids, Headphones and Pillow Speaker 

SUB-MINIATURE HEARING AID


Lightweight! $31^{95}$

- $25 / 8 \mathrm{~L} \times 15 / 3 \mathrm{~W} \times 5 /{ }^{5} \mathrm{DD}$ Only 2 ounces!

- Weighs Only $1 / 20 \mathrm{oz}$ - No Cords
- Self-Contajned Miniature Unit


# Battery charger 



- Complete with Battery Charger,

2 Rechargeable Nickel Cadmium Batteries and Case
A fine unit combining good performance and very small size. Destgned as a light and compact "ear-lobe" hearing aid. All components are contained in the flesh-colored high Impact case, which is worn behind the ear. Weighs only $1 / 2$ of one ouncel Sound travels to the ear through a clear fube. Independent on-off switch and volume control. Operates 8.10 hours on a rechargeable nickel cadmium battery and $80-100$ hours with a non-rechargeable mercury cell. Complete with a handy battery charger capable of charging cells overnight. Imported. Shpg. wt., 9 oz.
99 P 90722 L No Money Down*
Net 62.96
32 P 47467 Rechargeable nickel cadmium cell for above .... Net 1.44 32 P 46683 Pkg. of 6 Mercury cells for above ...................... 2.10

## 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 Deople can both see and hear the progzam wlth the loudspeaker cut off. Tops for enjoying the late-late show withont disturbing the rest of the household or the nelghbors.
FOR MARD-OF-MEARING. Hear without turning the set volume so high that others can't stand the nolse. If is possible to listen either with the loudspeaker cut off or, if the everyone wants to hear, with thr, speaker on.
FOR NOISY PROERAMS vIew with the speaker off.
FOR NORMA OPERATION it does not affect the regular use of the TV set. It does not have to be disconnected.
REMOTE CONTROL comes complete with 20 ft . of cable so it can be operated comfortably from a distance. Has its own volume control, speaker on-off switch, and. two sets of jacks so either 1 or 2 ear: phones can be connected. Supplied with a miniature dynamic earphone. Highiy sensitive and efficient. Complete with 1 earphone with 3 ft . of cord and plug and control box with 20 feet of cable. Only $37 / a \times 2 \times 11 / 2^{\prime \prime}$. Instructions Included. Shpg. Wt., 11/8 Ibs.
13 P 09012
Net 6.50
EXTRA EARPHONE. Shpg. wt., 3 oz .
99 P 25488
Net .59
10' EXTENSION CORD for above.
99 P 25496 Shpg. wt., 3 oz.
Net . 65


A real bargain-the convenience and advantages of earphone listen ing at an especially low price. This is an extremely efficient, double headset with adjustable headband, for private listening or for greater inteligibility 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 sfandard headphone lips. Imported. Shpg. wt., 42 lb .
99 P 25041
CLEVITE-BRUSH HEADPHONES
$22^{00}$

Model BA-200.1. Rugged, sensitive, impedance, 45,000 ohms. Response, 100.
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(D) Banishes bothersome ear pressure. Tubular sound arms pipe signal to ears. Only 1,6 oz. Complete with 5 ft . cord and stand ard phone plug. Shpg. wt., 7 oz.
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40 P 59507 Y No Money Down* ....Net 34.00

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(F) Dual magnetic headsets with removable ear cushions. light in weight-yet very rug. ged. Cholce of 600 or 2000 ohm headphone impedance. "With 250 ohm noise cancelling dynamic boom microphone. $\dagger$ With High $Z$ ceramic boom microphone. All with 5 ft . cord and slandard $1 / 4$ " Phone plugs. Average shpg. wt., $11 / 4 \mathrm{lbs}$.

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| :--- | :--- | :--- | ---: |
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## 33 <br> 25

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| 19 P 27292 | GE-4 | 2.94 |
| 19 P 27300 | GE-5 | 1.68 |
| 19 P 27318 | GE-6 | 1.83 |
| 19 P 27326 | GE-7 | 1.77 |
| 19 P 27334 | GE-8 | 1.29 |
| 19 P 27714 | GE-9 | 1.26 |
| 19 P 27359 | GE. 10 | 1.20 |
| 19 P 27367 | GE-11 | 1.53 |
| 19 P 27722 | GE-12 | 2.34 |
| 19 P 27730 | GE-13* | 3.56 |
| 19 P 27748 | GE-14 | 3.51 |
| 19 P 27755 | GE-15* | 7.02 |
| 19 P 27763 | GE-16 | 3.15 |
| 19 P 27771 | GE-17 | 1.42 |
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| 19 P 28043 | GE2D-5.1 | 5.1 | 1.20 |
| 19 P 28050 | GEZD-5.6 | 5.6 | 1.20 |
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 Ready for immediate use as an efficient wireless means of transmitting your voice over moderate distances within a home, from a high impedance microphone into any standard FM radio. Use with $B, C, O$, or $P$.19 P 55277
Net 2.98
burglar alarm module with siren alarm Protect your home, car, boat, garage, eic., with this efficient burglar alarm module. Complete electronic circuitry with a bullt-li electronic high volume upward screaming slren as the alarm sounds. Use with: $A$, H. 1. K.

19 P 55061
Net 2.98

FM WIRELESS GUITAR TRANSMITTER MODULE Contains complete solid-state electronic circuitry to transmit gultar music over moderate distances within a home from a guitar contact microphone into any FM radio. You can play your musical instrument in one part of the house while your family and friends Ilsten to you on $s$ FM radio in another room. Use with B and $N$.
19P55319 ..................................Net 1.69

## SIGNAL INJECTOR MODULE

For RF and AF Trouble Shootins
An efficient signal injector which generates a 2 Kc audio frequency signal with modulated radio frequency harmonics up to 30 Mc . Enables isolation of defective electronic stares. Use with: D. E.
19 P 55269

CB MICROPHONE PREAMP MODULE
Effectively increases CB modulatlon for more dependable communications. More than doubles the sensitivity and output of your microphone when powered by a $11 / 2$ volt batteryIse with: B, C. W. AR on accessory llst.

## 19 P 55152

Net 2.98

## TEIEPHONE AMPLIFIER MODULE

Compact module with complete solld-state circultry for use as a telephone ampllifer. Permits group and conference listening to any phone conversation. Use with: $\mathbf{A}, \mathrm{H}$, 0. Y. DD.

## 19 P 55129

Net 2.98

## AM WIRELESS MICROPHONE MODULE

Transmit from your high impedance micro. phone (crystal, ceramic, high impedance dynamic) into any AM broadcast band radio in your home. Meets FCC regulations. No license or registration is required. Use with: license or reqistration is required. 19 P 55228

Net 2.98
WIRELESS GUITAR AMPLIFIER MODULE
Electrify Your Guitar. Ready for immediate use as an efficient means of ampllfying your guitar music and transmitting it into any nearby AM broadcast band radio without interconnecting cables. Conforms to FCC regulations. Use with D, E, N, BB.
19 P 55244
. Net 1.49

## BABY NURSE AMPLIFIER MODULE

Will ampility not only a baby's whimper, but even report his normal movements and breathing in his crib. Use with: $A, U, C C$, and 2 ea. $H$.
19 P 55145 Net 2.98

## PUBLIC ADDRESS AMPLIFIER MODULE

Complete solid-state circuitry for Immediate use as a public address amplifier and for use in portable high gain P.A. systems. Produces clear audio signal sufficient for large rooms. Ideal for small gatherings and business meeting. Use with: A, G, 0 or P, Y, DD.

## guitar tremolo mooule

Add Guitar Tremolo to Any Guitar. Provldes your guitar with a tremolo sound effect when connected between guitar pick-up micro phone and guitar amptifier. Tremolo depth is preset to ideal level and fremolo frequen cy may be varied for about 4 to 15 cycles per second. Use with: D, E, Z.
19 P 55160
Net 1.49
ELECTRONIC'LATCHING RELAY MODURE
For Momentary Break Contact to Operate Tamper-Proof "Lock-On" Switch, Ideal for Burglar and Emergency Alarms. Ready for immediate use as an efficlent latching relay for controlled switching of a 6 volt D.C. power source intn any secondary circuit drawing up to $1 / 2 \mathrm{amp}$. Any momentary breaklag of contact at "momentary swit:h" will fire module "on" (supplying current to a secondary circuit) and will stay "on" until manually reset. Use with: A, I, K
19 P 55079
Net 2.98

## BIRD CALL MOOULE

Bird Call Simulator
Complete electronic circuitry ready for im. mediate use for electronically reproducing bird calls. Capable of simulating the songs of canarles, parakeets, and other exotic warbling birds. Use with: B, C, F, I.
19 P 55178

## GUITAR AMPLIFIER MODULE

Electrify your guitar with this gultar ampli. fier module. Complete solid-state circuitry ready for immediate use as a sensitive and efficient guitar amplifier. Use with: $A, G, N$, $Y$ and DD below.
19 P 55103
Net 1.49

## WIRELESS COOE OSCILLATOR MODULE

Transmit code into any AM radio over moderate distances when connected to a small 9 -volt transistor battery and any telegraph key. Meets FCC regulations, no license or registration is required. Use with: D, E, M and BB below.
19 P 55236
Net 1.49

## LAFAYETTE CONVERTER MODULES

## LISTEN TO POLICE, FIRE, AIRCRAFT, AND SHORTWAVE ON YOUR <br> PRESENT AM SET

VHF POLICE AND FIRE CONVERTER MODULE Permits reception of police and fire calls in the 30.50 MHz band on your standard broadcast band AM radio. Use with D, E, BB. See accessory list below.
19 P 55285
Net 5.00

Now you can have the thrlll of listening to the exciting pollce broadcasts, the fire department calls, communications between planes and ground stations as well as Inter- shortwave converter mooule national shortwave bands. Simple to connect Same as above but tunes 25, 31, and 41 to your present AM broadcast radio. Size: meter bands (7-12 MHz.). Use with $\mathrm{D}_{1} \mathrm{E}, \mathrm{BB}$. $13 / 4 \times 3 / 4 \times 1^{\prime \prime}$. Control extends $11 / 2^{\prime \prime}$. Shpg. See accessory list below.
wt. 4 oz.
19 P 55301
Net 5.00

## FM VHF POLICE AND WEATHER CONVERTER

 MOOULEPermits reception of $\mathbf{1 5 0 - 1 6 4}$ MHZ FM-VHF police, fire, emergency, marine and weather transmlssions on a standard FM radio. Use with D, E, U, CC, BB. See accessory list below. 19 P 55368

Net 5.00
AIRCRAFT CONVERTER MODULE
Same as above but for reception of 118 to 128 MHz , Band Use with D, E. See accessory list below.
19 P 55293
Net 5.00

## Stock No.

 A. 32 P 48184 A. 99 P 92584 B. 34 P 62564 C. 34 P 50137 D. 99 P 60212 E. 99 P 62879 F. 99 P 60329 - 44 P 01030 G. 44 P 01030 4. 32 P 22056I. 99 P 6150
J. 99 P 62184
K. 34 P 60029
M. 99 P 25553

Switch, SPST, Push-Button, Momentary, NO.

Price
1.13
1.13
.19
.31
.29
1.05
5.95

Speaker, PM 8 ohm, $8{ }^{\prime \prime}$
Speaker, PM, 8 ohm, $6^{\text {¹ }}$
Switch, SPST, On-0ff
Switch, SPST, Momentary, NC
Tetegraph Key
Description
Battery, 6 Volt Lantern
Battery, $11 / 2$ Volf "D"
Holder for B
Battery, 9 Voit
Clips for D
.26
2.75

## ACCESSORIES FOR SOLID STATE MODULES ABOVE

## Price

 Stock Mo. N. 99 P 45767 O. 99 P 45106 C. 99 P 10340 U. 32 P 22510 U. 32 P 225102.49
1.59
W. 32 P 22544
Y. 32 P 22551
Z. 33 P 11313

AA. 32 P 13071
BB. 32 P 31909
CC. 32 P 24052

DD. 32 P 24185

## Description

Microphone, Guitar Contact
Microphone, Lapel Crystal
Microphone, Hand Held/Desk Crystal
Telephone Pickup Coil
Potentiometer, 5,000 $0 \mathrm{hm} /$ SPST Switch Potentiometer, $1 / 2$ Megohm with Switch Potentiometer, 1 Megohm with Switch Potentiometer 25,000 Ohms
Microphone Cable, Shielded (Cut to 3 ft .) Wire, Antenna (Cut to less than 10 ft .) Knob. Miniature
Knob

# EICOCRAFT Solid-State Kits 



MINI COLOR ORGAN KIT
 color red blult coior red, blue and green 3 dimensional patterns varying to the amplitude of the sound source, Molded plastic cabinet has $8 \times 8^{\prime \prime}$ viewing screen. For 115 VAC 60 Hz . Shpg. wt., $11 / 2$ lbs. 19 P 66183

## ELECTRONIC STROBE-

 LIGHT KITEC-3004 Xenon strobe light to provide the kaleldoscopic audio lighting now in use by combos, discotheques, etc. Has adjustable flash rate control. Ideal for home entertainment, decor and display use. Easy-to-bulld. 19 P 66225 Shpg. wt., $11 / 4$ lbs, Net 19.95


EC. 1900 Battery operated beat-frequency metal locator can be used to locate both ferrous (iron, steel etc) and non-ferrous (gold, silver, copper) metals. Has two Rf oscillators and search loop Distinctive audio variations in tone indicate the presence of buried metal objects over a wide area. Use with A. Shpg, wt., 6 oz. 19 P 66100

## 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, 0 and E. Shpg. wt., $40 z$

## 19 P 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 . near instrument. Use with B. Shipg. wt., 502.
19 P 66084

## 2 STATION INTERCOM KPT

EC-3100. Sensitive battery-operated 2 -station intercom system for room-to-room and frontdoor communication. Master and remote stations have beep-tone call signal. KIt In. cludes battery, $50-f$ t. wire, and plastic cabinets.
19 P 66191 Shpg. wt., 1 Ib. Net 10.95

## VOICE-QPERATED SWITCH KIT

EC-1300. An audio-activated relay ampilfler for audio remote control of such devices as tape recorder, radio. TV, etc. Activated by music as well as voice. Provides ariable time delay (adjustable). Use with 8. Shipg. wt., $60 z$.

19 P66167

[^13]

EC-3600. Varies and controls the speed of power tools and appliances having AC/DC Motors. Handles up to 10 amps in a smooth continuous manner from 0 to full RPM. Has 3 position "Variable-Off-Full Speed" switch. Fused, with 3 wire receptacles and 3 ft . heavy-duty line cord. For 115 VAC 60 Mz . 19 P 66209 Shpg. wt., 12 oz. Net 13.95

## FM WIRELESS MIKE KIT 995

EC-1100 Pocket size wireless FM micro phone transmitter permits you to broadcast your voice or music through any
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., 6 oz .
19 P 66019
19 66019

Net 9.95

## LOW BAND POLICE AND FIRE CONVERTER KIT

EC-2700. An RF converter operating in the $30-50 \mathrm{MHz}$ VHF band which permits you to hear police, fire and emergency services on your standard AM radio. Inductively coupled without interconnecting wires. Use with A. Shpg. wt. 5 oz .
19P66126
Net 7.95

## FM RADIO KIT

EC-1400. Receives the FM broadcast band from $88-100 \mathrm{MHz}$. May be used as a private listening personal radio with earphone supplied, or as an FM tuner when coupled wlth audio amplifier such as EC-300. Use with B. Shpg. wit. 6 oz .
19 P 66092
Net 9.95

## FUZZBOX KIT

EC-2500. Creates a wide variety of synthesized tones consisting of multiple harmonics and square waves to produce the fuzz sound. Mounts on guitar amplifier with ONOFF slide switch which mounts on guitar Use with A. Shpg. wt., 6 oz .
19 P66159
Net 8.95

## AC POWER SUPPLY KIT

EC-900. Transformer operated full-wave bridge rectifier power supply converts house current ( $110-125 \mathrm{VAC}$ ) to 6 V DC. It can power all Eicocraft klts using 6 V batteries, elim. inating battery operation and converting to AC use. Shpg. wt., 13 oz.

ELECTRONIC ORGAN KIT


EC- 2000 Battery operated one octave (8 tones) electronic organ. Supplied with a built-in preamplifier. Has outputs for mellow, bright or flute-like tones. Two 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 P 66118

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 152.174 MHz VHF band. Inductively coupled without Interconnecting wires. Use with A. Shpg. wt., 5 oz.
19 P 66134
Net 7.95

## AUDIO POWER AMPLIFIER KIT

EC-300. General purpose 2 -watt audio amplifier. Accepts microphone, phono cartridge, radio, recorder and other high-level inputs. Two used for stereo. Handles one or more speakers for Intercom. PA, or long distance hailing. Use with $\mathbf{B}$ and E. Shpg, wt., 5 oz. 19 P 66027 ...................................... 5.95

## ELECTRONIC "MYSTIFIER" KIT

EC-700. A fascinating "do nothing" relaxation oscillator circuit of 6 blinking llghts whose random geometric sequence of blinks you control. An ideal conversation plece for desk, den or mantle. Use with C. Shpg. wt., 5 oz.
19 P 66035
Net 4.95
EICOCRAFT KIT ACCESSORIES
A. 99 p 60212 Battery, 9 Volt Net .31
B. $32 \mathrm{P} 48184 \mathrm{6V}$. Lantern Batt.
C. 32 P 48515 Battery, 90 Volt
D. 99 p 25546 Telegraph Key
E. 32 P 27006 3.2.8, $4^{\prime \prime}$ Spkr.

Net 1.13

# D Mod-ukits-Educactional, Useful, And Fun to Build 



## (A) POOL ALARM KIT

A silent sentry pool alarm which protects a pool when not in use or unattended by detecting an increase in water level in the pool. A chitd falling into the water will cause a buift-in horn to sound and continue sounding until power is turned off. Battery (not supplied) operated circultry features a water sensor probe; SCR latching circuit, battery, test button and on-off switch. Simple to assemble. Slze: $4 \times 5 \times 13 / 4^{\text {" }}$. Shpg. Wt., $11 / 4$ lbs. 19 P 70235 Less Battery .......Net 12.95 32 P 482756 V Battery for above Net 1.54

## (B) AIRCRAFT RECEIVER KIT

Listen to airplane to ground communications. Will pick up and amplify the strongest sig. nals in its vicinity in the 100 to 200 MHz range. Mas 3 -stage high gain ampllifier. Circuitry incorporates a passive detector that does not radiate signals. Does not interfere with aircraft navigational systems. Telescoping antenna. Supplied with earphone. Unplugging earphone disconnects power. Powered by a single 9 volt battery. Size: $3 \times 2 \times 11 / 4{ }^{\prime \prime}$. Shpg. wt., wt., 6 oz .
19 P 70086 Less Battery ......... Net 5.95
99 P 60212 Battery
Net .31

## (C) AM WIRELESS MIKE KIT

Transmits through any standard AM radlo. can be located up to 50 -ft. away from set. Basic 2-transistor circuit. Frequency varied by tuneable coil. Complete with crystal mike and telescoping antenna, size: $3 \times 2 \times 11 / 4^{\prime \prime}$. Shpg. wi., 602.
ig P 70094 Less Battery $\qquad$ Net 7.95

## [D UNIVERSAL AMPLIFIER KIT

Excellent as a portable amplfier, guitar ampilfier, 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, etc.; will work with any 3. ohm to 16 -ohm PM speakers. $3 \times 2 \times 11 / 9^{\prime \prime}$. 19 P 70011 Shpg. wt., 7 oz . ...Net 5.95

## FM WIRELESS MIKE KIT

Transmits your voice to be pleked up by any standard FM radio. 2-transistor circuit with an audio modulator and R.F. osclillator. Frequency controlled by external trimmer condenser. Complete with mike and telescoping antenna. Size: $3 \times 2 \times 14 / 4^{\prime \prime}$. Wt., 602. 19 P 70102 Less Battery $\qquad$ Net 8.95 99 P 60212 9V Battery .Net 31

## (G) PROXIMITY SWITCH KIT

An alarm at the touch of the hand! The Proximity Switch kit when properly built can be used as a special light alarm and night light. Can control devices using universal type motors up to 2 amps , and can trigger off an alarm when used with a special transformer and AC supply. Touching a door knob or other chosen part switches circuit on! $4 \times 3 \times 17 /{ }^{\circ \prime}$.
19 P 70045 Shpg. wt., $3 / 4 \mathrm{lb} . . .$. Net 6.95

## INTRUDER SOUND-LIGHT ALARM KIT

Novel security device defects intruders.
Sounds picked up in room or house by micro Sounds picked up in room or house by microphone included and sensitive amplifier turns on light of sounds alarm. Sensitivity control seis noise threshold. Housed in walnut finished aluminum case. Size: $5 \times 4 \times 21 / 2^{\prime \prime}$.

19 P 70219 Shpg, wt., I lb, ....Net 19.95 Electric Alarm Belf 110 VAC for above. 99 P 90235 Shpg wt., 1 lb. ....Net 3.25 Line cord for bell. Wt., $4 \mathbf{0 z}$.
12 P 39011

## MOD-U-KIT PSYCHEDELIC LIGHT KITS

## FREQUENCY CONTROLLED 3-CHANNEL PSYCHEDELIC CONTROL CENTER KIT

## 3-CHANNEL PSYCHEDELIC CONTROL CENTER KIT

WIRELESS SOUND TO LIGHT CONVERTER KIT
$24^{95}$


- Frequency Controlled 500 Watts Per Channel-1500 Watts Total
A 3-channel sound to light control center providing frequency separation of the Incoming sound into 3 parts: low frequencies 60 Hz to 1 kHz , medium frequencies - 1 kHz to 3 kHz , high frequencies -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 sensitivity control and an $A C$ outlet. On/off neon pabel indicator. size: $5 \times 41 / 2 \times 21 / 2^{\prime \prime}$.
19 P 70185 Shpg. wt., $12 / 2$ lbs. Net 24.95
 - Responds to Intensity of Sound - Provides 500 Watts Per Channei1500 Watts Total
Converts audio signals to 1500 watts of available external psychedellic lighting. 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 $l \ddagger g h t$. Housed in walnut finish aluminum case. Size $5 \times 4 \times 21 / 2^{\prime \prime}$.
19 p 70169 Shpg. wt., $11 / 2$ lbs. Net 12.95
$12^{95}$ (2)
- Requires No Connection To Equipment - Controls 500 Watts of External Psychedelic Lighting
Converts the rhythm and intensity of any sound, voice or music to psychedelic light keying signals, Extremely sensitive microphone included and high gain amplifier with sensitivity control, responds to all sounds anywhere in the vicinity. No wire hookup needed. WIII modulate sound up to 500 watts of external lighting. Size: $5 \times 4 \times 21 / 2^{\prime \prime}$. Shpg. wt. $11 / 2 \mathrm{lbs}$. 19 P 70227


## ELECTRONIC STROBE KIT

- Supplies 100 Watts Of Psychedelic Lighting!


Accepts sound from any radio, hi.fi, phono, or any amplifler and changes these direct audio signals to light keying signals. In addition to 4 colored pllot light indicators plugged into the unit, an AC socket supplies 100 watts of external psychedelic lighting which varies with the sound. Shpg. wi., 1 lb . 19 P 70151

# FLY THE BIG SKYHAWK BY REMOTE CONTROL 



- Easy to Fly-Ideal for Beginners
- One Mile Range of Control
- Rechargeable Batteries with Charger
- Big 44" Wingspan-Length $27^{\prime \prime}$
- Internal Combustion . 049 Engine


Simple snap in wing and ready to fly radio controlled plane which incorporates true (pulse) proportional control for smoother, more realistic flight control. This plane is so easy to fly that it is recommended for beginners-no electronic or mechanical skill is required. Aircraft fuselage constructed of virtually indestructible super-impact styrene. Wings and horizontal stabilizer are of super light styrofoam. Tricycle landing gear assures simple landings. High torque .049 cubic Inch internal combustion engine has gas tank attached for 4 minutes of powered flight. Super sensitive 9 transistor superhet receiver combines with a powerful dual coil, twin magnet actuator
for superior reliability, 8 transistor 250 milliwatt transmitter prokides up to one mile range control. Simple guidance controls include finger tip trim for basic in-flight stabilization. Transmitter powered by eight $11 / 2 \mathrm{~V}$ penlite cells (not supplied). Complete with $\mathrm{R} / \mathrm{C}$ plane, transmitter, battery charger, and illustrated flying instruction book. Shpg. wt., 7 lbs.
42 P 73017W for 27.145 MHz
Net 79.95
42 P 73058 W for 26.995 MHz Net 79.95 42 P 73090 W for 27.195 MHz Net 79.95

## SKYHAWK SPECIFICATIONS

Length: fuselage $27^{\prime \prime}$, Wing $44^{\prime \prime}$. Flying Weight: 23 ounces (approx. imately). Speed: 30 MPH True. Fuel Capacity: 4 Minutes powered

COMPLETE OUTFIT:
Plane, Receiver, Transmitter, Batteries and Charger for Plane
flight. Transmitter: Single Tone AM Modulated Relayless Pulse. Receiver: Superheterodyne. With Pulse Width Rate Decoders.

## VALKYRIE-2 ROCKET KIT

- Altitude Capability Over 1000 Feet
- Reusable With Parachute Recovery
- Launched Mechanically or Electrically
- Looks And Performs Like The Real Thing
- Safe, Non-Flammable Non-Toxic Propellant

[^14]
# Rock Polishers and Hobby Kits 

## THUMLER'S 6 LB. CAPACITY TUMBLER



- Grinds and Polishes Rocks and Gem Stones $24^{95}$

A deluxe 6 bb . capaclty lumbler using two 3 lb , capacity heavy-duty molded rubber barrels for long-life quiet operation. The twin rubber barrels permit doing the job twice as fast. Features heavy, continuous duty, fan-cooled motor with overload protection operating on 115 VAC. Complete with barrels, but less abrasives, stones, etc. See accessory listing below. Shpg. Wt., $81 / 2 \mathrm{lbs}$.

## 15 P44535

Net 24.95

## ACCESSORIES FOR TUMBLERS

Crushed Sem mix. A 1 lb . deluxe assortment of agate, adventurine, rhodonite, and other exotic colored rock which polishes to a jewelry. like finish. Shpg. wt., $1^{1 / 2}$ lbs.
15 P44527
.Net 2.95
Grit and Polish Assortment Mit. Complete 4 -grade abrasive kit containing coarse and fine grits, pre-polish and polish.
15 P44519 Shpg. wt., $24 / 4$ lbs.
Net 2.95
Jewelry Making Kit. Jewelry blanks for mounting polished stones. includes tie clasp, cuff-links, charm bracelet, jewelers cement, jump rings, etc. Shpg. wt., 7 oz .
15 P 44501
.Net 1.95

## RENWAL VISIBLE V-8 ENGINE KIT



The Vistble V-B is a superb guide to the study of the internat com bustion engine. Precise $1 / 4$ scale "see-thru" model engine that simulates the power plant of V-8 autos. Parts molded in 4 colors, including "clear", so that functioning plstons, connecting rods, rocker arms and properly timed spark plugs can be observed. Powerful permag motor activates over $\mathbf{1 0 0}$ moving parts. Powered by two "C" batteries (not supplied). Complete with polystyrene cement, hardware, screwdriver, and Hlustrated instruction manual which detalls how an auto engine works. Shpg. wt. 5 lbs.
19 P 69005 Complete Kit Less Batteries
Net 9.95
99 P 62572 1.5V "C" Battery ( 2 required) ...................... ea. . 17

## PHOTOGRAPHY DARKROOM LAB WITH ENLARGER

- Complete Darkroom Outfit
- Photo Enlarger, Contact Printer, 35 mm Projector All In One Kit


Photography lab kit enables you to print and develop your own photos, enlarge 35 mm shots up to $8 \times 10^{\prime \prime}$, and project your 35 mm negatives. Kit includes developing chemicals, printing and enlarging paper, 3 trays, thermometer, neon safellght, print frame taking slides up to $3 \dot{1} / 2 \times 4 y \mathrm{a}^{*}$, twin condensing lenses and G.E. projection lamp. A complete photo lab in one kit. Shpg. wt, $41 / 4 \mathrm{lbs}$.
18 P 30031
Ideal deluxe chemistry lab kit for experimenters, hobbyists, students. Conduct over 700 programmed experiments in chemical gardening, analytical testing spectroscope analysis, and many more. 6 modular torage racks hold over 26 chemicals and supplies. Advanced equip. ment includes precision lab scale and weights, hydrometer, spectroscope, hydroponics tray, alcohol lamp and blow plpe, plus all basic lab equipment such as test fubes, etc, Detailed instructions and lab procedures. Shpg, wt., $101 / 4 \mathrm{lbs}$.

- Full Range of Chemicals and Supplies
- File Cards for Over 700 Experiments
- Six Storage Modules in Metal Case

A revolutionary anti-pollution automotive power plant utillzing rotating discs for combustion, replacing the piston and cylinder in conventional engines. It features fewer parts, greater compactness and higher efficiency. This see-thru Mazda engine shows flashing plugs, rubber fan belt and has pre-colored parts, all visible in operation. Powered by two inexpensive penlite batteries (not supplied). Easily assembled from instructions. On $31 / 2^{\prime \prime}$ display stand. Assembled motor is $10^{\prime \prime}$ long $\times 81 / 2^{\prime \prime}$ high $\times 5^{\prime \prime}$ wide. Imported. Shpg. wt., $21 / 4$ lbs.
19 P 41004 Complete Kit, less batteries .....................Net 4.99 99 P 62580 AA Cells ( 2 required)

Net ea. 10

## GILBERT DELUXE CHEMCRAFT KIT

 alytical testing, spectroscope analysis, and chies more. 6 ed equip

\title{

Educational Science Specialties

\section*{GILBERT Tri-Lab-Pak

## GILBERT Tri-Lab-Pak <br> 3 Science Kits in 1!



- 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 95 experiments includes: die-cast metal $75 x$ microscope, slides, 9 bottles of chemicals, test tubes and rack, alcohol lamp with blowtorch, mineral specimens and identification wall chart, geologists hammer, and other associated lab testing apparatus and tools utilized in laboratory experimentation. Complete with detailed instruction manual. Shpg. wt., 5 lbs.
19 P 34090

## Weather Station Kit




ONLY $11^{65}$

Fun to erect and fascinating to use, this weather station kit operates with flashing neon lights to show wind speed and direction on indoor indicator board. Includes a sensitive air tank barometer with 4 - ft . indlcator column, a sling psychrometer to measure relatlve 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 house. Safety power cord. All connections safe to touch. Shpg. wt., 3 3/4 lbs.
19 P 30023
SKY ROVER Crystal Radio Kit


## $3^{30}$

Easy to assemble, brings in loud, clear reception. Precision wound tuning coll, supersensitive crystal, bakelite cabinet. No batteries or electricity requlred. Complete with earphone with plastic ear-hoider, antenna lead-in wire, and hardware. Requires external antenna (not supplied).
19 P 58024 Shpg, wt., 1 Ib. ....Net 3.30 Antenna kit. Wt., $11 / 4$ lbs.
32 P 30984
.Net 2.35
Net 10.99

# GILBERT Weathercraft Meteorology Lab 

$10^{45}$ - Build and Use Barometer, Wind Vane, Psychrometer and Rain Gauge

- Forecast Weather Accurately


Be your own meteorologist and simply forecast the weather. This Jeluxe weather laboratory kit contains every instrument necessary for extremely accurate weather prediction. Includes: a wind vane to show wind direction and an anemometer to give its speed; a compensated aneroid barometer provides barometric pressure; a psychrometer determines relative humidity; a set of graphs for charting air pressure and temperature; a detailed weather map and cloud chart. A gauge measures rainfall to $1 / 100$ th inch, and a de. tailed manual shows how to make accurate forecasts. Requires 2 " C " batteries, not supplied. Shpg. wt., 3 lbs.
19 P 34082 Less batteries

$$
s
$$

99 P 62572 Less batteries 1.5 C battery ( 2 required)
. Net 10.45
Net ea.
.17

## NOVATRON

A SCIENTIFIC INSTRUMEN FOR THE EXPERIMENTER $15^{80}$
Completely Wired (Not A Kit)

- Miniature Atom Smasher
- Produces ${ }^{\circ}$ 75,000 Volts
- Absolutely Safe


A scientlfic instrument capable of producing 75,000 volts-makes sparks up to $\mathbf{2}^{\prime \prime}$ longyet it is absolutely safe because the current is infinitesimal. The science-teacher-science lover-or hobbyist can perform experiments to astound students-friends-family. Makes smoke disappear-defy gravity-turns propellers at a distance-transforms atomic energy into light-makes artificial lightning -smashes atoms-demonstrates ionic space ship drive-and many other experiments. Includes an experimental kit and illustrated experiment manual. A fine research tool that will give years of beneficial service. 110 VAC. Imported. Assembled.
99 P 90086 Shpg. wt., 3 lbs. Net 15.80
Atomic Energy Lab


49

Ingenious wit for studying some basic nuclear physics by experimentation. See the vapor trails of alpha and beta particles, and of cosmic rays. Shows exploding atoms. Instruction book covers such experiments as detecting radioactivity with a cloud chamber, with a spinthariscope, and with radioautographs; checking radioactivity with an electroscope, detecting ionization and others. Kit includes radioactive materials. Shpg. wt., $31 / 2$ lbs.
19 P 30015

ELECTROCRAFT Master
Electric Buildi-lt Set


An advanced but completely safe educatis nal kit in the field of electricity that enables the student to make any one of over 30 projects including motor driven hot rod. motor driven dune buggy, lamp, flashlight, electro-magnet. telegraph set, electric crane and many others. All projects are battery operated. Easy-to-read, illustrated 76 -pare Instruction manual. Size: $211 / 2 \times 131 / 2 \times 21 / 4^{\prime \prime}$. Shpg. wt 21/2 lbs.
19 P 64030 Less Batteries ........Net 8.95 Batteries For Above
99 P 62564 "D" 2 req. ........Net ea. . 19 99 P 62580 "AA" 2 req.......Net ea. . 10

Mineral Teknikit Set 1


Contains 48 specimens of ore, organics, fossils, elements. plutonics, oxides, volcanics, hypabyssals, effusive crystals, common and uncommon minerals. Each specimen is tagged with name and classification. An excellent introduction to rock and mineral identlfication. Imported. Shpg. wt.. $11 / 2 \mathrm{lbs}$. 99 P 71557 $\qquad$ ..Net 2.85
SET II Includes additlonal specimens of some of above plus carbonates, tantaine. phosphates, and gemstones. 48 specimens. Imported. Shpg. wt. $11 / 2$ lbs.
99 P 71565
Net 3.50
Special Combination. Buy both sets and save. You ret all 96 specimens. Shpg. Wt.. $2^{3 / 4}$ lbs. 99 P 71573 M

# Fiber Optics-Black Light-Candle Kit 

## FÍBER OPTICS WHALE LAMP



- Complete Unit Not a Kit

\author{

- Continuous or Flashing Light
}

A truly novel fiber optics lamp utilizing a black ceramic whale whose waterspout is a fiber optic spray with 200 points of light. Safe, powered by two inexpensive penlite cells (not supplied). Supplied with 2 bulbs for continuous or flashing light, and a transparent multicolored disc to provide colorful effects. Overall size: $9 \times 9 \times 7$ H. Shpg. wt., $11 / 2 \mathrm{lbs}$.
19 P 32110 Lamp, less batteries
.Net 11.95 99 P 62580 Penlife cells ( 2 required) ...................Net ea. 10

## 50 FT. COLORED PLASTIC FIBERS



Now you can add the touch of color to your customized fiber optics decorative displays. The 50 ft . package of fibers cut into $25-2 \mathrm{ft}$. lengths comes in five assorted colors which add immeasurably to the beauty of your lighting effects. Shpg. wt., 402. 19 P 32029

Net 2.49

## 100 FT. COIL 20 MIL PLASTIC FIBER



Here is the additional plastic fiber needed to expand your displays. A 100 ft . coil of 20 mil diameter light transmitting plastic fiber. Shpg. wt., 7 oz.
19 P 32128
Net 2.99

## 12 INCH GLASS FIBER LIGHT PIPE



Use additional light guides for multi-trunked light projects. Each $12^{\prime \prime}$ light pipe contains 225-1.8 mil diameter glass fibers bundied into a flexible vinyl covered jacket, with polished and eyeleted ends. Shpg. wt., 407. 19 P 32037
.Net 1.00

## MAGIC-GLO BLACK LIGHT KII



- Learn Invisible Detection
- Write Secret Messages
- Educational Scientific
- Enjoyable Interesting

The Black Light Kit enables you to see the invisible. Guaranteed completely safe and harmiess. This kit allows children to study the phenomena of fluorescence and phosphorescence. Set contains black light, socket and cord, laboratory lamp stand, 4 jars of fluorescent paint, invisible ink, invisible crayon, tracer powder, 3 fluorescent mineral specimens, phosphoragram, optical bleach, brushes and pen, and a package of fluorescent materials. Enables the student to perform endless numbers of fascinating experiments. The amply illustrated 48 -page booklet, "The Story of Black Light-The Unseen World Around Us," explains the use of black light in fields such as mineralogy, elecironics, crime detection, medicine, stamp collecting and many others.
19 P 13011 Shpg. wt., 21/2 Ibs.
19 P 13029 Replacement U.V. Bulb for above
.Net 12.95

Lafayette's Electronic and Hobby Kits Make Learning Fun!


## LAFAYETTE INTRODUCTORY

 $595{ }^{\text {fiber opicts kit }}$ 5INCLUDES DC LIGHT SOURCE

- Bend Light Around Corners - Make Decorative Light Sprays and a Flexible Trouble-Shooting Light
Let Lafayette introduce you to the magical world of plastic and glass fibers that transmit light energy from one end to the other-safely -even underwater. You can cut and bend these flexible strands to obtain a myriad of decorative effects. This is the ideal kit with which to get started. Kit includes a 2 -cell penlite light source (batteries not supplied); two light hood adapters, a $12^{\prime \prime}$ vinyl covered flexible light pipe with polished ends (containing 225 gtass microfibers), a rigid image pipe with attached ball magnifier, 1220 mil diameter 1 foot long plastic fibers, a fiber optics image stone and a set of instructions. Shpg. wt., 7 oz .
19 P 32003 Complete kit, less batteries $\qquad$ Net 5.95 99 P $62580 \quad 11 / 2 \vee$ Pentite Cell (2 required) ................................ 10



## LAFAYETTE ADVANCED FIBER OPTICS KIT

HEDU


- With DC and AC Light Sources - Includes Colored Fiber and Flame Tips - Make Decorative Tier Sprays

This expanded kit for the advanced hobbyist permits experimentation and completion of additional larger projects not possible with the other more basic kits. Particularly significant is the inclusion of a 115 VAC power source eliminating dependence upon short-lived battery power. Pre-assembled AC source consists of plug, line cord, socket and 7 -watt lamp. Kit also contains penlight source (batteries not supplied), 3 hood adapters, 3 completed colored mini sprays, colored plastic fiber ( 20 pieces each of five colors), 10' coil of 200 sheathed glass fibers, $10^{\prime}$ coil of sheathed plastic fibers, $10^{\circ}$ of 40 mil plastic fibers, lens, 2 plastic balls, image conduit, $1^{\prime \prime}$ face plate, package of colored flame tips and assorted eyelets and heat shrink tubing. Includes detalled fiber optics information and instructions. Shpg. wt., $13 / 4 \mathrm{lbs}$.
19 P 32078 Complete Kit, less batteries

Net 16.95 99 P 62580 11/2 Volt Penlite Cell (2 req.) $\qquad$ | Net ea. |
| :--- | ---: |
| 10 |



## 3.FAN SPRAY MAGIC NEW 99 <br> - Interchangeable Colored Fan Sprays

A fiber optics light wand with hundreds of uses. Applications include night lights, hair tiaras, floral clusters, back bar lighting, centerpieces, children's foys, etc., with usage limited only by the imagination. Consists of pentite source (batteries not supplied), hood adapter, and 3 assembled colored fiber optics fan sprays. Shpg. wt., $3 / 4 \mathrm{lb}$.
19 P 32102 Less Batteries .........Net 2.99 99 P 62580 Batts. (2 req.) ..Net ea. . 10

LAFAYETTE HOBBYIST FIBER OPTICS KIT


The perfect kit for the hobbyist and experimenter. Gives complete simplified information on handling, bundting, cutting, and terminating optic fibers as well as additional suggestions for projects and applications. Colored plastic fibers permit construction of beautiful decorative illumination. Kit contains a 2-cell penlite light source (batteries not included), light hood adapter, 12" vinyl covered glass light pipe (containing 225 glass microfibers), 20 1-ft. lengths of five assorted colored plastic fibers, $12^{\circ}$ bundle of unjacketed 1.8 mil glass fibers (over 2,000 strands), 5 ' ft. vinyl jacketed glass light pipe, $11 / 2^{\prime \prime}$ rigid image pipe, $1 / 2^{\prime \prime}$ square fiber optic image plate, $1 / 2^{\prime \prime}$ square glass plate, lens, rigid image pipe with attached ball magnifier, rigld and flexible heat shrink, "introduction to Fiber Optics Manual", and an instruction manual. Shpg. wt., $1 / 2 \mathrm{lb}$.
19 P 32011 Complete kit, less batteries
Net 9.95 99 P $6258011 / 2 \mathrm{~V}$ Penlite cell (2 required)

Net ea. . 10

## ${ }^{95}$

FIBER OPTICS LAMP KIT

- Easy To Assemble
- Provides Sparkling Decorative Lighting


Assemble your own handsomely designed "conversation piece" fiber optics lamp and enjoy the dazzling beauty of its sprouting fibers. LIght is transmitted to the ends of the fibers and glows in sparkling beauty. Has 250 fi. bers and opaque illuminated stand and switch. Adjujstable height 15-18" with $5^{\prime \prime}$ dia. base. Easily assembled from instructions supplied. Operates on 115 V AC. Shpg. wt., $11 / 2 \mathrm{lbs}$.
19 P 32060 ..............Net 9.95 For Optional 3-Tier Fiber Opfics Fountain Spray, See Below.

## NEW DECORATIVE FIBER OPTICS SPRAYS

## - Complete Professional Assemblies

## - Beautifies Light Displays

Enhance the beauty of your fiber optics lamps and light displays with these handcrafted plastic fiber sprays. Ready to use, supplied with a multi-color disc for colorful effects.

## (A) 3-TIER FOUNTAIN SPRAY

An assembly of $1209^{\prime \prime}$ optic fibers preformed into a beautlful 3 -tiered spray and providing 120 color points.
19 P 32086 Shpg. wt., 5 oz. ....Net 4.95
(8) Single.tier umbrella spray

Over $2007^{\prime \prime}$ optlc fibers are preformed into an artistic single-tier umbrella-shaped spray providing 200 color points.
19 P 32094 Shpg. wt., 4 oz. ....Net 2.99

## Selected Educational and Science Kits

## GRAYMARK 8-Transistor Radio Kit



Enjoy the fun of building thls superior 8 transistor AM radio with excellent sensitivity, selectivity, and rich full volume. All parts mount directly on the clearly marked printed circuit board, with all holes predrilled for easy assembly. Circuit features include built-in ferrite rod antenna, and AGC. Powered by 4 inexpensive penlite cells AGC. Powered by 4 iser in handsome black (not supplled). Housed in handsome black plastic case with anodized aluminum grille. With handy wristband and private earphone. Detalied instruction manual. Size: $7 \times 3 \times$ $12 / 2^{\prime \prime}$. Imported. Shpg. wt. $11 / 2 \mathrm{lbs}$.
19 P 11007 Compl. Kit less batts. Net 16.75 " $A A^{\prime}$ " Cell ( 4 req.) 99 P62580 Net ea. . 10

## RAYTHEON-LECTRON EDUCATIONAL SETS

- Space-Age Magnetic Blocks Make Electronics Child's Play
- No wiring - No tools No Electronics Know how Needed
- Match magnetic blocks with a schematic diagram in guidebook - Series 2 Set Builds 43 Projects


## - Series 3 Set Builds 56



## Fascinating Projects

Set consists of domino-like see-thry magneflc connecting plastic blocks each self-contained wth a transister, capacitor, or other electronic component, etc., inside and the electronic ymbol thereof engraved on the top; an $8^{\prime \prime} \times 11^{\prime \prime}$ metal ground plate and an 80 page instruction manual. When a project is complete, circuit symbols on the blocks form a schematic dlagram. Manual covers basic theory principles of the components and project diagrams and explanation. Easy! And Fun!

SERIES 2 LECTRON SET-make 43 working projects including transistor radio, electronic organ rain moisture indicator, audio ampliflers, light moduhated detector, Morse code transmitter, metronome, burglar alarm and more, plus your own ingenuity. Shpg. wt. 3 lbs. 19 P18051

SERIES 3 LECTRON SET-make a solid state radio with speaker in 2 minutes and 55 more projects - all of Series 2 plus Intercom, volce transmitter, public address and telephone amplifier. automatic night light, etc. Shog. wt., $31 / 4$ lbs,
19 P18044
Net 22.25

## COMPLETE EASY-TO-BUILD <br> SCIENCE PROJECTS



ELECTRIC BELL KIT. Makes push-button bell, buzzer and telegraph key. Teaches how electricity and magnetism create sound. Morse Code. Less battery.
19 P 14001 Shpg. wt. 4 oz. ....Net 2.29 - Cell for above (1 Req.)

99 P 62564
Net ea. . 19
ELECTRIC MOTOR KIT. Wind armature, construct motor, adjust speed running forward and backward. Illustrates electromagnetic principles. Less battery.
19 P 14027 Shpg. wt.; $40 z$.
.Net 2.29 D Cell for above (I Req.)
99 P 62564

## $2^{29}$

- Explains Scientific Principles Involved
- Instructions and Additional Experiments

LENS AND LIGHT LAB. Convex and concave Lenses are used to bend light, prolect and focus images, build a simple telescope and focus images, buresting lens activities.
19 P 14035 Shpg. wt., 4 oz, ....Net 2.29
hYDRAULIC PUMP KIT. Build working lift, force and compression pumps. Interior cylinder, piston valves and reservalr visible while pump is working. Shoots a stream of water 25 feet.
19 P 14043 Shpg, wt., 4 0z. .... Net 2.29
VISIBLE FLASHLIGHT KIT. Construct a rug. ged transparent flashlight and understand basics of electrical circuits and fuction of switches in controlling electricity. Less batteries.
19 P 14019 Shpg. wt. 4 oz. ....Net 2.29
D Cell for above (2 Req.)
99 P 62564
Nel . 19

## SOLID-STATE TREASURE/METAL LOCATOR <br> Locator

## $29^{95}$

Not a Kit-
Factory Wired

- Gives Positive Variable Audible Signal Indicating The Presence Of Buried Coins And Metal Objects
- Locates Both Ferrous Metals (Iron, Steel, Tin) And Locates Both Ferrous Metass (Sron, Seel,
Non-Ferrous Metals (Gold, Silver, Copper)
- New Design Using Integrated Circuit

Pays for Itself many times over. . opens up a new world of excitement and adventure. Electronically delects metal objects as small as a half-dollar up to 6 inches beneath the ground: gold silver, coins, anything metallic. No meters or dials to check; solid-state integrated circuit gives positive audible low frequency beat heardity increases when the treasure/ whenever a metal object is approached. Audible signal inmend public utilities (gas and telemetal locator draws nearer the object. Practical or home and public uipes in yard or garden phone servicemen) too. Helps locate plumblng inside walls, or, find pipes res restant. Special before digging. Epoxied super-sensitive $61 / 2{ }^{\prime \prime}$ contions, Lightweight and easy to use. $36^{\prime \prime}$ shield increases sensitivity, prevents false indicaltectronics completely factory wired and handle collapses to $20^{\prime \prime}$ for easy storage. Not a kit- Unde single 9 V , transistor battery tested-merely requires attachment of lonp and handie. Us. wt., 3 lbs .
(not supplied). Overall length: $40^{\prime \prime \prime}$; housing $4 \times 5 \times 23 / 4$. S
19 P 67017 Treasure/Metal Locat, 3 oz.
99 P 60212 gV Battery. Shpg, wt.

WEIGAT MEASUREMENT KIT. Assemble an accurate double-platform scale using factory. accurate gram weights, Perform experiments in comparative weight measurement.
19 P 14050 Shpg. wt., 5 oz. .... Net 2.29
CAMERA AND PRISM LAB. Build a working pinhole camera. The prism, mirror and color filters permit experiments in bending and reflecting light and investigating the color spectrum.
19 P 14068 Shpg. wt., 4 oz. ....Net 2.29
ELECTRICAL MEASUREMENT AND CONDUCTIVITY KIT, Build a galvanometer-the basic electrical meter, Measures voltage, current and resistance. Teaches current flow, resistance and heat. Completely safe. Less battery. 19 P 14084 Shpg. wt., 4 oz. ....Net 2.29 D Cell for above (I Req.)
99 P 62564
Net ea. . 19
SOUND AND MUSIC LAB. Expiains scientific principles of sound. Construct a two-string musical instrument and experiment with musical harmony and melody.
19 P 14094 Shpg. wi., 4 oz. ....Net 2.29

## Iogix ELEGTROMIE EOTMPUTER KIT

## Provides an insight to the Complex World of the Computer

## $29^{95}$

- Absolutely Safe-No High Voltage
- No Soldering
- Over 425 Parts
- 39 Different Programs
- 112 Page Detailed Illustrated Instruction Manual


The Logix electronic computer provides an introduction to computer technology by means of numerous experiments and programs. Its fundamental principles correspond to those of infinitely larger computers systematically showing what makes them work and how they can be used. "Snap-in" type parts simplify assembly of the console. once assembled its manual details 39 different programs, progressing from very simple to more and more complex ones. Setting up a program simply involves connecting wires on the top side of the console exactly as shown in a wiring scheme. With each program is learned the logic that goes with it. You can play computerized games with an opponent, or match wits with the computer. Computerized weather forecasting is obtained by use of weather


OPTIX Optical and
Photography Kit


- A Complete Optical and Photographic Laboratory
- Performs Over 135 Projects and Experiments
- Build Microscope, Telescopes, 35 mm Reflex Camera
- 112-Page Detailed Illustrated Instruction Manual

This complete laboratory kit contains a set of 11 optically correct lenses, a prism, 114 precision engineered components all made of modern plastics, colored filters, mirrors and chemicals-all the components required to perform over 135 prolects. The 112 -page manual has over 250 Illustrations and provides a course in optics. Learn about mirrors, lenses, prlsms, color, the human eye and corrective eyeglasses, and other phenomena of light. Experiments include building a periscope, microscope, several telescopes, kaleidoscope, making and developing photographic film, and culminates in the constructlon of an actual, working 35 mm reflex camera with a complete interchangeable lens system. A section deals with interesting optical Illusions and their scientific explanation, "magic tricks", and distorted images. Easy-to-follow, step-by-step instructions and background information make the equipment assembly and experimentation "goof-proof". Every required component is providednothing else is needed. The ideal kit for the inquiring mind for ages 11 through 60 . Imported. Shpg, wt., $3 \sqrt[4]{4}$ ibs,
19 P 23010 Complete Optix Kit
input. Similarly, the computer can diagnose illness and recommend therapy. You can program airline bookings, routing of long distance telephone calls, mixing of complex colors, translation of languages, detection of criminals and investigation of cybernetic problems. Nine advanced programs deal with the binary system, complex mathematical calculations. Venn diagrams and the law of sets as well as playing a game of simulated chess. In addition provisions are made for individuals own creative programming. Kit is complete with 112 page manual, less flashlight battery. Imported. Shpg, wt., $43 / 4 \mathrm{lbs}$.

19 P 23002 Complete Kit (less battery)
Net 29.95
99 P 62564 D Cell for above (2 Req.).
Net
.19


ELECTRIX Electricity Experimenters Kit


## $16^{95}$

- 140 Fascinating, Safe Experiments in Electricity, Magnetism, and Telecommunication - Easily Assembled-No Soldering Required
- 112-Page Detailed Illustrated Instruction Manual

This complete laboratory kit contains 135 precision engineered com: ponents required to do over 140 constructions and experiments, except for 4 inexpensive " $C$ " cells not supplied. Components are used over and over again in assemblies that are built on the two functional consoles and provide a meaningful insight to the world of electricity. The fully illustrated 112 -page manual supplies a theoretical background for the experiments performed. You assemble electrical circuits and make an electroscope, electromagnet, telegraph system utilizing Morse Code, a tripolar electric motor, burglar alarm system, and electrical generator. Voice transmission is accomplished by building a microphone, amplifier and speaker, and assembling a complete working telephone system. Provides an excellent perspective of the modern uses of electricity. This kit has much to offer in creativity, sound scientific knowledge, and enjoyable exciting experimentation with electrics-a most fascinating science. imported. Shpg. wt., $31 / 2 \mathrm{lbs}$
19 P 23028 Complete Electrix Kit, less batteries .... Net 16.95 99 P 62572 "C" Celt ( 4 required) ...........................t ea. 17

# SRLAFAYETTE <br> Experimenter Kits 



- Absolutely Safe . . .

No High Voltage or Soldering

- Detailed Simplified Instruction Manuals

$10^{8}$

- Build 20 Interesting Electronic Projects
- Easy to Wire Spring Tension Terminals
- Pre-assembled Educational Wiring Block

Educationally stimulating kit utillzes separate building units that connect to form 20 interesting electronic devices. Spring tension terminals simplify wiring and eliminate the bother and danger of soldering. Incorporates one transistor. a tuner. diode, key, transformer, galvanometer, solar battery. two resistors, and three capacitors. Battery provides safe low voltage power. Projects are easily assembled in minutes. Attractively packaged in a convenient storare case. Supplied with all components including battery. Shpg. wt. 2 lbs.
99 P 35214
Net 10.29
99 P 62580 Extra $11 / 2$ volt "AA" battery.
Net .10

## lafayette ] O-in- ] \|C electronic project kit



- Enlarged Visualized Integrated Circuit
- Absolutely Safe . . . No High Voltage or Soldering
- No Technical Knowledge Necessary
- Detailed Simplified Instruction Manuals
- Build 10 Educationally Stimulating Projects

Lafayette's efectronic project kit features an enlarged visualized integrated circuit which clearly shows the typical placement of a condenser, two resistors, transistor and diode in an IC. All connections are fachlitated by spring tension terminals for easy wiring without soldering. Projects include circuit testers and communication sets. All components are reusable and mounted on an attractive wood molded panel. Supplied complete with manual and batteries. Size $11 \mathrm{~W} \times 13 / 4 \mathrm{H} \times 8^{\prime \prime} \mathrm{D}$. Shpg. wt., $13 / 2 \mathrm{lbs}$.
99 P 35099
Net 8.25

99 P 60212 Extra 9 volt battery
Net . 31


## COMSPACE Radio Kits

 AsAs
As $495 \begin{gathered}\text { Available in } \\ \text { Three Models }\end{gathered}$

## 2-BAND SHORTWAVE

 AND AM BROADCAST KIT2 Bands cover both standard AM $540-1620 \mathrm{kHz}$ and shortwave 4-12 MHz, which includes parts of the international broadcast, ham, aeronautical and marine bands. Sensitive superhet circuit features 6 transistors, 2 diodes, 1 thermistor, and excellent fone. Has built-In ferrite rod antenna. Simple construction with numbered etched circuit board. Pow-
ered by 4 inexpensive " $\mathbf{D}$ " cells (not supplied). Shortwave band requires external antenna, not supplied. Detailed simplified instructions. Size: $101 / 4 \times 35 / 8 \times 55 s^{\prime \prime}$. Shpg. wt., 3 lbs ,
19 P 10017 2-Band Receiver Kit, less Batteries $\qquad$ ...Net 17.95
99 P 62564 " $D$ " Cells for Above ( 4 required) .Net ea.
32 P 30984 Shortwave Antenna Kit. Shpg. wt., $11 / 4$ Ibs..........................Net 2.35

## AM BROADCAST RADIO KIT

Radio receiver kit, same as above, except covers only $540-1620 \mathrm{kHz}$ AM broadcast band Circuit utllizes 6 transistors and 2 diodes. Same attractive plastic case with handle. Powered by 4 inexpenslve " $D$ " Cells (not supplied). Shpg. wt., $21 / 2 \mathrm{lbs}$.
19 P 10009 AM Receiver Kit, less Batteries
Net 14.95
99 P 62564 " $D$ " Cells for Above ( 4 required)
Net ea.

## FM BROADCAST RADIO KIT

A fine FM receiver kit. Same as above, except covers the 88-108 MHz FM broadcast band. Circuit utilizes 9 transistors and 2 diodes, Has built-in telescoping whip antenna. Excellent tone quality, Complete detailed instruction manual. Powered by 4 inexpensive "D" Cells (not supplied). Shpg. wt., $21 / 2 \mathrm{lbs}$.
19 P 10025 FM Receiver Kit, less Batteries
Net 19.95
99 P 62564 "D" Cells for Above (4 required) $\qquad$ Net ea. 19


- Use It Either as an AM Radio Receiver or P.A. System

Build your own safe, battery-operated transistorized AM radio receiver, that is also a PA system. Headphones pick up local radio programs; microphone for announcing your own home programs. Alnico speaker, antenna and all required parts. Big $18^{\prime \prime}$ plastic cabinet. Easy-to-assemble with instructions. Pow. ered by 3 inexpensive " C " cells (not includ ed). Shpg. wt., 5 lbs.
19 P 31096W
Net 11.50
99 P 62572 " C "' Celis ( 3 req.) Net ea. . 17
Lafayette Cat. No. 730

## LaFayette ] 5(0)-in- $]$ ELECTRONIC EXPERIMENTERS KIT

## Assemble 150 Interesting Electronic Projects

\author{

- $100 \%$ Reusable Components <br> - No High Voltage or Soldering <br> - Sturdy Compact Wooden Case <br> - Detailed Instruction Manual
}

Lafayette's 150-in-1 IC Electronic Experimenter's Kit supplies a variety of exciting projects dealing with measurement, radio broadcasting and receiving, communications, sound and muslcal instruments, physics, chemistry, amusement, and convenient living. Its quality components are attractively displayed in a functional, sturdy wooden storage case for ease in experimentation and long lasting protection. The enlarged visualized integrated circuit clearly shows the various devlces that form a typical IC. Each experiment is wired using easy to connect spring tension terminals. This feature permits $100 \%$ reuse of all components and eliminates the bother and danger of soldering. Power is supplied from three standard low voltage batterles, thus eliminating the possibility of shock hazzard. Simplified manual portrays each experiment in both visual and written forms. The visual representation permits convenient theoretical circuit reasoning and the instructions provide a short cut for speedy wiring. Geared to be educationally stimulating for youngsters as well as adults, Supplied with all components including batteries. Size: $31 / 2^{\prime \prime} \mathrm{H} \times 151 / 2^{\prime \prime} \mathrm{W} \times 81 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., $31 / 4 \mathrm{lbs}$.

## 279

> Featuring An Enlarged Visulized Integrated Circuit

Vivid enlarged repre. sentation clearly shows the functional components of a typical integrated circuit. Incorporates a capacitor, resistors, transistor and diode to form a remark. able educational unit.

# EDUCATIONAL-CREATIVE-NO TECHNICAL KNOWLEDGE NECESSARY! LEARN WHILE YOU BUILD! 



## LAFAYETTE © (0)-in-] ELECTRONIC PROJECT KIT BUILD 80 SAFE BATTERY OPERATED ELECTRONIC PROJECTS

\author{

- All Solid State Circuitry - No Soldering Required
}

The ideat introduction to the world of electronics for young or old experimenters. Build over 80 safe, battery operated, useful solidstate projects with this one kit. No soldering or tools required. Detailed, simplified instruction manual provides easy-to follow instructions for each project. Point-to-point wiring between numbered parts using spring type connectors completely eliminates soldering. Each project can be assembled and disassembled in just minutes. This "breadboard" type kit is ideally suited to the design of as many additional circuit projects as your ingentify and crea. tivity can produce. Nothing else needed-kit includes all parts for these projects-galvanometer, solar cell, transistors, relay, balfled speaker, earphone, microphone, relay transformer. tuning capacitor, volume control, telegraph key, antenna, diode, resistors, capacitors, batteries and connecting wires-all packed in a fitted hardwood case. Size $15 \times 83 / 4 \times 4^{\prime \prime}$. Imported. Shpg. wt., 3 lbs.
99 P 35016 Complete $80-\mathrm{in}$-1 Kit
Net 18.95
99 P $6258011 / 2 V$ Replacement Battery (2-requlred) Net ea 10 99 P 60212 9V Replacement Battery (1-required) _._._ Net . 31

The fascinating projects which can be assembled with these Lafayette kits cover a wide range of subjects such as home entertainment, wheless communications, telephony and telegraphy, muslc, public address, alarms and warning systems, electrical measurement, digital circuitry, physiology, weather, etc. You can build many different radio recelvers, including à solar powered transistor radio. Also included are projects concerning computer type "AND" and "OR" circuits, many varietles of light and sound code signal com-
munications using Morse Code, several transistorized amplifters and public address systems, continuity checkers and signal tracer, wireless microphone, metronomes, electric harmonica, photoelectric relay and burglar alarms. Some unusual projects include a sensitlve photomèter, rain alarm, auto headlight dimmer, cat sound simulator, muscle simulator, water level warning system and many others designed to provide fun for the entire family.

# Deluxe Multi-Station Intercom Systems 

 EMERSON-RITTENHOUSE AM/FM HOME RADIO-INTERCOM SYSTEM

## BOGEN IE SERIES SOLID-STATE 7 AND 13 STATION INTERCOMS



ALL MASTER SYSTEM: Consists of a Multiple Conversation intercom
 master can call one or more stations. IE-7 and IE-13 masters have volume control, press-to-talk bar with dictate lock, rugged pushpush selector switches. with identification strips. For 120 volt $A C$ $50 / 60 \mathrm{~Hz}$. Wiring instructions-use unshielded cable with at least one more conductor than total number stations in system.
SINGLE MASTER-MULTIPLE REMOTE SYSTEM: Consists 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 stations. Master can call one station-or several simultaneously. RIE-1 remote station can originate calls to master, privately or non-privately. RIE-1 remote has press-to-talk bar and privacy switch. For $120 \mathrm{VAC} 50 / 60 \mathrm{~Hz}$. Wiring requirements-use 3 conductor unshielded cable between master and each remote. Sizes of $\operatorname{IE}-7$, IE-13, RIE-1 are $7 \% / 4 \times 67 / 6 \mathrm{~W} \times 43 / 6 \mathrm{H}$. Shpg. wt., (IE-7 and IE-13) $3 \frac{1}{4}$ lbs.; (RIE-1) $21 / 4$ lbs. EACH IE- 7 MASTER USED IN A SYSTEM REQUIRES A IBE JUNCTION BOX. EACH IE-13 MASTER USEO IN A SYSTEM REQUIRES 2 JBE JUNCTION BOXES.
44 P 12318 Model IE-7 7-Station Master
.41 .20
44 P 12300 Model IE-13 13-Station Master
.50 .35
44 P 12292 Model RIE-1 Remote Station
13.35

44 P 12326 JBE Junction Box, 13 oz.
Net 5.95


## Complete System

 No Money Down*
## COMPLETE SYSTEM INCLUDES

 1-AM/FM Master Unit 3-Indoor Remote Stations 1-Entrance Remote Station 1-Installation Kit with Plaster Frames For Above Equipment, AM/FM Antenna, Low Voltage Transformer and 200 ft. 3-Wire 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 Handsomely styled FM/AM home radio intercom system fills your home with the pleasant sounds of music, entertainment and news. Intercom permits instant room-to-room communication, monitoring and door answering. Radio is silenced automatically when intercom calls are made from any station. Twelve transistors and 5 dlodes with tuned RF stage for improved FM performance. Up to 8 remote stations may be connected to master. Alf stations are designed for built-in installation in walls of $2^{\prime \prime}$ or more thickness. Color coded wiring simplifies connections. Powered by U.L. listed low voltage transformer (supplied). Complete system includes 1 RM-16 master station with off-white finish and gold trim, 3 each RL-17 Indoor stations, 1 R0.14 weatherproof door entrance station, AM and FM antenna, RT- 28 low voltage transformer, plaster rings for above and 200 ft . coil of 3 wire intercom cable. Dimensions: Master Unlt- $141 / 2$ $\times 5^{\prime \prime} ; \mathrm{Rt}-17: 73 / 4 \times 41 / 2^{\prime \prime} ;$ RO-14: $35 / 8 \times 53 / \mathrm{m}^{\prime \prime}$. Shpg. wt., $121 / 2 \mathrm{lbs}$. 44 P 46019 w ................................................................... 123.50


## AODITIONAL STATIONS ANO WIRE FOR ABOVE SYSTEM

44 P 46027 R1-17 Indoor Remote. Wt., $13 / 4$ Ibs. ........Net 10.45 44 P 46035 RO. 14 Entrance Remote. Wt. 1 oz. ........Net 8.30 32 P $14525100^{\prime} 3$-cond. Cable. Shpg. wt., 21/4 Ibs. .. Net 3.66

## FANON IN-404 SOLID STATE 3-STATION INTERCOM SYSTEM



Complete System:

$$
344^{95}
$$

- Features Plug-in Wiring for Instant Installation
- Comes with Two 50 ft . Cables and Plugs
Versatile 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, $7 \times 31 /{ }^{\prime \prime}$ $\times 2^{\prime \prime}$. For 117 V AC. Imported. Shpg. wt., 15 lbs.


## 44 P 30294W

Net 34.95
Extra indoor remote with 50 ft . cable and plug. 44 P 30302 Shpg. wt., 4 tbs.

Net 8.95
Outdoor remote with 50 ft . cable and plug. 44 P 30310 Shpg. wt., 4 lbs.

Net 8.95
Additional 100 ft . cable with plugs.
44 P 30328 Shpg. wt., 1 lbs.
Net 3.95

## 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 conversations may proceed simultaneously. Includes 50 ft . multi-conductor cable with plugs. Powerful IC circuitry allows distances of 500 ft . between first and last master station. Size: $7 \times 31 / 2 \times 2^{\prime \prime}$. For 117 V AC, 60 Hz . Imported. Shpg. wh., 2 lbs . (Not Hlustrated.) 44 P 30278

Net 29.95
Additional 50 ft . length of 6 -conductor cable with plugs. 44 P 30286 Shpg. wt., $13 / 4$ lbs.

# Intercom Systems for Home or Office 



Battery-operated solid-state 2 -station intercom system, Especially useful where AC outlets are not readily avalable. Complete system includes 1 Master unit, 1 Remote unit, and $70^{\prime}$ of interconnecting cable with molded plugs for easy installation. Master unit features On/OH/Volume control plus a Listen/Talk switch. "Beep" tone sig. naling from either Master or remote operates even when Master is "Off." Has simple provision for stationary wall mountling or can be conveniently placed on desk top. 9 -volt battery included. Size: $2 \mathrm{H} x$ $31 / 2 \mathrm{~W} \times 5^{\prime \prime} \mathrm{D}$. Shpg. wt., $13 / 4 \mathrm{lbs}$.
99 P 46245 2-Station System ........................................Net g.se 99 P 60212 Extra 9-Volt Battery

## Bogen Telephone Intercom Systems

 cable.

## 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 recelvers in the system. Two separale models are available-to handle up to 6 or 12 stations. Each phone is furnished with a snarl.proof $4 \cdot \mathrm{ft}$. handset coil, and a 6 -ft. master cable with junction box for simple and easy wiring. For desk or wall mountling. Phones are housed in impact resistant belge plastic. Each TQ system requires a PRS-1A Power Supply ( $117 \mathrm{VAC}, 60 \mathrm{cyc}$ e). Shpg. wt., $41 / 2 \mathrm{lbs}$. per unit
44 P 12045 TQ6A 6-Station Phone tess wire........Net ea, 29.05
Ta-12A 12-Station Phone less wire
44 P 12052 No Money Down*
Net ea, 33.40
PRS-1A Power Supply (1 req. per system). Shpg. wt., $2 \frac{1}{2}$ IDs.
44 P 12060
Net ea, 25.00
TAA Phone Page Adapter for Ta series-Allows paging through a PA system. Size: $4 W \times 40 \times 2^{\prime \prime} \mathrm{H}$. Shpg. wt., 2 lbs.
44 P 12334 No Money Down*
.Net 31.65

Bogen TSL Phones will permit you to reach other Individuals in their offices without depending upon an overburdened telephone switchboard. $100 \%$ trunkage permits as many as 8 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 . snarl-proof handset cord, and $6^{\prime}$ master cable with junction box. Phones are housed in impact-resistant belge plastic. One PRS. 16 Power Supply required to power each system. Shpg. wt., $33 / 4 \mathrm{lbs}$.
44 P 12011 TSL-8 station phone, less wire ..............Net 41.90 44 P 12029 TSL-16 16-station phone, less wire ......Net 49.60 PRS-16 Power Supply (1 req. per system). Shpg. wt., $23 / 4 \mathrm{ibs}$. 44 P 12037 No Money Down*

Net 41.55 TAC Phone Page Adapter for TSL Series Allows phone paging through a PA system. Size: $4 W \times 40 \times 2^{\prime \prime} \mathrm{H}$. Shpg. wt., 2 Hs.
44 P 12342 No Money Down*
Net 31.65

# NEW Deluxe LAFAYETTE Solid-State Intercoms LAFAYETTE IM-50 Multi-station Intercoms featuring Instant Plug-In Wiring 

3 SELECTIVE SYSTEMS CAN BE HOOKED-UP

1) Master-to-Master
2) Master-to-Remote
3) Intermixed Master and Remote

Lafayette's IM-50 Intercom System was especially designed for error-free plug-in Master-to-Master wiring. It is very simple to hookup an entire system. A 50 ft . multi-conductor cable with connectors on each end is used for hooking-up Master-to-Master units. Multiple 50 ft . lengths of cable can be interconnected to extend the distance of each Master-to-Master unit. Remotes are connected to a Master by using a separate 3 -conductor intercom cable (see listing below). The IM-50 system provides complete flexibility and versatillty with 3 separate types of instaltations. (1) MASTER-TO-MASTER HOOK-UP: All Master Intercom Systems incorporate up to 6 Separate master stations enabling 3 private conversations or 6 station conferences to be held. Master can initiate calls to any other Master (2) MASTER-10. REMOTE HOOK-UP: Enables 1 Master station to communicate with up to 5 remotes either separately or in a six station conference. (3) INTERMIX SYSTEM: Enables you to use up to 6 Masters and 30 Remotes. Each Master in a Master-to.Master system can also accommodate up to 5 remotes per Master. Each Master has Master and Remote indicator lights and a Call Button. Powerful solid-state circuitry for noise-free voice transmission. Size of each Master and Remote: $7 \times$ $51 / 2 \times 21 / 2^{\prime \prime}$ overall. For 117 VAC, 60 Hz . Imported.
99 P 46476 IM-50 Master Station. Shpg. wt., 3 lbs. Net 29.95 99 P 46484 Rl-5 Remote Station. Shpg. wt., 2 lbs. Net 12.95

## CABLE FOR IM-50 SYSTEM

50 ft . 7-Conductor Cable with plug-in connectors on each end for Master-to-Master hook-up. Shpg. wt., 2 lbs
99 P 46492
Net 9.95
100 ft . 3-Conductor Cable for Master-to-Remate hook-up.
32 P 14525 Shpg. wt., $21 / 4$ Ibs.
.Net 3.66


Plug-In Wiring For Instant Master-to-Master Hook-Up LAFAYETTE FM-50 3-Channel Wireless Intercom

## No Wires to Attach-Just

 Plug Into Any AC Outlet and Talk. Use as Many Stations as Required.- Ulitimate in Wireless Intercom Systems
- FM Circuitry Increases SensitivityGreatly Reduces Noise Interference
- Built-In Automatic Squelch
- Tone Call Alert Button

The FM- 50 was engineered for those who want the convenience of wireless operation but the sensitivity of a professional wired inter. com system. To assure background silence the FM-50 uses FM solidstate circuitry and employs a squelch circuit that prevents any audible output until an intercom signal is present. When transmitting, its high-power output and FM circuitry provides clear voice transmission without noise interference. Improved selectivity reduces adjacent channel interference. Up to 3 simultaneous but independent communications using separate channels can be accomplished. Channel frequencies are: " $A$ " -240 kHz , " $B$ " -200 kHz , and "C"- 160 kHz . Channel Separation 40 db . Solid-state circultry: 1 IC, 9 transistors, and 7 diodes. Press-to-Talk bar with "lock-talk" feature. Handsome high impact plastic case. Size overall: $7 \times 5 \frac{1}{2} \times 21 / 2$ ". For 117 VAC, 60 Hz . Imported. Shpg, wt., $31 / 2 \mathrm{lbs}$.


# LAFAYETTE Wireless Intercoms-Plug Into AC Outlets 

## NEW! Deluxe 3-Channel AM 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
- Built-In Squelch and AGC.
- Tone Call Alert Button

Our finest and most versatile 3 -channel AM wireless intercom. No whing to install. Just plug units into $A C$ outlets on the same electric lline between offices, rooms, and even between buildings. 3 -channel design permits up to 3 simultane. ous but independent communications using separate channels. Units operating on any one channel will not interfere with those operating on the others. Each unit is a master, so any number of stations can be connected to form a diverse wireless intercom system. Features a Call Button that sounds a pleasant tone to alert other units when a call is coming through on the particular channel in use. Circuit design includes built-in pre-set squelch for noise-free operation, and AGC to prevent overloading and provide high isolation between channels. Controls include Press-to-Talk bar with "lock-talk" feature for continuous monitoring, Volume, Channel Selector, and Call Button. Dependable fused transformer power supply with pilot IIght. Handsome high impact plastic case. Solid-state design with 5 transistors and 4 diodes. Size: $71 / \mathrm{BW} \times 51 / 2 \mathrm{D} \times 23 / 4{ }^{\prime \prime} \mathrm{H}$. For 117 $V A C, 60 \mathrm{~Hz}$. Shpg. wt., 3 lbs.
99 P 46500
Net ea. 2.6 .95

No Wires to AttachJust Plug Into Any AC Outlet and Talk. Use as Many Stations as Required.

## $26^{95}$

## Quality Solid-State Wireless Intercom System

- No Installation Required - Just Plug In and Talk


2-Stations For Only

## $28^{95}$

Solid-State 2 -station intercom system at an amazingly low, low price. Ideal for use in the home, office, factory, etc. - will connect any two places that are serviced by the same electric company power line transformer. No wiring required simply plug each unit into any AC outlet and start talking-4-transistor circuit means no warm-up time. Each unit is a "Master" with a Volume/On-Off control. Push-to-Talk Bar with a "lock-bar" feature for continuous talking, and a piiot light. 2-tone gray-colored plastic case has rubber-tipped base that wilt not scratch furniture. Overall size $61 / 2 \times 5 \times 21 / 2^{\prime \prime} \mathrm{H}$. For $110-120 \mathrm{~V} 60 \mathrm{~Hz}$. AC. Imported. Shpg. wt, $41 / 4 \mathrm{lbs}$.
99 P 45734 M 2-Station Intercom System .................Net 28.95 Extra Station. Imported. Shpg. Wt., $2 \frac{1 / 4}{}$ lbs. 99 P 45726

- 4 Transistors-No Warm-Up
- Plugs Into Any 117 V AC Outlet In Your Home
- Each Unit Is A "Master"-Use As Many As You Need


## "Mini" Solid-State Wireless Intercom System

## 2-Stations For Only <br> $21^{95}$

- Portable-Move From Room to Room or Between Houses-No wiring
- Push-to-Talk Button-Lock Button

A highly efficient wiretess intercom system that simply plugs into standard 110 V 60 Hz AC outlets. Your voice is transmitted thru this electric power line. Talk-Lock button for monitoring baby's room or long time talking. Solid-state circuitry for instant-on communication between any rooms in your home. Wide range speaker-microphone for fine tone quality. Operates on very low voltage for pennies a week. 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: $37 / 9 \mathrm{~W} \times 51 / 2 \mathrm{D} \times 13 / 4^{\prime \prime} \mathrm{H}$. Imported. For $110 \mathrm{VAC}, 60 \mathrm{~Hz}$. Wt., $21 / 2 \mathrm{lbs}$. 99 P 46278

Net 21.95


## Telephone Amplifiers, Telephones and Accessories

## DELUXE TELEPHONE AMPLIFIER WITH SEPARATE 3" SPEAKER

- Solid-State Circuitry
- No Warm-up, Instant Operation
- No Pick-ups to Connect

This deluxe amplifier is ideal for group conversations and conference calls with one telephone in the room. Easy to operate. Simply place the telephone on the amplifier, adjust the volume and everyone can listen through the separate matching speaker system, leaving both hands free for writing or typing. The solid-state amplifier is battery powered and features an inductive pick-up and Volume control. Separate $3^{\prime \prime}$ speaker. Im. ported. Size: Amplifier Section- $8 \mathrm{~W} \times 37 / 8 \mathrm{H} \times$ 37/日"D. Speaker section- $31 / 2 \mathrm{~W} \times 21 / 2 \mathrm{H} \times$ 41/9"D. Supplied with batteries. Wt., 2 Ibs. 44 P 19065 Net 12.95
" $A A$ " Batteries for Above (4 required).
99 P 62580 .......................Net ea. . 10

## "SNAP-ON" LAFAYETTE TELEPHONE AMPLIFIER AND TELEPHONE HEARING AID

- Ideal for Hard of Hearing
- Portable-Carry It in Your Pocket
- Solid-State Amplifier

Miniature portable, snap-on telephone amplifier because of its compact size can be carrled in a pocket or purse. Designed to fit any modern telephone. Just insert battery (supplied) into battery holder. Attach amplifier 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, $2^{\prime \prime}$ dynamic speaker. Size $2^{5} / 6^{\prime \prime \prime}$ round, $1^{\prime \prime}$ in depth. With battery and snaparound band. Imoorted.
Snpg. wt., $1 / 2 \mathrm{lb}$.
99 P 92082 $\qquad$ Net 7.35
Eveready E90 Replacement Alkaline Battery. 32 P 47541 Pkg. of 2 ...............Net . 79

DUAL PURPOSE TELEPHONE JACK-IN-A.PLUG

Only
 19


- Connects Two Phones to One Telephone Outlet Jack Telephone plug with built-in jack. Enables 2 phones to be connected from a single existing jack. No reduction of power. Meets phone company regulations. Imported.
44 P 19016 Shpg. wt., 6 oz. ....Net 1.19

INSTANT PHONE OUTLET

## 1 <br> 49

Converts your present square telephone junction box into a convenient telephone outlet without touching any wires or disturting your present phone. Imported. Shpg. wt., 402.
44 P 19057
Net 1.49


5-POSITION TELEPHONE CONFERENCE CALLER

## Only

## $49^{95}$

No Money Down*

- Enables Anyone Having a

Telephone with 2 or More
Trunk Lines to Arrange a Conference with 5 Outside Phones Save time. Arranges telephone conferences with 5 outside lines. Easy to install-mate and female connector provided with the device attaches to male and female connector of all phones having 2 or more trunk lines. Features include: 5 hold buttons, patch cord for plugging in a tape recorder, so that the entire conference can be recorded. Dimensions: $121 / 2 \times 31 / 4 \times 63 / 4$. Shpg. wt., 3 lbs.
44 P 69003
Net 49.95

## TELEPHONE WALL-PLATE OUTLET KIT



Complete telephone outlet kit with telephone jack, mounting bracket, and wall plate for standard outlet box. Flush mounted.
44 P 66007 Shpg, wt, 602. ......Net 1.49


TELEPHONE COILED CORD

AS LOW AS $1^{29}$

Extends to 5 feet, retracts to 10 inches. All four conductors are vinyl Insulated and terminate with metal spade lugs at each end. Imported. Shpg. wt., $3 \mathbf{o z}$.
99 P 46005
...............................
Net 1.39
As Above, But Only 3 Conductors. 99 P 46013

## WESTERN ELECTRIC SOUND POWERED HANDSETS

## As Low As <br> ${ }^{95}$

2-way communications for miles, No batteries required. Just conect phone clips to two conductor wire. Any number of handsets can be installed on one line. With retractable cord and alligator clips. Shpg. wt., $11 / 2$ lbs.
44 P 18034 ............................Net ea. 9.95 Set of two Handsets with 100 ft . of 2 Conduc. tor Inside-Outside Wire. Shpg. Wt., 4 lbs. 44 P 18042
DUAL TELEPHONE LISTENER 1


Snaps on to your phone instantly two persons can listen to any conversation on the same phone. Teenagers can use it for extra "Party-Line" fun. Imported.
44 P 27019 Shpg. wt., 1/2 1b. ..Net 1.99

## Telephones-New and Reconditioned for Home or Office

## AUTHENTIC LAFAYETTE REPRODUCTION OF A FRENCH CRADLE PHONE



An exquisite reproduction of the classic turn-of-the century French Cradie Phone. Adds a touch of continental charm to your homeyour phone will become a conversation plece. 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 coil, dial, horn, mouthpiece handset, 5 -ft, cord and plug. Finished in beautiful fivory with gold trim. Size: $81 / 2^{\prime 2} \mathrm{Lr} 81 / 2^{\prime \prime} \mathrm{W} \times 83 / 4^{\prime} \mathrm{H}$. Imported. Shpg. wt., $81 / 4 \mathrm{lbs}$.
99 P46450 No Money Down*
...Net 44.95
"BONNIE \& CLYDE" TELEPHONE


No Maney Down*

- 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 thirtles. Complete with dial, ringer induction coll, $41 / 2 \mathrm{ft}$. cord' $\&$ plug. Size: $12^{\prime \prime} \mathrm{H}$ Diameter of Base $6^{\circ}$. 44 P 24008
. Net 39.95 Deluxe All-Brass Bonnie \& Clyde Phone. Same as above, but all brass. 44 P 24016 ....................Net 49.95


## 30 TT. TELEPHONE EXTENSION CORD

$$
269
$$

- Ideal Extension Cord for Use with Phones Listed on This Page

Add fexibility 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. Wt., 3/4 lb. 99 P 45395

Net 2.18

## TELEPNONE PLUES AND JACKS

44 P 60036 Phone Plug (imported) 3 oz $\qquad$ ..Net . 58 44 P 60028 Phone Jack (Imported) 6 oz Net . 59 100 Feet ${ }^{2-C o n d u c t o r ~ T w i s t e d ~ p a i r-u n s h i e l d e d ~ t e l e p h o n e ~ w i r e . ~} 5$ oz. 32 P 13030

## $17^{95}$

With 5 H. Cord and Plug

## BRAND NEW!

Brand new, modern, standard size dial telephone that is ideal for use in your home or office. Can be added to your present system or can be used for private phone systems. Telephone comes complete with standard metropolitan dial, ringer, induction coil, and a 5 ft . cord with plug to tacilitate easy instaliation. Mandset has neat colled cord. Glossy, ebony finished base and handset. Slze: $53 / 4 \mathrm{Wx} 91 / 6 \mathrm{Dx5} \mathrm{H}$. 44 P 18083 Shpg. wt., $51 / 2$ Ibs.

Net 17.95
DIAL TELEPHONE


Popular type 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-up. Complete with handset, dial bell, induction coil and connecting cabie. General appeapence may vary slightly from catalog illustration.
44 P 18018 Shpg. wt., $5 \frac{1}{2} \mathrm{lbs}$.
.Net 9.95

## "PRINCESS-DUTCHESS" TYPE DIAL TELEPHOHE



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 built-in buzzer, metropolitan dial with numbers, ear piece, transmitter, and 6 ft . coiled cord with plug. Beautiful pearl white finish. $81 / 2 \mathrm{~L} \times 4 \mathrm{~W}$ x $43 / 2^{*}$ D. Imported. Shpg. wt., $33 / 4 \mathrm{lbs}$.
44 P 17010
Net 29.95

# Telephone Recorders and Automatic Dialers 

NEW! COMMAND-A-PHONE Telephone Answering and Recording Machine with Remote Playback

## You Can Call-In For Your <br> Messages From Anywhere In The World <br> g95

Never miss an important call again! 24 -hour manual or remote service. You can call in anytime from anywhere and receive an instant replay of your callers' messages by remote control with accessory tone oscillator (included). As many as thirty 30 -second or fifteen 60 -second messages are recorded on a $1^{\prime \prime}$ continuous loop computer tape. Reserve answering tape announces when recording tape is full. Outgoing messages are recorded (microphone included) on a 20 second tape cartridge (included). Unit can also automatically answer the phone while you are in your office and amplify the incoming message thru a built-in speaker. Can be used as a dictating machine. Size: $14 \times 101 / 2 \times 31 / 4^{\prime \prime}$. Imported. For 117 VAC, 60 Hz . Wt., 20 lbs. 27 P 39027WX No Money Down* .....................Net 549.95 Model AR-747 Telephone Answering and Recording Machine. Same as above but without call-in feature. Shpg. wt., 20 lbs. 27 P 39001wx No Money Down* .....................Net 349.95 Extra 20.Second Outgoing Message Tape. Shpg. wt., 6 oz. 27 P 39019

Net

- Direct Connection to Phone Line

$$
111111111
$$

$\mathrm{L}=2 \mathrm{am}$
With Remote Control Tone Oscillator, Microphone, and 20-Second Outgoing Message Tape

## DELUXE CROWN OF JAPAN CTA-4450 TELEPHONE ANSWERING AND RECORDING MACHINE

- Direct In-Line Coupling Facilities
- 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

Crown's finest telephone answering and recording machine. Completely self-contained with built-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 cradle (included). Incoming Messages are recorded on 60 or 90 minute cassette 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 tape (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 with instant reset button. Size: $15 \% / 4 \mathrm{~W} \times 110 \times 4 \frac{5}{96} \mathrm{H}$. For 117 VAC 60 Hz . Imported. Shpg. wt., 18 ibs.
27 P 72184 W No Money Down* $\qquad$ ..Net 249.95
27 P 72192 Extra 23 sec. outgoing Message Tapes ..ea. 4.95 Accessory Cassette Recording Tapes
28 P 01223 Lafayette 60 Min . Cassette. Imported ......Net 1.19 28 P 01207 Lafayette 90 Min. Cassette. Imported .......Net 1.99

## CROWN OF JAPAN CAD. 8 AUTOMATIC SOLID-STATE TELEPHONE DIALER

## NEW LOW PRICE

 $99^{58}$- Solid-State Circuitry
- Built-in Telephone

Amplifier For Incoming Calls


- Automatically Dials up to 26 numbers

A solld state automatic telephone dialing system using regular telephone sockets 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 famlly messages, a filp 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 "x5" $\times 16^{\prime \prime}$. For 110 VAC 60 Hz . Imported. Shpg. wt., $111 / 2 \mathrm{ibs}$.
44 P 41002 W No Money Down*
Net 99.95
 and 23 second outgoing Message Tape
CROWN OF JAPAN 4100 TELEPHONE ANSWERING AND RECORDING MACHINE


Optional RC-4 Direct Line Adapter - 19.95

Use with phone cradle (included) or can be plugged directly Into phone line using optional RC-4 Direct Line Adapter. Answers phone callers with up to 60 second prerecorded message. Incoming phone cails 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 built-in mike. For 110VAC, 60 Hz . Imported. Shpg. wt., $103 / 4 \mathrm{lbs}$
27 P $72143 W$
Net 94.95
27 P 72150 Model RC-4 In-Line Adapter. Wt. $3 / 4$ Ib. .. Net 19.95 27 P 72101 1-Minute Message Tape For 4100 .........Net 4.95 Lafayette RK-65 Cassette Tape Recorder for incoming calis. Imported. 99 P 15828 L Shpg. wt., 4 Ibs. .............................................. 19.95

# Microphone Stands - Booms - Connectors aTLAS MICROPHONE STANDS AND BOOMS 

Model MS-10C Full Grip Mike Stand, Economical mike stand featuring "Fuil-Grip" clutch mechanism for fast quiet adjustments wlthout slipping and wear. functlonally designed base assures maximum stability and includes self-leveling, shock-absorbing pads plus 3 "anti-tip" points. Full chrome plated tube assembly. Terminates in a "fs"-27 thread. Base dia. $\mathbf{1 0}^{\prime \prime}$, finished in gray shrivel. Height adj., 35 to $63^{\prime \prime}$. Shpg. wt., $103 / 4 \mathrm{lbs}$.
44 P 10031 W
Net 8.91
Model MS-12C. As above but heavier and tube extends to $\mathbf{6 2 \prime}$.
44 P 10049 Shpg. wt., 61/a lbs. Net
Model MS-11C. As above but with full chrome finished base.
44 P 10056 Shpg. wt., 10 lbs.
Net 11.58
MODEL CS-52. Handsome, slim, low profile $15^{\prime \prime}$ gray base with chrome lube. Height adjusts from 34 to $62^{\prime \prime}$. Shpg. wi.. 10 lbs. 44 P 10312

Net 10.62 Model MS-12S "Steeve-Action" Mike Stand. New mike stand featuring a fully automatic means of height adjustment. To lower the stand, just press on the "Sleeve Action" control. To ralse 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. S/a"-27 thread.
44 i 10064 shpg, wt., $91 / 4 \mathrm{lbs}$.
Net 19.20
Model CS-32 Demountable Stand, Revolutionary in design, this mike stand is fully collapsible to fit in amplifier or speaker-carrying case. No tools needed. Self-leveling legs are skid-proof. Features "FullGrip" and "Velvet Action." Adjustable from 36 to 64 in. Fully chrome plated. 5/9"-27 thread. Shipg. Wt. $51 / 4$ lbs.
44 P 10072
Net 11.01
Model CS-33. As above but with ht. adj. of $26-64^{\prime \prime}$. Collapses to $2242^{\prime \prime}$. Shpg. wt., $43 / 4 \mathrm{lbs}$.
44 P 10080
Net 12.98

MS.25-Profassional stand, featuring "Safety Air Lock Cushion." Prevents accidental slippage of telescoping section, smoothly towers on cushion of air. Grey and chrome base. 1 t . adj. From $38^{\circ}$ to $67^{\prime \prime}$ Oversize chrome tubing with $5 / a^{\prime \prime}-27$ adapter. Shpg. wt.. $281 / 4$ lbs. 44 P 10288

Net 24.00 DS.14-Contemporary motif desh stand. Sults elongated, slim mikes. Gun metal, shrivel base with protective felt paos. $3^{\prime \prime}$ polished chrome upright tube with $5 /{ }^{\prime} "-27$ thread. Shpg. wt., $13 / 4$ Ibs.

## 44 P 10296

Model DS-5. "Velvet Action" Desk Stand. Same quality as floor models. Base dia. $6^{\prime \prime}$. Gun metal sbrivel finish. Fired ht. $4^{\prime \prime}$. 44 P 10098 Shpg. wt., 23/4 Ibs.

Net 2.99 Model DS-7. Like DS-5 but with ht. adj. 8 to 13". Shpg. wt., 3 lbs. 44 P 10106

Net 4.92
Model TS-8. Adjustable Stand. A decorative and fine appearing stand suitable for use on a banquel table. Features quiel "Full Grip. Velvet Action" control. Adjustable from $141 / 2^{\prime \prime}$ to $26^{\prime \prime}$. Base diameter $8^{\prime \prime}$ Fully chrome-finished base and tube assembly. Shpg. wt. $5 \%$ lbs. 44 P 10114 Net 9.15 Madel BS-36. Professional boom stand. Has removable $62^{\prime \prime}$ boom with gyromatic swivel ioint to keep mike positioned. "Safety Air-Lock Cushion" eliminates slippage. Super-chromed tubes adjust $48^{\circ}$ to 72" Chrome and gun metal base. Shpg. wt., 36 lbs.
44 P 10122 W No Money Down*
Net 59.85
Model BS.36W. Same as above but with swivel casters. Wt. 38 lbs . 44 P 10338w No Money Down* .........................Net 67.80 Model BB-1. "gaby Boom" Attachment. Use with any mike stand. 32" long. 5 a'"-27 thread. Chrome plated. All swivel parts are precision dile castings. Shpg. wt., $41 / 4 \mathrm{lbs}$.
44 P 10130


## Mike-Stand Carrying Case

A rugged vinyl carrying case that permits easy transportation of assembled microphone stand and baby boom. Includes external grip. per snap-pocket for microphones, cables, and accessories, as well as 33 -inch zipper. Packs away neatly for transport. Shpg. wi., 2 lbs. 44 P 10452

Mik Franges And Extension Rods. For neat and permanent mounting. Fits $5 / 8{ }^{8} "-27$ mikes. Base dia., $11 / 4 "$. Extension rods, male on both ends. Av. shpg. wt., 8 ors. 44 P 10155 AD-12 Male Flange …...........Net .92 44 P 10163 AD-11 Female Fiange ..............Net . 90 44 P 10171 AD- $86^{\prime \prime}$ Ext, Rod ..................Net .83 Mike Adapters. For adapting special fittings. Wt., 10 oz. AD-1 $5 / a^{\prime \prime}-27$ female to $1 / 2^{\prime \prime}$ male thread (ACA) 44 P 10189
44 P 10189 (1)
A0.2 $1 / 0^{\prime \prime}$ female pipe to $5 /$ / $^{*}-27$ male 44 P 10197

Net .83
$A D-43 / 4$ " long 5 " "- 27 male running thread
44 P 10213
Net 62

AD. $55 / \mathbf{g}^{\prime \prime} .27$ female to $5,6^{\prime \prime} .27$ female coupling
44 P 10221 ........................................................... 68 Model SW- 1 cyromatic swlvel. Permits any mike to be locked at any angle. $5 / \mathbf{s}^{\prime \prime}-27$ thread. $41 / 2^{\prime \prime}$ long. 44 P 10247

Net 4.47 Model 50.1 "Snam.On" Mil Attachment Quick and safe For all mikes and stands. Two "Snap-On" sections 44 P 10254

Net 2.68 Model 10.2 "tock-0n" for quick disconnect of mike from stand. Positive lock when on stand, pushbutton release. 44 P 10023

Net 3.15 Model C0.1. Connect.on $360^{\circ}$ swivel attachment Mounts instrament or second microphone to mike floor stand or to table or desk top. Shpg. wt., 80 oz. 44 P10437
.Net 3.51
TM-1
3

# ElectroZoricsPopular Microphones 

## 664 "VARIABLE D" CARDIOID DYNAMIC

A cardioid "Variable D" (variable distance) microphone designed for top quality PA applications. Cardioid pattern provides a sig niflcant front-to-back signal ratio to suppress noise, reverberations and feedback. Allows close taking without booming bass, air blasts or distortion. Non-metallic dlaphragm is shielded against dust and magnetic particles. Resistant to extreme 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 $58^{\prime \prime}$. 27 thread. Satin chrome finish die-cast case, with ON-OFF switch and 15 ft . 2 conductor shlelded cable. $17 / \mathbf{B}^{\prime \prime}$ dia. $71 / 4^{\prime \prime}$ long. Shpg. wt., $31 / 4 \mathrm{lbs}$. 44 P 25328 No Money Down* Net 57.00 664G-Same as above but gold finish. 44P 25336 No Money Down* Net 61.20 664A-Same as above but non-reflecting gray flnish.
44 P 25351 No Money Down* Net 57.00

## 644 "SOUND SPOT" UNI-DIRECTIONAL <br> LINE MICROPHONE

A combination cardiaid and distributed front opening makes this the most directional. microphone ever. Has better than 2.5 times the working distance of pressure types. Cancellation from the rear and sides exceed 20 db giving virtually complete rejection of unwanted sound. High reduction of wind noise and low sensitivity to shock. Smooth response from 40 to 10.000 Hz , high output53 db .. dual high and low impedance selective. Rear diameter 2 Ko" $_{\text {", length }} 16^{\prime \prime}$. Cabie is 16 ft . Shpg wt., $31 / 4$ lbs.
44 P 25475 No Money Down* Net 78.15

## E-V OMNIDIRECTIONAL MICROPHONES



631A HAND AND STAND DYNAMIC
High quality entertainer's microphone. Omnidirectional, Lightweight, rugged, shockproof. Effective 4 -stage filter allows closeup use without blasting, pops, or distortion. Silent magnetic on-off switch with removabie actuator buttor. Equipped with professional A3M connector. Satin chrome case. Frequency Response: $80 \cdot 13,000 \mathrm{~Hz}$. Output: $-55 \mathrm{db}, 16$ ft. cable. With stand clamp. Size: $6^{\circ} \mathrm{L} x$ $13 /{ }^{\prime \prime}$ head dia., $3 / \mathbf{c k}^{\prime \prime}$ shank dia. Shpg wi., 2 lbs. No Money Down*.
44 P 25781 Hi Impedance .... Net 38.70 44 P 25799 Lo Impedance .... Net 38.70 647A LAVALIER DYNAMIC
Tiny size with big performance $70-10,000$ Hz . High impedance. Output level, -60 db . 18 ft . cable. Complete with neck cord. Size: $314^{\prime \prime} \times 3 / 4^{\prime \prime}$ Dia. Shpg. wt. $11 / 2$ Ibs.
44 P 25195 No Money Down* Net 57.90

## 676 CONTINUOUSLY "VARIABLE-D" CARDIOID DYNAMIC

Radically new design brings professional quality to public address, recording, communications and other general purpose applications. Continuously "variable-0" principle assures uniform, symmetrical cardioid pattern at all frequencles. Response 60 to $15,000 \mathrm{~Hz}$. Highest discrimination against feedback and unwanted sound. Exclusive 3 position switch offers controlled low-frequency attenuation to overcome rumble and feedback when microphone is used at a distance. Slim design-full view of speaker. Use hand-held or with stand clamp suppiled. Rugged diecast case. Acoustalloy diaphragm. 150 ohms or $\mathrm{Hi}-2$; impedance changed by new connector (no tools required). Output - 57 db. Satin chrome finish. $16^{\circ}$ cable. Size: $733^{\prime \prime}$ long, $x 11 / 4^{\prime \prime}$ dia. Shpg, wt., $21 / 2$ lbs.
44 P 25229 No Maney Down* Net 61.35

## 674 CONTINUOUSLY"VARIABLE D (3) CARDIOIO MICROPHONE

This professional microphone has the exact specifications 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 adapter. Shpg. wt., $21 / 4$ lbs.
44 P 25724 No Money Down* Net 61.35
TYPE 502 B MATCHING

Matches 150 ohm to hi $Z$ amplifier. Input $30-20,000 \mathrm{~Hz} \pm 1 \mathrm{db}$. Slize $3^{23} /{ }_{32} \times 1^{\prime \prime}$ dia. Shpg. wt.. $1 / 4 \mathrm{lb}$.

## 44 P 25666 <br> Net 11.25

## SHURE MICROPHONE ACCESSORIES

## LINE TRANSFORMERS ;

For connecting low impedance mikes to high impedance amplifiers. Preserves high frequencies and cuts hum pickup in long lines. Built-in MC1F and male Cannon type connectors. Type A95A.
44 P 75414 Shpg. wt., 14 oz. Net 12.60 Model Ag5F Transformer. Same as Model A95A except input is female Cannon type. 44 P 76099 Shpg. wt., 9 oz. Net 14.40 Type A95P Same as above but with phone plug output.
44 P 75968 Shpg, wt., 11 oz . Net 13.80 Model Ag5FP Transformer. Same as Model A95P above except input is female cannon type.
44 P 76107 Shpg. wt., 10 oz. Net 15.60


## ISOLATION MOUNT

Provides maximum isolation from mechanical vibrations (over 20 db ) when used on floor stands, desk stands, conference tables, and lecture podiums. For Shure Models 545, 548, Shure Models 545 , 548 ,
565 and other microphones not having switches mounted in the handle. Swivel tocks in tilted positions. Fits standard $5 / 6^{* \prime} \times 27$ thread. Shpg. wt., $11 / 4$ tbs. 44 • 76172

627 ENTERTAINER'S DYNAMIC
"Single.D" cardioid microphone Ideal for vo. calists and other close to mouth appilcations. Low frequency response is accentuated as working distance is reduced. Equipped with professional A3M connector. Lightweight ( 8 oz.) rugged construction with bullt-in pop and dust filter. Response: $60-13,000 \mathrm{~Hz}$. Output: -58 db . High impedance. With 15 ft . cable and stand adapter. Size: $6^{\prime \prime}$ long x $11 / 2^{\prime \prime}$ head dia. Shpg. wt., 2 lbs .
44 P 25807 No Monev Down* Net 38.70
G35A BROADCAST OYNAMIC A popular design mlcrophone. Omnl-directional pick up pattern periect for use by entertainers and vocalists. For desk or floor stand or hand held use. The rugged steel case is finished in fawn beige matte, lightweight. slim and attractively styled. 4.stage pop and dust filter eliminates need for external wind screen. Response: $80-13,000 \mathrm{~Hz}$ (rising), output - 55 db . Iow impedance. Supplied with $18^{\prime} 2$ cond. cable. Convenient microphone size: $6^{\prime \prime}$ long $\times 176^{\prime \prime}$ diameter at head. Shpg wt., 3 lbs.
44 P 25591 No Money Down* Net 56.70


- Built-in 2 Transistor Preamp.
- Variable Output Level

Provides optimum performance for CB and other types of communications equipment including $A M, F M$, and single side-band. Built-in 2 transistor preamp increases signal strength. Controlled magnetic type with response of $200-6000 \mathrm{~Hz}$. Semi-directional. sponse of $200-6000 \mathrm{~Hz}$. Semi-directional.
Output level variable from 2 to 45 mv . Press-to-talk control bar for locking or non-locking operation. Height adjustable from $9 \%_{6}^{\prime \prime}$ to $111 / \mathrm{rc}^{\prime \prime}$. Base $51 / 16^{\prime \prime} \times 4^{\prime \prime}$. Four ft coiled cable. Battery Supplied. Shpg. wt., 23/4 105 . 44 P 75604 No Money Down* Net 33.60 99 P 60212 Replacement battery ... Net . 31

## MODEL 575S "VERSADYNE"

Smooth response from 40.15,000 Hz-rug. ged, Omnidirectional dynamic cartridge. High or low impedance models. Complete with switch, stand adapter and lavalier cord. For use in hand, on stand, or used as lavalier. Single cond. 7 ft . shielded cable. $41 / 4^{4 \prime} \lg . x$ $11 / 4^{\prime \prime}$ dia. Wt., 1 lb. High impedance model. 44 P 75174 Less stand

Net 16.50
MODEL 57558 "VERSADYNE." Similar to above, but impedance: $150-250$ ohms.
44 P 75182
Net 15.00
TYPE \$38B DESK STAND, Round black base for models 575S and 575 SB above.
44 P 75208 Shpg. w $t_{-1} 11 / 4 \mathrm{lbs}$... Net 3.00



## SHURE 545SD "UNIDYNE III"

Slender dynamle unit with completely symmetrical unidirectional pattern. Performs in difficult applications without feedback and sound boom. Acclalmed for lits natural reproduction of human voice. Features a new built-in long life magnetic reed "on-off" switch. 50 to $15,000 \mathrm{~Hz}$. Dual impedance. Outputs: $50-250$ ohms. $-57 \mathrm{db} ;$ Hi.Z. -55 db. Chrome, black, swivel adapter, 15 H . 3 -cond. cable with professional three-pin audio connectors at microphone end of cable. $51 \mathrm{~K}_{6}{ }^{7} \times 134^{\prime \prime} \mathrm{dia}$. Shpg. wt., $21 / \mathrm{l}^{2} \mathrm{lbs}$.
44 P 75984 No Money Down* Net 61.20
Model 545. As above, but, without "on-off" switch. Amphenol type connectors.
44 P 75059 No Maney Down* Net 57.60
Módel 545L. SImilar to Model 545 above, but designed for high quality lavalier applications and can also be used as gooseneck mounted or hand held. Low impedance only, $20-\mathrm{ft}$. non-detachable cable. Shpg. wt., 2 lbs . 20 -ft. non-detachable cable. Shpp. Wt. 2 lbs.
44 P 76180 No Money Down Net 48.00
Model 545S. As above, but with swivel mount contained "on-off" switch
44 P 75042 No Money Down*Net 61.20
MODEL $5455 \mathrm{D}-\mathrm{CN}$. Same as 545SD but with a prewired male connector on the amplifier end of $20^{\circ}$ cable.
44 P 76123 No Money Down* Net 64.20

## "UNIDYNE IV"

MODEL 54ASD. This member of the Unidyne family of feedback-free unidirectional dynamic microphones offers remarkable rug. gedness 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 filters: professional 3-pln audio connector; high flexibility cable, etc. Frequency: $40-15,000$ Hz . Dual (high and low) impedance with output of -55.5 db . swivel adapter chrome and black case. $15^{\circ} 2$-conductor detachable cable.

44 P 75992 Shpg. wt., 234 lbs. ..Net 72.00 MODEL 548. Same as above but less "onoff" switch.
44 P 75653 No Money Down* Net 69.00 MODEL 548S. Same as above but with swivel mount contained "on-off" switch.
44 P 75646 No Money Down* Net 72.00 MDDEL 548SD-CN. Same as 5485D but with a prewired male connector on the amplifier end of $20^{\circ}$ cable.
44 P 76131 No Money Down* Net 75.00

## "UNISPHERE I"

MODEL 565sb. Deluxe ball-type pop-proof unidirectional dynamic microphone, Features new long life magnetic reed "on-off" switch incorporated into the case, dual Impedance; low imp. ( $50-250$ ) ohms output -57 db , high Imp. -55 db . Response; $50-15,000 \mathrm{~Hz}$. With swivel adapter and 15 ft .3 cond. de tachable cable, with professional 3 -pin audio type connector. Size: $615_{2} " L \times 2^{\prime \prime} \mathrm{D}$. Shpg. wt., 3 Ibs. 44 P 76008 No Money Down* Net 67.80 MODEL 565, Same as above but without "onoff" switch. Amphenol type connectors.
44 P 75547 No Money Down* Net 64.80 MODEL 565 s . Same as above but with swivel mount contalned "on-off" swifth.
44 P 75620 No Money Down- Net 67.80 MOOLL $56550 . \mathrm{CN}$. Same as 565 SD but with a $20^{\circ}$ cable terminating in male connector. 44 P 76149 No Money Down* Net 70.80

## "UNISPHERE B"

MODEL 58asA. A dynamic unidrectional microphone with popular ball-type stylling. Feafures feedback-free cardloid pickup pattern, shock-mounted cartridge, wind, pop and blast filters, lockable "On-Off"' swittch and a professional 3 -pin audio connector with $\mathbf{1 5}^{\circ}$ detachable cable. Includes swivel stand adapter. Response: $50.13,000 \mathrm{~Hz}$. High imp. Output: -58 db . Satin chrome. $61 / 2 \times 2^{\prime \prime}$ dia. 44 P 75893 shpg. wt., 2 lbs . Net 39.00 model $5835 A C$. Same as above but with prewired plug end assembly for use as MC1F, MC1M, or phone plug.
44 P 75885 No Money Down* Net 40.20 MODEL 5885B. Same as 588 SA above, but low Impedance. Output: -59.5 db . 15 ' twoconductor cable.
44 P 75901 No Money Down* Net 39.00 MODEL 58858.cN. Same as 588S8 but with a $20^{\circ}$ cable terminating in male connector. 44 P 76156 No Money Down* Net 42.00

## "SPHER-O-DYNE"

MODEL 533SA. Omnidirectional dynamic probe type. Ideal for entertalners, lecturers. Spherical front with bultt-in wind, breath and "pop" filter $40.11,000 \mathrm{~Hz}$. High impedance. Output - 55 db . On off switch, swivel stand adapter and 15 ft . single conductor cable. Chrome case. $61 \%^{\prime \prime} \times 2 \%{ }^{\prime \prime}$ dia. 2 lbs.
44 P 75554 No Money Down* Net 3420 MOOEL 533SAC. Same but with prewired plug assembly which can be used as MCIF, MCIM or phone plug.
44 P 75711 No Money Down* Net 35.40

## 55SW "UNIDYNE II"

A dependable rugged dynamic microphone for deluxe sound systems 50 to $15,000 \mathrm{~Hz}$ response. Unidirectional plckup prevents feedback. Three-way impedance switch. Output levels: $35-50$ ohms. -55 db ; 150.250 ohms, $56 \mathrm{db} ; \mathrm{hi}-\mathrm{Z},-55 \mathrm{db}$. Complefe with on-iff switch, swivel mount. 15 ft ., cable. $77 / 8 \times 2 \%_{0} \times 31 / 0^{\circ}$. Wt. $33 / 4$ lbs.
44 P 75018 No Money Down* Net 58.80 MODEL 55S. Same as above, without on-off switch. Shpg. wt., $33 / 4 \mathrm{lbs}$.
44 P 75026 No Money Down* Net 57.00

## "UNISPHERE A"

MODEL 5855 A. Rugged dynamic unidrec. tional "pop"-proof unlt with wire-mesh spherical screen. Feedback Iree. Response $50-13.000 \mathrm{~Hz}$. High impedance. Output - 57 db. Chrome and black case. Has on-off switch, adjustable swivel stand adapter and 15 ft . single conductor shielded cable. Size: $63 / 4 \times 11 \mathrm{H}_{4}$ dilam. 2 lbs .
44 P 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 plug. 44 P 75687 No Money Down* Net 46.20 MODEL 585SB. Same as 585SA except low impedance, output - 59 db and 2 conductor cable.
44 P 75539 No Money Down* Net 45.00
MODEL 585SAY. SImilar to 585SA but Instead of on-off switch has built-in volume control to change loudness without adjusting ampli. fier controis, Shpg. wt., 2 lbs.
44 P. 75612 . No Money Down" Net 49.80

## "VOCAL SPHERE"

MODEL 5795B. Omnidirectional dynamic mic. rophone with natural and intelliglble volce reproduction. Ideal choice for public-address, entertaining, recording, etc. Extremely rug. ged. Has built-in wind and breath noise filters. Lockable "On-off" switch and a broadcast-type. Cannon connector with $20^{\circ}$ two conductor detachable cable. Includes swivel stand adapter. $50-15,000 \mathrm{~Hz}$ fre. quency response, Low impedance. Output: -59 db. Satin chrome and gray houslng $6 \% \times 1 \% A^{\prime \prime}$ diameter.
44 P 75919 Wt., 2 lbs.
Net 45.00

## "UNIDYNE B"

MODEL 515SA. Very low priced unldirectional dynamic microphone with a highly effective cardioid pickup pattern which solves feedback and boominess. Ideal for low budget sound systems. Frequency: $80-13,000 \mathrm{~Hz}$. High impedance with output of - 58 db . Has on-off switch and swivel adapter, 15 ft . single conductor non-detachable cable. Chrome and black case. Size: $11 / 20 \times 6 \% 101$. 44 P 7565 ! Shpg. wt., 2 lbs..... Net 27.00 MDDEL S15SAC. Same but with prewired plug-end assembly for use as MC1F, MC1M, or phone plug.
44 P 75950
Net 28.20
MODEL 515SB-G18. 18" gooseneck mounted low impedance version of Model 515SA. Ideal for language lab, paging and base station. Features a bulftin "on-off" push-to-talk switch which controls microphone and relay circult. $51^{\prime \prime}$ cable. Size: $11 / 2 \times$ $25^{\prime \prime}$. Shgg. Wt. $23 / 4 \mathrm{lbs}$.
44 P 76016 No Money Down Net 31.80

## SWIVEL ADAPTER

$3^{30}$
MODEL A25B SWIVEL ADAPTER. For Shure models $515,545,548$. 565,580 , and 588 microphones. For use with standard desk or floor stands. Shpg, wt., 8 oz. floor stands. Shpg. wt., 8 oz.
44 P 76164

# Turner Microphones 


"M+2/U" MOBILE MIKE increases signal strength and range. Frequency $300-3000 \mathrm{~Hz}$. Preamp has volume control on rear to adjust modulation for best performance. Complete with battery, dash bracket and 5 ft . coiled cord. For sets with relay switching. 44 P 70183 Shpg. wt., $11 / 2$ Ibs. Net 30.00 Same for electronic switching.
44 P 70191 No Money Down*.... Net 30.00 Replacement 7V. mercury battery for above 32 P 47699

Net $1.50^{\circ}$
MODEL M + 3 MOBILE


## MICROPHONE

- Transistorized Mobile Microphone with Volume Control and Modu-Gard

Transistorized mobile microphone with a compression amplifier circult which permits full modulation and guard against overmodulation. Slide-action control permits volume adjustment for up to 20 db . gain. Ceramic interior with frequency response of 300 $4,000 \mathrm{~Hz}$. peaked SSB (rising characteristics). Blue and white case with attractive blue coiled (three conductor, one shielded) card. Comes with 7 V battery and instructions. Shpg. wt., 1 lb .
44 P 70357 No Money Down*.....Net 33.00 Same as above for electronic switching. 44 P 70365 Shpg. wt., 1 lb.........Net 33.00 Replacement 7V mercury battery. 32 P 47699 Shpg. wt., 1 oz. ....Net 1.50


## MODEL NC350C

A new noise cancelling ceramic mobile microphone with all the most desired professional features. Peaked for SSB response from 200 to $4,000 \mathrm{~Hz}$. to really cut through ths QRM. Recommended by experts for today's new AM/SSB transceivers. The noise cancelling feature really cuts down on mobile back. ground noise caused by passing or on-coming traffic, truck engine roar. etc. Professional alt black case with soft rubber lip guard and neoprene colled cord. Shpg. wt., 1 lb. 44 P 70373

MODEL 254C
Attractive ceramic microphone with DPDT push-to-talk switch plus tock switch for fixed station operation-either relay or electronic switching. 7 foot 3 conductor (one shielded) straight cable. Response 80.7000 Hz . Output level -54 db . Gray hemmertone finish with chrome trim. $73 / 4 \times 31 / 6 \times 51 / 4^{\prime \prime}$ base.
44 P 10035 Shpg. wt., $21 / 2$ los. Net 21.00

MODEL "+ 2"
BASE STATION MICROPHONE

- Built-in 2-transistor preamp

'+2" BASE STATION MIKE increases signal strength and range! frequency response of $300-3500 \mathrm{~Hz}$. Push-to-talk bar with locking switch permits normal PTI operation or VOX. Works with all sets-Relay or Electronic switching! 3 conductor, 1 shield blue coiled cord. Finished in blue and chrome. Output impedance 5000 ohms. Battery included. 44 P 70167 Shpg. wt., $2^{3 / 4}$ Ibs. Net 36.00 Replacement 9 V long life battery for above. 99 P 63729

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 control plus a new compression ampliffer circuit which allows 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 switching with slide lock when desired. Wiring instructions for over 100 popular transceivers. Shpg. wt. 4 lbs.
44 P 70316 No Money Down* Net 45.00 Replacement 9 V . long life battery for above. 99 P 63729

Net .49

## NEW! AM/SSB SIDEKICK 100

- Specifically Designed for Solid-State Transceivers
- Built-in Amplifier Boosts Gain Up to 40 db

Solid-state amplified, base type dynamic microphone designed for solid-state AM or AM/SSB transceivers. Impedance matched specifically to transistorized units for optimum output. Integrated circuit amplifier, with adjustable volume control permits up to 40 db . gain for cutting through hash and noise. Dynamic cartridge is unaffected by temperature and humidity. Frequency response, $300-3500 \mathrm{~Hz}$. Adapts to either relay or electronic switching. Output revel: - 50 db below 1 v per dyne $/ \mathrm{sq}$. cm. into a 100 ohm or more load. Output impedance: 100 ohms. Rugged black diecast base with polished chrome face. Push-to-talk switch can be locked "on". 3 conductor cable. Shpg. wt., 4 lbs.
44 P 70399
.Net 45.00
Replacement long life 9 V battery.
99 P 63729 ................................Net . 49
No Money Down*


MODEL 350C
Ideal for CB use. A rugged push-to-talk ceramic microphone wired for relay operation. Extra-fough polystyrene case; hanger button and standard dash bracket are included. Also neoprene coiled cord. 11 Inch retracted, 5 - ft . extended. Output, - 54 db . Response $80-7000 \mathrm{~Hz}$. Dark grey finish.
44 P 70027 Shpg. vit. 1 1/4 IDs. Net 10.80
MODEL 454C
Single side band ceramic mike that is Ideal for hams. Gustput level of - 52 db . Frequency response $300-3000 \mathrm{~Hz}$. Push-to-talk front bar plus locking switch gives choice of PTI or continuous vox operation. For electronic or relay switching. Complete with colled cord that extends to 5 ft . Size $73 / 4 \mathrm{Hx} 51 / 4^{\prime \prime}$ deep. 44 P 70019 Shpg. wt., 21/2 lbs. Net 24.00

## REPLACEMENT CARTRIOGES

Ceramic for " +2 " and 360
44 P 70324 Shpg. wt., 3 oz. ... Net 6.00 Ceramic for " $\mathrm{M}+2 / \mathrm{U}$ " and " $\mathrm{J} \mathrm{M}+2 \mathrm{U}$ " 44 P 70332 Shpg. wt., $4 \mathrm{Oz} . . .$. Net 6.00 Ceramic for $254 \mathrm{C}, 350 \mathrm{C}$, etc. 44 P 70092 Shpg. wit., 40

Net 6.00

## MODEL 766 BALLADIER MUSICIAN'S CARDIOID DYNAMIC

A ball screen styled cardioid dynamic microphone designed specifically to reproduce the high volume sound of today's musical groups. Excellent cardioid performance accommodates high levels without feedback. A high impedance microphone with $\$ 0 \cdot 15.000 \mathrm{~Hz}$ frequency range. Has on-off switch; built-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. Pack. aged in individual carrying case. Shpg. wt., 3 lbs.
44 P 70381 No Money Down* Net 45.00 MODEL 866 CAROIOIO DYNAMIC
Cardioid dynamic type; high impedance. An excellent sounding mike for music and home recording. Minimum feedback. Response 100 $13,000 \mathrm{~Hz}, 20 \mathrm{ft}$. cable and plug. With carrying case. Shpr. Wt., $2 / 2 \mathrm{lbs}$.
44 P 70290


## [A] DYNAMIC CB MICROPHONE

- For Use With Low Impedance Solid State Transceivers Super efficient low impecance dynamic microphone. Housed in attractive, protes. sionally styied, gray and black, high.Impact plastic case. Filts snugly in palm of hand. Top-performing coited cord consists of 3 conductors plus shield and terminates in 4 prong miniature plug. Wired for retay switthing. Mates directly with mierophone input chassis socket of Lafayette HB-500, HB-500A. HB-555, HB-525, HB-525A. HB. 5258 , HB-525C, HB-625, HB-23, HE-207, HE-20D, HA-450T, HB-600. and Teisat 23. Size: $35,6 \times 23 / 9 \times 11_{4}^{\prime \prime}$. Imported.
99 P 46107 Shpg. wt., 3/4 lb. ....Net 7.95


## [B] NOISE CANCELIING CB MIKE

A high output ( -48 db ) low noise cardioid pattern PIT ceramic mike excellent for mobile and base applications. Minimizes nolse pickup from rear to avoid interterence with audio input. Rugged, high-impact Cycolac dark grey case with 3 conductors fone conductor shielded) coiled cord. Fits comfortably in palm of your hand. Frequency response $300 \cdot 3000 \mathrm{~Hz}$. For use with tubetype CB equipment. With hang-up clip. tess plug. Shipg. wt., $3 / 4 \mathrm{lb}$.
44 P 45011
Net 7.69
Miniature Microphone Plug. For connection to Comstat $19,23,25,25 \mathrm{~A}, 25 \mathrm{~B}, \mathrm{HB}-444, \mathrm{~A}$, and Comstat 23 Mark v. Mark vi. Imported. 99 P 62630

## Net 1.59

MICROPHONE MOUNTING CLIP

4Standard microphone mounting clip. Accommodates most stud mounting $C E$ and Ham mierophones. Attaches to metal case or dash board with 2 screws. Shpg. wt. 3 oz.
99 P 31841
.Net 30

## [C] CB BASE STATION CERAMIC MICROPHONE

For tube-type CB transceivers. Efficient, attractive high impedance desk ceramic microphone. With convenient push-to-talit button plus lock-switch for prolonged transmission. 3 -conductors plus shield for normal relay or electronic switching. 33/4x $53 / 4 \times 73 / 4$ ". Imported. Shpg, wt., $23 / 2$ lbs. 99 P 46070 Less plug ..........Net 13.75
Miniature Microphone Plug. For connection to Comstat 19, 23, 25, 25A, 25日, HB-444, A, and Comstat 23 Mark $\mathbf{V}$, Mark vi, Imported. 99 P 62630

Net 1.59

## [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. Lightwelght and comfortable with 8 -ohm earphone. Crystal mike for high output and full modulation. Boom and head. band adjust to individual preference. Mike mounted on swivel. Finished in chrome and two tone plastic. With 5 ft ., 4 -conductor cable. Imported. Shpg. wt., 13 oz .
For tube transceivers
99 P 25652
Net 5.98

## MAGNETIC MICROPHONE HOLDER

- For CB, Ham and Commercial Mobile Radjos


Either cllp to microphone for ready-to-use magnetic milhe or ready-to-use magnetic mike or
attach to any steel surface and slip microphone in holder. Fits most microphones. Imported wt., $40 z$.

- $P$ 45885 $\qquad$


## [E] CB CRADLE HAND SET

Modernize your present fixed or mobile CB station with these telephone style handsets. Attaches to dashboard, side of unit or wall of fixed station. Swltch in the cradie automatically disconnects the speaker when the handset is lifted. The microphone is activated by means of a push-bar. push-to-talk switch. Ideal for use in heavy traffic, loud background noise area, at home or in the office for privacy. Shpg. wt., 2 lbs,
For Solid State Transcelvers
42 P 65039
Net 26.50
For Tube-Type Transceivers
42 P 65047
Net 26.50
Microphone plug for connection to solid state HB-500, A, HB-555. HB 600 , A, HB-525, A, B, C, D, HB-625. HE-2OT, HB23, Teisat 23, 50,150 , Micro 12. Imported.
99 P 62838
Net 1.09
Speaker Plug for insertion into external phone/speaher jack. Imported.
99 P 62101
.Net 27
Microphone plug for connection to tube-type Comstat $19,23,25,25 \mathrm{~A}, 25 \mathrm{~B}, \mathrm{HB}-444, \mathrm{~A}$. Comstat 23 Mariv V, VI. Imported.
99 P 62630
.Net 1.59
Speaker Plus for insertion into external phone/speaker jack. imported.
99 P 62218
.Net . 32

## E "MITY-MITE" CB CERAMIC MICROPHONE

Ceramic microphone expertly designed and professionally styled for reat performance. fits snugiy in paim of hand for effortless operation. Features a "Long life" ceramic element. Three conductors plus shield connected for eiectronic switching. Includes Instruction sheet for conversion to relay switching. For all high impedance input CB transceivers (tube type). High impact plastic case and 4 foot coiled cord. $1 \times 11 / 4 \times 314^{\prime \prime}$. 99 P 45791 Wt., 9 oz . Imported Net 5.50 Miniature Microphone Plug. For connection to Comstat 19, 23, 25, 25A, 25B, HB-444. A. and Comstat 23 Mark V. Mark VI. Imported. 99 P 62630

Net 1.59

## NEW! MODEL T-UG8 STANO

Permits use of the popular Astatic D-104 mike with transistorized equipment with im . pedance match and gain control for full modulation. Printed circuitry uses rugged silicon transistors. Internal slide switch for choice of relay or electronic type control. Powered by inexpensive 9V battery supplied. Noise free silver contacts. Has coiled cord conductor cable. Shpg. wt., 3 lbs.
44 P 14116 $\qquad$ Net 23.37
Replacement 9V Long Life Baltery. Wt., 3 oz. 99 P 63729

## MODEL T-UE8 0104

The D104 microphone with the T.UG8 stand for use with transistorized amateur or CB equipment. Microphone and stand described in this section. Shpg. Wt, $33 / 4 \mathrm{lbs}$.
44 P 14124 No Money Down* Net 39.00 TE ADAPTOR KIT. Mic preamp kit adapts Astatic G grip-to-talk stand for use with transistorized equipment.
44 P 14132 Shpg. wt., 6 oz. .... Net 5.04 TU ADAPTOR KIT. Mic preamp kit adapts Astatic UG8 stand for use with transistorized equipment.
44 P 14140 Shpg. wi., 6 oz. ....Net 4.35

## RECORING - MUSCCAL INSTRUMENT - CONDENSER MIKES

## LAFAYETTE RECORDING MICROPHONES



## (A)LAFAYETTE PROFESSIONAL DYNAMIC

- Specially Designed for Transistorized Recorders Recummended for ali high quality recorders and particularly solidstate units. Has a wide frequency response of $80-15,000 \mathrm{~Hz}$. High impedance (10K ohms) with an output of -65 db . Die cast satin-black body with aluminum trim. Slim tapering design. May be hand-heid, used on desk stand supplied or mounted in any s.s" "27 stand. Black stand with aluminum trim. Mike is $51 / 2^{\prime \prime}\left[x 1^{\prime \prime}\right.$ dia. With 8 ft . attached cord and standard phone plug. Stand is $41 / 8 \times 24^{\prime} 2^{\prime \prime}$. Imported. Shpg. wt., 1 lb .
99 P 4588
Net 16.95


## (B) LAFAYETTE DELUXE DYNAMIC

For fine recording and general use, this slim beauty may be handheld, placed on its own desk stand, used as a lavalier mike or mounted on any standard $5 / 8^{m}-27$ stand. Omnidirectional pattern gives wide coverage. Wide range response from 100 to $10,000 \mathrm{~Hz}$. Dual impedance: 50 K and 250 Ohms. Output -64db. All metal. Die case base and mike finished in handsome satin-chrome. 5 ft . cable. Mike only $37 / \mathrm{s}^{\prime \prime} \mathrm{L} \times 3 / 4^{\prime \prime}$ diam. Stand $3^{5} / \mathrm{m}^{\prime \prime} \times 21 / \mathrm{s}^{\prime \prime}$ with stand, lavalier cord and bracket and stand adapter. Imported. Shpg. wt., 1 lb . 99 P 45924

Net 9.35


## (C) LAFAYETTE STANDARD DYNAMIC

An outstanding value, this featherweight dynamic microphone is attractively styled in a tapering design, and finished in handsomely contrasting black with aluminum trim. It may be hand-held or used on the small desk stand supplied. The omni-directional pattern picks up sounds from all sides. Assures wide coverage. Impedance is 10,000 ohms. Frequency Response is 70 to $9000 \mathrm{~Hz} \pm 7 \mathrm{db}$ and the output is -67 db . Has a built-in on-off switch. Comes complete with 6 if. cord with standard phone plug. Size: $61 / 4 \mathrm{Lk} \% \mathrm{~B}^{\prime \prime}$ diam. Imported 99 P 46161 Shpg. wt., 1 lb.

Net 7.79

## (D) LAFAYETTE TINY DYNAMIC MIKE

 - For Solid State RecordersThis is an excellent quality dynamic microphone which may be set on table or desk top or hand held. Impedance is 600 ohms and is designed for use with solid-state recorders requiring relatively low impedance dynamic microphones. Used with many Lafayette recorders. Size is $31 / 4 \mathrm{~L} \times \times^{3 / 4}{ }^{\prime \prime} \mathrm{D}$. Supplied with 5 ft . of cable terminating in standard phone plug. Imported. Shpg. wt., 8 oz. 99 P 46302

Net 5.95

## LAFAYETTE REMOTE CONTROL CASSETTE MIKE



Remote control dynamic microphone for table top or hand use. Impedance is 200 . 600 ohms for cassette recorders requiring low impedance mikes. Response: 100 to $9,000 \mathrm{~Hz}$. Has on-off switch. Size: $41 / 2 \mathrm{~L}$ $x 7 / e^{\prime \prime}$ dia. With 5 ft. cable terminating in dual miniature plugs for mike and remote control. Miniature $1 / \mathrm{e}^{\prime \prime}$ and subminiature $1_{2} z^{\prime \prime}$ plugs fit most cassette record. ers. Complete with prop stand. Imported. Shpg. wt., 5 oz.

Net 4.35

## LAFAYETTE 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 adjustable heads so you may vary the power of able heads so you may vary the power of control. Combining these with the overall tone controt, makes available an almost infinite adjustment of sound for any requirement. Comes complete with 6 ft . removable cord with mike plug at one end and standard phone plug for amplifier at other. For $F$ hole guitars. Size: $101 / 2^{\prime \prime}$ long. With bracket and mounting accessories. Imported. Shpg. wt., 3/4 lb.

## 99 P 45833

## ROUND HOLE GUITAR MICROPHONE

for use with Spanish guitar, ukuleles or other round hole instruments. Magnetic pickup with 6 adjustable heads so you may vary the power of each string. It has separate tone and volume controls. 7 ft . cable with stand. ard phone plug for musical amplifier. Finished in black and gleaming nickel. Simple to mount, easily adjustable. Imported.
99 P 46351 Shpg. wt., 1 lb. ....Net 7.15

# MUSICAL CONTACT MICROPHONES 

Easily attached to all stringed instruments. Provides rich reproduction. Clamp slips un. der sounding board cutout. With 8 ft . cable. $13 / /^{\prime \prime}$ long. Imported. Shpg. wt. 40 oz . 99 P 45767 With volume control ... Net 2.15

## HARMONICA CONTACT MICROPHONE

This is a fine quality, sensitive, crystal contact microphone with a high output that is especially designed to fit harmonicas. Installation is simple. It is sturdily built and measures only $15 / 8 L \times 5 / 8 \mathrm{~W} \times 3 / 8$ "0. Complete with 7 ft . shielded cable. Imported. Shpg. wt., 302.
99 P 45163
Net 1.60

## ELECTRO-VOICE ELECTRET CONDENSER NEW! MICROPHONE <br> $75^{00}$

model

- Self-Powered FET Circuitry
1751
- Cardioid Unidirectional Pattern

This E-V Model 1751 electret condenser microphone is suitable for professional recording, high quality PA and discriminating home recordings. Cardioid single D design emphasizes ćlose-up bass use. Has $60-15,000 \mathrm{~Hz}$ response, -43 db output level, on/off switch and built-In pop fifter. Output impedance is balanced 150 ohms. Rugged aluminum case with anodized beige finish. Powered by inexpensive AA cell (not supplied) with 1200 hour battery life, 18 -ft. shielded cable, Length $8^{\prime \prime}$, supplied with clamp stand adapter. Very low shock or handling noise permits hand held use. Shpg. wt., 2 lbs.
44 P 25815 Less Battery No Money Down* ......Net 75.00 Long-life $11 / 2 \mathrm{~V}$ "AA" battery ( 1 required)
99 P 63703
Net .18

## LAFAYETTE Economy Mikes and Miniature Mixers



TINY CRYSTAL MIKE


- For Desk-Top, Hand-Held Use
- Full -55 DB Output Level
- Excellent Frequency Response

An attractive, specially engincered general purpose crystal mike for desk-top or handheld use. Excelient frequency response. Output level -55 db . Only $15 / \mathrm{s}^{\prime \prime}$ in diameter. Includes $5 . \mathrm{ft}$. of shielded cable for connection to tape recorders, public address amplffiers and radios. Chrome plated stand Imported. Shpg. wt. 6 uzs.
99 P 45437
Net 2.45
MICROPHONE


- Frees Both Hands For Other Uses

A sensitive general purpose crystal micro phone designed to aftach to your layel for situations requiring both mobility and the full use of both hands. Only $15 /{ }^{\prime \prime}$ " in diam eter. Excellent frequency response. Output level - 55 db . Chrome plated case and cllp for attaching to lapel. Includes 5 ff . shielded cable. Imported. Shpg. wt., 402. 99 P 45105

Net 1.95

## LAFAYETTE MINIATURE MIKES \& CARTRIDGES



(C)


## (A) miniature dymamic mike

Rugged-metal encased-to resist mechanical shock and variations in heat and humidity. Measures only $1 / h^{\prime \prime}$ dia. x $5 / 16^{\prime \prime}$ thick. High sensitivity in the voice range. Frequency response 300 to 5000 iiz .600 ohm impedance. Output - 73 db . Includes 4* flexible lead terminals. Imported. 2 ozs. 99 P 45270

Net 2.16
(8) SURMINIATURE CRYSTAL MICROPHONE

An extremely sensitive and small crystal inicrophone simlar to the round types but for replacement use in hearing alds where a rectangular shape is required. Measures: 13 x $x 1^{1} \times 1 / 4^{\prime \prime}$ deep. Imported. Shog. wt.. 2 ots. 99 P45189 ......................................... 1.29

## (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 $2^{\prime \prime}$, depih $1 / 2^{\prime \prime}$. Output -52 db . Excellent frequency response. Imported. Shpg. wt., 3 ozs.
99 P 45130
.Net 1.12


Only - Complete With Desk Stand, Lavalier Cord and Brachet and Floor Stand Adapter Designed for every possible type of mounting, this slim mike may be hand-held, mounted on the desk.stand. used'as a chest mike with the lavalier cord and bracket. or mounted on any standard $5 / 6$ " -27 noor or desk stand with adapter supplied. Good clean reproduction. Frequency response $50-9,000$ Hz. Output, -65 db . Equipped with on-off switch which may be used as press-to-talk or locked into "on" position. Brushed aluminum body is $5^{\prime \prime}$ long with $54^{*}$ cord. Black oval base is $33 \% \mathrm{~L}^{21 / 2^{\prime \prime} \mathrm{W} \text {. Imported. }}$
99 P 45874 Shpg. wt., $1 \mathrm{lb} . \ldots$. Net 5.60

## LAFAYETTE MINIATURE AUDIO MIXERS

(a)


(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 speakar while inserting into system. Shielded, chrome plated housing. Has 2 RCA-type fenale input jacks and an RCA-fype male phono olur output. $23 / 4 \times 13 / 4 \times 7 / 8$ " overall. Imported. shpg, wt. $1 / 4 \mathrm{ib}$.
99 P 10134
Net 2.29
(B) Same as above except output is standard phone plug. $31 / 4 \times 13 \times 11 / 4$ overall. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 P 10142
Net 2.38

## ! <br> SWITCHCRAFT AUDIO MIXERS

2-input hi-impedance mixers. Record sound-on-sound. Record music direct and dub your voice at the same time, hecord from 2 mikes at once. Separate gain controls for each channel allow fading. Shielded housing. Slze: $24 / \mathrm{x} 11 \mathrm{~K} / \mathrm{g} \times 1 \mathrm{licm}$. Shpg. wt. 6 ors.
Type 310. Two 2 -cond. phone jack inputs to 2 -cond. phone plug output.
24P88656
Net 5.88
Iype 311. As above but has long output plug to fit recorders with recessed jacks.
24 P 88674
Net 5.84
Type 313. As above but with short Revere glugs and jacks for std, or short phone plugs. For all Revere/Wollensak recorders.
24 P 8851 a
Net 5.88
Type 320. Mate mike connector Inputs and female mike connector output.
24 P 8965
Net 5.88

# Speciality Microphones 

## LAFAYETTE Entertainers Mikes

For Musical Instrument Amplifiers

## (A) CARDIOID DYNAMIC MIKE

A superb dynamic microphone designed for applications where location of performer in relation to speakers causes feedback and reverberation, Highly directional cardioid pattern. Dual impedance: 50 K or 600 ohms, selectable by switch. Response: $100-10,000 \mathrm{~Hz}$. Mylar diaphragm. On/off switch. Modern design. satin chrome finished die-cast case. For hand held or stand use. Size: $81 / 4 \mathrm{Lx1} 1 / \mathrm{s}^{\prime \prime} \mathrm{D}$ head. With swivel stand adaoter and 20 ft . detachable cord with phone plug at other end. Imported. Shpg. wt., $13 / 4$ lbs.
99 P 46294
Net 14.75
(B) DELUXE BALL DYNAMIC MIKE

- For Hand and Stand Use

Modern design features dual impedance-High 50 K ohms, or low 250 ohms. Omni-directional, $100-10,000 \mathrm{~Hz}$. Has on-off switch. Ball screen insures against "pop" and wind blast. Die-cast, finished in satin aluminum. Size: $6 \frac{1}{4} 4^{\prime \prime}$ long, max, diam. of ball $2^{1 / 1 / a^{\prime \prime}}$. Complete with detachable 20 ft . cable and phone plug. Black metal desk stand and adapter for any t/s" 27 floor stand. Imported. Shpg. wt., 3 lbs. 99 P 46203

Net 18.95

## LAFAYETTE FM WIRELESS MICROPHONE

A transistorized FM transmitter and microphone which transmits up to 150 feet with perfect clarity to any $88-108 \mathrm{MHz}$ FM receiver. Has hundreds of practical uses-for entertainers and theatrical productions, in-plant communications, baby sitting, inventory and survey situations and many other remote sound pick-up applications with out interfering connecting cables. Has sensitive built-in microphone and is fully shielded against interference. Approved by FCC. Tunable from $88-108 \mathrm{MHz}$. Operates on inexpensive 9 V transistor battery (not supplied). Compact: $43 / 4 \times 1 \times 1^{\prime \prime}$. Lightweight: only $31 / 202$. Includes antenna, tuning tool and operating instructions. Imported. Shpg. wt., 10 oz .
99 P 46393
Net 19.95
99 P 602129 Battery-1 required

## LAFAYETTE DYNAMIC PA MICROPHONE W/SWITCH

The perfect companion microphone to the solid 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.,
$9{ }^{3 / 4 \mathrm{lb}} \mathbf{4 5 7 7 5}$

## LAFAYETTE PA DYNAMIC

 An excellent general purpose dynamic microphone for PA and paging, efc. Designed for flexiblify in use, it may be hand-held, mounted on any $5 \%{ }^{\prime \prime}-27$ stand. Frequency range $100 \cdot 10,000 \mathrm{~Hz}$. Output -58 db , high impedance ( 50 K ohms). Omnidirectional pickup pattern. Has on-off slide switch. Gleaming black body with chrome head. Tapered body size $63 / 4{ }^{\prime \prime}$ long, max. O.D. $12 / 4^{\prime \prime}$. Complete with $41 / 2 \mathrm{ft}$. detachable cable with mike connector, adapter for stand mounting. Imported. Shpg. wt., $1 \frac{1}{2}$ lbs.99 P 46369
Net 7.95

## 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, stipped into its own desk stand or used on lavalier cord. Frequency response $200-10,000 \mathrm{~Hz}$., output -61 ob. High impedance ( 50 K ohms). Case is high impact plastic finished in blue and gray. Chrome plated desk stand. Really "flyweight" mike measures only $35 /{ }^{\prime \prime}$ "Lxl" max. diam. Complete with 5 ft . cord. stand and lavalier cord. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 P 45866
Net 7.95

## LAFAYETTE HEAVY-DUTY DYNAMIC

An especially rugged dynamic microphone featuring a wide response of $100-10,000 \mathrm{~Hz}$. and output of -55 db . High impedance ( 50 K ohms). Omnidirectional pattern. On-off sfide switch. Very heavy die cast case. Finished in satin chrome. Mounts on any standard $5,8^{\prime \prime}-27$ stand. Size: $4^{\prime \prime} \mathrm{Hxlxl}$. With 18 ft . detachable cable with mike plug on one end. Imported. Shpg. wt., 2 lbs .
99 P 45908


Best Quality Dynamic and


# Mixers-Preamps-Equalizers 

LAFAYETTE TRANSISTORIZED STEREO/MONAURAL MIKE MIXER


In monaural posifion, can be used to control 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 out. puts. Each mike control independent of the other. permits fading of one input while increasing others. Controls high impedance microphones, recorders, phonographs or tuners. Output jack fits standard RCA type phono plugs. Inputs are standard 2 -conductor phone plugs. Less battery. Size: $6 \mathrm{~W} \times 21 / 4 \mathrm{H} \times 31 / 2^{\prime \prime} \mathrm{D}$. Imported. 99 P 45635 Shpg. wt., $11 / 2$ Ibs. 99 P 60212 Battery for above

Net 10.79

## LAFAYETTE SOLID STATE STERED MIXER/PREAMP


"All-Transistor" stereo-mixer/preamp! For use with any power amplifier not incorporating low-level inputs for magnetic cartridges. tape heads and low-impedance microphones. Raises the outout of any low level source without affecting the signal-to-noise ratio. Features: 2-mike, 2 -phono, 2 -tape inputs, volume controls for left/. right channel; equalization swlich; power off/on switch; mode \$witch; bulit-in 9V 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: $21 / 2 \mathrm{Hx} 7 \mathrm{~W} \times 51 / 2$ "0. With battery. Imported. 99 P 01786 Shpg. wt., 21/2 lbs. 99 P 60212 Replacement Battery

Net 19.95
BOGEN MODEL MXGA-T MIXER — PREAMPLIFIER


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, fape recorder or microphone. SPECIFICATIONS - OUTPUT VOLTAGE: 2 Volts and .04 volts at $0.5 \%$ distortion; FREQUENCY RESPONSE: $50-20,000 \mathrm{~Hz}$. 2 db ; GAIN: Mic 60 db , phono - 20 db ; HUM: $58-20 \mathrm{db}$ below $\frac{\pi}{5}$ 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 1.2 W at 117 VAC, 50.60 Hz ; DIMENSIONS: $91 / 4 \times 16 \times 2 \%{ }^{\prime}$. Shdr. Wt., $53 / 4 \mathrm{lbs}$. 44 P 12201 No Money Down*

Net 52.45

## SHURE LEVEL-LOC CONTROLLER



MODEL ME2V "Level LOC" Audio Level Controlter, now with a variable input level control. Automatically locks the volume level of a sound system, virtually eliminating amnoying volume changes, blasting. fadeout. etc. Level is predetermined by setling a singie switch. Frequency Response: $20-20,000 \mathrm{~Hz} \$ 2 \mathrm{db}$. Input Impedances: 100 K and 500 ohms: output approximately 500 and 10 ohms. Cannon-ivpe connectors. Gain: low imped. Input to low output is $0_{\text {; }}$ to high output is +22 ; high imp. Input to tow output is +22 ; to high output is 0 . Battery operated. $21 / 2 \times 113 / 8 \times 51 / 4^{\prime p}$. Shpg. wt., 4 lbs .
Complete with battery.
44 P 75976 No Money Down*
Net 80.00
99 P 60212 Exira 9 volt battery
Net
.21

LAFAYETIE TRANSISTORIZED MIKE MIXER


- Up to 4 Channels
- Matches High Impedance Microphones
- Modern Solid

State Design
Mixer controls high impedarice signals from mikes, phonos, recorders or tuners. Standard 2-conductor phone inputs, standard RCA type phono pin plug output, 9 volt batiery. Imported.
99 P 45353 Monaural Mixer. Shpg. wt., $11 / 2$ lbs,
Net 5.98 99 P 60212 Battery for above

Net . 31


The Shure M68 is a fully transistorized professional mixer providing for the utmost flexibllity in use. It has four microphone channels plus an auxiliary channel. There are five gain controls (an individual one for each channel) plus a master gain control. There is instantane ous and independent selection of high or low impedance on each of the microphone inputs, Male Cannon-type input receptacles. Outputs to match high or low impedance microphone inputs or high imp., high level auxiliary input. Size: $25 / 6 \times 11 \%$, $5 \%$ ".
44 P 75588 No Money Down*. Shpg. wi, 5 ibs. ... Net 84,00 MOOEL M68FC. M68 above but with temale Cannon-type receptacles. 44 P 75851 Y No Money Down*

Net 90.00

## REVERBERATION MIXER

MODEL M68RM. Similar to M68FC above. except has built-in ad. justable 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: $21 / 2 \times 113 / 0 \times 514^{\prime \prime}$. For $105-130$ volt $\mathrm{AC}, 50 / 60 \mathrm{~Hz}$. 44 P $75877 Y$ No Money Down*. Shpg. wt. 8 ibs... Net 117.00

## SHURE STEREO MICROPHONE MIXER



Model M685. Designed for use with stereo tape recorders and sound reinforcement systems. It has four dual impedance microphone inputs-three switchable to either 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. Shps. wt., $6 / / 2 \mathrm{lbs}$. 44 P 76115 Nc Money Down*

Net 114.00


MODEL M63. For maximum control flexibility with any high level input source. Works in conjunction with the Shure M68 Series of mixers. 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 monitor audio level. Five types of outputs: 600 ohm balanced line, high impedance high level, high and low impedance microphone levels, and headphone jack for monitoring. Variable high pass and low pass 6 db per octave filters. Bass and treble tone controls. Two 30 VDC jacks and an AC receptacle. Frequency Response: $20-20,000 \mathrm{~Hz}$. Size: $21 / 2 \times 1136 \times 53 / 4^{\prime \prime}$. For 105 . 130 volts. $50 / 60 \mathrm{~Hz}$. AC or 30 VDC . 44 P 75844 No Money Down*. Shpg. wt., $43 / 4 \mathrm{lbs}$. Net 96.00

# Extension, Outdoor, and TV Remote Control Speakers 



LAFAYETTE Outdoor $8^{\prime \prime}$ Patio Speakers


As Low As $11^{95}$

- Weatherproof-Waterproof
- Freq. Response: $40-15,000 \mathrm{~Hz}$
- 5.5 oz. Ceramic Magnet
- Peak Power 20 Watts

Relax with music outdoors at patio, perch or poolside. Prewired with $25^{\prime}$ cable for easy connection to radio, phono or hi-fi system. Unaffected by dampness or rain. Durable steel enclosure with baked-on finish. Convenient, sted-saving volume control. 8 ohms;
 44 P 33056W

Net 11.95
DELUXE VERSION of above with heary-duty speaker reaturing 10 oz . ceramic magnet and co-axially mounted highofrequency cone for $35-19,000 \mathrm{~Hz}$ response. 15 watts normal, 30 watts peak.

44 P 33066W Shpg. wt., 71/4 lbs.

## LAFAYETTE Extensioñ Shelf-Speaker System


e A.tractive Wainut Finished Wood Cabinet
Ideal as an extension speaker for your den, basement, kitchen or bedroom. Use two for stereo or with your TV and Radio. Housed in a beautiful walnut finished wood cabinet. 5 -watt $4 \times 6^{\circ}$ speaker is designed to work from either 4 - or 8 -ohm output. Supplied with 25 feet of cable. Size: $91 / 2 \times 73 / 4 \times$ $31 /{ }^{\circ}$ "D. imported. Shpg. wt., 3 lbs. 99 P 45502

Net 8.95

## LAFAYETTE 4" Paging Speaker System

 Only


- Includes 25-Ft. Speaker Cable With Piug
For use in multi-speaker fow power paging systems, intercom systems, auxiliary bench speaker, etc. 4" PM speaker with heavy magnet. Mounted in 2 -tone wainut and black wood baffle. The baffle has sloping-front and enclosed-back acoustic construction and has a bullt-in jack for plug-in connection of the $25^{\circ}$ cable and plag supplied. Speaker voice coil is 4 ohms. Size: $5 \mathrm{~W} \times 55 / 8 \mathrm{H} \times 31 / 4 \mathrm{D}^{\mathrm{C}}$. Imported. Shag. wt., $11 / 2 \mathrm{lbs}$.
99 P 45510


## LAFAYETTE Extension Wall Speaker System



44 P 52025

# - Powerful 61/2** Wide-Range Speaker <br> - Handles Up To 6.Watts Music Power <br> - Handsome Oiled Wainut Wood Enclosure 

Our finest quality extension speaker system. Powerful $61 / 2^{\prime \prime}$ rich sounding wide.range speaker is housed in a handsomely styied olled walnut wood enclosure with a decorative black grill cloth. You can enjoy tine hi-fl music everyywhere 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 house. Also ideal for use in background music systems in offices and restaurants. Handles up to 6 -watts. Imped. ance 8 ohms. Size: $71 / 2 \mathrm{~W} \times 93 / 4 \mathrm{H} \times 51 / 4{ }^{\text {" }}$ D. Imported. 99 P 02032 W Shpg. wt.. $51 / 2 \mathrm{lbs}$.
10.95

## MISCO Weatherproof Speakers



## As Low As 830

- $31 / 2^{\prime \prime}$ and $8^{\prime \prime}$ Models
- Gimbal Type Mounting Bracket
- For Patio, Paging, or Mobile Applications
Model MS-3-388. Compact, weatherproof, dustproof. Ideal for use in mobile communications, for intercom paging, and as an extension soeaker. Can be immersed in water. Power rating 3-watts. Resp: 100 to $10.000 \mathrm{~Hz}: 8$ ohms imp. $41 / 2 \times 44 \times 258$ with bracket. Wt., $13 / 4 \mathrm{lbs}$. 44 P 52017

Net 8.30
Modet MMS-8F. Similar to above but with $8^{\prime \prime}$ speaker. Power rating 8 watts. Resp: $70 \cdot 13,000 \mathrm{~Hz}$. $9 \times 9 \times 41 / 4^{\prime \prime}$. Shpg. wt., 5 bs.

Fine sounding and handsome looking extension speaker system with brackets for hang. ing on any wall. Outstanding tonal quality from a wide-range 6 " speaker makes it ideal for $\mathrm{Hi}-\mathrm{Fi}$-extension speaker use. Features volume control. Excellent for PA. Fatures ing. $97 / 8 \mathrm{H} \times 97 / 8 \mathrm{~W} \times 4$ "D. Imp: 8 ohms. Imported.
99 P 45494 Shpg. wt., 3 Ibs.
Net 9.95

## Deluxe 2-Way Remote Control TV Speaker

## Only <br> $8^{65}$

- Control Both TV Set Speaker and Remote Speaker From Your Armchair
A large $4 \times 6^{\prime \prime}$ full-range speaker mounted in a larger cabinet for improved tonal quality. With 2 fader controls so that you may listen to elther the TV speaker, this remote speaker, or both blended to the volume level you desire for each. You can turn off volume on both speakers without turning off the set. Attractive walnut finished cabinet which measures $93 / 4 \mathrm{~L} \times 61 / 4 \mathrm{H} \times 33 / 4^{\circ} \mathrm{D}$. Complote with $20^{\circ}$ of cable. Imported. Shpg. wt., 3 lbs. 99 P 45965


## Net 15.10 <br> LAFAYETTE Desk Type Extension Speaker System

 Cane Grille
Versatlle extenston speaker sultable for desk or shelf use. Attractive tri-angular shaped, oiled wainut finished cabinet. Powerful $4 x$ $6^{6 "}$ oval speaker provides fine tone. Cemplete with volume control and 22 f . of wire. Impedance 8 ohms. Size: $73,4 \mathrm{~W} \times 51 / 4 \mathrm{H} \times$ $51 / 2=0$ (at the base). Imported. Wt., 2 lbs. 99 P 01216 ............................ 7.55

## PICTURE-THIN Extension

 NEW! Speaker System

Only $10^{\prime \prime} \times 15^{\prime \prime} \times 31 / 3^{\prime \prime}$ deep! As easy to in. stall as hanging a picture. Features wide. range 5" high-compliance speaker with 5.5 oz. magnet. Power handling capacity: 12 watts. Rich wainut wood finish cabinet. im. pedance 8 ohms. Shpg. wt., 7 lbs. 44 P 33074W

# LAFAYETTE PA Speakers - Lowell Baffles 

## LAFAYETIE CEILING BAFFLE with SPEAKER

- Wide Range

Hi-Fi Response

- Measures Only $2^{1 / 4}$ " Deep
- 12 oz. Magnet


## Structure

 any wall, ceiling, closet or ordinary wood enclosure. Two are perfect for stereo. Voice coil is $1^{\prime \prime}$ Diam. Frequency Response; 90.9 .000 Hz . Impedance: 8 ohms. Overall size including metal baffle is $92^{2 m}$ Requires 6 ? $5^{* \prime}$ wall cutout. Imported. Shpg, wt., 3 lbs.99 P 45056
Net 7.50

## UTAH OM-10 OMMI-Directional 8" WALL/CEILING SPEAKER

## - 8" Wide Range

 Speaker- Radiates Sound For a Full $360^{\circ}$
Fasten to ceiling or hang on wall, will not overpower people directly in front or under speaker. Handsome walnut grained baffle. Supplied L.Pad type control and all necessary hardware. Impedance: 8 ohm. Power 8 watts ( 15 watts peak). Size: $11 \times 11 \times 41 /$ n' $^{\prime}$. 44 P 20030 W Shpg. wt.. 4 lbs. Net 15.95



## LOWELL PA SPEAKER BAFFLES




## FLUSH-MOUNTING PLASTIC BAFFLES

Decorative high impact Styrene plastic baffles: White finish. Light-


CR80-P


L35-P

## RECESSED ALUMINUM BAFFLES

## LAFAYETTE PA SPEAKERS

## 8" PA SPEAKER

- Handles 20 Watt Peak
$5^{95}$
The $8^{\prime \prime}$ favorite of professional sound installers; with 5.5 oz , ceramic magnet and $3^{\prime} 4^{\text {" }}$ voice coil. Magnet assembly bonded with Rf-cured epoxy, can't shift, Internal magnet seal for added dependability. Handles. 10 -watts program, 20 -watts peak. Impedance. 8 -ohms. Onfy $23 / 4^{-3}$ deep, fits inside walls. A popular speaker at a popular price.
44 P 01030 Shpg. wt., $2^{1 / 4}$ lbs.
Net 5.95
12" PA SPEAKER

- Handles 36 Watts Peak Highly efficient magnet and voice coil combination
for maximum sound output per watt: 10 oz ceramic magnet and $1^{\prime \prime}$ voice coil. Magnet assembly bonded with RF-cured epoxy, can't shift. Internal marnet seal for added dependability. Handles 18 -watts program. 36 -watt's peak. Impedance. 8 -ohms. $4^{7} \mathrm{ra}^{\prime \prime}$ deep. Shpg. wt., 5 lbs.


## 44 P 01022 W

Net 8.95

## DELUXE HEAVY DUTY

## $12^{\prime \prime}$ PA SPEAKER

## - Handles 60 Watts Peak $12^{95}$

High Power handling ability for large installations. Tough industrial type $1 / / 2$ " voice coil. 20 oz. ceramic magnet for excellent efficiency. Accepts all popular line-40-woice coil transformers. Power laandling 30 watts ( 60 watts peak). 1 mp . 8 ohm. Overall Diameter $122^{\prime \prime \prime}$. Depth $45^{\prime}{ }^{\circ}$ ". Shigg wt., 7 lbs . 44 P 01600 W


The peffect 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 214" hat wits own metal baffle plate it eng or molosure

weight and durable-will not fade, chip or mar-Model ADS80.P has full. $360^{\circ}$. dispersion. Self-tapping speaker mounting screws supplied.

| Stock No. | Type | Description | Wt. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 44 P 50144 | ADS80P | For 8" ceiling Spkr 10x10" | 1002. | 2.96 |
| 44 P 50151 | CR80P | For $8^{\prime \prime}$ ceiling/wall Spkr 10x10" | 802. | 1.43 |
| 44 P 50169 | L35P | For $342^{\prime \prime}$ intercom Spkr 4ti2x7" | 502. | . 94 |

## STEEL RECESSED BAFFLES

LK-8


Popular steel styie grills with enduring baked on white enamel finish. All grills have 4 studs on rear to mount speaker. For $8^{\prime \prime}$ speakers. All hardware is furnished.

 | 44 P 50201 LK .8 | For $8^{\prime \prime}$ Ceiling Speaker $131 / /^{\prime \prime}$ dia. $13 / 4$ lbs. 2.53 |  |
| :--- | :--- | :--- | :--- | :--- |
| 44 P 50219 CW-8 | For $8^{\prime \prime}$ Ceiling Speaker $12^{\prime \prime}$ dia. $234 / \mathrm{lbs}$ | 6.21 | 44 P 50219 CW-8 For $8^{\prime \prime}$ Ceiling Speaker $12^{\prime \prime}$ dia. $2^{33}$ lbs.

## FLAT TILE TYPE PANEL BAFFLE

Type MB-Square steel type. Designed to
match and replace slandard $12 \times 12 \times 1,2^{\prime \prime}$ - acoustic tile blocks. Permits a completely hidden speaker system - for $8^{\prime \prime}$ speaker mounting hardware is furnished-Baffle is zinc chromate undercoated and finished in tlat white lacquer $12 \times 12 \times 1 / 2^{\circ}$. FOR PROPER ENCLOSURE SEE ENCLOSURE LIST. ING.
44 P 50193
Net 3.73

RS and $A L$ ceiling baffles are ideal for installation in homes, offices, restaurants, etc. Spun aluminum material has lacquer protected satin finish. Model AL features diffuser cone for fult $360^{\circ}$ sound dispersion. REQUIRE PROTECTIVE SPEAKER ENCLOSURES (TYPE CP ANO XCP LISTEO BELOW).

| Stock No. | Type | Description | Lbs, | Net |
| :---: | :---: | :---: | :---: | :---: |
| 44 P 50011 | RS-6A | For 6" speaker $10 \% \times 7 \mathrm{Ha}^{\prime \prime}$ | 3/4 | 2.53 |
| 44 P 50029 | RS-8A | For $8^{\prime \prime}$ speaker $125{ }^{\prime \prime}{ }^{\prime \prime} \times 1 / 2^{\prime \prime}$ | 1 | 2.50 |
| 44 P 50037 | RS8AW | Same as above but wh. enam. | 1 | 2.50 |
| 44 P 50045 | RS-12A | For 12" speaker $167 / \mathrm{s}^{\prime \prime} \times 1 / 2^{\prime \prime}$ | 13/4 | 3.85 |
| 44 P 50052. | AL6A | For $6^{\prime \prime}$ speaker $103 / 4{ }^{\prime \prime}$ Dia. | 3/4 | 5.06 |
| 44 P $50060^{\circ}$ | AL8A | For $8^{\prime \prime}$ speaker 125/8" Día. | 1 | 8.66 |
| 44 P 50078 | AL12A | For $12^{\prime \prime}$ speaker $165 / 8^{\prime \prime}$ Dia | 2 | 10.95 |

## PROTEGTHE MOUNTING ENCLOSURES

Protect agalnst damage from falling mortar, dust, rodents, etc. 22 ga. steel welded construction. Exteriors are rust-proofed with zinc chromate; inferiors are heavily undercoated to prevent resonance. CP series used for new construction, XCP for existing ones. P875X for elther. Shipg, wt.: Types CP1012, XCP 1012-8 Ibs.; CP84, XCP84, P875X. CW-8- $3 \frac{1}{4}$ lbs.; CP-6, XCP-21/2 lbs.; P22X-1 lb.

| Stock No. Type | For | 1.0. | 0.0. | Depth | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 44 P 50086 CP-6 | AL6-A, RS6-A | $75^{\prime \prime \prime}$ | 111/4" | 47\%' | 3.67 |
| 44 P 50094 CP84 | AL8-A, RS8-A, M8 | 85/8" | 1319* | 41/4" | 4.21 |
| 44 P 50102 CP1012 | AL12-A, RS12-A | 124/2" | 171/2" | 71/9" | 8.45 |
| 44 P $50110 \times$ XP6 | AL6.A, RS6.A | 75 \% | 101/8" | 41/8" | 3.68 |
| 44 P $50128 \times$ CP84 | AL.8-A. RS8-A, M8 | $85 /{ }^{\prime \prime}$ | 113/4" | $44^{\prime \prime}$ | 4.07 |
| 44 P 50136 XCP 1012 | AL12.A, RS12-A | 125/8" | $16^{\prime \prime}$ | 7 | 9.32 |
| 44 P 50177 P875x* | AL8-A, RS8-A, M8, ADS80.P. CR80-P |  |  | 35" | $3: 76$ |
| 44 P 50185 P 22 X ** | L35P |  |  | $2^{\prime \prime}$ | 3.05 |
| 44 P 50227 CP-200 | CW-8 | $10^{\circ}$ | 134/* | 5" | 5.71 |
| "Size $874 \times 83 / 4$ " | Size 61/4×4" |  |  |  |  |

# PA Sound Columns, Speakers, and Megaphones 

## LAFAYETTE 6 Speaker Directional Sound Columns

[A]
Ideal For Schools, Churches,

- Reduces Auditoriums, Meeting Rooms


## As

 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 horizontal plane cover a large audlence, and by narrowing the vertical plane they reduce normal acoustic feedback and reverberation from floor and ceiling reflections, resulting in crystal-clear voice 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. Attractive vinyl covered wood cabinet. Dimensions $31^{\prime \prime} \mathrm{H} \times 71 / 4^{\prime \prime} \mathrm{W} \times 31 / 4^{\prime \prime} \mathrm{D}$. Imported. 99 P 46146 W Shpg. wt., 131/2 Ibs. ...............................Net 34.25 [B] Deluxe Lafayette 60 Watt Sound Column-Six poweriul $6^{\prime \prime}$ speak ers handie up to 60 watts power. Size: $411 / 2^{\prime \prime} \mathrm{H} \times 73 / 4{ }^{\prime \prime} \mathrm{W} \times 5^{\prime \prime} \mathrm{D}$. Fre. quency response $70 \cdot 10,000 \mathrm{~Hz}$. Dispersion $120^{\circ}$ horizontal, $30^{\circ}$ vertical. Handsome vinyl covered wood cabinet. Impedance 8 ohms 99 P 46252 WX Shpg. wt., $221 / 2$ lbs. No Money Down* Net 52.95

## Weatherproof Outdoor Public

 Address and Hi-Fidelity Speakers

E-V SONOCASTER


(B)

MiFi SPEAKER


(C)

UNIVERSITY MLC

(A) ELECTROVDICE SONOCASTER I LIghtweight, rugged and weatherproof for extenslon or portable use anywhere. Special radax coaxial $8^{\prime \prime}$ speaker provides amazingly wide range response, $70 \cdot 13,000 \mathrm{~Hz}$. Ideal for use with existing stereo system. Improves performance of any portable radio, record player, recordep, etc. Black molded housing similar to fine air travel luggage; can't chip, fade or peel. Accessory hangup bracket included. Molded-in handle. 8 ohms. 30 watts peak. $163 / 4 \mathrm{H} \times 17 \mathrm{Wx} 57 / \mathrm{a}^{\prime \prime} \mathrm{D}$. Wt. 7 lbs.

## 21 P 30300W

Net 24.50
(B) DELUXE HIGH FIDELITY 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 special $61 / 2^{\prime \prime}$ full range speaker mounted in a totally sealed, infinite baffe-type compression chamber with the speaker diaphragm driving on one piece, fiberglass reinforced polyester, folded, front loaded horn. The woofer compression chamber is made of spun aluminum. Comes with adjustable and serrated " $U$ " bracket which permits $180^{\circ}$ variation in mounting position. Dispersion $120^{\circ}$; Response, $100 \cdot 15,000 \mathrm{~Hz}$. Power Handling 20 Watts, impedance 8 ohms. Slze: $123 / 4^{\circ} W \times 91 / 8^{\prime \prime} \mathrm{H}$. Finish -light Grey. Shpg. wt., 8 lbs.
44 P 80307W No Money Down*
Net 34.95
(C) UNIVERSITY MLC Ideal for coverage of moderate size areas of crowds- or for sound reinforcement where smooth, clean, wide range musical reproduction and even distribution are important. Fiberglass reinforced polyester housing with movable mounting bracket. Excellent reproduction from $150-15,000 \mathrm{~Hz}$ with a power rating of 15 watts. System has a 2000 Hz crossover. $120^{\circ}$ dispersion: 8 ohms impedance. Dimensions: $127 / 4 \mathrm{~W} \times 9 \mathrm{H} H \times 155 /{ }^{5} \mathrm{D}$. Shpg. wt., 10 lbs.
44 P 80018 W No Money Down*
Net 46.76

Tlis land and sea megaphone features all aluminum construction, superb clarity and tonal quality, a durable handy carrying strap, Instant battery loading, a noise-cancelling microphone, fingertip volume control and power-packed amplification. It is capable of 5 . watts output and operates off 4 optional flashlight " $D$ " cells. The bell is protected and cushloned with a polyvinylchloride bumper pim. Finished in brilliant red and ebony black. Imported. Dim. 71/4" Dia x 121/4"L.
44 P 27027 W Shpg. wt. 4y/4 lbs. No Money Down* ..Net 44.95 99 P 63661 Long-Life " $D$ " Batteries (4 Required) .Ea. .28

UNIMETRICS 20-Watt Portacall


Extremely rugged and reliable. For long range voice communication. Water resistant and corrosion proof. Transistorized amplifter. Brifliant red emergency light. Powerful built-in emergency siren. Pistol grip, trigger operation with volume control. Built-in mike. Operates on 8 'C"' Batteries (not included). With carrying strap. Imported.
40 P 69118 w Shpg. wt., 6 lbs.
" $C$ " Batteries for above ( 8 required)
99 P 62572

# PA Projectors, Trumpets, Paging Speakers and Drivers 

## LAFAYETIE MINIATURE HORN PAGING SPEAKER



## 950

- Mounts Easily
- $90^{\circ}$ Dispersion
- Weatherproof

An excellent general purpose paging speaker of amazingly compact size. Ideal for portable PA systems, patios, etc. Long-lhrow projection of $90^{\circ}$ dispersion offers maximum speech intelligibility in high noise areas. Compact size enables it to be mounted anywhere in almost any position. Frequency response $400-12,000 \mathrm{~Hz}$. Impedance 8 ohms. Power handling capacity 5 watts, 8 watts maximum. With mounting bracket. Horn diameter $51 / 3^{\prime \prime}$ Depth $43 / 4^{\prime \prime}$. Imported, Shpg. wt., $11 / 2$ lbs.
99 P 45080
Net 9.50

## E.V PROJECTORS AND PAGING SPEAKERS


(A) Model 848A. COMPOUND DIFFRACTION PROJECTOR-a wide range horn and driver system using two way driver plus high and low frequency horns coupled to both sides of diaphragm. Delivers wide angle sound with extremely low distortion. Outer horn is fabricated of fiberglass and polyester resin for strength and resistance to corrosion. EIA Sensitivity Rating 57 db . Power handling capacity: 30 watts program. Response: $150-10,000 \mathrm{~Hz}$. Impedance: 8 ohms. Dispersion: $120^{\circ}$. Universal U Mounting bracket. Dimensions: $101 / 2 \times 201 / 2 \times 20^{\prime \prime}$. 44 P 25641 W Shpg. wt., 17 ibs. No Money Down*... 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. Slze: $71 / 2 \times 71 / 3^{n} \mathrm{D}$, Shpg. wt., 4 lbs.
44 P 25765
Net 17.40
(C) Model PA-30A. 30-WATT PAGING PROIECTOR. Rugged, high-impact horn. Rectangular horn design for maximum versatility, wide dispersion. Smooth response for both voice and music: $250 \cdot 14,000 \mathrm{~Hz}$. : 30 watts, 8 ohms. Dispersion: $120^{\circ} \times 90^{\circ}$ EIA sensitivity rating 63 db. $11 \mathrm{H} \times 6 \frac{1}{2} \mathrm{~W} \times 81 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., $63 / 4 \mathrm{lbs}$.
44 P 25153
Net 25.50

## ATLAS MOBILE PA MARINE AND CB SPEAKERS



Model MO-1 Weatherproof speaker with special, rigid, one-piece cast bracket for fail-sale use on vehicles or boats. Concealed wlring and special one-piece hom discourage tampering. HIgh efficiency for use with mobil radio transceivers. Ideal for shipboard cabin-lop mounting. Power: 25 watts. Impedance: 8 ohms. Response: 300-13,000 Hz . Dispersion: $130^{\circ}$. Size: $71 / 4^{\prime \prime}$ bell diameter, $636^{\prime \prime} \mathrm{D}$. Shpg. wt., 6 lbs
44 P 10346 No Money Down*
Net 31.14
Modet MD-2 Compact, weatherproof moblle communications speaker with welded steel bracket for concealed, limited space use in vehicles or on boats for butkhead or cabin-top mounting. Power: 25 watts. Impedance: 8 ohms. Response: $300-13,000 \mathrm{~Hz}$. Dispersion:

44 P' 10353 No Money Down*

## UNIVERSITY LINE MATCHING TRANSFORMERS

Model 5433-30 watt. Primary 45/165/200/250/1000/2000 ohms secondary 4,8 and 16 ohms; 70 volt line taps $30 / 25 / 20 / 10 / 5 / 2.5$ watts. $13 / 4 \times 21 \% \times 11 y_{0}{ }^{\prime \prime}$ : 279 centers.
44 P 80166 Shpg. wh., $3 y / 4$ 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. $15 / 8 \times 11 / 10 \times 15 /{ }^{5 \prime} ; 2^{\prime \prime}$ centers.
44 P 80174 Shpg. wt., $11 / 4$ lbs. ..................................... Net 5.60
${ }^{\circ}$ See Page 23 for Full Details on Easy Pay Plan

## LAFAYETTE REFLEX HORN SPEAKER



## only $9^{95}$

- Weatherproof
- Non-Ferrous, Non-Corrosive
- Ideal for Indoor, Outdoor, and Marine Communications

Miniature weatherproof reflex speaker that is ideally suited for outdoor and marine paging and portable P.A. systems. Its compact size makes it adjustable to all areas where space is limited. Adjustable non-corrosive swivel bracket permits mounting practically anywhere, and enables rotation of speaker within a $90^{\circ}$ arc. Impedance 8 ohms. Power handling capacity 5 watts. Frequency range $400 \cdot 12,000 \mathrm{~Hz}$. Size: Morn diameter $5 \mathrm{k} / \mathrm{m}^{\prime \prime}$, Depth $3 \mathrm{v} \mathbf{2}^{\prime \prime}$, Imported. Shpg. wt., 2 lbs. 99 P 46435

Net 9.95

## UNIVERSITY REFLEX TRUMPETS AND DRIVERS


(A)
(B)

Mighly elficient air column directional reproducer to give maximum intelligibility in areas of high noise level. Design of units Hsted below provide opt/mum sound distribution pattern, increases sound Intensity along speaker axis dependent upon diameter of horn. Made of heavy gauge spun aluminum, weather proof, gray finish. With universal " $U$ " type mounting bracket, less driver unit. Type GH: 85 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 voice only. For Drivers See Listing gelow. No Money Down*

REFLEX TRUMPETS

| Stock Mo. | Madel | Diam. | Lng. | Air Cal. | Snps. Wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 44 P 80125WX | 6H | 307/8" | 27/8" | 61/2" | 231/4 lbs. | 65.85 |
| 44 P 80133WX | LH | 255/8" | $19^{\prime \prime}$ | 442" | 193/4 lbs. | 42.30 |
| 44 P 80141 W | PH | 201/4" | 153/4" | 31/2" | 111/4 lbs. | 30.63 |
| 44 P 80158W | SMH | 161/4" | $12^{\prime \prime}$ | 21/2" | 8 bbs. | 26.30 |
| DRIVERS |  |  |  |  |  |  |
| Stock No. | Model | Power |  | mp. | Wt. | Net |
| 40 P 80315 | 10-40A | 40 watts |  | ohm | 41/2 lbs. | 28.06 |
| 40 P 80182 | 10-20 | 20 watts |  | ohm | 21/2 lbs. | 18.15 |

## UNIVERSITY PAGING/TALK BACK SPEAKERS



Compact sized, weatherproof, highly efficient speakers for alf PA fixed, and mobilinstallations. With patented "Omnl-Lok" swivel mount-quickly converts for fitting to $1 / 2^{\prime \prime}$ pipe.
Model MIL-A8-Response: $350-13,000 \mathrm{~Hz}$. Impedance: 8 ohms. teeal for low power systems requiring high efficiency. Handles 10 watts. Dispersion: $120^{\circ}$. Size: $71 \mathrm{~K}_{4} \times 6 \% /{ }^{\prime \prime}$. Shpg. wt.; $31 / 4 \mathrm{lbs}$.

## 44 P 80067

Net 21.80
Model 18 -A8. Ideal for fill in applications in high power sound systems and as the main speaker in low to moderate power systems. Response: $250 \cdot 13.000 \mathrm{Mz}$. Handles 30 watts, Impedance: 8 ohms. Dispersion: $90^{\circ}$ Slze: $10 \times 944^{\circ}$. Shpg. wt.. $43 / 4 \mathrm{lbs}$,
44 P 80034
Net 26.40


## "TINY MITE" SOLID-STATE 16 WATT MOBILE PA AMPLIFER

- Real Tiny-Only $13 / 8 \mathrm{H} \times 3516 \mathrm{D} \times 7 / \mathrm{m}^{\prime \prime} \mathrm{W}$
- All Solid-State-No Warmup!
- For 12 Volts DC, Negative or Positive Ground

Ideal for mobile PA applications, the "Tiny Mite" fits into practically all cars and trucks, and features two inputs ( 100 K and 600 ohms) for use with dynamic, crystal, or magnetic microphones, phono pickup, tape recorder or AM radio. Output Impedance: 8 or 16 ohms. Low current consumption: draws maximum of 1.6 ampere from vehicle's battery. Fused for overioad protection. Complete with microphone plug, battery and speaker cables, and under-dash mobile mounting bracket. Imported. Shpg. wt., 21/4 ibs.
99 P 45890 No Money Down*
Net 36.95
Lafayette Solid State 16 Watt Mohile 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 Lafayette's 16 watt solid state miniature mobile PA amplifier, 2 weather-proof 8 watt P.A. trumpet speakers with $90^{\circ}$ dispersion and low impedance matching dynamic push-to-talk microphone. Shpg. wt., 5 lbs .
44 P $90694 W X M$ No Money Down*
Net 58.95
Same system as above except with Allas MO-1 25 -watt weatherproof speaker with fall-safe mobile bracket instead of two horn speakers. 44 P 91031 WxM Shpg. wt., $81 / 4$ Ibs. .........................Net 70.50 You save 3.54 from Individual Catalog Prices

## 100-Watt Hi-Power Outdoor P.A. Systems <br> Ideal For Large Area Coverage

## Consists of:

- Lafayette PA-100A 100-Watt Solid State PA Amplifier
- 2 Electro-Voice PA3OA 30-Watt Outdoor Speakers' - Choice of Deluxe Dynamic Microphones

This outstanding outdoor $P A$ system with Lafayette $99-45981$ deluxe dual-impedance dynamic "pop-proof" microphone with on-off switch, desk stand and 6 -ft. detachable cable. Microphone can also be hand held or mounts on any standard floor stand. Shpg. Wt., 46 lbs.
44 P 92237 WXM No Money Down* ........................Net 183.50
Same system as above plus 2 additional E-V PA30A projector speakers. Shpg. wt., $581 / 4 \mathrm{lbs}$.
44 P 92245 WXM No Money Down* ...........................Net 231.95
Same system as 44-92237WXM except with famous Electro-Voice 664 dynamic cardioid microphone instead of $99-45981$ microphone. Shigg. wt., 46 lbs.
44 P 92252 WXM Nn Money Down*
Net 222.50
Same system as $44-92245$ WXM except with Electro-Voice 664 dynamic cardioid microphone instead of 99-45981 microphone. Wt., 61 lbs. 44 P 92260WXM No Money Down* ..........................Net 270.95


## 100-Watt Portable P.A. Systems With Dual Speakers

## Consists of:

- Lafayette PA. 100 A 100 Watt PA.Amplifier
- Two 30-Watt Heavy Duty 12" P.A. Speakers
- 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" mlcrophone 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., $651 / 2 \mathrm{lbs}$.
44 P 9227 BWXM No Money Down* .........................Net 181.95
Same as above sysiem except with famous Electro-Vcice 664 dynamic cardioid microphone with 15 ft . of cable instead of $99-45981$ microphone. Shog. wt., 66 lbs.
44 P S2286WXM No Money Down*
Net 220.95


## Lafayette Portable P.A. Case

## - 2 Baffles in One Case

- Room For Two 12" Speakers

A sturdily constructed case for amplifier and two $12^{\prime \prime}$ speakers. Made of heavy plywood with reinforced metal corners. Case splits into 2 baffles, each with heavy duty plastic carrving hande. Covered with attractive grill cloth. Has " $Z$ " hooks in each half for carrying speaker cables and provisions for mike and mike base. 4 snap locks. In addition to room for two $12^{\prime \prime}$ speahers, there is ample space for any amplifier and phono top measuring up to $163 / 4 \mathrm{~W} \times 113 / 4 \mathrm{D} \times 10^{\prime \prime} \mathrm{H}$. $173 / 4121 / 4 \times 22^{\prime \prime} 0$. . Shpg. wt., $184 / 2$ lbs.
44 P01618WX
Net 21.95
Buy Any Complete P.A. System on This Page and SAVE MONEY

## LAFAYETTE 100-Watt Solid-State P.A. Amplifier Model PA-100A



## Only <br> $126^{00}$

- 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

Lafayette's 100 watt solid-state P.A. amplifier features outstanding solid-state circuitry design for truly dependable public address long life performance. Its high power and special features make it ideal for use in large meeting areas, factories, department stores, airports, churches, temples, ouldoor 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 micro. phone inputs, a switchable anti-feedback network to minimize feedback and to protect speakers against burnout. In addition the PA-100A incorporates a microphone precedence switch that permits muting of auxiliary inputs when only microphone input is desired, as well as separate mike precedence terminals to permit remote switchable microphone pre cedence with suitable microphone; one tape record output jack plus a common tape 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 a constant level sound system The PA-100A also includes power-on indicator light, AC convenience output and push-to-reset circuit breaker. It is professionally designed for attractive appearance as well as for exceptional utility. Complete with microphone connector and 2 plug-in speaker connectors. For $105-125$ volts, $60 \mathrm{~Hz}, 190 \mathrm{VA}$. Size $151 / 8 \mathrm{~W} \times 5 \mathrm{~V} / 4 \mathrm{H} \times 101 / 2^{\prime \prime} \mathrm{D}$. Imported. Shipg. wt., 29 lbs 99 P46401W No Money Down*

Net 126.00
Desk microphone for remote mike precedence and standard operation 99 P 46096 Shpg, wt., $21 / 2$ lbs.

100-Watt Indoor Public Address Systems
Excellent for: Department Stores, Auditoriums, Airports, Large Meeting Halls, Churches. Temples, etc.


Wall-Mount Speaker Baffle Combinations with $25 \mathrm{~V} / 70.7 \mathrm{~V}$ Transformers


- Lafayette PA-100A 100-Watt Solld State PA Amplifier
- 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
- Choice of Deluxe Dynamic Microphones - Six 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. Shpg.

- Lafayette PA-100A 100-Watt Solid State PA Amplifier
- Two 30-Watt 6-Speaker Sound Column Speakers for Optimum Voice and Music Reproduction
- Choice of Deluxe Dynamic Microphones
- Two 35 ft . Speaker Cables

Above 100 -watt PA system with Lafayette $99-45981$ deluxe dual impedance dynamic "pop-proof" microphone with on-off switch and desk stand. Column speakers are 30t/4" $H \times 7 W \times 31 / 9^{\prime \prime} \mathrm{D}$. Shpg. wt., $593 / 4 \mathrm{lbs}$.
44 P92153WXM
Net 201.50
Column Same system as Speakers x watt column speakers. Shpg. wt., 78 lbs.
44 P 92161 WXM No Money Down* $\qquad$ instead of $30-$
$\qquad$ .Net 237.50 Same system as 44-92161 WXM except with Electro-Voice 664 dynamic cerdioid microphone with 15 ft . of cable instead of 99.45981 micro. phone. Shpg. wt., $781 / 2 \mathrm{lbs}$.
44 P 92179wXM No Money Down*
Net 275.95 $\mathrm{wt} .731 / 4 \mathrm{lbs}$.
44 P 92138 WXM No Money Down*
Net 252.95

Same as above system except with famous Electro. Voice 664 dymamic cardioid microphone with 15 ft . of cable instead of $99-45981$ microphone. Shpg. wt., 74 lbs.
44 P92146WXM No Money Down*
Net 291.95

## LAFAYETTE P.A. AMPLIFIER GUARANTEE

ONE Year Guarantee: All parts guaranteed against defects in material and workmanship for one year. Ship defective parts to us prepaid for replacement or ship amplifier prepaid for repair

LAFAYETTE P.A. AMPLIFIER GUARANTEE
ONE Year Guarantee: All parts guaranteed against defects in materíal and workmanship for one year. Ship defective part to us prepaid for replacement or ship amplifier prepaid for repair

## 50-WATT OUTDOOR PA SYSTEMS



## 50-WATT PORTABLE PA SYSTEMS

## with Dual Speakers

For the Majority of Sound System Applica. tions... School Auditoriums, Churches, Theatres, Dance Halls, Studios, Lecture Halls, etc.

## ${ }_{6}^{6} 154^{50}$

No Money Down*
Consists of:

- Lafayette PA-50A 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.
Shpr. wI., 62 lbs.
44 P 92112WXM ....................Net 154.50 Same as above system except with Shure Unisphere A Cardioid Dynamic Microphone instead of Lafayette microphone. Shpg. wit., $613 / 4 \mathrm{lbs}$.
44 P 92120wXM $\qquad$


## LAFAYETTE 50-Watt Solid-State P.A. Ampifier

## Model PA-50A

only 9795
No Money Down*

- Switchable High and Low Level Mike Inputs
- Anti-Feedback Network
- Tape Recorder-and Booster Amplifier Outputs
- Master Gain Control
- 25 Volt and 70 Volt Constant Voltage Outputs
- 50 Watts Continuous Power (RMS)

Lafayette's 50 .watt solid-state P.A. amplifier combines power with versatility for superb performance in indoor and outdoor applications. Features separate bass and treble controls, master gain control, 2 separate microphone volume controls, mixer control for both auxiliary inputs, and switchable anti-feedback network for minimizing feedback and for protection of speakers. The PA-50A also incorporates a microphone precedence switch and terminals for direct or remote muting of auxliary inputs when only microphone input is desired; one tape record output lack plus a common tape 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 a multiple speaker constant level sound system. The PA-50A also includes power-on light, AC convenience outlet, and push-to-reset circuit breaker. Complete with microphone connector and 2 piug-in speaker connectors. For $105-125$ volts. $60 \mathrm{~Hz}, 90 \mathrm{VA}$, Size: $151 / 8 \mathrm{~W} \times 51 / 4 \mathrm{H} \times 101 / 2^{\prime \prime} \mathrm{D}$. Imported. 99 P 46385W Shpg. wt., 26 Ibs.

Net 97.95
Desk microphone for standard operation and for remote precedence activation of PA-50A, PA-100A, and PA-25A.
99 P 46096 Shpg. wt., $21 / 2$ lbs.
Net 15.75

## 50-WATT INDOOR PA SYSTEMS

Excellent for Large Halls, Department Store Paging Systems, Auditoriums, Supermarkets, etc.

## WITH 12 " HEAYY-DUTY SPEAKERS



## Wall Baffles

Lafayette 99-46039 Dynamic Mikemic Mike with Desk Stand

## Shure

Unisphere A Dynamic Mike


Consists of:

- Lafayette PA.50A 50.Watt PA Amplifier
- 2-12" 30 -Watt ( 60 watts peak) Heavy-Duty Speakers. Each with Tough Industrial Type $11 / 2^{\prime \prime}$ Voice Coil and $11 / 4 \mathrm{lb}$. Ceramic Magnet for Excellent Efficiency
- 2 Sturdy, Attractive Wainut Wall Baffles for Speakers
- Choice of Deluxe Dynamic Mikes
- 2-35' Lengths of Speaker Cable

Above system with Lafayette 99 46039 dual impedance dynamic microphone and $99-45999$ desk stand. Can also be hand held or used with standard floor stand. 110-130 VAC $50 / 60 \mathrm{~Hz}$. Shpg. wt., 49 lbs. 44 Р92294WXM .........Net 144.50 Same as above with Shure unisphere A dynamic "pop-proof" cardioid mike instead of Lafayette micro. phone. Shpr. wt., $47 / 4 \mathrm{lbs}$.
44 P 92302 WXM
.....Net 172.95

WITH $8^{\prime \prime}$ SPEAKER-BAFFLE COMBINATIONS

# LAFAYETTE 25-Watt Solid-State P.A. Amplifier Model PA-25A 

## a". $69^{95}$

- 25 -Watts Continuous Power (RMS), 50 Watts Peak
- Tape Recorder and Booster Amplifier Outputs
- Master Volume Control
- Outputs for 4,8 and 16 ohm Speakers and 25 Volt and 70 Volt Constant Voltage Speaker Installations
- Microphone Precedence Switch
- Antl-Feedback Network

Lafayefte's PA-25A, 25-Watt solid-state PA amplifier will more than satisfy your requirements for dependable performance for medium size meeting rooms, classrooms, entertainment cen. ters, etc. The PA-25A incorporates all the desirable PA teatures plus several other sophisticated characteristics found in much more expensive equipment, i.e.: Controls: Separate Bass and Treble, Master Volume, Microphone Volume, Auxiliary-1, Auxiliary-2, Anti-feedback for minimizing feedback and for protection of speakers, and Microphone Precedence for direct or remote muting of auxiliary inputs when only microphone input is desired. In the rear, the PA-25A features a tape record output jack plus a separate output jack for tape recorder or booster amplifier, 2 speaker output sockets and impedance matching terminals for 4, 8. 16 ohms and 25 -Volt and 70 -Volt constant outputs, an AC convenience outlet, and AC and LC fuses. Complete with microphone connector and 2 plug. In speaker connectors. For 105-125 Volts. 60 Hz . Size $151 / 6 \mathrm{~W} \times 51 / 4 \mathrm{H} \times 101 / 2^{\prime \prime}$ D. Imported. Shpg. wt., $223 / 4 \mathrm{lbs}$.
99 P 46377 W No Money Down*
Net 69.95
99 P 46096 Desk microphone for remote mike precedence operation Wt. $21 / 2 \mathrm{bb}$...Net 15.75

[^15]
# 25-WATT INDOOR P.A. SYSTEMS with HEAVY DUTY 12" SPEAKER 

Includes PA-25A 25-watt P.A. amplifier; Rugged, specially designed hi-power $12^{\prime \prime}$ P.A. speaker; Polished walnut wooden wall baffle; lafayette 99 p 45874 slim crystal microphone with on-off locking switch, desk stand, lavalier cord, cable and removable type floor stand and desk stand adapter; 35 ft . speaker cable. Shpg. wt., $331 / 4 \mathrm{lbs}$. 44 P 92187 WXM No Money Down*
.Net 86.50

## with COLUMN SPEAKERS

Same P.A. system as above except with $301 / 4 \times 7 \times 34 / s^{\prime \prime}$ column speaker Instead of $12^{\prime \prime}$ speaker and wall batfle. Attains extra efficient sound reproduction with 6 internal speakers. Shpg, wt., 373/4 lbs.
44 P 92195WXM No Money Down*
Net 104.95
Above system with extra column speaher and cable. Shpg. wt., 51 lbs. 44 P 92203 WXM No Money Down*

## 25-WATT PORTABLE P.A. SYSTEMS

A complete 25 -watt P.A. portable system that in addition to Lafayette's fine 25 -watt P.A. amptitier, 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 $2 \cdot 12^{\prime \prime}$ speakers; Lafayette 99 P 45874 high impedance slim crystal microphone with on-off locking swltch, with cable, desk stand, removable swivel type floor stand adapter, and lavalier cord: and 35 ft . speaker cable. For $\mathbf{1 0 5}-125$ volts 60 Hz . AC : Shpg. wt., $473 / 4$ lbs.
44 P 92211 WXM No Money Down*

## Same as above except with $2=12^{\prime \prime}$ heavy.duty 15 -watt PA speakers

plus $35^{\circ}$ speaker cable. Shpg. wt., $531 / 4 \mathrm{lbs}$.
44 P 92229 WXM No Money Down*
Net 111.50


## Phono Turntable

4-speed ( $16,331 / 3,45$, and 78 RPM) phonograph turntable. Used alongside of PA-25A, PA-50A, and PA-100A. Takes records up to $12^{\prime \prime}$ Ceramic pickup-turnover type with dual synthetic sapphire stylus Power requirements: 15 watts, 117 volts, 60 Hz AC . Durable finish Size: $123 / 4 \times 93 / 6 \times 41 / 2^{\prime \prime}$ o/a. Shpg. wt. 5 lbs .
44 P 01048 W
Net 18.95

## Famous Name Musical Instrument Speakers

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## 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 171/2 Lbs.
- Rugged Heavy Cast Aluminum Frames
- 3" Aluminum Edge-Wound Voice Coils

MODEL 4178C-12" Professional Quality Instrument Speaker. Power: Will work with amplifiers rated up to 75 watts. Impedance: 8 -ohms, Yoice Coil: $3^{\prime \prime \prime}$, Magnet Structure: $101 / 2$ lbs., Diameter: $121 / \mathrm{a}^{\prime \prime}$, Depth: $55 / \mathrm{a}^{\prime \prime}$. Shpg. wt., 16 lbs.
32 P 38508w No Money Down*
Net 85.00
MODEL 41aB-15" Professional Quality Instrument Speaker. Power: Will work with amplifiers rated up to 100 watts. Impedance: 8 -ohms, Voice Coll: $\mathbf{3}^{\prime \prime}$, Magnet Structure: $101 / 2$ lbs. Diameter: $15 \%_{o^{\prime \prime}}$, Depth: $7^{\prime \prime}$ Shpg. wt., $141 / 4 \mathrm{lbs}$.
32 P 38516 W No Money Down*
Net 95.00
MODEL 421A-15" Professional Quality Instrument Speaker. Specifically designed for the BASS INSIRUMENTS ... Bass Guitars and Organs, Power: Will work with amplifiers rated up to 100 watts. Impedance: 8-ohms, Voice Coil: $3^{\prime \prime}$. Magnet Structure: $171 / 2 \mathrm{lbs}$., Diameter: $15 \%{ }^{\prime \prime}$ ", Depth: 61/3". Shpg. wt., 25 lbs.
32 P 38524W No Money Down* .............................................. 115.00

## utah

> Only Complete With Crossover


- Designed To Boost Vocals Above Instrument Levels Model CJ-40. Voice speaker. Attractive charcoal gray, molded fiberglas. Minimizes feedback, boom and annoying harmonics to create performances that can be heard. 40 watts peak music power Can be mounted on any mike stand (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. 6 Hx 14 Wx $123 / 4$ "D. Shpg. wt., 9 lbs
44 P 10361 W No Money Down*
Net 42.1S


## BIG BANSHEE MODEL CJ-125

Similar to above except 125 watts peak music power. Uses SS-4 Stand below. Response: $100-12,000 \mathrm{~Hz} .13 \mathrm{H} \times 23 \mathrm{~W} \times 19^{\prime \prime} \mathrm{D}$. Shpg. wt., 201/2 lbs.
44 P 10379W No Money Down*
Net 83.10
Model SS-4 weighted base speaker stand. Black wrinkle finish base, chrome steel tubing extends to over 6 ft . Shpg. wt., $173 / 4 \mathrm{lbs}$.
44 P 10387W

# Musical Instruments \& Accessories 



- Lets Anyone Professionally Tune a Guitar in Minutes
- Great For the Beginner

Tune your guitar visually! The easy-to-use vu-pitch tuner with 6 precision tuned reeds works on the principle of sympathetic vibration. When the guitar string is exactly tuned, the vibration 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 guitar rapidly and precisely in a pro. fessional manner. Shpg. wt., $6 \mathbf{0 z}$.
13 P 48507


Average Shpg. wt., $8 \mathbf{o z}$.
(A) Gultar Strings. Set of 6 , plated copper wire wound.

13 P 22536
(A) Nylon Classic Guitar Strings, Set of 6.

13 P 22544
(A) Electric Cuitar Strings. Flat wound, set of 6.

13 P 22528
Net 1.69

13 P 22528
(A) Deluxe Electric Guitar Strings. Gibson, Hat wound hi-fl strings, 2.39 High quality. Set of 6 .

## 13 P 52871 <br> Net 4.95

(A) Bass Strings. Flat wound steel, wrapped in silky black nylon. Set of 4.
Set P 81524
(B) Guitar Picks-6 Flat, 2 Thumb
(B) Guitar Picks-6 Flat, 2 Thumb

13 P 22569
Net .59
(C) Adjustable Foam Padded Guitar Strap.

13 P 22502
Net 1.69
(D) Guitar Pitch Pipe

13 P 22510
Net 1.69
(E) Retractable Guitar Cords with Plugs

13 P 5288910 Ft.
13 P 5289720 Ft.
Net 1.59
Net 2.28
(F) Deluxe Adjustable Bright Sparkle Vinyl Neck Strap for Guitar. Brass Plated Buckie.

Net 3.19
(G) Deluxe Adjustable Embroidered Hootenanny Neck Strap, colorful fabric and leather, brass plated buckle.
13 P88016
Net 2.49

## 4 PIECE GUITAR ACCESSORY KIT

An ideal 4 piece set for the beginnerConsists of: 1 set of (6) Flatwound Guitar strings; guitar pitchpipe; adjustable foam padded guitar neck strap and 8 guitar picks-6 flat and two thumb picks.
13 P 22577 Shpg. wt. 1 Ib. Net 4.95


## GUITAR SELF-INSTRUCTOR FOR THE BEGINNER

## - Book And Record

Book and instruction record for the beginner. Chord sounds and pictures plus "strum" along favorites. Shpg. wt., 6 oz .
12 P 67079
Net 1.50


SMITH'S MODERN ELECTRIC BASS BOOK
Authoritative 4 string electric bass guitar method book 12 P 67095 Shpg. wt. 8 oz.

Net 1.75


## ELECTRO-HARMONIX LPB-1 POWER BOOSTER



Makes your amp up to 10 times louder! This solid-state preamp plugs into the input jack of sour amplifier to boost the output of any electric guitar, bass, organ, or microphone. Increases gultar sustain as well as the performance of fuzz boxes, wah-wah pedals, and formance of fuzz boxes, wah-wah pedais, and
other accessories. Built-in Volume Level control and "Boost/0ff" switch enable you to instantly change from regular instrument output to pre-set boosted output. Completely compatible and modular-use 2 for even more power and sustain! With battery. Size: $3 \times 2 \times 11 /$ b $^{\prime \prime}$. Shpg. wt., 1 lb .
13 P14749
Net 7.95
Extra 9 Volt Battery for Above.
99 P 60212
Net . 31

## ELECTRO-HARMONIX PLUG-IN TREBLE \& BASS BOOSTERS

As Low As


- Increases Performance of Electric Guitars and Basses


## "SCREAMING BIRD" TREBLE BOOSTER

A solid-state treble booster that plugs into your amplifier to give your guitar the screeching penetration of today's heavy sounds. With volume control, "Boost/0ff" switch and battery. Size: $3 \times 2 \times 1^{1 / 8^{\prime \prime}}$. Shpg. wt., 1 lb .
13 P 14723
Extra 9 volt Battery for Above.
99 P 60212.

## "MOLE" BASS BOOSTER

The solid-state "Mole" Bass Booster extracts unwanted highs and amplifies the subharmonics for a deep, resonant, dynamite bass sound. Simply plugs into your bass amp. With Level control, "Boost/Off" switch, and battery. Size: $3 \times 2 \times 11 / \mathrm{B}^{\prime \prime}$
13 P 14731 Shpg. wt., i 1b. ... Net 15.95


Extra 9 Volt Battery for Above.
99 P 60212
Net .31


Streamlined pleasant tone keywound metronome gives both a visual and audible beat timing from 40 to 208 beats per minute. Highly popular among professional musicians, an invaluable ald while practicing or giving Instruction. When set on 40 scale will operate over an hour. Brown case with clear front. Imported. Shpg. wt., $11 / 2 \mathrm{lbs}$.
13 P 66558
Net 12.95


ELECTRONIC METRONOME

Precision instrument, contains 2 complete electronically calibrated beat systems; audible and visual, 40 to 208 beats per minute. Single knob control, calibrated radial dial plus neon light. Wooden cabinet, operates on 115 VAC 60 Hz , Walnut. Shpg wt., $31 / 4 \mathrm{lbs}$.
13 P 44530
Net 21.95

## Musical Instrument Accessories



LAFAYETTE "FUZZ SOUND" $12^{95}$ 씬․ IH

- Make your guitar or bass produce the harmony of several wind instruments!

Add more instruments to your small combo with the "Fuzz" Sound! Create a wide variety of synthesized tones such as those produced by a baritone, or bass saxophone. Battery powered, it easily connects between your guitar, or bass and the amplifier and is operated by an On/Off foot switch. Has two variable control knobs; one for regulating the "fuzz" effect and one for volume and intensity. A supplementary On/Off switch is combined with the volume control to conserve battery life. Fully transistorized, the unit is bullt for heavy duty use and operates on a single penlight battery. A rugged metal case protects inside circuitry. Overall size. $51 / 2 \mathrm{~L} \times 31 / 2 \mathrm{~W} \times 21 / \mathrm{g}^{\prime \prime}$ over. H. Imported. Shpg. wt., $13 / 4 \mathrm{lbs}$.
99 P 91993 Net 12.95
99 P 62580 Battery for above ........ Net . 10

## GRAPHIC EQUALIZER AND REVERB UNIT



Every Group Needs An Audio Spectrum Equalizer-easily connects to any amplifier. Eliminate "hisses," dead spots, flat spots, and acoustic feed back howling from your amplifier. Add or eliminate bottom and highs to a voice or instrument. Can also be used to vary tonal quality of guitar and electric piano. Convert your guitar or Bass amplifier to an acceptable P.A. amplifier. 7 -individually calibrated slide controls for precise frequency selection from 100 Hz . to 7000 Hz . Features Hammond Reverberation unit with deplh control which renders limitless color to your sound. Has on-off switch, volume and tone control, pilot light. Attractive simulated leather grained case with chrome trim. Vinyl cover included. Size: $19^{\prime \prime} \mathrm{W}$ \& $73 / 4^{" H} \times 73 / 4^{" D}$. For 117 volts $50 / 60 \mathrm{~Hz}$. AC. Imported. Wt., $191 / 2 \mathrm{lbs}$. 13 P66533W No Money Down*

Ne§ 174.95

## WAH WAH SOUND and VOLUME CONTROL

- Produce A Wide Variety of Spocial Sound Effects
- Use With Any Electric Guitar or Bass

Produce the Wah-Wah effect of a trumpet or trombone with your guitar or bass, electronically. Add extra instruments to your combo by creating the effect of synthesized tones identical to those of a trombone or trumpet when muted by hand or derby. No reaching down for controls. Large, $842^{\prime \prime}$ footpedal gives you the full range of Wah-wah sounds plus operates as a volume control by depressing a buitt-in switch under the heel of the footpedal. Input jack contains a switch to turn the unit on or off. Operates on 3 " "C celis. Fully transistorized, rugged construction. Imported. Size: $10 \times 31 / 4 \times 3^{\circ \prime}$. 13 P 66301 Shpg. wt., 31/4 Ibs.

Net 30.95
99 P 62572 Battery for above. 3 required. .........Net ea. . 17

## LAFAYETTE 120-WATT PORTABLE PA SYSTEM

 $359^{95}$- Four Separate Channels-with-Volume, Bass, and Treble Controls
- Master Volume Control
- Four 10 Inch Heavy Duty Speakers in Each Column
- FET Solid-State Preamplifier with Vacuum Tube Power Amplifier for Greater Handling Power

This fine portable PA system answers the needs of those who require high power, versatility, and operational flexibllity. The highly developed amplifier combines solid-state and vacuum tube circuits to produce a whopping 120 watts peak music power ( 50 watts RMS at $5 \%$ THO). Four input channels, each with their own volume, Bass and Treble controls, give you added convenience in mixing mikes, instruments, or other sound sources. The Master volume control enables complete control over all four channels with just one setting. The control center also has a neon pilot light, on/off switch and fuse A bridging jack is provided to permit connection of an external reverb, echo chamber or graphic equalizer. The system comes complete with two rugged speaker columns containing a total of eight heavyduty $10^{\prime \prime}$ speakers to handle all the power and sound you can muster. All cabinets are covered with tough scuff resistant heavy-duty vinyl. Speaker cabinet size: $48 \mathrm{H} \times 13 \mathrm{~W} \times 11$ "D. Amplifier size: $9 \mathrm{H} \times 22 \mathrm{~W} \times$ $9^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpg. wt., 108 lbs. 13 P91283WXM No Money Down*

Net 359.95 See Page 180 for Graphic Equalizer.

## Echo Chamber $99^{95}$

An efficient echo chamber that lets you add a little extra "presence" to your group, or up to 6 echo repeats for the wildest echo effect you've ever heard! No need to worry about tapes slipping or breaking, this unit runs on a replaceable endless-loop cartridge tape magazine, A full complement of controls enables you to create your desired effect: Volume, Echo Balance, Echo Repeat Time and Intenslity. And there's an input for an externai footswitch for instant on/off capability. Pre-amp frequency response $30-12,000 \mathrm{~Hz} \pm 3 \mathrm{db}$. Input impedances: Low ( 600 ohms), High ( 47 k ohms). Output impedances: Low ( 1500 ohms ), High ( 3300 ohms ). Size: $5 \mathrm{H} \times 105 / 8 \mathrm{~W} \times 61 / 4$ "D. Imported. 13 P66640w Shpg. wt., 7 lbs. No Money Down*.....Net 99.95 REPLACEMENT CARIRIDGE TAPE MAGAZINE. Shpg. wt., 4 oz.
13 P66657W
CARIRIDGE TAPE MAGAZINE. Shpg. wt., 40 oz.
Net 4.95
Footswitch for Above. Shpg. wt., $1 / 2 \mathrm{lb}$.
13 P 01514
Net 2.99


## LAFAYETTE ENTERTAINER MICROPHONES \& STAND

## (A) CARDIOID DYNAMIC MIKE

A superb dynamic microphone designed for applications where location of performer in reiatlon to speakers causes feedback and reverberation. Highly directional cardioid pattern. Dual impedance: 50 K or 600 ohms, select able by switch. Response: $100 \cdot 10,000 \mathrm{~Hz}$. Mylar diaphragm. On/off switch. Modern design, satin chrome finished die-cast case. For handheid or 5 tand use. Size: $81 / 4 L \times 11 / 2$ "D head, With swivel stand adapter and 20 ft . detach able cord with phone plug at other end. Imported. Shpg. wt., $13 / 4 \mathrm{lbs}$.
99 P 46294 $\qquad$ Net 14.75
[B]DELUXE BALL DYNAMIC MIKE
Nodern design features dual impedanceHigh 50 K ohms, or low 250 ohms. Omni-directional, $100-10,000 \mathrm{~Hz}$. Has on/off switch. Ball screen insures against "pop" and wind blast. Die-cast, finished in satin aluminum. Size: $61 / 4^{\prime \prime}$ long, max. diam, of ball $21 / s^{\prime \prime}$. Complete with detachable 20 ft . cable and phone plug. Black metal desk stand and adapter for any 5/8"-27 floor stand. Imported.
99 P 46203 Shpg. wt., 3 lbs.........Net 18.95


## CATLAS MIKE FLOOR STAND

Model MS.10C Mike stand featuring "Full-Grip" clutch mechanism for fast quiet adjustments. Functionally de. signed base assures maximum stablility plus 3 "antitip" points. Full chrome plated tube assembly. Term. inates in a $5 / 6^{\prime \prime}-27$ thread. Base dia. $10^{\prime \prime}$ finished in gray shrivel. Height adi., 35 to $63^{\prime \prime}$. Shpg. wt., $103 / 4 \mathrm{lbs}$. 44 P 10031 W ........ Net 8.91

# Musical Instrument Amplifiers-Reverb Units 



## 5 WATT SOLID-STATE 245 STUDENT AMPLIFIER

- Three Instrument Inputs
- Volume and Tone Controls

Great for the student or beginner! Features rugged, solid-state circuitry for cool, instantaneous ampliflcation and troublefree operation. Provides 5 -watts peak music power into a heavy-duty specially designed $6^{\prime \prime}$ speaker with excellent clarity and tonal response. Smartly styled control panel has on/off, Volume control and Tone control and three instrument inputs. Attraclively designed sturdy wood construction covert d in water repellent, scuff-resistant black vinyl With carrying handle. Size: $16 \mathrm{Hx} 14 \mathrm{~W} \times 6^{\prime \prime} \mathrm{D}$ For $117 \mathrm{~V} ., 60 \mathrm{~Hz}$ AC operation. Shpg. wt. 9 lbs.
13 P01704W
Net 24.95


## 10 WATT SOLID-STATE $36^{95}$ 'TREMOLO' AMPLIFIER

- Tremolo Speed And Intensity Controls
- 3 Inputs-Foot Switch Jacks

Functional, attractive, all-transistor tremolo ampllfier. 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 pilot light. Housed in a sturdy wood cabinet with jet black vinyl covering and harmoniz. ing grill. Carrying handle. Size: 19 Hx 16 Wx $8^{\prime \prime 1} 1 / 2 \mathrm{D}$. For 117 V ., 60 Hz AC. Wt., $121 / 2 \mathrm{Ibs}$. 13 P 01712 W No Money Down*...Net 36.95 Foot Switch for Remote Control of Tremolo. 13 P 01514 Shpg. wt., 1/2 Ib. .Net 2.99


12 watt soliostate $44^{95}$ BASS AMPLIFIER

10" Heavy Duty Speaker

- 3 inputs-Volume/tone Controls

Excellent charce for the student. 12-watt peak music power output. Rugged dependability with 10" heavy duty bass speaker: front mounted volume and tone controls for easy access. Inputs for three instruments! Solid state circuitry for instantaneous re sponse and trouble-free operation. Pilot light Cabinet is sturdily constructed of wood with a scuff-resistant, black vinyl covering. Hand. some matching grill. Carrying handle; rub. ber feet. Size $16^{\prime \prime} \mathrm{H} \times 19^{\circ} \mathrm{W} \times 8^{\prime \prime} \mathrm{D}$. For 117 V ., 60 Hz AC operation. Shpg. wt., 14 lbs. 13 P 24649W No Money Down* .. Net 44.95

## LAFAYETTE SOLID-STATE "ECHO-VERB" REVERBERATION UNIT



- "Add-on" Reverb Unit for any Musical Instrument Amplifier or P.A. System
- Inputs for Mike and Instruments

Simulates the full sound top artists get! Compact, lightweight, transistorized reverberation unit creates a new dimension in audibility to overcome dull, flat ordinary sound. Can be used with any instrument amplifier, or P.A. system. Minutes to connect, the "Echo-Verb" may be used for sound effects. Has inputs for mike and/or instrument-plus a foot switch input to cut reverberation in or out from a remote location, pilot light and a reverb mix control that lets you select whatever intensity of reverberation you desire. With reverb mix control in the "Off" Dosition, standard sound will be heard from the amplifier. With on/off switch. For 117 V.. $50 / 60$ Hz AC. Size $33 / 4 \mathrm{H} \times 111 / 2 \mathrm{~W} \times 61 / 2^{\prime \prime} \mathrm{D}$. Imported. Shipg. wt., $31 / 2 \mathrm{lbs}$. 99 P 92025W ...............................................................Net 23.25 Foot switch for Remote Control of "Echo-Verb." Shpg. wt., $1 / 2 \mathrm{lb}$.
13 P 01514 ................................................................. 2.99

## LAFAYETTE TWO-CHANNEL "ECHO-VERB 11" REVERBERATION UNIT



## - 4 Inputs Mix and Fade

- Master Reverb Intensity Control
- Separate Volume Controls For Each Channel
"Echo-verb II" offers full, dynamic reverberation, comparable to protessional sound, in a lightweight, 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 "EchoVerb $\|^{\prime \prime}$ also features a pilot 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/receiver. Simulated black pebble-grain leather enclosure with leather strap. Size: $33 / 4 \mathrm{H} \times 111 / 2 \mathrm{~W} \times 61 / 2$ " D For 117 VAC 50-60 Hz. Imported. Shpg. wt., $31 / 2 \mathrm{lbs}$.


## Instrument Amplifiers



## 60-Watt Solid-State "Piggy Back" Bass Amplifier

- Heavy Duty 15" Special Design Speaker
- For Use With Electric Bass, Regular Guitar, Accordion and Combo-Organ
- 2-Instrument Inputs

Gives full bass and vibrant sound with a minimum of distortion. Powerful 60 watt peak music power amplifier-( 20 W. RMS @ $5 \%$ HD) is ideal for use with electric bass or standard guitars, and combo organs. All solid state circuitry ( 5 -transistors and 4 -silicon rectifiers) provides excellent sound. Features a specially designed 15 " speaker with a wide range response. High and low gain inputs separate volume and tone controls allow complete operating flexibility. Has On-Off switch plus pilot light and fuse. Two units; speaker and amplifier in matching black vinyl covered wood enclosures with handles. Size: Amp. $43 / 4 \mathrm{Hxl4W} \times 18^{\prime \prime} \mathrm{D}$; Speaker, $227 / 8 \mathrm{Hx} 18 \mathrm{~W} \times 11^{\prime \prime} \mathrm{D}$. For $117 \mathrm{~V} 50 / 60 \mathrm{~Hz} \mathrm{AC}$.

13 P 01548wX Shpg. wt., 46 Ibs
Net 109.95

Big Bass Sound

## 150 WATT $234{ }^{95}$ <br> No Money Down*



## 150-Watt "Piggy Back" Bass Amplifier

- Two Powerful 12" Special Design Heavy-Duty Snmakers With 20 Ounce Alnico Magnets
- Full Range Controls Allow Usage With Bass, Accordion, Piano, Organ, Guitar, etc
A newly designed super-bass energy powerhouse with two powerful $12^{\prime \prime}$ heavy-duty speakers and wide-range response. Utilizes a transistor driven, tube powered circuit to develop 150 -watts of peak music power - ( 50 W . RMS. © $5 \%$ HD.) Offers a great amount of flexibility providing controls for Volume, Bass, Treble, Hi-boost, and Lo-boost as well as three inputs with individually adjustable input levels. Chassis design features include the use of 4 new type "FET" transis. tors in the preamp stage for higher gain and better performance. This is coupled to a tube-type amplifier using massive transformer stages and assures dependable high-powered performance, Rugged acoustic wood speaker cabinet and "piggy back" amplifier (sits neatly on top of speaker cabinet) are covered with a hard wearing scuff-proof black vinyl. Heavy black and silver acoustical cloth combine for a tough hard working solid bass amplifier package. Speaker cabinet size: 30 H $\times 221 / 2 \mathrm{~W} \times 131 / 2^{\prime \prime} \mathrm{D}$; Amplifier size: $9 \mathrm{H} \times 22 \mathrm{~W} \times 9^{\prime \prime} \mathrm{D}$. For 117 VAC, $50-60 \mathrm{~Hz}$ 13 P 01746 WX Shpg. wt., 88V/ Ibs.

Net 234.95 Dolly tor adove amplifier
13 P 01498W Wt., 61/2 Ibs
Net 11.95

## 18 Watt Solid-State "Tremolo-Reverb" Amplifier

- "Revert"* For Echo-Like Effect
- Tremolo For Pulsating Sound
- Tremolo Speed/Reverb Depth Controls
- Heavy-Duty 8" Speaker

Impressive 18 -watt solid-state peak music power- $6 \mathbf{6 W}$. RMS @ 5\% HD) reverb and tremolo amplifier with selfcontained $8^{\prime \prime}$ heavy-duty speaker. Slanted, front-mounted control panel features "easy-to-reach" controls for Volume, Tone, Reverb, Tremolo; 3 instrument inputs; reverb and tremolo foot switch input jack; bright-glow pilot light. Housed in an attractive sturdy vinyi covered wood cabinet with carry handle and grill cloth. Size: $181 / 2 \mathrm{H} \times 13 \mathrm{~W} \times$ $61 / 2^{\prime D}$. For 117 V fi H p ar. Imported. Shpg. wt., 14 lbs .
13 P66616W ............................................................ 54.95
Dual Foot Switch for remote control of tremolo and reverb. Shpg. wt., $11 / 2 \mathrm{lbs}$.
13 P01506 $\qquad$ Net 5.19

18 WATT $54^{95}$
No Money Down*

# LAFAYETTE Deluxe Musical 

## 150-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
Piggy back amplifier with 14 silicon transistors plus silicon rectifier and heavy-duty power and driver transformers provides 150 -watts peak music power- (50 W. RMS @ 5\% HD). Closed back speaker designed to project low end response. Two 12" Heavy-Duty speakers plus a high frequency horn results in tremendous reproduction of brilliant highs, deep lows and solid midrange. Excellent for lead or rhythm guitars. Two channels with high and low level inputs. Separate volume and tone controls for each channel. Depth control for reverb. Intensity control for tremolo clrcuit. 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 size: $7 \mathrm{H} \times 221 / 2 \mathrm{~L} \times 103 / 4^{\circ} \mathrm{D}$. Speaker cabinet size: $27 \mathrm{H} \times 231 / 2 \times 111 / 2^{\prime \prime} \mathrm{D}$. For 117 VAC $50 / 60 \mathrm{~Hz}$.
13 P 01647 WX Shpg. wt., 68 Ibs
.Net 233.00
Dual Foot Switch for Remote Control of Tremolo and Reverb.
13 P 01506 Shpg. wt., $11 / 2$ ibs. ...........................................
5.19

Dolly for above amplifier
13 P 01498 W Wt., G1/2 lbs.
Net 11.95


## 75-Watt Solid-State <br> "Reverb-Tremolo" Twin Speaker Amplifier

-2-10" Heavy Duty Special Design Speakers

- Puisating "Tremolo" for "Go-Go" Effect
- Hammond "Reverb" Unit For Echo-Like Effect

Get faithful reproduction of every note. Excellent for guitar, organ and vocal use. Has special heavy-duty speakers. All Solid-State 10 transistor circuitry provides excellent performance. 3 instrument imputs for guitar, microphone, and organ. Powerful 75 watt peak music power amplifier-( 25 W . RMS @ $5 \% \cdot H D$ ). 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 reverb controls; on/off switch; pilot light and carrying handle. Sturdy wood case covered in shimmering black vinyl. Size: $25 \mathrm{H} \times 183 / 4 \mathrm{~W} \times 81 / 2^{\prime \prime} \mathrm{D}$. Imported. For 117 Volts, $50 / 60 \mathrm{~Hz}$. AC. Shpg. $\mathrm{wt}_{4}, 381 / 2 \mathrm{lbs}$.

## 13 P 01696 W

Net 134.95
Dual Foot Switch for Remote Control of Tremoio and Reverb. 13 P 01506 Shpg. wt., $11 / 2$ Ibs. ...............................


- '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. Foot switch jacks for remote control of tremolo and reverb. 45 watt peak, music power-( 15 W. RMS @ $5 \%$ HD), AC amplifier chassis utilizes 5 dual tubes equivalent to an 8 tube circuit, plus solid state rectifiers for reliable operation. Also has pilot light. on/off switch and fuse. Sturdy wood cabinet covered in black vinyh. Size: $22 \mathrm{H} \times 1$ : $\mathrm{W} \times 81 / 2^{\prime \prime} \mathrm{D}$. For 117 VAC $50-60 \mathrm{~Hz}$. Imported.
13 P 01662 W Shpg. wt., $291 / 4$ Ibs.
Net 89.95
Dual Foot Switch for remote control of tremolo and reverb. 13 P 01506 Shpg. wt., $11 / 2$ lbs. .................................. Net 5.19



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## CONCERT SIZE CLASSIC GUITAR

Magnificent sounding classical guitar! Has 19 fret fingerboard for wide scaling. Sound hole features a beautifully engraved mosaic decoration. Attractive Spanish styled bridge is an authentic classical design. In addition, this concert size classical guitar has 6 precision tuning machines with plastic roller, slotted headpiece, and a stee! reinforced neck. Back and sides are finished in highly polished mahogany-top is made of natural white spruce. $3 y / 4$ "D. Nylon strings. Imported Shpg. wt., 8 lbs.
13 P 66137WUX
.Net 29.95
Sturdy Case tor Above Guitar
13 P 52913 WUX Shpg. wt., 4 Jbs, ....Net 9.95

JUMBO COUNTRY AND WESTERN
Rich deep bass and clear treble tones are built-in this jumbo size model. Made of carefully selected woods-resonant hand rubbed maple back and sides, and close grained. antique colored spruce top. Genuine "Nato" wood adjustable neck with celluloid bound rosewood fingerboard; inlaid pearl position markers; 20 nickel silver frets. Rosewood adjustable bridge, black pickguard with flowered design. Individual tuning pegs. $40^{1} \mathrm{~K}_{6} \mathrm{~L} \times 161 / 2 \mathrm{~W} \times 41 / 4^{\prime \prime} \mathrm{D}$. Steel strings. Imported. Shpg. wt., 10 lbs .
13 P 52814WUX No Money Down* ..Net 69.95 Case for above guitars. Shpg. wt., $91 / 4 \mathrm{lbs}$. 13P52830WUX

## GRAND CONCERT FOLK GUITAR

Folk guitar made of beautiful, carefully selected natural white spruce top, mahogany sldes, and highly polished light mahogany color back. Features adjustable reinforceud thin neck; all white celluloid-bound edges of neek, top, and back of body; mosaic irlay around soundhole; moderate celluloid guardplate; rosewood pin bridge and solly oval rosewood fingerboard. 6 infald square type larger position markers. Matching heads have white buttons. Size: $393 / 4 \mathrm{H} x$ $147 / \mathrm{BW} \times 33 / 4 " \mathrm{D}$. Imported. Shpg. wt., 6 lbs. 13 P 24664wUX No Money Down* ..Net 38.95 Case for above guitar. Shpg. wt., $74 / 4$ lbs. 13 P 24672 WUX $\qquad$ Net 9.95

## 7 Piece 'Beginners Outfit'

## Complete Outfit Only $24^{95}$

- Everything You Need Including Beginners Record Course and Book

Nicely finished with open headpiece and pinless bridge. Can be used either as nyion string classic or steel string Folk guitar. Steel reinforced neck. Guitar has hardwood body with blonde top. Highly polished finish with design around sound hole. Comes complete with nylon and extra set of steel strings, Vinyi zippered carrying bag. neck cord, pick, instruction book and record course. Size: $361 / 4 L \times 13 W \times 31 / 200$. Imported. Shpgwt., 6 lbs.
13 P 52921 wux
Net 24.95



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-almost equals 75 watts of ordonary light. Easily mounts over paintings In windows, etc., with multi-positional mounting "Key Hole" type slots. Throws its mystifying illumination as far as 25 feet or more. Exciusive added feature of Solid-State "Strobe" (pulse) circult for adjustability of on-off rate. Enables you to synchronize illumination with the rhythm of your music for extraordinary effects. Jet Black cabinet. Size: $41 / 2 \times 18 \times 4^{\prime \prime}$. Shpg, wt., 9 lbs.
21 P 25458 W Model BLS -10 Kit
Net 24.95
21 P 25466W Model BLS-10 Wired No Money Down* Net 34.95

## Model 4600 "Light Sequencer"



Remember the "moving" lights on the theatre marquee? With the EICO 4600 you can produce, in any custom serlal arrangement of any color lamps, a similar sequence of "on-off" states that create the appearance of light "running around" In that configuration. The Speed Control makes possible a wide latitude of sequencing or light "chasing." All solid-state design. 3 lamp channels-up to 150 watts maximum per channel. Maximum wattage per channel 150 watts. Size: $31 / 2 \times 6 \times 3^{\prime \prime}$.
21 P 25953 Model 4600 Kit wt., $11 / 2$ lus............. Net 19.95
21 P 25961 Model 4600 Wired wt., $11 / 2$ lbs.......... Net 29.95


# COLOR LIGHTS, STROBES AND ACCESSORIES 

(B)

4-Color Sound Actuated Color Lights $34^{95}$
"Color Column" Audio Lights


- $21^{\prime \prime} \mathrm{H} \times \mathrm{T}^{\prime \prime} \mathrm{D}$ - Full Spectrum of Abstract Color Lighting
(A) 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 everchang. ing, interweaving, and blending to produce fantastic, spontaneous, frequency synchronized multi-color patterns to the music reproduced by your speakers. Connects in seconds to your HI -Fi system or guitar amplifier without any loss in sound quality or volume. All solid state inte. grated circuitry. Handsome walnut vinyl covered wood cabinet. Size: 30x15x11". For 117 VAC 60 Hz. Shp. wt., 23 lbs.
21 P 03000WX No Money Down*.. Net 59.95
(C)

3-Sided Prismatic Color Audio Lights $24^{95}$
(C) Color Lights priced to fit your budget. One piece 3 sided prismatic lens produces a panorama of colors that have a 3 dimensional effect. Solid state electronic control transposes music sound impulses into multicolor flashing fight patterns. Hooks up to speaker leads of any sound source. For 117 VAC 60 Hz . Size $18 \times 11 \times 7^{\prime \prime}$. Walnut vinyt grained wood cabinet. Shpg. wt., $81 / 2$ lbs.
13 p 75526 W

Net 24.95
(B) Top quality, 4 -color, solid-state sound activated color organ. You can actually see every note and tone converted to a brilliantly moving panorama of colored, dancing images with each note and tone produced by the music. Flashing red, blue, green and yeilow colors create an entertaining display of multi-color, 3 -dimensional spontaneity which varies to the amplitude of the sound source. Hi/low inputs allows you to adjust for music power fevels; exclusive 4 -in-1 color control. Housed in walnut wood grained cabinet. For 110 VAC 60 Hz . Size: $24 \times 12 \times 10^{\circ}$.
21 P 25904 W Shpg. wt., 15 lbs. ...... Net 34.95 WIRELESS 4 COLOR AUDIO LIGHTS. Same as above except with built-in microphone. No speaker leads to connect. Size: $24 \times 12 \times 10^{\prime \prime}$. 21 P 26084 W Shpg. wt., 10 ibs.... Net 39.95
(D) Handsome table-top color columns only 21 "Hx 7"D. Magnificent abstract color images in everchanging motion. These unique color cylinders, make flashing patterns of colored lights pulsating to the rhythm of your music. Hooks up to the speaker leads of your Hi -fi system, tape recorder, or guitar amplifier. Column is constructed of prismatic polystyrene plastic with "Brite" chrome base. For 117 VAC. Shpg. wt., 7 tbs. 13 P 75534 W No Money Down* Net 44.95

Electronic Strobe Light

- Fully Transistorized
- Variable Rate Control - Includes Red, Blue, and Yellow Filters
A compact electronic strobe light unit in attractive walnut finished cabinet. Use for special lighting effects in photography, combo groups, of discotheques. Adjustable speed control can be varied to the beat of music from 1 to 10 flashes per second. A 4-inch chrome reflector, clear plastic lens cover and Xenon tlash tube deliver a powerful light tlash over a $60^{\circ}$ arc. For 117 VAC 60 Hz . Size $51 / 2 \mathrm{Hx}$ $51 / 2 W \times 45 /$ 月 $^{\prime D}$. Shpg. wt. 242 lbs . 21 P 26092 .........et 19.95


Transform a large room into a total light-sound enyironment! Translates musical 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, tow, medium and high, by 3 separate, transistorized frequency selective ampliflers. Accepts nine 150 watt or elghteen 75 watt lights at once; on/off switch; 3 Intensify adjustments; on/off pilot light and three channel indicator lights. For $110-120$ VAC, 15 amps . max, 13 P 48002 Shpg. wt., 3 lbs, No Money Down* .. Net 39.95

# NEW! <br> Lafayetie Solid-State MMFW Digital Clock Radio 

- Large Leaf-Type Digital Clock •2-Hour Sleep Timer with Automatic Shut-0ff
- Lighted Clock Face Built.In FM and AM Antennas
- Built-In AFC For Driftless FM Reception
" $29^{95}$
IN HANDSOME WALNUT GRAIN CABINET

Low-cost quality AM/FM digital clock radlo. Solid-state engineering for accurate and dependable performance. 2-hour Sleep Timer with automatic shut-off. Preset 24 -hour AM or PM music wake-up system. Soft-glow illuminated clock face. Built-in AM and FM
antennas. Pushbutton control for manual or automatic operation. Easy-to-view cylindrical AM/FM tuning dial. AFC for driftless FM reception. Slize: $31 / 2^{\prime \prime} \mathrm{H} \times 141 / 4^{\prime \prime} \mathrm{W} \times 5^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpg. wt. 5 lbs. 17 P 02539W

## LAFAYETTE SOLID-STATE AM/FM

## DIGITAL CLOCK RADIO with SLIDE CONTROLS

This superb performing solid-state AM/FM clock radio features the deluxe General Time back-lighted digital movement - a light shines thru the clock numbers making it easy to read the time 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 $31 / 2^{\prime \prime}$ speaker assures rlch full bodied sound. Built-in AFC keeps FM stations from fading in and out. FM antenna is built into the AC line cord for sensitive FM 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 walnut side panels. Operates on 117 V AC, 60 Hz . Size: $93 / 4^{\prime \prime} \mathrm{W} \times 51 / 2^{\prime \prime} \mathrm{D} \times 31 / 2^{\prime \prime} \mathrm{H}$. Imported. Shpg. wt., $3^{3 / 4}$ lbs. No Money Down*

17 P 01150 W

- See Page-23 for Full Details on Easy Pay Plan

Net 34.95

- Large, Easy-To-Read Digital Clock Numerals
- Full Feature Back-Lighted Digital Movement
- 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 Snooze Button


# NFWLAFAYETTE Solid-State AM/FM Digital Clock Radio <br> Featuring Built-In Tuneable 162.164 MHz <br> FM/VHF Weather Radio Network Band 

## $30^{95}$ <br> with earphone

- 90 Minute Sleep Timer with Automatic Shut $0 f f$
- 24 Hour AM-PM Timer
- Lighted Digital Clock
- Illuminated Slide Rule AM/FM Tuning Dial
- Wide Range $31 / 2^{\prime \prime}$ Speaker for Fine Tonal Quality
- Telescopic Antenna for Weather Reception

A fine performing solid-state digital clock radio that tunes the standard AM and FM bands, and also receives U.S. Weather Bureau National Weather Forecasts and weather observations on 162.40 and 162.55 MHz FM, VHF Band 24 hours a day. (Consult your local weather bureau for exact operating frequency in your area). Separate 24 hour timer for waking you up to music at a preset time. A 90 minute sleep timer will
automatically shut the radio off. Built-in AFC for drift-free reception. Built-in AM and FM antennas. In handsome walnut vinyl wood cablnet with midnight black and silver front panel. Supplied with earphone for private listening. Size $123 /$ g $^{\prime W} \mathrm{~W}$ x $41 / 4 " \mathrm{H}$ $x 61 / 2^{\prime \prime} \mathrm{D}$. For 120 VAC, 60 Hz . Imported. Shpg. wi., 7 Jbs.
No Money Down
99 P 35388W
Net 39.95


## Deluxe LAFAYETTE Solid-State AM/FM Digital Clock Radio

## Features Deluxe General Time Clock and Rosewood Swivel Pedestal Base

49

- Full Feature Backlighted Digital Movement
- Wake up to Music, or Music Followed by an Alarm 15 Mlnutes 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 oft. ered. Handsomely styled on a Rosewood pedestal swivel base with Rosewood side panels. Features the deluxe General Time clock with backlighted digital movement that provides large easy-to-see numerats A blackout slide-rule dial lights up when the radio is on. Separate precision sliding controls for Tone and Volume. Front panel clock lever control for on, off, auto, and alarm. Convenient "sleep" 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 alarm 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 $4^{\prime \prime}$ wooter and $2^{\prime \prime}$ tweeter with crossover network. Built-in AM and FM AC line cord amtenna. Size: 12" $\times 5^{\prime \prime} \times 31 / 2^{\prime \prime}$. For 117 VAC, 60 Hz . Shpg, wt., 6 lbs. imported.
No Money Down*
17P01911W
Net 49.95

## Wake Up <br> to Music with Quality Clock Radios

 Low Profile AM/FM Clock Radio with Tone Control

ONLY $32^{95}$<br>with Earphone for Private Listening

This fine performing radio has lighted clock face and tuning dial. The large $31 / 2^{*}$ wide range speaker provides magnificent tone. AFC on FM prevents station drift. Advanced Solid-State circuitry. Continuous tone control. Built-in AM and FM antenna. Earphone for private listening. Walnut veneer cabinet measures $91 / 2 \times 5 \times 3^{\prime \prime}$. Imported. For 117 VAC 60 Hz . Shpg. wt., $41 / 2 \mathrm{lbs}$.
17 P 02356 No Money Down*
Net 32.95

- Handsome Walnut Wood Cabinet
- Instant-On Solid-State Circuitry
- Full Feature Telechron Clock with Alarm, 2 Hour Sleep Switch, And 10 Minute Snooze Button


## PANASONIC RC-6551 Digi-Dater FM/AM Digital Clock Radio

## BUILT-IN DAY AND DATE CALENDAR



With Earphone

24-hour full feature digital clock. 60 -minute sleep timer with automatic shut-off. Music or gentle alarm wake-up. Auto/alarm Indicator light. Extra-wink "nap-bar." Solid-State integrated circuitry. Built-in FM and AM antennas. AFC on FM. Illuminated radio and clock dials. $4^{\prime \prime}$ dynamic speaker. Earphone/ pillow speaker jack. For 117 VAC, 60 Hz . Size: $51 / 2 \mathrm{H} \times 14 \mathrm{~K}, \mathrm{~W} \times 6 \mathrm{~V} / \mathrm{s}^{\sim} \mathrm{D}$. Shpg. wt., 8 lbs . Imported.
17 P 31108 No Money Down* Net 64.95

NEW! Panasonic RC-1122 SOLID-STATE AM DIGITAL




SOLID-STATE AM CLOCK RADIO $15^{95}$

- Big 3" Speaker - Compact Styling
- Precision Automatic Clock
- Pushbutton Controls For Easy Operation

[^16]Wake up to beautiful music or news at a pre-set time. Compact, low profile, decorator design. Ideal for bedside, table, bookshelf, or desk. The full size clock makes for easy, accurate time telling. Only $41 / 4 \times 83 / 4 \times 3^{\prime \prime}$. Attractive walnut-grained plastic cabinet. You will enjoy sensitive AM reception on all your favorite stations. Features powerful 3" speaker for fine tonal quality. Automatic gain control circuitry, and built-in AM antenna. Solid-state circultry for instanton play. No warm-up. For 110 VAC 60 Hz . Imported. Shpg. wt., $23 / 4 \mathrm{lbs}$. circuitry, and built-in AM antenna. Solid-state circuitry for instant-on 17 P 69454

Net 15.95

# KLH • PANASONIC • JVC Solid-State Table Radios 



PANASONIC RE6137D FM-AM Table Radio



Fine quality table radio for kitchen, bedroom, or den. Compact cabInet design. Sensitive FM/AM reception. Built-in FM and AM antennas. $3^{\prime \prime}$ dynamic speaker. Large circular easy-to-read tuning dial. Pushbutton band selector and $0 \mathrm{ff} / \mathrm{On}$ power controls. Solid-state engineered for years of listening pleasure. Size: $53 / 4 \mathrm{H} \times 9 \mathrm{~W} \times 3 \% / 16^{10}$. For 117 VAC, 60 Hz . Imported. Shpg. wt., $21 / 2 \mathrm{Ibs}$.

Net 24.88

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 ferrife bar antenna. Ivory plastic cabinet. Size: $41 / 2^{\prime \prime} x$ $81 / 4^{\prime \prime} \times 21 / 2^{\prime \prime}$. For 110 VAC 60 Hz . Imported. Shpg. Wt., 2 lbs.
17 P 69447
Net 8.95
Beautiful, gracefutly designed FM/AM Table Radio features rich tonal quality from its large $4^{\prime \prime}$ full range dynamic speaker. Its smart, functional low profile styling will be a pleasing addition to the decor of any home or apartment. Dependable and reliable solid-state semiconductor circuitry. Precision sliderule tuning. AFC for drift-free performance on FM. Built-in AM and FM antennas. Handsome high impact antique white plastic cabinet with black trim. Size: $12 \times 5 \% \times 47 / 9^{\prime \prime}$. Imported. For $110-120$ VAC 60 Hz . Shpg. wt., 5 lbs .
17 P 31074
Net 29.88


- Large 3" Dynamic Speaker
- Direct Dial Tuning



## NEW! Deluxe LAFAYETTE 3-Band Solid-State AM/FM/ Weather Table Radio

A deluxe $A M / F M$ table radio that also tunes the U.S. Weather Bureau Radio Network System on the FM/VHF Band $(162-164 \mathrm{MHz})$ at the touch of a button. Receive the latest official U.S. Weather Bureau forecasts and weather observations for your area. Check your local Weather Bureau for exact operating fre quency. All solid-state circuit employs 11 transistors, 13 diodes, tuned RF FM amplifier and 3 IF stages. AFC for driftfree FM reception. IC audio section and a big $5^{\prime \prime}$ speaker provide full, rich tone. Cabinet is crafted of beautiful $3 / \mathbf{/ 月}^{\prime \prime}$ wal-
nut wood. Illuminated vertical slide rule AM/FM tuning dial, and a pushbutton for instant Weather Bureau reception. Rear panel has terminals for external FM antenna, external speaker, tape recorder output jack, and fine turing control for precise tuning of the Weather Bureau station in your listening area. Built-in AM and FM antennas, with whip antenna for Weather Band. Size: $15 \mathrm{~W} \times 8 \mathrm{H} \times$ $51 / 2^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., $103 / 4 \mathrm{lbs}$.
No Money Down* 99 P 35651 W $\qquad$ ................ Net 44.95

ONLY

$44^{95}$
In Handsome Walnut Wood Cabinet

- Tuned RF FM and 3 IF Stages
- Tape Recorder Output Jack
- External Speaker Jach
- Telescopic FM.VHF Antenna
- AFC For Drift-Free Reception


Beautiful white contemporary cube-shaped VHF/TV/FM radio adds a touch of elegance wherever it is used. Its solid-state circuitry receives the sound portion of all VHF/TV channels (2-13) as well as the full band of FM radio stations. Fully portable-can be operated anywhere. $3^{\prime \prime}$ dynamic speaker delivers a full range of deep, clear sound. Built-in telescopic VHF and FM monopole antenna that pulls in signals sharp and ctear. Includes an earphone jack and a private earphone for late night listening, Operates on 4 " $C$ " batteries (included). Imported, Size: $5 \mathrm{H} \times 5 \mathrm{~W} \times 5^{\prime \prime} \mathrm{D}$.
17 P 82002 Shpg: wt., 3 lbs.
Net 29.95

- See Page 23 for Full Details on Easy Pay Plan

NEW! PANASONIC Model R-47 AM Portable/Table Radio


Bold modular design, offset by a sculptured pedestal base, give: this unique AM portable table radio a look of functional simplicity. it's perfect for any desk, table, or counter top, and battery powered for portability. Built-in to the white cube-shaped cabinet is a ferrite core antenna, $2 \mathrm{~J} / \mathrm{A}^{\prime \prime}$ dynamic speaker, and earphone/external speakejack. Comes complete with 9 -volt battery, personal earphone, pedes-
 17 P 31264

Net 14.88
99 P 60212 Extra 9-Volt Battery for R-47 ........ Net ea. .31
Lafayette Cat. No. 730
163


# NEW LAFAYETTE SR-10 Solid-State AM/FM Stereo Modular Receiver System <br> ONLY <br>  <br> 05 <br> No Money Down* 

Beautifully designed and styled modular system features a quality AM/FM Stereo Radio in a handsome walnut wood cabinet and two matching 5 " wide-range compliance speaker systems. Advanced solidstate circuitry provides high quality performance. Precision blackout and illuminated slide rule tuning dial. A special FM Stereo sensing circuit in the radio provides automatic switching to mono or stereo reception, depending on the broadcast. An FM Stereo Indicator Light will illuminate when an FM stereo station is being received.

Built-in AFC (Automatic Frequency Control) to prevent FM station drift. Individual slide-lever controls for Bass, Treble and Balance. Provisions on the rear panel for connecting a record changer or tape player. Tape Output jacks are also provided for connecting a tape recorder. Each speaker system is equipped with an 8 ft . audio cable and connector. Size of AM/FM Radio: $133 / 4$ $W \times 91 / 40 \times 4 \frac{3}{3}$ "H. Size of each Speaker System: $93 / 4 \mathrm{H} \times 75 / 8 \mathrm{~W} \times$ $41 /{ }^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpg. wt., $171 / 2 \mathrm{lbs}$.
99 P 02883W

LAFAYETTE MC-22 4.SPEED AUTDMATIC RECORD CHANGER ENSEMBLE


Ideal stereo record changer for use with the SR-10. Comes pre-mounted on a simulated black leather base with walnut viny! trim, heavy-gauge tinted plastic dust cover, and diamons needle cartridge. (See Page 85 for complete description of MC-22). Shpg. wt., 10 Ibs.
21 P 01772 W No Money Down*- Net'34.95

# Exclusive from LAFAYETTE Deluxe "GUARDIAN 7000" Multiband Portable Radio - 3 <br> <br> - FM/UHF Ultra-High $450-470 \mathrm{MHz}$ <br> <br> - FM/UHF Ultra-High $450-470 \mathrm{MHz}$ <br> - FM/VHF High 147-174 MHz <br> - FM/VHF Low $30-50 \mathrm{MHz}$ 

# LAFAYETTE "GUARDIAN 6000" 6-Band Battery/Electric AM-FM-Police-Aircraft-Marine Portable Radio 



- Individually Tuned Circuits
- Instant-on Solid-State Circuitry


## TUNES 6 BANDS



Optional Mounting Bracket for Marine use so that Radio can be secured.

1 LW: 180-380 kHz Beacon Band
2 AM: 540-1600 kHz Standard Broadcast
$3 \mathrm{MB}: 1.6-4.0 \mathrm{MHz}$ Marine Band
4 FM: 88-108 MHz Standard Broadcast
Professionally designed 6-band portable radio with individually tuned circults 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 Hz AC with built-in AC line cord for home use. In addition the Guardian " 6000 " also has Radio Direction Finding Facilities. This will permit the boat owner to obtain bearings from marine beacon stations on the Long 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 visual bearings. Other features include a combined Tuning Meter/ Battery Condition Indicator: adjustable tetescoping whlp antenna

5 AlR: 108-136 MHz AM/VHF Aircraft
6 POLICE: 147-174 MHz/VHF High Band Public Service and U.S. Weather Bureau Forecasts \& New VHF/FM Marine Band
(plus an external antenna jack) for reception on FM, AM/NHF (Air) and FM/VHF Police Band; adjustable squelch control to ellminate background noise on the FM, Air, and Police Bands; output jacks for use with headphone or external speaker: and Automatic Gain Control to vary the sensitivity of the radio and tuning meter for directionfinding purposes. Slide Rule dial has a logging scale for precise tuning and a push button dial light. Large $4^{\prime \prime}$ Speaker for exceptional tonal quality, Steel handle for ease of portablity. 18 Transistors, 14 Diodes, and 2 Thermistors. Size: $111 / 2 W \times 9 H \times 3^{\circ} \mathrm{D}$. Imported. 99 P 35065W Shpg. wt., $61 / 2$ lbs. No Money Down* Net 84.95 MOUNTING BRACKET FOR FIXED MARINE USE.
17 P 64000 imported. Wi. 6 oz. $\qquad$ ... Net Net 3.95 Extra "C" Batteries (4 req.) wt., 4 oz . 99 P 62572 Net ea.

# Police and Aircraft Portable Radios 

LAFAYETTE "GUARDIAN 5000" 5-Band Solid-State Battery/Electric AM/FM/SW/FM-VHF Public Service Radio

## FOR POLICE AND FIRE <br> LOW BAND FM-VHF $30-50 \mathrm{MHz}$ <br> FOR POLICE, FIRE, AND WEATHER HIGH BAND FM-VHF 147-174 MHz

## INTERNATIONAL SHORTWAVE BROADCASTS 4.12 MHz

## WORLD FAMOUS SYMPHONIC ORCHESTRAS

 FM BROADCAST $88-108 \mathrm{MHz}$
## FOR SPORTS AND NEWS

## AM BROADCAST $540-1600 \mathbf{k H z}$

- Two Separate Front-End RF Tuning Sections For Both High And Low Police FM-VHF Bands
- Variable Squelch Control While Tuning FM.VHF Bands-Also Serves as Interstation Muting On Standard FM Band
Monitor the airwaves of the world! Listen to Police, Fire, Civil Defense. 2-way Business, and U.S. Weather forecast, ( 162.55 MHz ) on BOTH THE HIGH ( 147.174 MHz ) and LOW ( $30-50 \mathrm{MHz}$ ) FM-VHF band Tune the $4-12 \mathrm{MHz}$ International Shortwave Bands. Enjoy outstanding music on the standard FM band ( $88-108 \mathrm{MHz}$ ) as well as news, weath er and sports on the standard AM band ( $540-1600 \mathrm{kHz}$ ). Advanced space age solid-state circuitry permits instant operation-no loss of precious time due to warmup-permits immediate response to emergency situations. Two separate 4 gang tuning capacitor front ends for both high and low FM-VHF Police bands for greater sensitivity and more dependable selectivity-weak stations can be heard clearly -while outside noise and interference are drastically reduced. Operates on 4 "C" batteries or 117 VAC household current with AC adapter (included). Excellent quality of tone from large $31 / z^{\prime \prime}$ speaker makes this a true hi-fidelity portable radio. Telescoping antenna for FM, FM-VHF, and SW bands. Built-in ferrite core antenna for AM band. Accessory jack for use of separate external antenna. Slide rule logging scale for precise tuning. AFC circuitry prevents drift on FM Beautiful walnut wood grain molded case with metal grill, gold trim, and handle. Includes 4 "C" batteries, earphone, and AC adapter. Dim.: $83 / 4 \mathrm{H} \times 6 \mathrm{~W} \times 2^{3 / 4} 4^{\prime \prime} \mathrm{D}$. (Metal handle $3^{1 / 2^{\prime \prime}}$.) Imported. 99 P 35438 L No Money Down* Shpg. wt., $41 \mathrm{y}_{2}$ lbs..........Net 59.95 Extra "C' Batteries (4 req.)
99 P 62572
Net ea. . 17

$59^{95}$With Batteries Earphone and AC Adapter

with Batteries, Earphone, and Carry Strap

- Tunes High Band 147-176 MHz FM/VHF Police and Fire Frequencies
- Separate Cylindrical Tuning Indicator for VHF and AM Bands

Lafayette "Micro 2" Pocket Radlo provides continuous coverage of high band ( $147-176 \mathrm{MHz}$ ) FM-VHF state and local police, fire, emergency services, defense and U.S. Weather Bureau forecasts on 162.55 MHz . Also tunes standard AM broadcast band. Fits into the palm of your hand. Powerful solid-state circuitry. Separate 2 -gang tuning condenser for both the VHF and AM bands for highly sensitive recedtion. Built-in ferrite AM and telescopic VHF antennas. Size: $41 / 2 \times 27 / 8 \times$ 13/8". Imported. Shpg. wt., 1 lb .
99 P 35354 L

# LAFAYETTE's Best Selling Multihand 

## "AIR MASTER 400" 4-Band 17-Transistor FM/AM/ Police / Aircraft Radio

## HIGH BAND POLICE AND FIRE 147-174 MHZ FM/VHF



The "Alr Master 400" is a professionally designed portable radio that tunes Standard AM Broadcasts, Standard FM Broadcasts, FM-VHF High Band Police Calls, AM-VHF Aircraft Band (monitor planes in flight awaiting instructions from the control tower), and U.S. Weather Bureau Forecasts. Individually tuned front end circuits for each band provides higher sensitivity-assuring sharp response with exceptional stability. Variable Squelch control while tuning Police and Aircraft Bands-also serves as interstation muting on FM Broadcast Band.
$49^{95}$
With Batteries and Earphone

## AIRCRAFT BAND 108-136 MHz AM/VHF

## AM BROADCAST $540-1600 \mathrm{kHz}$

## FM BROADCAST $88-108 \mathrm{MHz}$

- Operates on 4 " $D$ " Batteries or 117 VAC
- Variable Squelch Control for Tuning FM, AIR and Police Bands
- Large 4" Speaker for Magnificent Tonal Quality
- Precision Slide Rule Tuning Dial - Record Output Jack
- Tunes U.S. Weather Broadcasts on 162.55 MHz

Self-Storing AC Iine cord for 117 VAC house current. Also operates on 4 "D" cell batteries. Telescoping antenna for FM, Police and Aircraft bullt-in loopstick antenna for AM. 17 transistors, 11 diodes; 2 thermistors. Jack for Ext. Ant., Phone; Record output. Padded black vinyl case with handle. Size: $111 / 6 \times 71 / a \times 31 / 2^{*} D$. Imported. Shpg. wt. $61 / 41 b s$ 99 P 35578W No Money Down*.................................................... 49.95 99 P 62564 Extra " $D$ " bat., 4 rea. Shpg. wt., 5 oz. .. Net ea. 19

## "GUARDIAN 300" 3-Band Battery/ERCtric Solid-StatG FM-VMF/FM/AM Police Radios

| HIGH BAND | $32^{95}$ with batteries and earphones |
| :---: | :---: |
| FM-VHF-147-174 M ${ }^{\text {Mz }}$ |  |
| $A M \quad-540.1600 \mathrm{kHz}$ |  |
| FM $\quad-88-108 \mathrm{MHz}$ |  |


| LOW BAND |  |
| :---: | :---: |
| FM-VHF $30-50 \mathrm{MHz}$ <br> AM $-540-1600 \mathrm{kHz}$ <br> FM $-88-108 \mathrm{MHz}$ | with <br> batteries <br> and <br> earphones |

HIGH BAND FM-YHF POLICE AMD AM/FM RADIO. Listen to Police and fire calls . . . ANYWHERE-ANYPLACE. Defuxe 3-band radio operates on 4 "C'' batteries or 117 VAC 60 Hz by means of a self-storing AC Ine cord. Powerful space age solid-state circuitry with 12 transistors, 6 diodes, and 2 thermistors. Variable 6 -gang capacitor tuning for extremely high sensitivity and selectivity enables you to pull in even the weakest stations. Complete coverage includes high-band FM-VHF $147-174 \mathrm{MHz}$ including 162.55 U . S. Weather Bureau Forecasts and standard AM and FM broadcast bands. Side rule dial for precise tuning, ferrite rod antenna for AM, telescoping antenna for FM-VHF and FM bands, and an external antenna input jack. Padded black leatherette case with silver trim. Includes batteries, earphone and self-storing AC line cord. Size $83 / 3 \mathrm{~W} \times 45 / \mathrm{BH} \times 27 / 8^{\prime \prime} \mathrm{D}$. imported. Shpg. Wt., 34/4 bs.
99 P 35461 L No Money Down*
Net 32.95
LOW BAND FM-VHF POLICE AND AM/FM RAOID. Same deluxe features and specifications as above but tunes low band FM-VHF $30-50 \mathrm{MHz}$ instead of High Band. Imported. Shpg, wt., $31 / 4 \mathrm{lbs}$.
99 P 35479 L $^{\circ}$ No Money Down*
Net 32.95 99 P 62572 Extra "C" bat. for above-4 req. ....Net ea. . 17


## GUARDIAN II Low Band FM-VHF and AM Police Radio



| TUNES |  |
| :---: | :---: |
| FM-VHF <br> $30-50 \mathrm{MHz}$ | 540.1600 kHz |

Listen to the drama of everyday life with this exciting radio. Monitor local and state police, as well as fire departments, civil defense, and emergency public services. Includes standard AM broadcast band. Features: 2 RF stages, 4 IF stages, slide-rule logging scale for preclse tuning, ferrite rod AM antenna, telescoping VHF antenna, large $\mathbf{3}^{\prime \prime}$ speaker. Black case with silver trim. Operates on 4 "AA" type batteries (included) or 117 VAC with optional AC adapter. 11 transistors, 4 diodes, 1 thermistor. $7 W \mathrm{~K} 41 / 9 \mathrm{H} \times 23 / 6^{\circ} \mathrm{D}$. Imported, Shpg wt., $21 / 4 \mathrm{lbs}$. 99 P 35347 L Low Band ( $30-50 \mathrm{MHz}$ plus AM) ........Net 16.88 99 P 35362117 VAC Adapter, Shpg. wt., 12 oz. .......Net 3.95 99 P 62580 Extra "AA" Bat. (4 req.) Shpg, wi., 3 oz. .. Net ea. 10

# LAFAYETTE Solid-State MULTI-BAND PORTABLE RADIOS 

## NEW!LAFAYETTE Battery/Electric AM/FM Portable Radio

IN HANDSOME UPRIGHT CABINET

$19^{95}$ with Batteries, Earphone, and Carrying Strap

- Slide Lever Volume Control
- Built-In AFC • Slide Rule Tuning

Dramatic new styling in an $A M / F M$ portable radio. Dependable instanton solid-state circuitry. Operates on standard AC house current (117 VAC, 60 Hz ) or with 4 "C" cell batteries. Built-in FM telescopic and AM fersite core antennas. Handsome black padded simulated leather case. $31 / 2^{\prime \prime}$ dynamic speaker provides full frequency sound. Sliderule tuning. Size: $53 / 4 \times 9 \times 23 / 4$ ". Imported. Shipg. wt., 4 los.
17 P 02554L
Net 19.95



Deluxe LAFAYETTE Battery/Electric AM/FM Portable Radio

$$
\text { ONLY } \begin{aligned}
& \text { with batteries } \\
& \text { and earphone }
\end{aligned}
$$

- Precision Slide Rule Tuning With Logging Scale
- Large $31 / 2^{\prime \prime}$ Speaker for Outstanding Tonal Quality
- Continuous Jone Control

This attractively styled AM/FM portable provides top quality performance. Powerful solid-state circuitry offers remarkably clear reception, even on distant stations. Operates on 4 " $C$ " batteries (included), or on 117 VAC with self-storing $A C$ line cord. Automatic Frequency Control (AFC) on FM prevents station drift. Telescopic swivel rod antenna for FM plus built-in AM antenna. Simulated black padded cabinet with silver trim. Size: $61 / 4 \times 101 / 4 \times$ $31 / 4^{\prime \prime}$. Imported. Shpg. wt., 5 lbs.
17 P 02349L
Net 24.95
Extra "C" Batteries (4 req.) 99 P 62572

Net ea.
.17

## NEW! LAFAYETTE 4-Band <br> AM FM SW Marine <br> Battery/AC Portable Radio


with Earphone, Batteries, and Shortwave Listening Guide

IUNES

| FUNES Broadcast $88-108 \mathrm{MHz}$ |  |
| :---: | :---: |
| AM Broadcast $540-1600 \mathrm{kHz}$ | Shortwave $3.8 \cdot 12 \mathrm{MHz}$ |

- Listen to Worldwide Shortwave Broadcasts
- AFC on FM to Prevent Drift - Vertical Slide Rule Tuning

Outstanding performing, low cost multband radio that is informative as well as entertaining. Brings yoo news as it happens from all over the world on the International Shortwave Band. Tunes the standard AM \& FM broadcast bands. Covers the Marine Band. Operates on 4 "C" batteries or 117 VAC, $^{\circ}$, 60 Hz house current. $31 / 2^{\prime \prime}$ dynamic speaker. AFC on FM to prevent station drift. Built-in AM ferrite core antenna, telescopic FM, SW, and Marine Band antenna. Instant-on solid-state circuitry. Black simulated leather case. Size: $6 \times 91 / 4 \times 31 / 2^{\prime \prime}$. Imported.Shpg. wt., 6 lbs.
17 P 02547 L ................................................................ 29.95 99 P 62572 Extra "C" Batteries (4 req.) ... Net ea. 17
Prices and Specifications Subiect to Change Without Notice.

## NEW! LAFAYETTE Solid-State AM Pocket Radio

- Includes Earphone, Carrying Strap, and Battery

Low priced pocket $A M$ radio provides fine tone from a $21 / 4$ " dynamic speaker. Earphone for private listening. Instant-on solid-state circuitry. Built-in AM antenna. Operates on one inexpensive 9 volt battery. Comes in attractive case. Color may vary. Size: $41 / 2 \mathrm{Hx}$ $21 / 2 W \times 11 / 4^{\prime \prime} \mathrm{D}$. Shpg. wt., $11 / 2$ lbs. Imported. 99 P 35180 L
Extra 9-Volt Battery
99 P 60212

## NEW! LAFAYETTE Solid-State AM/FM Pocket Radio

- Includes Earphone, Carrying Strap, and Battery

Handsomely styled with easy-to-view slide rule tuning dial. Earphone/external speaker jack, $21 / 2^{\prime \prime}$ dynamic speaker. Built-in ferrite AM and telescopic FM whip antennas. Powered by a single inexpensive 9 -volt battery. Black with wood grain trim. Size: $3 \times 47 / 8 x$ $11 / 2^{\prime \prime}$. Imported. Shpg. wt., $11 / 2$ lbs.
17 P 02562L
Extra 9-Volt Battery
99 P 6021 f
Net 10.95

## PANASONIC RF511

 AM/FM Pocket Radio- Includes Earphone, Carrying Strap, and Battery
Pocket-Size FM/AM Portable Radio operates on inexpensive 9 V battery. Built-in FM whip and AM ferrite core antennas. 21/4" dynamic speaker. Easy-see vernier tuning. Band selector switch. Earphone/external speaker jack. Soild-state circultry. Complete with gy battery, earphone, carrying strap and gift box. Size: $4^{1 / 1 / 4} H \times 3-5 / 36 W \times 111 / 4 " D$. Shpg. wt., l1/a lbs. Imported.
17 P 31132 L
Extra 9-Volt Batect 99 P 60212

Net 19.88
Net ea. . 31


Personal, Portable \& Specialty Radios


## PANASONIC R-70 Spherical AM Portable

- Gift-boxed with Earphone and Battery
- Instant-on Solid State Circuitry

Fun-loving spherical styling, unique easy-grip controls and carrying chain. Sensitive builtIn ferrite core antenna pulls in both local and distant stations loud and clear. A 21/4" PM dynamic speaker delivers rich sound. Size: $43 \mathrm{H}^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., 2 lbs. 17 P 31975 L
Extra 9.Volt Battery
99 P 60212


## PANASONIC R72

 Toot A.Loop AM Portable- It's the Crazy New Radio You Can Wear As a Bracelet Or Twist and It Sits on Your Table or Desk!

Comes with personal earphone, 9 V battery, color stick-on decals, and gift box. Instanton solid-state clrcuitry provides sensitive AM reception. Full range $21 / 4^{\prime \prime}$ dynamic speaker delivers fullbodied sound. Built-in AM antenna. Dimensions: $211 / 0 \mathrm{H} \times 6 \mathrm{~K} / \mathrm{W} \times 61 / \mathrm{K}_{0}{ }^{\prime \prime} \mathrm{D}$. Coior of radio may vary. imported. Shpg. wt, 1 ib . 17 P 31249 Extra 9 -volt Battery 99 P 60212

Net 12.88
Net . 3


## Micro Solid-State AM Wrist Radio

## - Gift Packed with Earphone and

 Wrist-StrapShaped like a wrist watch, but actually a sensitive AM radio, only $23 /$ " " $^{\prime} \times 15$ 月" $^{\prime \prime}$ 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 wrist-strap. Imported. Shpg. wt., 4 oz , 17P 21026 L

Net 14.95 MS4 1 Batteries for wrist radio. Package of six. Shpg. wt., 3 or. 32 P 46931

# Quality Multiband Portable Radios 

NEW! Deluxe JVC 8205 Solid-State AM/FM 2-Speaker Portable Radio



With Leather Carrying Case, 3 "C" Batteries, AC Adapter, and Earphone for Private Listening

\author{

- $4^{\prime \prime}$ Woofer and $2^{\prime \prime}$ Cellular Horn Tweeter
}

Deluxe AM/FM portable combines a 4 -inch woofer and a 2 -inch cellular horn tweeter for magnificent wide range hi-fi sound. Features separate slide controls for volume and Tone. 8uilt-In AFC circuit. Operates on 3 "C" batteries of 117 VAC house current. Tape Recording output jack. Telescoping FM antenna. Size: $53 / 4 \mathrm{H} \times 81 / 2 \mathrm{~W} \times$ $21 / 2^{\prime \prime}$ D. Imported. Shpg. wt., 4 lbs.
17 P 75022 L No Money Down*
Net 39.95
NEW! SANYO RP-8120 Solid-State
AM/FM Time-Tran/Weather-Matic Portable Radio

## 4995 With Earphone

For news, music, sports on AM \& FM. For instant weather and 24 -hour time on FM/VHF. The RP-8120 is also FM Stereo adaptable with accessory miniature Stereocast Adapter and stereo headphones (see listing below). Superb sound from Unicone speaker. Slide rule tuning. Operates on 4 "C" batteries (not included) or 117 VAC. Pushbution reception of U.S. Weather Bureau Network Band ( 162.55 MHz ) and 24 -hour Time Band ( 5 MHz and 10 MHz ). Slide controls for Tone and Volume. Telescoping antenna. size: $9 \mathrm{~W} \times 6 \mathrm{H} \times 31 / 2^{\prime \prime} \mathrm{D}$. Imported. Shpg. wi., 4 lbs.
17 P 59067 L . No Money Down*
Net 49.95 RB-9000 Stereocast Adapter with Stereo Headphones. Imported. 17 P 59075 L Shpg. wt.1. 1 lb. .............................................. 11.95 99 P 62572 "C" Batteries for Above (4 req.) . Net ea. . 17


NORDMENDE Solid-State 16-Band World Wide Shortwave Radios


Covers 16 bands including AM, FM, FM police/fire/U.S. Weather Bureau (147-174 MHz), LW navigation, airport weather, marine telephone, plus i' individually bandspread SW bands (see SW coverage). Powered by 5 "D" batteries (not included) or $110 / 220$ VAC (usable world wide). Features 2 speakers, switchable AFC, noise filter/IF bandwidth switch, tuning meter and battery test. Builtin dual telescopic antenna. Jacks for earphone/headphone/external speaker. Vinyl covered wood cabinet with carrying handle. Size: $81 / 4 \times 131 / 4 \times 41 / 3^{\prime \prime}$. Imported. 17 P 72185 W Shpg. wt. 11 lbs. Net 189.95 "D" Batteries for Above. 5 required. 99 P 62564
.19

## Globetraveler 7000

The deluxe Globetraveler 7000 includes the same band coverage and features as the Globetraveler IV with a larger upright design plus these added fea. tures. Walnut grained cabinet with carry. ing handle. Three speakers with crossover network for dramatic sound quality and greater listening enjoyment. Additlonal telescopic antenna and additional booster circuitry for Sho:twave and FM/ VHF police reception. Powered by 110 / 220 VAC for world wide use, or 6 "D" batteries (not supplied). Size: $181 / 2 \times$ $101 / 4 \times 41 / 2^{\prime \prime}$. Imported.
17 P 72201 W Wt., 15 Ibs. Net 259.95 "D" Batteries for Above. 6 required 99 P 62564 ..................Net ea.

# SHARP Solid-State Car/Portable Radios 

## Sharp FX200A FM-AM Car/Portable Radio



Complete with Car Bracket,
Lock and Key, Batteries, AC Line Cord, Earphone

- Install In Any 6 or 12 Volt Car or Boat System
- Use As A Portable, or On 117 Vac

60 Hz . With Built-in AC Line Cord
Multi-purpose AM/FM solid-state radio designed to provide outstanding reception anywhere. Used as an AM/FM car radio, It locks into its specially designed under-the-dash bracket and operates thru the car's electrical system ( 6 or 12 volts pos./neg. ground). Slips easily out of bracket for use outdoors-and plays on 4 " $C$ " Batteries (included). For indoor use, it operates on regular 117 VAC household current with the AC IIne cord provided. Illuminated slide rule tuning. variable tone control, earphone/external speaker jack. AFC for strift free FM reception. Ferrite bar AM antenna, telescoplng FM antenna. Wide range $4 \times 2^{3 / 4}{ }^{*}$ oval speaker. Imported. U.L. Iisted. Dimensions: $91 / 8 \mathrm{~W} \times 57 / 8 \mathrm{H} \times 236^{\circ} \mathrm{D}$. Shpg. Wt., 6 lbs .
17 P 53185 No Money Down*
Net 41.95
99 P 62572 Extra "C" Cells ( 4 required) $\qquad$ Net ea. . 17
Sharp FY300PA 3-Band AM/FM/FM VHF Car/Portable Police Radio


Complete with Car Brachet. Loth and Key, Batteries, AC Line Cord, Earphone

TUNES:

$51^{95}$

- FM.VHF $148-176 \mathrm{MHz}_{2}$, High Band Police
- 162.55 MHz U.S. Weather Bureau Forecasts
- AM 8roadcast $550-1600 \mathrm{kHz}$.
- FM Broadcast 88-108 MHz.

Deluxe, multi-purpose 3 -way solid state radio specially designed for use in car, as a portable, or in the home. Features dramatic FM-VHF High Band ( 148.176 MHz ) reception of police, fire, civil defense, and U.S. Weather Bureau forecasts. Also tunes the standard AM and FM broadcast bands. As a car radio, it locks into its specially designed, under-the-dash bracket (supplted) and operates thru the car's 6 or 12 -volt electrical system. Outdoors it plays on 4 " "C" size flashlight cells. Indoors it plays on 117 VAC with an AC line cord (supplied). Features: dynamic oval speaker and 1-watt output for excellent sound quality; precision vernier slide.rule illuminated tuning diat; variable tone control; earphone; jack an earphone for personal IIstening; telescoping FM and FM-VHF antenna; ferrlie core
 Shpg. wt., 5 lbs.
17 P 53193 No Money Down*
 Net 51.95
99 P 62572 Extra " $C$ " Cells ( 4 required) $\qquad$ Net ea. . 17

## NEW! SANYO AM/FM Stereocast Weather-Matic Portable Radio



## with earphone

- Operates on Battery or AC
- Weather-Matic Pushbutton Tuning of
U.S. Weather Bureau Radio Network-162.55 MHz

A high performance portable radio that tunes the AM and FM broad cast bands, plus official forecasts from the U.S. Weather Bureau on 162.55 MHz merely by pressing the Weather-Matic button. And you can enjoy broadcasts in FM Stereo by simply plugging in the optional Stereocast Adapter and headphones listed below. Operates on batteries (not supplied) or on house current with built-In AC Adapter. Features slide.rule AM/FM tuning dial, advanced-design Unicone speaker, and Tone Control. Built-in ferrite core Am antenna, and telescopic antenna for FM and Weather. Size $91 / 2 \mathrm{~W} \times 5 \frac{1}{4} \mathrm{H} \times 21 / 4{ }^{\prime \prime} \mathrm{D}$. imported. Shpg. wt., 3 ibs.
17 P 59059 L No Money Down*
Net 34.95
17 P 59075L Stereocast Adapter. Shpg. wt., 1 ib. Net 11.95 99 p 62572 "C" Batteries (4 required) ..............Net ea. . 17


- Superb Sound from Matched 2.Way Speaker System-4" Woofer and a $2^{\prime \prime}$ Tweeter A fine $A M / F M /$ Shortwave portable radio featuring the latest Integrated Circuitry, 11 transistors, 1 FET, and a ceramic fitter to provide uitra-sensitive and selective reception, Built-In AFC for drift-free FM performance, DX/Locai antenna switch for maximum AM reception, and BFO for clear Morse Code signal reception. Unique separate rotating drum type tuning dials for all 3 bands. Lamp switch llluminates dial scale and tuning/battery meter. Inputs for guitar, mike, and aux. Tape recording output jacks. Complete with AC Adapter for oper: ation from 117 VAC house current, and 3 "C" batteries for portable operation. Size: $811 / 0 \mathrm{Wx} 5 \mathbf{5} / \mathrm{Hx} 2 \mathrm{H}_{4}{ }^{\prime \prime} \mathrm{D}$, UL listed, Imported. Wt., 41/2 Ibs. 17 P s3227L No Money Down*


# 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.
11 P 88010 Shpg. wt., 3/4 Ib. .. Net 2.99 (2) "FLEX-O-MATIC" UNIVERSAL ANTENNA Hēavy-duty, bounce-back, spring mount. Fully adjustable-mounts anywhere. 3 sections. $63^{\prime \prime}$ extended, $28^{\prime \prime}$ collapsed. $48^{\prime \prime}$ lead
11 P 74077 Shpg. wt., 9 oz. ....Net 3.65
(3) UNIVERSAL MOUNT AERIAL

Can be mounted anywhere on car. Adjusts to any angle 3 section, measures $20^{\prime \prime}$ collapsed, extends to $59^{\prime \prime}$. Complete with $48^{\prime \prime}$ lead. 11 P 74119 Shpg. wt., 1 lb. ....Net 2.50
(4) LO-BOY DISAPPEARING ANTENNA

For shallow installations, foreign and sports cars. Takes ony $91 / 2^{\prime \prime}$ below fender or deck. Extends to $25^{\prime \prime}$ collapses to $134^{\prime \prime}$. $48^{\prime \prime}$ permanent lead. Shpg. wt., 1 lb .
11 P 74036
Net 2.29

## (9) TOP MOUNT FOR VOLKSWAGEN CARS

For 1967 Models and Up. Three-section top-mount antenna extends to $38^{\prime \prime}$, collapses to $15^{\circ}$ Fits the prepunched hole which Volkswagen has incorporated into its cars. Chrome plated. Complete with $42^{\circ}$ cable. Shpg. wt. 1 lb .
11 P 74135
Net 2.99

## $\rightarrow+$ <br> REPLACEMENT AND extension leads

Replacement lead 54" Universal. Shpg. Wt., 5 oz .
11 P 74085
Net 1.20
24" Universal extension lead Net .89
$36^{\prime \prime}$ Universal extension lead
11 P 74101
.. Net 1.10 ADAPTERS/JACKS/PLUGS/CONNECTORS

(A) Adapter converts Motorola to Deico fitting 11 P 66016 $\qquad$ (B) Motorola jack Net 29 11 P 66024 (B) Motorola jack Net 29
11 P 66032 (C) Motorola plug Net 19


## UNIVERSAL $6 \& 12$ VOLT VIBRATORS

Direct replacements for most popularly-used types.

## 6-VOLT 4-PRONG

Replacement for MALLORY 294, 859. 901M, 1601. Radiart 5300,5301 and manv others. 32 P 56013 Shpg. wt., 4 oz. .... Net 2.95 12-VOLT 3-PRONG
Replacement for Buick, OIds, Pontiac and GM

## AUTO TENNA BOOSTER

- Increases Radio Range and Reception
- Electronically Equivalent to $110-\mathrm{ft}$. Antenna

Increase the signal strength and range of your auto radio with the new Dynamic Auto Antenna Booster. Brings in distant and weak stations …stops statlon.fade. Installs easily in 4 simple steps. Fits all except 4 sect. Antennas. Shpg. wt., $1 / 2 \mathrm{lb}$. 11 P 89026

Net 2.89
NOISE SUPPRESSOR KITS


For all 6 and 8 -cylinder cars, suppresses wide band pulse noise created by the distributor, spark plugs and generator/alternator "hash". Includes spark plug suppressors, generator/alternator and light or ammeter by-pass capacitors. Complete with easy installation instructions. Shpg, wi., 602.
11 P 71057 for 6 -cylinder cars Net 2.79 11 P 71065 for 8-cylinder cars Net 3.19
part no. 122-0155; Mallory G874, CD 6330, Delco 8550; and Vokar 3129.
32 P 56021 Shpg. wt., 4 oz. ... Net 2.95

## 12-VOLT 4.PRONG

Replacement for Mallory G859. Motorola 45B22000, Philco and Mopar 83-0025-1. ATR 1840, vokar 4124; and most later 12 -volt carradio vibrators.
32 P 56039 Shpg. wi., 4 oz. .... Net 2.95


Effectively kills the interference of noise caused by ignition system or alternator in some cars. Consists of choke and capacitor some cars. Consists of choke and capacitor 11 P 60505

INSIDE WINDOW AUTO ANTENMA


Now you can have the latest type of AM/FM auto window antenna similar to Detroit's 1972 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., $60 z$.
11 P65562
Net 2.95

## windshield antenna booster

Ensures maximum performance from your windshield antenna. Booster cable has builtin transistor that increases signal strength. Gives extended reception to car radios. Installs easily no tools or cutting necessary. Shpg. wt., 1 lb .
11. P 71081
.Net 4.95

## POWER HOUSE aUto antenna

- Built-in $\begin{gathered}\text { Booster } \\ 40\end{gathered}$

3-section universal mount (for all cars) auto antenna designed to increase the range and signal strength of your auto radio. Buittin booster coil 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. Shpg. wt., 1 ib
11 P 71073 ....................Net 4.50

## "TENNAMATIC" ELECTRIC aUto antenna <br> As Low As

Operate the antenna at the flip of a switch. Designed to fit most 12 volt cars. Mast extends to $35^{\prime \prime}$ and refracts to 11/4". Antenna 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., $63 / 4$ tbs. REAR MOUNT: 18 feet of antenna lead and 20 feet electric harness.
11 P 71024 $\qquad$ Net 21.95
FRONT MOLUNT ANTENNA $54^{\prime \prime}$ of antenna lead and $72^{\prime \prime}$ electric harness.
11 P 71016

## Car Reverb Units and FM Converters

## LAFAYETTE Solid-State Car Reverberation Amplifier



NOW-listen to the most dramatic sound of music you have ever heard in a car with the Lafayette solid state Automobile Reverbera. tion amplifier. When used with your present 12 -volt negative ground AM or FM car radio, the Lafayette Reverb ampllfier creates a second set of reflected sound waves reproduced through a rear seat speaker (not included). These reflected sound waves provide this exciting new dmension in sound reproduction. Features a pushpulf Fader! Balance control. Balances regular car radio speaker and reverb speaker. Also controls amount of reverberation-from 0 to maximum. Separate isolation transformer for ultimate matching conditions. For underdash mounting. Dim.: $71^{\prime} 2^{\prime \prime} \mathrm{Dx} 31 / 2^{\prime \prime}$ Wx1 $3 / 4^{\prime} \mathrm{H}$, Includes mounting bracket. Imparted. Shpg. wt, $21 / 4 \mathrm{lbs}$.
99 P 85193
Net 9.95

## See Page 271 For Reap Seat Speakers

## Hitachi KMT-880 Solid-State FM Converter For AM Car Radios



## $27^{95}$

Complete with all mounting hardware.

- AfC For Drift Free FM Reception
- Precision Slide Rule Tuning
- For 12 Volt Negative Ground Systems

Convert your present AM Car Radio to an AM/FM radio. Operates on 12 volt negative fround systems. Advanced solid-state circuitry consists of 7 transistors, 1 varistor, and 1 Zener Diode. Tuning Range: $88-108 \mathrm{MHZ}$. Features: AFC for drifi free FM reception, dial light and adjustable brackets for easy Installation under the dash. Precision slide rule tuning disl with logging scale. With all mounting hardware. Size: $436 \times 15 / 4 \times 4 \mathbf{B}^{\prime \prime}$. Imported. Shpg. wt., 3 tbs.

## 17 P 24269

Net 27.95

## $19^{95}$

Complete with $6 \times 9^{\prime \prime}$ speaker and chrome grill.

- 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 solid state tuneable reverberation unit converts your present car radio into a magnificent sound system offering concert hall realism. Beautifully styled to enhance the decor of your car. Consists of the tuneable amplifier control unit which easily mounts under the dash panei of your car by means of adjustable brackets. $6 \times 9^{\prime \prime}$ dynamic speaker and chrome grill for rear seat mounting, and all connamic speaker and chrome grin for rear seat mounting, and all connecting cables. Includes simple instructions for connecting the revero speaker, "REVERBERATION," tones are created thru the rear speaker thus providing a truly 3 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 reverberation to your taste. Specifications for 12 volt negative ground cars, peak audio output- 4 watts, 2 transistors. Size: $17 /^{\prime \prime} \times 4^{\prime \prime} \times 9^{\prime \prime}$ Shpg. wt., $43 \mathrm{3} / \mathrm{lbs}$.
17 P 01093
Net 19.95

## Deluxe RANGER Solid-State FM Converter For AM Car Radios



## $39^{95}$

- FM Sensitivity $.4 \mu \mathrm{~V}$
- AFC on FM For Drift Free FM Reception
- For 12-Volt Negative Ground Systems

With All
Mounting Hardware
Converts your existing AM auto radio to play the FM Brcadcast Band. All solid-state circuit ( 6 transistors, 8 diodes) gives instant operatlon. Built in AFC permits drift-free reception of distant FM stations. AM/FM switch allows instant selection of AM or FM stations. Simptified Instaltation. Sensitivity: . $4 \mu \mathrm{~V}$. Handsome walnut wood grain face plate and sparkiling chrome finish with black leatherette decal. Size; $17 / 8 \times 4 \times 9^{\prime \prime}$. Imported. Shpg. Wt., $31 / 4 \mathrm{lbs}$.
17 P 74207 No Money Down* $\qquad$ Net 39.95

## Custom Deluxe Solid-State Radios For Volkswagen Cars



## PUSHBUTTON AM CAR RADIO

$37^{75}$

- For All Standard Models from 1967-1972
- Will also custom fit "Super Beetle"
- Complete with 5" Diameter External Speaker and All Mounting Hardware
Just a snap to install. All transistor circuitry provides 3 -watts of audlo power. AVC provides constant, even comfort-level listening. Continuously variable tone control. Five quick-set pushbuttons. Seven tuned circuits including RF stage, give maximum sensitivity. For 12Volts D.C., negative ground. Imported. Shpg. wt., 6 lbs. 17 P 74694W No Money Down*

Net 37.95 Manual solid-state AM car radio for 1967-72 Volkswagen Cars. Same as above but manual tuning. Shpg. wt., $2 \frac{1}{2}$ lbs. 17 P 74264


## DELUXE PUSHBUTTON FM-AM CAR RADIO

- For 1967 Thru 19721300 Series Models

$69^{95}$

- Will Also Custom Fit Super Beetle
- 6-Inch External Speaker
- I1-Transistors, 2-Diodes
- Snap-in Front Mount for Easy Installation Deluxe solid-state custom AM-FM radio for all standara Volkswagen 1967-1972 models. Will also custom fit the new Super Beetle. All solid-state circuitry. 11 -transistors, 2 -diodes. AFC on FM for driftfree performance. Push-pull output. High sensitivity for long distance reception on both AM \& FM. 4-1F stages on FM. Continuous variable tone control. Snap-in front mount. Large 6" external speaker. imported. For 1967-1972 Volkswagens. Shpg. wt., 6 lbs 17 P 74405 No Money Down* $\qquad$ Net 69.95


## Custom Deluxe Solid-State Radios For Toyota Cars



## $38^{50}$

PUSHBUTTON AM RADIO FOR TOYOTA CORONA AND COROLLA

- With External 5x7" Speaker
- Push-Pull Output With AGC

No Money Down* - Fits All Cars From 1967 Thru 1972 Models
Fine performing custom radio. All silicon solid-state circuitry. Ex. ternal $5 \times 7^{\prime \prime}$ speaker for fine sound reproduction. Tone Control. Pushpull output with AGC. For 12 -volt negative ground systems. Shpg. wt., 5 lbs. Imported.
17 P 80030
Pushbutton AM Radio for Toyota Mark II
Same specs and features as above but specifically designed for custom installation in Toyota Corona Mark II cars. (1967 thru 1972). imported. Shpg. wt., 5 lbs. 17 P 80014


PUSHBUTTON AM/FM RADIO FOR TOYOTA CORONA, CORINA, CELICA,

## $72^{30}$

No Money Down* AND COROLLA

- With External $5 \times 7$ " Speaker
- AFC For Drift Free FM Performance
- Fits All Cars From 1967 To 1972

All silicon solld state circuitry with 8 -watt output. Features: buittin AFC to prevent drift on FM, and AGC. Colored dial lights for AM and FM. External $5 x 7^{\prime \prime}$ speaker. For 12 voit negative ground systems. Imported. Shpg-wt., 6 tbs.
17 P 80006

## Pustbutton AM/FM Radio for Toyota Mark II

Same specs and features as above, but specifically desizned for custom installation in Toyota Corona Mark 11 cars (1967 thru 1972). Imported. Shpg. wt., 6 lbs.
17 P 80022
.Net 72.90

## Deluxe TENNA IC Solid-State Car Radios



## FM STEREO CAR RADIO

Enjoy FM stereo broadcasts in your car. Features FM stereo Indicator LIght, balance slide control, tone control, mono/stereo switch, and powerful solid state IC circuitry- 4 IC's, 5 transistors, and 8 diodes. Peak Audio Power 4 watts per channel. Measures only $23 / 8 \mathrm{~A} \times 41 / 8 \mathrm{~W} \times$ 65/8"D. With mounting bracket and hardware. Less speakers. Imported. Shpg. wt., $2 \frac{1}{2} / 2$ los.
17 P 74652 No Money Down*
${ }^{29^{9}}$
less speakers

Easily Mounts
Under the
Dash of Any Car


## AM CAR RADIO

Measures on $11 / 4 \times 41 / 4 \times 53 / 4^{\prime \prime}$-high styled chrome and black finish. For 12 volt negative ground systems. Powerful Solid State integrated circuitry. Power output: 3 watts music power at 8 -ohms. 5 Transistors, 1 ic. Less speaker. With mounting bracket and hardware. Imported. Shpg. wt., 2 lbs.
17 P 74660
.Net 29.95
See Page 271 for Lafayette's Complete listing of Car Speakers

## Quality Solid-State Radios For The Car

## NEW! Under-Dash Solid-State FM/FM Stereo Car Radio

## 6995 less speakers <br> - FM Stereo Indicator Light <br> - Slide-Lever Balance and Tone Controls

Compact FM/FM Stereo car radio that's only $14 /{ }^{\prime \prime} H, 5^{\prime \prime} \mathrm{D}$, and $6^{\prime \prime} \mathrm{W}$ ! Hooks-up directly to your present $A M$ car radio and antenna. Automatically turns off AM when you switch to FM/FM Stereo. Engineered with dependable solid-state IC circuitry. Features an Illuminated slide-rule tuning dial, and a Stereo Indicator Light that shows when you're tuned to an Fim stereo station. Slide-lever controls for


## SOLID-STATE PUSHBUTTON AM/FM CAR RADIO

- Includes Free Antenna
- Large $5 \times 7$ " External Speaker
- For 12 Volt Neg./ Positive Ground System
All solid state circultry. 11 transistors, 8 diades, 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 limitling. Large $5 \times \mathrm{F}^{\text {T }}$ external speaker. Radio mounts neatly under dash. Overall size: $61 / 2 \mathrm{~W} x$ $23 / \mathrm{aH}^{2} \times 6 \mathrm{~F}_{8} \mathrm{D}$. Imported. Shpg. wt., 7 lbs .
17 P 74124 No Money Down*
Net 57.88

Balance and Tone, and a pushbutton Stereo/Mono selector. No holes or drilling required-Installs easily with "Grip Tight" mounting strip. Supplied with antenna "y" connector, all mounting handware and accessories. For 12 VDC negative ground systems. Imported. Shpg. wt., 2 lbs.
17 P80097W No Money Down*
Net 69.95


## DELUXE UNIVERSAL AM/FM/FM STEREO PUSHBUTTON CAR RADIO

## 99 95

- 3 IC 's and 2 FET's
- 8 Tuned FM Circults
- 6-Watt Output Per Channel

Powerful Solid-State AM/FM/FM Stereo Radio features: Integrated circuitry, 3 l.C.'s and 15 sllicon transistors, 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-OHf switch, Stereo-Mono switch Stereo Indicator light. Reversible insert panel resulting in 3 -way die-cast face plate. Flexible antenna lead connector. 12 volt negative or positive ground operation. Size: $61 / 2^{\prime \prime}$ wide, $61 / \mathrm{b}^{\prime \prime}$ deep, $2^{\prime \prime}$ high. Shpg. wt., $41 / 2 \mathrm{lbs}$. Imported.
17 P 80055 W No Money Dówn*
Set of 2 Rear Deck $3^{\prime \prime} \times 5^{\prime \prime}$ Speaker Systems. Imported. 99 P 62994 Shpg. wt., $21 / 2$ lbs.

Net 99.95 Net 6.95


## MANUAL AM CAR RADIO



Universal Solid State AM radio that is easy to install under the dash. Offers fine sound reproduction. Features built-in speaker and tone control slide switch, 7 transistors, 2 diodes. RF stage, AVC. Removable face plate. For 12 volt negative ground system. Size: $2 \times 43 / 4 \times 61 / 2^{\prime \prime}$. Imported. Shpg. wt., $23 / 4 \mathrm{lbs}$.
17 P 74256

Attractively styled under-dash solid state AM push-button car radio with reversible face plate-black on one side, walnut on the other. 6-watt push-pull output with ACC. External $5 \times 7^{\prime \prime}$ speaker. Size: $6 \mathrm{H} / 4 \mathrm{~W} x$ $43 / 4 \mathrm{D} \times 2 \mathrm{FH}$. Imported. Shpg. wt., 5 lbs .
17 P 80048 No Money Down*. Net 34.95
$59^{95}$

Includes Hi-Fi Speaker and Antenna

## - For 12 V Negative Ground Systems

High performance AM/FM car radio styled like a sports car tachomefer! Installed easlly under dash of on the floor. Features lighted tuning dial; hi-fi speaker system; self-adhering transparent windshield antenna: anti-theft lock. Size: $31 / 2^{\prime \prime} \times 61 / 4^{\prime \prime}$. Imported. Shpg, wt., 2 tbs.
17 P 59117 No Móney Down * Net 59.95
 Output

- Large $5^{\prime \prime}$ by $7^{\prime \prime}$ External Speaker - For 12 Volt Neg./Pos. Ground Systems 3 for Full Details on Easy Pay Plan


## SONY, SANYO, and HITACHI Color TV Sets

## SONY Trinitron Single Gun Color TV Sets

## All SONY Color TV Sets are Solid-State and Contain the Exclusive Trinitron Color System to Produce Bright, Sharp Pictures

Model KV 1201-12" picture measured dlagonally. Features: Sony Single Gun Trinitron Color System for magnificent true-to-life color, automatic color control, lighted channel indicators, instant picture and sound. Charcoal grey cabinet with chrome trim. Convenient carrying handle. 82-channel UHF/VHF reception. With VHF dipole antenna and UHF loop antenna. Size: 131/b x $175 / 16 \times 151 / 2^{\prime \prime}$. For 117 VAC, 60 Hz . Imported. Shpg. wt., $361 / 2 \mathrm{ibs}$.
17P32973WX No Money Down * .... Net 329.95
NEW Model KV 1510 - Same features as KV 1201 but with 15" Picture measured diagonally and Automatic Fine Tuning. Site: $141 \mathrm{KoH} \times 201 / 2 \mathrm{~W} \times$ $163 / 16$ "D. Imported. Shpg. wt., 44 lbs.
17 P 33088WX No Money Down* .... Net 399.95
Model KV 1710 - Same features as KV 1201 but with $17^{\circ \prime}$ Picture measured diagonaliy and Automatic Fine Tuning. Sire: $131 / 4 \times 18 \% / 16 \times 151 / 2^{\prime \prime}$. imported. Shpg. wt., 70 ibs.
17 P 33039 WX No Money Down* ...Net 449.95

## 3 Models to Choose From

| Model KV 1201 |  |
| :---: | :---: |
| $12^{\prime \prime}$ Picture |  |
| Measured Diagonally |  |
| 37095 | Model KV 1510 <br> $15^{\prime \prime}$ Picture <br> MeasuredDiagonally <br> 3$\quad 30995$ |

Model KV 1710 17" Picture Measured Diagonally $449^{55}$

## SANYO Solid-State Color TV Sets

Model 31C35 $13^{\prime \prime}$ Picture Measured Diagonally $319^{95}$

Model 91C55 19" Picture Measured Diagonally $399^{95}$


Model 31C35 - Handsomely styled color TV set with $100 \%$ solid-state circuitry inciuding Integrated Circuits (IC's) for an extraordinary clear, high resolution picture. Utilizes advanced design "high phosphor" picture tube for a $13^{\prime \prime}$ viewable picture measured diagonally. Deluxe feafures include Automatic Fine Tuning, instant-on picture and sound, UHF and VHF detent tuning, earphone and 10 ft . of cord for private listening. 82 -channel UHF/VHF reception. Handsome wood grain finish cabinet. Built-in telescoping antenna, fold-away handle. Color and Tint slide controls. Size: $131 / 2 \mathrm{H} \times 18 \frac{1}{2} \mathrm{~W} \times 16^{\circ} \mathrm{D}$. For 120 VAC, 60 Hz . Imported. Shpg. wi., 37 lbs.
17 P 59091WX No Money Down* $\qquad$
Model g1C55 - Same as 31C35 but with 19" viewable picture measured diagonally, pushbutton AFT (maintains fine picture quality when channel is changed). Does not have foldaway handle. Size: $16 \frac{1}{2} \mathrm{H} \times 233 / 4 \mathrm{~W} \times 20^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., 72 lbs.
17 P 59109wx No Money Down
${ }_{\text {.n }}$ Net 399.95

HITACHI CE-700
Solid-State Color
TV Set


## $369^{95}$ <br> FEATURES: <br> 17" Picture <br> Measured <br> Diagonally

Engineered with $100 \%$ solid-state circuitry to provide years of trouble-free viewing. 17" picture measured diagonally. Features APS (Automatic Picture Setting) and AFC (Automatic Frequency Control) for clear, life-llke color reception. Memory fine tuning gives you a beautifully tuned-in image every time the set is furned on once it is originally adjusted. Full 82 channel VHF/UHF reception, with 8 -position detent/preset UHF tuner. Handsome vinyl finished wood cabinet. Big $3 \times 5$ " full fidelity speaker. With earphone for private listening. Size: $235 / 4 \mathrm{WW} \times 15 \% / 10 \mathrm{H}$ x 19\%/r"D. For 117 VAC, 60 Hz . Imported. Shpg. wt., 60 lbs. No Money Down*
17 P243t9WX
.Net 369.95

## Portable Black and White VHF-UHF Solid-State TV Sets

## SANYO 21 T43 SOLID-STATE TV



## NEW! $89{ }^{55}$

- $12^{\text {" }}$ Picture Measured Diagonally
- VHF 2-13, UHF 1483

Engineered for superb performance and outstanding reliability with $100 \%$ solld-state chassis. Deluxe features include: separate UHF and VHF tuners, instant-on picture and sound, VHF telescopic and UHF loop antennas. Front mounted Unicone $31 / \mathrm{g}^{\prime \prime} \times 51 / \mathrm{g}^{\prime \prime}$ speaker, and Modern sculptured design with built-in carrying handle. Includes personal earphone, Size: $121 / 2 \times 17 \times 111 / 2^{\prime \prime}$. For 120 volts AC, 60 Hz . Imported. Shpg. wi., 22 Ibs. 17 P 59083WX No Money Down*. Net 89.95

## Sony TV-740 Battery/AC TV



- 7. Picture Measured Diagonally
- 82 Channel UHF/VHF Reception

Streamlined styling with chrome accents. Operates on $117 \mathrm{~V} . .60 \mathrm{~Hz} \mathrm{AC;} \mathrm{optlonal} \mathrm{re-}$ chargeable 12 -volt battery. or. 12VDC car/ boat battery. Keyed AGC system for sensitive reception. Black screen for better picture both indoors and outdoors. Built-in VHF tele. scoping antenna and front mounted $33 / 4^{\prime \prime}$ speaker. With earphone. UHF loop antenna. Size: $95 / 8 \times 81 / 4 \times 10 \%{ }^{\circ}{ }^{\circ}$ For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. imported. Shpa, wt., 13 lbs.
17 P 33005 WX
Net 119.95


- $12^{\kappa}$ Picture Measured Diagonally - Earphone for Private Viewing - VHF 2-13, UHF 1483

An exciting portable TV-with full feature digital clock, sieep timer, alarm and slidetever controls. Sef TV to turn off automaticaliy, pre-set it to wake you up to TV or alarm in time to view your fayorite, 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 vlewlng. The sleep timer shuts the set off automatically after up to 3 hours of viewing. Complete with personal earphone. For 117 VAC 60 Hz . Size: $117 /^{\prime \prime} x$ 181/4" $\times 111 / 2^{*}$. Imported. Shpg, wt. 24 ibs. 17P31918WX ........................Nef 119.95

## Sony TV-112 Battery/AC TV



## 1395

 No Money Down*- 11" Picture Measured Diagonally - Channel Coverage VHF 2-13, UHF 14.83 Big $11^{\prime \prime}$ screen measured diagonally. snap-In non-glare filter provides clear, vivid recep. tion in any light. Super sensitive solid-state curcultry. Built-In VHF adjustable telescoping antenna. Front mounted oval $31 / 7 \times 43 / 4^{\prime \prime}$ speaker. 23 transistors, $1 \mathrm{lC}, 15$ diodes, and 1 rectifier. Keyed AGC and AFC systems. Front mounted illuminated tuning knobs makes channel changing easy and accurate. Contemporary styling in black with silver trim. Size: $115 / 8 \times 111 / 4 \times 111 / 2^{\prime \prime \prime} \mathrm{D}$. Imported. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shok. Wt. $18 \frac{1}{4}$ los. 17 P 33021 WX

Net 139.95

## ACCESSORIES for SONY 720U, 740, 920U, 940, 110 V , and 112 TV's

## Model 8P/7 564, Shoulder rechargeable baltery pack.

17 P 32296 Shpg. wt., $73 / 4 \mathrm{lbs}$. $\qquad$ Net 22.95
Model DCC-2AW. Car battery cord. For $12 \mathrm{~V} / \mathrm{neg}$. ground systems.
17 P 32304 Shpg. wt., 11/4 lbs,
Net 15.95
17 P 32601 Model VCA-1H Car window antenna. Wt., 21/4 los
Net 23.50

## Hitachi SU-86 Solid-State TV Set



- $16^{6 "}$ Picture Measured Diagonally
- VHF 2-13. UHF 1483
- Memory Tuning

All-transistorized chassis offers utmost reliabitity and high level performance. Exceptionally clear picture is attained by adopting Set-and-Forget memory fine-tuning. Also features Automatic Gain Control, noise eliminator, and power regulator circuits. Instant picture and sound. Compact, lightweight, and easily portable with retractable carrying handle. VHF monopole and UHF loop antennas and earphone for private listening. Im. ported. Size $211 / 4 \times 143$, $\times 14 /$ /" $^{\prime \prime}$ For 117 VAC. 60 Hz . Shpg. wt., 34 lbs.
17 P 24285 WX
. Net 124.95

## Panasonic TR-475 Battery/AC TV



## NEW! $169^{\text {ss }}$

## POP-UP TV with AM/FM RADIO

- 5" Picture Measured Diagonally
- Built-in Rechargeable Batteries
- 82 Channel UHF/VHF Reception
"The solid-state TV that lives in a radio." With the screen down, the set turns "off" automatically and you have a smart attachestyled FM/AM radio. Pop-up the screen and It becomes a TV. Plays on Panalloid rechargeable batteries (included). With the AC adapter (included) you can recharge the batteries while the set operates. Telescopic munopole/bowtie antennas. Front-mounted dynamic speaker. Slide rule UHF and radio tunina. With sun shield and an earphone for private listening. Size $5 \%_{6} \times 111 \%_{6} \times 153 / 81$ Imported. Shpg. wt., 16 lbs.
17 P 31280WX .......................Net 169.95


# Replacement Cartridges - Spindles 

REPLACEMENTS FOR TETRAD CARTRIDGES
These two illustrations represent over 200 manufacturer's part numbers for Tetrad ste. reo cartridges. Lafayette is the first to offer replacements for these cartridges which are used, among others, by Admiral, Airline, Arvin, Bradford, Curtis-Mathis, Emerson, Garrard, Motorola, Muntz, Olympic, Philco, Sears, Sylvania, Symphonic, VM, Westinghouse and Zenith.
To order correct replacement, select correct shape, standard bracket or smap-in, and match the color of the terminal socket with list below. Shpg. wt., 3 oz .


FIG. A. STANDARD BRACKET MODELS

| Stock No. | Fig. | Terminal Socket Color | Styll | Net |
| :---: | :---: | :---: | :---: | :---: |
| 24 P 53256 | A | Black, Blue, Green | .70.3S | 8.97 |
| 24 P 53264 | A | Grey, Orange | .70,3S | 8.97 |
| 24 P 53272 | A | Yellow | .70,35 | 8.97 |
| 24 P 53280 | A | Red | .70,35 | 8.97 |
| P FIG. B. SNAP-IN MODELS |  |  |  |  |
| 24 P 53298 | B | Black, Blue, Green | .70,35 | 8.97 |
| 24 P 53306 | B | Grey, Orange | .70,35 | 8.97 |
| 24 P 53314 | B | Yellow | .70,3S | 8.97 |
| 24 P 53322 | B | Red | .70,3S | 8.97 |



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 mil; $L T .7 \mathrm{mll}$ and 3 mil . Shpg. wt., 3 oz .

| Stock No. | Ast. Mo | Tip | Fig. | Vaco Equiv. | Output | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 P 50617 | 470 | LS | S | T0-45 X (G) | 3.0 | 3.57 |
| 24 P 50625 | 472 | LT | 1 | ST-2X, 100X, 20X, 20G | 0.8 | 4.50 |
| 24 P 50633 | 474 | LT | $T$ | ST-200X, 40X, 4X, 40G | 2.0 | 4.35 |

REPLACEMENTS FOR IMPORTED BATTERY AND ELECTRIC PORTABLE PHONOS

D. Side Screw Mount

These two cartridges are used in hundreds of models of battery and electric portable phonos, such as Chanel Master, Delmonlco, GE Magnavox, Philco, RCA, Singer, Symphonic, Toshiba, eic. They are recognizable by their color, shape and manner of mounting. Wt., $30 z$.

FIG. C. PRESSURE-FIT MOUNTING WITH TEETH
24 P 53330 Ivory push-in pressure fit with teeth ......Net 2.67 24 P 53041 Grey push-in pressure fit with teeth .........Net 2.67

FIG. D. SIDE SCREW HOLE MOUNTING
24 P 53348 lvory side screw mounting $\qquad$ Net 2.67
24 P 53355 Grey side screw mounting
Net 2.67

## REPLACEMENTS FOR BSR AND VM

 45 RPM SPINDLES
For automatic operation of a stack of 45 RPM records on BSR or VM changers. Shpg. wt., 4 oz.
Fig. E. Fiat spindle for use with BSR UA.15SS, UA. 25, UA $40,1500,2500,15,25,65$, and 75 series; MCDonald $400,500,500 \mathrm{~A}$, and 600. 24 P 02204
..Net 1.49
Fig. E. For use with BSR Mini-Changers.
24 P 02568 ............................................Net 1.49
Fig. F. For all recent and current VM full-size changers with short centerpost $23 / 4^{\prime \prime}$ high.
24 P 53363 VM 1120 (1116) ...............Net 1.49
Fig. G. For older mojel VM changers with long centerpost $4^{\prime \prime}$ high. VM 1115 (1105). 24 P 53371

Net 1.95

## NORTRONICS TAPE HEADS and ACCESSORIES

QUIK-KIT MOUNTING HARDWARE

| Stock Mo. | QK No. | Description | Net Ea. |
| :---: | :---: | :---: | :---: |
|  |  | SIOE-MOUNT |  |
| 28 P 57357 | 18 | All erase | 1.25 |
| 28 P 57340 | 20 | 3000 RP series | 1.25 |
| 28 P 57332 | 38 | Other RP | 1.25 |
|  |  | BASE-MOUNT |  |
| 28 P 57381 | 19 | All erase | 1.25 |
| 28 P 57373 | 21 | 3000 RP | 1.25 |
| 28 P 57365 | 66 | Other RP | 1.25 |
|  |  | SPECIALS |  |
| 28 P 57928 | 102 | Sony RP | 1.75 |
| 28 P 57993 | 119 | Sony RP | 1.25 |
| 28 P 58256 | 306 | Sony erase | 1.50 |

FREE TAPE HEAD REPLACEMENT INFORMATIOIN
Below is a partial tape head replacement listing. We can supply information and Nortronic replacements for over 2800 recorder models. If yours is not listed, write to us supplying manufacturer and model number, tape head function and track configuration.

AT-100 Allgnment tape. Full-track $71 / 2 \mathrm{ips}$. For head azimuth alignment \& NAB testing frequency response of any recorder or tape head. Shpg. wt., 6 oz . 28 P 57589

Net 9.90

## AUTO AND HOME 8-TRACK CARTRIDGE REPLACEMENT HEAD

Record/Playback replacement head for practically all auto and home 8-track cartridge tape players. Shpg. wt., 3 oz.
28 P 58272 Nortronics 5800
Net 10.90

## DIRECT REPLACEMENTS FOR POPULAR TAPE RECORDERS

Premium quality no-mount heads for replacement and conversion purposes. Use with mounting kits, below, for easy installation. Response $40-20,000 \mathrm{~Hz}$ at $71 / 2$ lps. Crosstalk rejection 55 db . For

| Stock No. | Mirs. Type | Func. tion | For PANASONIC | $\begin{gathered} \text { Quik } \\ \text { Kit } \end{gathered}$ | $\begin{aligned} & \text { Net } \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 P 57084 | 3101 | RP | 1015, 102S, 152 S | 21 | 11.00 |
| 28 P 57084 | 3101 | RP | 115, 500, 555 | - | 11.00 |
| 28 P 58165 | 1008 | RP | 755, 755S | 66 | 22.40 |
| 28 P 57100 | 1401 | E | 755, 755 S | 19 | 9.90 |


| For CONCORD |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 P 57084 | 3101 | RP | 320, 330 | - | 11.00 |
| 28 P 57019 | 1000 | RP | 4000, 401, 400RP | 66 | 22.40 |
| 28 P 57100 | 1401 | E | 440 , | 19 | 9.90 |
| 28 P 58090 | 1007 | R | 880 | 66 | 22.40 |
| 28. | 1007 | RP | 990, 994 | 66 | 22.40 |
| 28 P 57100 | 1401 | E | All above | 19 | 9.90 |

For VM Models

| For VM Models |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 P 57084 | 3101 | RP | $\begin{aligned} & 710(A), 711(A), 714,730, \\ & 750(A), 1000 \end{aligned}$ | 20 | 11.00 |
| 28 P 58066 | 1009 | RP | 710Q, 720, 722, 735 (add A track) 740(1), 741, 755, |  |  |
|  |  |  | 1001-(1, 2), 1002-(1, 2) | 38 | 21.50 |
| 28 P 57100 | 1401 | E | $7100,720,722,755$ | 8 | 9.90 |
| 28 P 57282 | 6002 | RPE | 740, 740-1, 741 | 38 | 30.90 |

frequencles to $100 \mathrm{kHz}, \mathrm{Av}$. Shpg. wt. 4 oz .
R-Record; P-Play; E-Erase. Mounting hardware where required. (See below). With instructions.

| Stock No. | Mfrs. Type | Function | For SOAY SUPERSCOPE Some Prefixed TC, SSA | *Qulk Kit | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 P 57019 | 1000 | RP | 262(D, SL), 464(C, S, D, SL) | 102 | 22.40 |
| 28 P 57019 | 1000 | RP | 300, 500, 501, 521 | 119 | 22.40 |
| 28 P 58090 | 1007 | RP | 200, 250, 260, 350, 530, 600 | 102 | 22.40 |
| 28 P 57100 | 1401 | E | 260, 350, 530 | 306 | 9.90 |



# Popular Replacement Cartridges 

## replacement sonotone ceramic cartridges


(2)

(5)


High pefformance ceramic cartridge now in use by many phono manufacturers and ideal for either general replacement or updating present equipment. Alt are stereo, stereomonaural except series 3 T which is for monaural use only. Series 21T, 24TA are designed

Stock Mo.
Stock NO.
24 P 79012 24 P 79020 24 P 79079 24 P 79087 24 P 79178 24 P 79194 24 P 79343 24 P 79350

| Model | Fig. | Styli | Net |
| :---: | :---: | :---: | :---: |
| 3T.S | 1 | S1-53 | 5.85 |
| 3T-SD | 1 | D1-53 | 7.92 |
| 8TA-4S | 2 | S.7-53 | 8.60 |
| 8TA-4SD | 2 | D.7.53 | 0.70 |
| 9TAFHC-S | 3 | S. 7.53 | 7.05 |
| 9TAFMC.SD | 3 | 0.7-53 | 9.09 |
| 10T2-LB-S | 4 | 5.7.53 | 4.89 |
| 1072-LB-SD | 4 | D.7-53 | 6.88 |

for use with translstorized equipment. Series 9TAF. 16TAF, 18T, 21T, and 24TA feature the accident-proof, drop-proof Sono. llex " ${ }^{2} F$ " stylus. All have standard mounting dimenslons. Styll code for all below: D-diamond, S-synthetic sapphire. Avg. shpg. wt., 3 oz.

## REPLACEMENT FOR SONOTONE 2TA.S CERAMIC CARTRIDGES



> This high lidelity monaural furnover cartridge is equipped with dual styli to play all types of both monaural and stereo records. Has .7 mil and 3 mil synthetic styli. Replaces a host of cartridges including previous Sonotone models of 2T series, 9980 series which were used in thousands of record changers and players. Frequency response: $20-20,000 \mathrm{~Hz}$ - flat to $12,000 \mathrm{~Hz}$; output 1 volt; compliance $2.0 \times 10^{-6} \mathrm{~cm} /$ dyne; tracking force 6 grams. Ceramlc element highly immune to heat and humidity. Imported.
> 24 P 79111 Shpg, wt., 3 oz.
> Net 3.95

## REPLACEMENT CARTRIGGES FOR VACO and RONETTE



Stereo/monaural with .7 mil and 3 mil styli, mtg. bracket and knob. Output 7 volts. Replaces VACO ST-2, ST2X, ST-20, ST20X, ST-100, ST-100X: Ronette types $1,2,3,4$. 92 and 105 series, stereo OV series and stereo T series; Astatic 86TSB, 80TS, and EV 95 and 97. Imported.
99 P 10167
REPLACEMENT STYLI
24 P 04192.7 mil for stereo 24 P 041763 mil for 78 Diamond .7 mil for stereo 24 P 01586

Replacements for thousands of changers and players both imported and domestic. All types equipped with synthetic sapphire styli and turnover mechanism. Imported. Shog. wt., 3 oz .

Stereo/monaural. Same as above but output is 2 volts. Replaces VACO ST4, ST4X, STS, ST5X, ST40, ST40X, ST200, ST200X and Ronnette 106 series, 208 series. Astatic 76 TSB, 70 TS and E.V, 96 and 98 . Imported. 24 P 79103
.Net 2.99
Monaural with 1 mil and 3 mil styli, mtg. bracket and knob, Output: $2-3$ volts. Replaces VACO types T45, T045, TO45X. Ron nefte types $15,18,21,24,7825$, DC395, C395S, DC400, DC-400-222, DC-400-222S DC500, T0-284 series, T0285才, T0287 series, TO.395 series, TO. $400-200$, T0-400-222; Astatic 420, 120 and E.V. 80, 88. Imported. 99 P 10225

Net 1.99


Styli code: D-diamond, S-synthetic sapphire. Preceded by size in mils. findicates Mon-aural-all others stereo. Shpg. wt., 3 oz.

| Stock No. | Fig. | Replaces Mfrs. No. | Astatic No. | E-V Me. | Styll | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 P 290661 | 8-1 | SN-45 | 420 | 5200 | 1s | 2.55 |
| 24 P 290331 | B-2 | SN-55, SN-H45, SN-H44 |  |  |  | 2.67 |
| 24 P 290414 | B-3 |  | 64TS | 5203 | 1S, 35 | 3.00 |
| 24 P 29017 | B-4 | ST-2V, ST-1V | 140 | 5227 | .75, 3 S | 3.60 |
| 24 P 79103 | B-5 | ST-4X, ST-5X, ST-40X | 474 | 5219 | .75, 3 S | 2.99 |
| 24 P 29074 ¢ | B.6 | CN-65, CN-68 | 146 | 5241 | 75, 35 | 3.30 |
| 24 P 29058 | B-6 | CN-720 | 140 D | 5202 D | 70, 3S | 5.10 |
| 24 P 29082 | 8-6 | CN-73, CN-75 | 142 | 5243 | .75, 35 | 3.30 |
| 24 P 29090 | 8-7 | TN-4A, TN-48 | 133 | 5208 | 75, 3s | 5.84 |
| 24 P 29025 | 8.7 | TN-4AD, TN-4BD | 133D | 52080 | 70. 35 | 7.65 |
| 24 P 29108 | B-7 | TN-8U, TN-8T | 133 | 5209 | .75, 3 S | 5.84 |



VR-1000 STEREO CARTRIDGES Variable reluctance stereo cartridges featuring extended frequency response and low tracking pressure. Supplied with diamond stylus.
VR.1000.3 ELIPTICAL DIAMONO NEEOLE STEREO CARTRIDGE. For any quality changer or tone arm that tracks from 3-7 grams vertical force. Shpg. wt., 502.
21 P 38493L $\qquad$ .Net 20.84
VR-1000.5 FOR TURNTABLES. Complete with .5 mil. diamond stylus for use with automatic turntables or professional tone arms that track at 4 grams or less. Shpg. wt. 5 oz . 21 P 38014L Net 15.10
VR-1000.7 FOR CHANGERS. Essentially the same as VR-1000-5 but designed for the greater $3-7$ gram tracking force required by most record changers. . 7 mil diamond stylus. 21 P 38030L Shpg. wt. 5 oz. Net 12.59 VR-II MONAURAL CARTRIDGES
Variable reluctance monaural cartridges featuring smooth frequency response and ex. tremely high compliance. Utilizes clip-in tip stylus assembly for simple installation. Cartridges supplied less stylus. Select stylus type(s) to sult your particular application from Ilsting below.
VR-IIS SINGLE-TYPE CARTRIDGE. "SINglePlay" cartridge accommodating one stylus. Supplled less stylus. Select stylus from listing below. Shpg, wt., 3 oz.
21 P 38519 L Cartridge less stylus.. Net 5.42 VR. 110 DUAL TYPE CARTRIDGE. Convenient dual stylus "Triple.Play" cartridge. A twist of the knob brings elther microgroove (LP or 45 RPM) or standard 78 RPM stylus into position. Supplied less styll. Select styll from listing below. Shpg. wt., 3 oz.
21 P 38535 L Cartridge less styli... Net 6.67

> G.E. STYLI

Individual stylus tips for VR-1I series cartridges. D-diamond stylus, S-synthetic stylus. Shpg. wt., 302.

| Stock No, | GE Type | Stylus | Net |
| :--- | ---: | ---: | ---: |
| 21 P 38188 L | 4G-07S | .7 mil S | 1.42 |
| 21 P 38196 L | 4 G .02 S | 2.5 mil S | 1.42 |
| 21 P 38204 L | 4G-03S | 3 mil S | 1.42 |
| 21 P 38212 L | 4G-07D | .7 mil D | 3.33 |
| 21 P 38220 L | 4G-02D | 2.5 mil D | 3.33 |
| 21 P 38238 L | 4G.03D | 3 mil D | 3.33 |

ELECTRO-VOICE FEATHERIDE
WIDE-RANGE CERAMIC

- Absolutely
Scratch
Proof
- Plays Stereo
or Monaural

Protect your records with these fine floating. action spring-suspension cartridges which makes it practically impossible to damage either record or stylus. Reduces distortion caused by warped records. Both are Mi-fi quality and will fit all standard arms with 7/is" or $1 / 2^{\prime \prime} \mathrm{mtg}$. centers. Excellent separation and low distortion. Equipped with .7 mll diamond and 3 mil synthefic sapphlre styli. Shpg. wt., 3 oz.
TYPE 1490F Tracking pressure 2.4 grams. 24 P 30163 ..............................Net 10.50 TYPE 1500F Traching pressure 4.6 grams.
24 P 30171

# Astatic, Electro-Voice and Arista Cartridges 

| ONAURAL REPLACEMENT CARTRIDGES |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
| Stock No. | Fig | Ast. No | E.YNo. | Outaut | Styli |  |
| 24 P 51052 | a | 18 | 17 | 3.5 | Less S |  |
| ${ }_{24}{ }^{24} 5856588$ | $\stackrel{\text { R }}{ }$ | 409 | ${ }_{28}^{18}$ | 1.0V | 1s, 3 S |  |
| 24 P 50716 | T | ${ }^{62 T}$ |  | ${ }^{1.00}$ | 1s,3s | 97 |
|  | U | SGIS | 162 | 3.0 |  | 2.97 |
| ${ }_{24}{ }^{24} 550740$ | 1 | 6674 | 49 | 3.0 V | 1s,3s |  |
| 24 P 51102 | a | ${ }_{120}^{66-2}$ |  | 3.0 V 3.0 V |  | ${ }_{3.97}$ |
| ${ }_{24}^{24} \mathrm{P}_{51383}$ | x |  | 5549 | 3.0 V | 1s.3s | 3.87 |
| 24.450799 | Y | ${ }^{31009}$ | 63 | ${ }_{3}^{3.00}$ |  | 3.3 |
| ${ }_{24}^{24 \times 550823}$ | AA | - $3110-7$ | 58 <br> 68 <br> 8 | 3.0 O 3 3.0 V |  | 2.37 <br> 3.27 |
| ${ }_{24}^{248} 51045$ | ${ }_{8 B}^{88}$ | 414.1 414.2 | 71 | ${ }^{3.0 \mathrm{O}}$ | ${ }_{25}^{15}$ | ${ }_{2}^{2.6}$ |
| 24 P 50864 |  |  | 80 | 3.0 V | 15,35 | 3.27 |
| 4P50872 |  |  |  |  |  |  |

REPLACEMENTS FOR MAGNAVOX CARTRIDGES

|  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stack No. | Fig. | Ast. No. | Replaces Magnavor No. | Styll | Net |
| 24 P 51185 | DD | 461 | 560281-3,4; 560296-3,4 | 7S,3S | - |
| 24.81193 | D0 | 4610 | 560290-1,3 | .70,3S | 8.70 |
| 24 P 51219 | EE | 4590 | 560275-1,2; 560228-1,2 | .70,3s | 70 |
| 24 P 51409 | FF | 163 D | 560350-1,2; 560360 | .70,3s | 8.70 |
| 24 P 51417 | FF | 1650 | $560355 \cdot 1$ | .70,3s | 7.50 |
| 24 P 51516 | FF | 1950 | 560365-2; 560345-1 | .70,3S | 7.50 |
| 24 P 53025 | GG | 1770 | 560337-1; 560338-1 | .70,3S | 7.50 |
| 24P53033 | HH | 645 | 560313-1 | 75 | 4.20 |
| 24 P 53041 $\dagger$ | 1 | 609 | 560313.5;-3 | 15 |  |

$\dagger$ Monaural. All others are Stereo.


| Stock No. | Fig. | Ast. No. | E-Y No. | Replaces RCA No. | Styli | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 P 51227 | J | 475 | 54 | 108213, A; 110021 | .7S,35 | 6.00 |
| 24 P 51235 | IJ | 4750 | 540 | 106960, A; 110023 | .70,3S | 11.40 |
| 24 P 51243 | J | 477 | 133 | 106770,1,A,B | .75,35 | 6.00 |
| 24 P 51276 | נ | 4870 | 1950 | 111348 | .70,35 | 11.61 |
| 24 P 53058 $\dagger$ | KK | 346 | 263 | 115058 | .75 | 4.17 |
| 24 P 53066 | KK | 348 | 264 | 115059 | . 75 | 4.77 |
| 24 P $53074 \dagger$ | KK | 602 |  | 118187 | . 7 S | 4.17 |
| 24 P 53082 | LL | 353 D | 51900 | 115276,7; 115703 | .7D,3S | 8.97 |
| 24 P 53090 | MM | 6130 | 51910 | 116931; 116932 | . 70 | 8.37 |

$\dagger$ Monaural. All others are stereo.

REPLACEMENTS FOR GENERAL ELECTRIC


| Stock No. | Fig. Ast. Na. EV No. |  |  | Replaces GE No. | Styli | Ne |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 P 53108 ${ }^{\text {\% }}$ | NN | 434 | 5178 | RT-1054(Show \& Tell) | 1S | 2.6 |
| 24 P 53116 ${ }^{\text {¢ }}$ | 00 | 661 | 5546 | RT-4240 | 15 | 3.7 |
| 24 P 53124 $\dagger$ | pp | 635 | 5376 | RT-3424 | 15 | 3.2 |
| 24 P 53132 $\dagger$ | QQ | 604 | 5180 | RT-1051 | 1S,3S | 3.2 |
| 24 P 53173 | RR | 4850 | 1490 | C100A | .70,3S | 8.0 |
| 24 P 53181 | RR | 4850 | 1490 | C200 | .70,35 | 8.0 |
| 24 P 53140 | SS | 349D | 2380 | C500 | .70,35 | 10.4 |
| 24 P 53157 | SS | 351D | 2390 | C650 | .70,35 | 9. |
| 24 P 53165 | II | 3570 | 55460 | C660 | . 70 | 9. |

†Monaural. All others are stereo.
REPLACEMENT CARTRIDGES FOR GARRARD MODELS 30, X10 and X11


Garrard Models $30 \times 10$ and $\times 11$ all use one of these stereo ceramic cartridges. All turnover cartridges with .7 mil diamond and 3 mi synthetic sapphire styli.

| Stock No. | Fig. | Garrard Model Used | Ast. No. | E-V No. | Net |
| :---: | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 24 P 30239 | UU | $30(1968$-early 1971) | 6550 | 50150,50260 | 6.90 |
| 24 P 37044 | WV | 30 (Late 1971-1973) | 12500 | 55660 | 7.95 |
| 24 P 53199 | WW | $\times 10, \times 11$ | 6750 | 50800 | 7.20 |

REPLACEMENT CARTRIDGES FOR BSR


| Stock No. | Fig. | Mfr. No. | Ast. No. E-V No. |  | Styll | Output | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 P 53207 $\dagger$ | A-1 | $\mathrm{TC8H}$ | 420 | 120 | 15,3S | 3.3 V | 2.88 |
| 24 P 53215 | A-1 | TC8S | 86TSB | 121 | .75,3S | 0.8V | 4.68 |
| 24 P 53223 | A-2 | C1 | 667 | 274 | . 7 S , 35 | 0.5V | 4.98 |
| 24 P 40014 $\dagger$ | A-3 | X1HE, X3H | 614 | 5369 | 1S,3S | 4.0 V | 1.79 |
| 24 P 40022 | A-4 | SX1H | 612 | 272 | .75,35 | 2.8 V | 2.45 |
| 24 P 53231 | A-4 | SXIM | 610 | 271 | .75,35 | 1.0 V | 3.60 |
| 24 P 40097 | A. 5 | SX5H | 612 | 5344 | .75,35 | 2.0 V | 2.49 |
| $24 . P 53249$ | A. 5 | SC5M | 667 | 5540 | .75,35 | 0.3 V | 4.80 |
| 24 P 51524 | A-5 | SC5H | 667 | 5363 | .7S,3S | 0.6 V | 4.80 |

†Monaural. All others are Stereo.

## REPLACEMENT FOR POPULAR RCA



Exact replacement for many RCA 45 RPM and $331 / 2$ RPM cartridges. Replaces RCA 74067, 74625, 75575, 76318; Shure W31AR, P73, P73A, P73AR, P73R; Astatic 62-1; E.V 41. 1-mil synthetic sapphire stylus. Imported. Shpg. wt., 3 oz.
24 P 60012
Net 1.45

## Astatic, Electro-Voice, and Arista Cartridges <br> In order to provide you with the widest variety of phono cartridges.

Lafayette stocks three major lines: Astatic. Electro-Voice, and Arista. We will supply one of these when filling your order, Some types imported. All cartridges Indicated as Stereo are compatible for use with Monaural records. Shpg. wt. of all cartridges, 3 oz .

CODES; The following abbreviations are used in this phono cartridge section to help selection of the correct cartridge.
1S- 1 mil synthetic sapphire for LP records.
2S- $\mathbf{2}$ mil synthetic sapphire for LP and 78 RPM records.
35-3 mil synthetic sapohire for 78 RPM records.
$.75-7$ mil synthetic sapphire for stereo records.
10-1 mil diamond for LP records.
.7D-. 7 mll diamond for stereo records.
Example: 70 , 3 s indicates two tips. One .7 mil diamond for stereo and one 3 -mil synthetic sapphire for 78 RPM records.



## REPLACEMENT CARTRIDGES FOR LAFAYETTE RECORD CHANGERS AND PHONOGRAPHS

| STOCK NO. | For LAF, Model | MFR/TYPE | NET |
| :---: | :---: | :---: | :---: |
| 24 P 29017 | 200 | ST2V | 3.60 |
| 24 P 38018 | 400 | 11160 | 9.90 |
| 21 P 01665 | AC50, AC5CB | GP200, 310 | 4.95 |
| 24 P 30239 | 30 | 5026D | 6.90 |
| 24 P 29025 | LSC45. LSC45B, LSC100B. LSCB000, LSC8000B, LSC888, LSC9000 | TN4BD | 7.65 |
| 24 P 51524 | MC22, LSC90. LSC95 | SC5H | 5.37 |
| 24 P 40097 | LSC25, LSC50, MS24, 160 | SX5H | 2.49 |
| 24 P 29033 | M58 | SNH44 | 2.67 |
| 24 P 29041 | MC10C | TOH44 | 3.00 |
| 24 P 29058 | T33. TPS30, TPS35 | CN720 | 5.10 |
| 24 P 54006 | LSC6000. LSC55 | 1-A3D-BSR50 | 3.99 |

## EXACT REPLACEMENTS FOR MOST POPULAR PLUG-IN AND POWER POINT CARTRIDGES

Exact replacement for the popular Electrovoice power points, Astatic Sound-flow and Jensen combination cartridge-styli.

$$
\text { Shpg. wt, } 3 \text { oz }
$$

Replacement for Astatic 131X, Electrovoice 130, and Jensen A-44XSD. Has diamond .7 mil and synthetic sapphire 3 mil styli. 24 P 37036
.Net 4.25


Replacement for Astatic 13T. Electrcvoice 13, and Jensen A-44X. Same as above but both tips synthetic sapphire.
24 P 37028
Net 2.95
Replacement for Astatic 81T. Electrovaice 81, and Jensen A-41. Has 1 mil and 3 mil styliboth synthetic sapphire.
24 P 37010
Net 1.89
As
Low
As

| Stock No. | Fig. | Ast. No. | E-V No. | Output | Styll | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 P 50534 | 1 | 70.TS | 143 | 2.0 V | 75.3S | 4.35 |
| 24 P 50542 | J | 74-TS | 144 | 2.0 V | 7S.3S | 4.35 |
| 24 P 50559 | K | 76TSE | 142 | 2.0 V | 7S,3S | 4.77 |
| 24 P 50567 | 1 | 80-TS | 145 | 0.8 V | 7S.3S | 4.50 |
| 24 P 50575 | L | 17 |  | 0.4 V | 75,35 | 7.05 |
| 24 P 50583 | 1 | 170 | - | 0.4 V | .70.3S | 9.45 |
| 24 P 50591 | K | 860 | 1460 | 0.8 V | .70,3s | 8.10 |
| 24 P 50609 | K | 86TSE | 146 | 0.8 V | .7S,3S | 5.10 |
| 24 P 51359 | M | 133 | - | 0.5 V | .75,35 | 5.85 |
| 24 P 51367 | M | 1330 |  | 0.5 V | 70.3S | 8.25 |
| 24 P 51318 | $N$ | 140 | 5547 | 1.0 V | .75,35 | 4.50 |
| 24 P 51326 | N | 1400 | 55470 | 1.0 V | .70,3S | 7.50 |
| 24 P 51375 | N | 142 | 5548 | 2.0 V | .7S,35 | 4.35 |
| 24 P 51425 | N | 1420 | 55480 | 2.0 V | .70,35 | 7.35 |
| 24 P 51433 | N | 142 R | - | 2.0 V | .75.35 | 5.55 |
| 24 P 51441 | N | 142 RD | $\overline{-}$ | 2.0 V | .70,35 | 7.35 |
| 24 P 51458 | 0 | 710 | 220 | 0.5 V | .7S.3S | 5.97 |
| 24 P 51466 | 0 | 7100 | 2200 | 0.5 V | .70,3S | 9.90 |
| 24 P 53009 | P | 713 | 149 | 0.5 V | .7S.35 | 5.97 |
| 24 P 53017 | P | 7130 | 149D | 0.5 V | .70,35 | 8.97 |

## E-V SERIES 26 STEREO REPLACEMENT CARTRIDCES



This ceramic turnover cartridge has been used by many popular phono manufacturers including Atrilne, Magnavox, Packard Bell. Philco, Sears and Zenith. Also replaces E-V Series 21.

| Stack No. | EV No. | Output | Styli | Net |
| :---: | :---: | :---: | :---: | :---: |
| 24 P 30098 | 26. 21 | 0.5 V | .75,3S | 90 |
| 24 P 30114 | 26D,210 | 0.5 V | .70,3S | 9.90 |

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

Lafayette's open reel, cassette and 8 track blank tape is made by outstanding, nationally known manufacturers. It is first quality, splice free, red oxide coated, with full frequency response. uniform output and no "dropouts." Resistant to moisture, heat, cold, 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 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 .

|  |  |  |  |  | Net Per Reel |  |  |
| :--- | ---: | ---: | :---: | :---: | :---: | ---: | ---: |
| Stock No, | Feet | Reel | Mils | Wt. Its. | $1-4$ | $5-24$ | 25 up |
| 28 P 01025 | 600 | $5^{\prime \prime}$ | $11 / 2$ | $1 / 2$ | .99 | .90 | .85 |
| 28 P 01033 | 900 | $5^{\prime \prime}$ | 1 | $1 / 2$ | 1.20 | 1.10 | .99 |
| 28 P 01017 | 1200 | $7^{\prime \prime}$ | $11 / 2$ | 1 | 1.59 | 1.49 | 1.35 |
| 28 P 01041 | 1800 | $7^{\prime \prime}$ | 1 | 1 | 1.98 | 1.88 | 1.79 |

## LAFAYETTE TENSILIZED MYLAR ${ }^{(3)}$ 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 foot. age per reel. individually boxed.

| Stock No. | Feet | Reel | Mils | Wt. Ibs. | Net Per Reel |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 1.4 | 5-24 | 25 up |
| 28 P 01090 | 300 | $3^{\prime \prime}$ | 1/2 | $1 / 4$ | . 69 | . 63 | . 59 |
| 28 P 01108 | 600 | $31 / 4^{\prime \prime}$ | $1 / 2$ | 1/4 | . 99 | . 90 | . 81 |
| 28 P 01116 | 1200 | $5{ }^{\prime \prime}$ | 1/2 | 1/2 | 2.25 | 2.03 | 1.83 |
| 28 P 01082 | 2400 | $7{ }^{\prime \prime}$ | $1 / 2$ | 1 | 3.49 | 3.14 | 2.85 |
| 28 P 01231 | 3600 | 7" | 1/2 | $11 / 4$ | 4.98 | 4.49 | 3.99 |
| - Mylar is the registered DuPont trademark |  |  |  |  |  |  |  |
| for its polyester film. |  |  |  |  |  |  |  |

## LAFAYETTE MYLAR ${ }^{\text {® }}$ BASE <br> RECDRDING 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. wt., 1 lb .

|  |  |  |  |  | Net Per Reel |  |  |
| :--- | :--- | ---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Feet | Reel | Mils | Wi. Ibs. | $1-4$ | $5-24$ | 25 up |
| 28 P 01058 | 1200 | $5^{\prime \prime}$ | $1 / 2$ | $1 / 2$ | 1.75 | 1.58 | 1.42 |
| 28 P 01065 | 1800 | $7^{\prime \prime}$ | $1^{\prime \prime}$ | $1^{\prime 2}$ | 2.14 | 1.93 | 1.75 |
| 28 P 01074 | 2400 | $7^{\prime \prime}$ | $1 / 2$ | 1 | 3.10 | 2.79 | 2.51 |

## LAFAYETTE TAPE FOR AUTOMATIC REVERSING TAPE RECORDERS

These tapes are specifically intended for tape recorders providing automatic reversing of tape. Each tape has a green color coded leader, a red color coded trailer, and a metai sensing strip at each end to activate the automatic reversing mechanism in tape machines having this feature. This tape may also be used on machines which do not reverse tapes. Average Shpg. wt., 1 lb .

| Steck No | Feet | Reel | Description | Net Per Feel |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28 P 01165 | 1200 | $5^{\prime \prime}$ | $1 / 2$ mil mylar | 1.99 | 1.84 | 1.67 |  |
| 28 up 01173 | 1200 | $7^{\prime \prime}$ | $11 / 2$ mil acelate | 1.84 | 1.73 | 1.62 |  |
| 28 P 01181 | 1800 | $7^{\prime \prime}$ | 1 | mil mylar | 2.89 | 2.69 | 2.43 |
| 28 P 01199 | 2400 | $7^{\prime \prime}$ | $1 / 2$ mil tens mylar | 3.99 | 3.74 | 3.52 |  |

## LAFAYETTE 8-TRACK CARTRIDGE MYLAR RECORDING TAPE



As Low As 29

Continuous loop 8-track cartridges well lubricated to preserve tape life, Fits all standard 8-track recorders and players. With UNI-tension pressure pads, prectsion molded tape guide. Shpg. wt., 6 oz.

| Stock |  | Record | Net Each |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| No. | Time | 1.5 | $6-11$ | 12 up |  |
| 28 P 01421 | 35 Min | 1.69 | 1.49 | 1.29 |  |
| 28 P 01439 | 70 Min | 1.95 | 1.79 | 1.49 |  |
| 28 P 01355 | 80 Min | 2.25 | 2.05 | 1.85 |  |

LAFAYETTE STEREO CHECK OUT AND DEMONSTRATION TAPES


- Separate Tapes for 8-Track, Cassette, Reel to Reel

Every owner of a 2-channel stereo Tape Recorder or Tape Deck should have one or all of these tapes. Tests and balances your equipment for optimum audio reproduction. Test portion 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. | Type | Net ea. |
| :---: | :---: | :---: |
| 28 P01389 | 7" Reel-to-Reel | 2.95 |
| 28 P 01371 | 8 Track Tape Cartridge | 2.95 |
| 28 P01397 | Cassette | 2.95 |



LAFAYETTE QUADRUPLE-PLAY $1 / 4$ MIL. RECORDING TAPE

- Four Times More Recording Time Than Standard Tapes - Up To 32 Hours Recording

Greatly extends the playing time of all recorders, particularly $31 /{ }^{\prime \prime}$ reel machines. An ultra-thin $1 / 4$ mil tensillzed mylar recording tape with high-density magnetic coating. Offers excelfent frequency response for sharper, brighter recordings. Outstanding performance with capstan-drive recorders.
1100 Ft . on $31 / \mathbf{4}^{\prime \prime}$ Reel. Records 7 hours 20 minutes (all four tracks) at $17 / 8 \mathrm{ips}$; 3 hours 40 minutes at $33 / 4 \mathrm{ips}$. Shpg. wt., 4 oz . 28 P 01256

Net 2.20
2400 Ft . on $5^{\prime \prime}$ Reel. Records 16 hours (all four tracks) at $17 / 8$ ips; 8 -hours at $34 / 4 \mathrm{ips}$. Stereo 2 -track records 8 -hours at $17 / 8$ ips, 4 -hours at $33 / 4 \mathrm{ips}$. Shpg. wt., $1 / 2 \mathrm{lb}$.
28 p 01264
Net 4.65
4800 Ft . on $7^{\prime \prime}$ Reel. Records 32 hours (all four tracks) at $17 / \mathrm{ips}$ : 16 hours at $33 / 4 \mathrm{ips}$ : 8 -hours at $71 / 2$ ips. Stereo 2 -track records 16 hours at $17 / 8 \mathrm{ips}$. 8 -hours at $31 / 4 \mathrm{ips}, 4$ - hours at $71 / 2 \mathrm{ips}$, Shpg. wt., $3 / 4 \mathrm{lb}$.
28 P 01272
Net 8.95


8-TRACK DEMO TAPE
LAFATETIE 4-Channel
Stereo 8-Track
Demonstration Tape
"Listening is Believing"
Ideal tape cartridge to make sure your 4 -channel 8 -track stereo sys tem is properly set up. Program 1 on the tape includes 400 Hz signals for left front speaker, right front speaker, left rear speaker, right rear speaker. Next yos will hear Leonard Bernstein and the New York Philharmonic play excerpts from Tchaikovsky's 1812 Overture firsi in Mono, then in 2-channel stere o, and lastly-magnificent 4-channel stereo. Program 2 consist's of excerpts from Tchaikovsky's Swan Lake Ballet in breathtaking 4 -channel stereo. Shpg. wt., 6 oz . 28 P 01413 L

# Lafayette Blank Tape Cassettes 

## LAFAYETTE STANDARD BLANK TAPE CASSETTES



As Low As
$69^{\circ}$

## 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 casseltes manufactured to our speciflcations, with extra deluxe features. Deep lubricated, super-calendered tape. Head cleaning tape at one end removes accumulated material from recorder heads. Sensing foils at each end actuate recorders having automatic reversing capabilities, but may also be used on all cassette recorders. Imported. Shpg. wt., 5 oz.

| Stock No. | Model No. | Playing Time | $1.9$ | 10 Up |
| :---: | :---: | :---: | :---: | :---: |
| 28 P 01298 | C. 30 | 30 Minutes | 1.09 | . 99 |
| 28 P 01306 | C. 60 | 60 Minutes | 1.29 | 1.16 |
| 28 P 01314 | C. 90 | 90 Minutes | 1.99 | 1.76 |
| 28 P 01322 | C-120 | 120 Minutes | 2.99 | 2.69 |

## NEW! LAFAYETTE CHROMIUM DIOXIDE

 CASSETTES $2^{239}$ - Increases High Frequency Levels - Reduces Inherent Tape Noise
A $60-\mathrm{minute}$ recordling cassette using a chromium-based coating to provide low distortion, increased high frequency levels, and reduced inherent tape noise. Specifically designed and recommended only for recorders equipped with CrO, bias switches. Manufactured with Dupont Crolyn@ tape. Hard plastic storage box. Imported. Wt., 402. 28 P 01496 C-60 1-9, Net ea. 2.4910 or more, Net ea. 2.29 C-90 Chromium Dioxide Cassette. Same high quality chromium tape as above in a 90 -minute cassette. imported. Shpg. wt., 5 oz . 28 P 01504 C 90 1-9, Net ea, 3.2510 or more, Net ea. 2.99

LAFAYETTE C-60 CASSETTE 6-PAK
FREE Carrying Case and 6 Plastic Storage Boxes
With Purchase of 6 C-60 LAFAYETTE Cassettes


COMPLETE LIBRARY WHEN YOU BUY ONLY 6 LAFAYETTE C-GO CASSETTES

Simply buy six Lafayette 60-minute cassettes at Lafayette's regular low price and you get a handsome vinyl carrying case and 6 additional emply soft plastic hinged storage boxes at no additional cost-a veritable cassette tape library! These 60 -minute cassettes are Lafayette's regular high quality lubricated blank cassettes priced at 99c. Complete package consists of six C-60 blank cassettes, 12 plastic storage boxes and vinyl leatherette carrying case. 28 P 01454 Wt.i, $13 / 4$ Ibs. Net 5.94

High quality tape assures full fidelity recording. Records and plays 2 -tracks at $1 / 8 \mathrm{ips}$. Super strong polyester base. Proper lubrication for longer tape life. Protects heads. Imported. Shpg. wt., 4 oz.

|  |  |  | NET EACH |  |
| :--- | :---: | :---: | ---: | ---: |
| Stock No. | Model No. | Playing Time | 1-9 | TO Up |
| 28 P 01280 | C-30 | 30 Minutes | .79 | .69 |
| 28 P 01223 | $\mathrm{C}-60$ | 60 Minutes | .99 | .89 |
| 28 P 01207 | $\mathrm{C}-90$ | 90 Minutes | 1.49 | 1.39 |
| 28 P 01215 | C-120 | 120 Minutes | 2.19 | 1.99 |


-FI CASSETTES

| C-60 UD | 2.25 |
| :--- | :--- |
| C-90 UD | 2.99 |
| C-120 UD | 3.99 |

- Wide Dynamic Range-$30-20,000 \mathrm{~Hz}$ 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 Mechanism
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 range with a frequency response of $30-20,000 \mathrm{~Hz}$. The low noise, dis-tortion-free high output results in the highest performance that can be expected of a cassefte tape. Each tape has a section of head cleaner at one end and sensing foils at each end to actuate equipment having automatic reversing capabilities, but may be used on all cassette recorders. In hard, clear plastic hinged album storage box. Imported. Shpg. wl., 5 oz.


## C-GOUD 60-MINUTE HI-FI CASSETTE

99 P 15851
…UTE MIFI CASSET.
C-90U0 90.
NUTE KI-FI CASSETTE
C-120UO 120-MINUTE HI-FI CASSETTE
99 P 16032

## TDK HI-FI CASSETTES



- Low Noise Level.

As Low As - Frequency Response $30-20,000 \mathrm{~Hz}$.

## 60 MINUTE C-60SO

This 60 minute hi-fi tape uses a new gamma ferric oxide developed for high-density recording. The wide dynamic recording range 32 $20,000 \mathrm{~Hz}$. Makes available low noise, distortion-free output for the highest performance that can be expected of a cassette tape. Imported. Shpg. wt., 5 oz .
28 P 01249
..Net 2.29

## 90 MINUTE C-90SD

A 90 minute cassette having the same high quallty characteristics, specifications and performance as the C-60SD cassette above. Im. ported.Stipg. wt., 4 oz
28 P 01363
Net 2.99

## 120 MINUTE C.120SD

A 120 -minute cassette with the same specifications as C-60SD and C-90SD, above. Shpg. wt., 402.
28 P 01512
Net 3.99
20 Minute Automatic Repeating Cassette


- Endless Repeat Cassette
- Ideal For Displays, Background Music,

Sales Training And Sleep Learning
An automatic endless repeat cassette that records and plays back for 20 minutes on any cassette recorder. The recording is automatically repeated with no appreciable difference in its excellent sound quality after thousands of hours of use. Particularly suited for applications where repetition and faultless reproduction are required. Shpg. wt., 402 .
28 P 55005


TYPE 111 STANDARD TAPE- $11 / 2$ Mil Acetate Coated with red oxide. Popularly used for high fidelity all purpese recardings. On plastic reels. Ay. shpg. wt., $1 / 2 \mathrm{lb}$. ea.

| Stock Nq | Type No. | Reel | Length Feet | $1-11$ | $12 \mathrm{Up}^{2}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 P 33044 | 5 | 3" | 150 | . 55 | 49 |
| 28 P 33069 | 111.6 | 5 | 600 | 1.77 | 1.59 |
| 28 P 33077 | 111-12 | 7" | 1200 | 2.67 | 2.40 |
| TYPE 202, 2 fessionals, b speeds witho transcribing. | "DYNA now a loss of hpg. wt., | SERIES-Designed primarily for profor home recording. Permits slower Low noise level, long wear. Ideal for |  |  |  |



TYPE 206, 207 HIGH OUTPUT-LOW NOISE TAPE--Professional master. ing tape with $50 \%$ increase in output over standard low noise tapes "Positrak" backing extends tape life, eliminates dropouts. Available in 60 and 90 minute lengths, recording both directions at $71 / 2$ IPS. Shpg. wt., $11 / 4$ lbs.

|  |  | Playing Time | Net Each |  |
| :--- | :---: | :---: | :---: | :---: |
| Stock No, | Type No. | at 71/2 IPS | $\mathbf{1 . 1 1}$ | $\mathbf{1 2}$ Up |
| 28 P 33507 | $206-1 / 4-$ R60 | 60 -minutes | $\mathbf{4 . 4 9}$ | $\mathbf{4 . 0 4}$ |
| 28 P 33515 | $207-1 / 4-R 90$ | 90 minutes | 5.69 | 5.12 |

TYPE 175 TENZAR-1 $11 / 2$ Mil tenzar coated with a high potency oxide, offers 16 times greater tear resistance than acetale backing. For continuous play, fast stops and starts non-drying silicone lubricated to protect recorder heads. Avg. shpg. wt., 1 lb .

|  |  |  |  | Net Each |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Type No. | Reel | Length Feet | 1.11 | 12 Up |
| 28 P 33275 | $175-6$ | $5^{\prime \prime}$ | 600 | 1.68 | 1.51 |
| 28 P 33283 | $175-12$ | $7^{\prime \prime}$ | 1200 | 2.58 | 2.32 |

## SCOTCH CASSETTE TAPE

"Positrak" backing eliminates "wow" and assures jam-free cassette performance. In plastic storage boxes. Avg. shpg. wt., 6 oz. EXTENDED ENERGY CASSETTES - Highest quality, low noise, dependable casselte unsurpassed in dynamic range.

| Stock No. | Type | Minutes | Not Each |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1.11 | 12 Up |
| 28 P 33473 | S.C. 30 | 30 | 1.69 | 1.52 |
| 28 P 33416 | S.C. 60 | 60 | 1.99 | 1.79 |
| 28 P 33457 | S.C.90 | 90 | 2.99 | 2.69 |
| 28 P 33465 | S.C. 120 | 120 | 3.99 | 3.59 |

HIGH: ENERGY CASSETTES - New cooalt-energized oxide provides 3 to 5 do increase in signal-to-noise ratio. Fully compatible with all cassette recorders.

|  |  |  | Net Each |  |
| :--- | :---: | :---: | :---: | :---: |
| Stock No. | Type | Minutes | 1.11 | 12 Up |
| 28 P 33523 | S-C-30HE | 30 | 1.89 | 1.70 |
| 28 P 33531 | S.C-60HE | 60 | 2.19 | 1.97 |
| 28 P 33549 | S-C-90HE | 90 | 3.29 | 2.96 |



## "LIVING LETTERS" 3 INCH TAPE IN PLASTIC MAILERS

$3^{\prime \prime}$ reels providing $1 / 4,1 / 2$ or 1 hour recordings. In convenient hinged plastic maliers nieeting postal standards. Shpg. wt., 502.

|  |  |  | Net Each |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | Type | Lgth. Ft. | 1-11 | 12 Up |
| 28 P 33424 | 111-1.51L | 150 (h/4 hour) | 72 | . 65 |
| 28 P 33432 | 200-3LL | 300 (1/2 hour) | 1.46 | 1.31 |
| 28 P 33259 | 290-6LL | 600 (1 hour) | 1.99 | 1.79 |

28 P 33259 290-6LL 600 (l hour) $1.99 \quad 1.79$
\$11 ADDRESS LABELS FOR LL MAILING CONTAINERS. Package of 10 additional pressure-sensltive adhesive address labels for "Living Letters" plastic mailing boxes. Shpg. wt. 3 oz . 28P 33440 .................. of 12 , ea. 45 Singty, Ea. 50

TYPE 150 EXTRA-PLAY TAPE-1-Mil extra strong Polyester base high fidelity tapes. Withstands high tension and break resistant. All plastic reets. Avg. shpg. wt., 1 lb .

| Stock No. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Type Na. | Reel | Length Feet | 1.11 | 12 Up |
| 28 P 33168 | 150-9 | $5{ }^{\prime \prime}$ | 900 | 2.40 | 2.16 |
| 28 P 33176 | 150.18 | 7" | 1800 | 4.11 | 3.70 |
| TYPE 200 TENSHLIzE Tensillzed Polyester . 50 mil tapes. Provides twice as much playing time as the 1.5 mil standard tape. Stronger and more durable than usual long-play tapes. On plastic reel. Avg. shpg. wt., 1 lb . |  |  |  |  |  |


| \$teck No. | Type No. | Reel | length Feet | $1-11$ | ch <br> 12 U |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 P 33218 | 200-24 | $7{ }^{\prime \prime}$ | 2400 | 6.68 | 6.01 |
| TYPE 290- $1 / 2$ MH polyester tensilized tape super strong $50 \%$ extra dlaving time has silicon lubricant to give minimum of friction wear |  |  |  |  |  |
|  |  |  |  |  |  |
| Stock No. | Type Ne. | Reel | length Feet | Net Each |  |
|  |  |  |  | 1.1 | 12 U |
| 28 P 33242 | 290.18 | 5 " | 1800 | 4.92 | 4.43 |
| 28 P 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 $41-1 / z-12.51 / 2 \times 150^{\prime \prime}$ คoll in bag.
28 P 33291 . 43 SCOTCH $41-7 / 32 \mathrm{~L}$ 7/ax $\times 6^{\circ}$. Less dispenser. 28 P 33309

Lots of 12. Ea. . 64 Singly, Ea. . 71

## SENSING TAPE

Type $517 / 325-10$ actuate automatic stop and reverse on recorders so equipped, $150^{\prime \prime}$ long $\times 1 / z^{\prime \prime}$ wide. One side foll, other adhesive. Shpg. wt., 202.
28 P 33150
Lots of 12, Ea. 1.70 Singly, Ea. 1.89

## LEADER-TIMER TAPE

Type 24-1 W - Has 1 second interval markings for $71 / 2^{\prime \prime}$ and $15^{\prime \prime}$ per second speeds. 100 ft . $1 / \mathrm{al}^{\prime \prime}$ wide roll. Individually boxed. 2 oz . 28 P $33325 . . . . . . . . . . . . . . . . .$.

## 7" SELF-THREADING REEL

Type PRST.7-Just lay recording tape inside and start recorder. Threads automatically. Snap-tight coltar seals edges against dust. Stipg. wt., 802.
28 P 33317


These 3 M -track blank cartridges contain specially designed lawnoise tape with exclusive lubrlcant assuring smoothest tape travel and longest tape life. 1 mil polyester film with special oxide surface for finest fidelity. Available in 40 -minutes and $80-$ minutes recording lengths. Includes cardboard storage half-box and indexing label. Shpg. wt., 602.

|  |  |  | Ne? each |  |
| :--- | :--- | :--- | :--- | ---: |
| Stack No. | Type | Recards | 1.11 | $12-1 p$ |
| 28 P 3348 | S-8TR-10 | 40 min. | 2.17 | 1.97 |
| 28 P 33499 | S-8TR -80 | 80 min. | 2.53 | 2.27 |

## Tape Storage Units and Carrying Cases

## Super Deluxe Tape Cartridge Storage Cabinet <br>  <br> $19^{95}$

The ultimate in tape storage featuring a true wood finish hinged drop down door and molded insert which stores tapes in individual compartments. Construction similar to fine speakers. Size $241 / 4 \times 63 / 4$ $\times 111 / 4^{\prime \prime}$. Shpg. wt., $81 / 2 \mathrm{lbs}$.
28 P 78148W $\qquad$ Net 19.95

## Deluxe Tape Carrying Cases



- For Either Cassette Or 8-Track Cartridges

Solid wood construction. Durable alligator vinyl covering with attractive red plush interior. Titles immediately visible Equipped with sturdy handle lock and key.
8-TRACK CARRYING CASE. Holds up to 248 -track cartridges. Size $171 / 2 \mathrm{~W} \times 6 \frac{1}{2} \mathrm{H} \times 71 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., $41 / 4 \mathrm{lbs}$.

## 28 P 78064W

$\qquad$
$\qquad$ ....Net 7.95
CASSETTE CARRYING CASE. Holds up to 30 cassettes, Size: $141 / 2 \mathrm{~W} x$ $33 / 8 \mathrm{y} \times 91 / 2^{\prime \prime}$ D. Shpg. wt., 31/4 lbs.
28 P 78072
Net 7.95

## Cassette "Carry-All" Portable Case



795
Holds up to 6 Cassettes and all Portable Cassette Recorders up to $5 \frac{1}{2} \times 10^{\prime \prime}$ in size Carry your cassette recorder, tapes and accessories in one handy case. Rich leather textured vinyl with sturdy compartments in a suede-like finished interior.
28 P 78114 Shpg. wt., 3 lbs
Net 7.95

$2^{49}$

- Holds 12 Cassettes

Black vinyl with chrome trim, shoulder strap, and spring snap lock. Dim,: $61 / 2 L^{2} 51 / 2 \mathrm{Hx} 3^{\prime \prime}$ D. Shpg. wt., $3 / 2 \mathrm{tb}$. 28 P 27012

Net 2.49


## Lazy Susan Type

 Storage Racks Only - Lazy Susan Type Base 895- For Either Cassette or 8-Track Cartridges
Easy access to your recorded cassettes or 8-track cartridges with no more misplaced tapes. Attractlvely styled wood and masonite storage racks with simulated walnut vinyl finish. Rotating "Lazy Susan" type base. Each model holds up to 48 tapes.
8-TRACK CARTRIDGE STORAGE RACK. Holds 48 cartridges, Size: $91 / 2 \mathrm{~W}$ $\times 91 / 2 \mathrm{D} \times 121 / 2^{\prime \prime} \mathrm{H}$. Shpg. wt., 5 lbs .
28 P 78049W
Net 8.95
CASSETTE STORAGE RACK. Holds 48 cassettes. Size: $8 \times 8 \times 10^{n} \mathrm{H}$. Shpg wt., 31/4 lbs. 28 P 78056W

Net 8.95

## Home Storage Cabinets



- For Either Cassette or 8 -Track Cartridges

- Store in Bookcase, on Wall, or on Top of Desk or Stereo Cabinet

Economy and styling are combined in this new cabinet. The one piece molded insert stores tapes in individual compartments and assures neat stocking and easy cataloging of titles.
8.TRACK CARTRIDGE STORAGE CABINET. Hoids up to 30 cartridges. Size: $24 \times 37 / 6 \times 73 / 4^{\prime \prime}$. Shpg. wt., 5 lbs.
28 P 78130 W Net 7.95
CASSETTE STORAGE CABINET. Holds up to 36 cassettes. Size: $21 x$ $23 / 4 \times 81 / 6^{\prime \prime}$. Shpg. wt., 4 lbs.
28 P 78155W
Net 7.95


Keep tape cartridges for your car meat, orderly, dust free. compact. $9 \times 6 \times 6^{\prime \prime}$ case stores 10 tapes of any standard brand. Shpg. wt., $13 / 4$ lbs.
28 P 20124
Net 2.95

## Metal Tape Storage Chest



Sturdy all steel carrying case. Holds 12 $7^{\prime \prime}$ reels and cans. Twin snap locks. Platinum gray hammerloid finish. Metal separators. index cards. Shpg. wt. $43 / 2 \mathrm{lbs}$. 28 P 15017

Net 3.98

## Plastic Cassette Storage 8ox



25
ea.
5 tor $99 c$
Snap-open plastic box for individual cassettes. Clear hinged cover for instant identification. Bulit-in stops prevent tape slack and unwinding. Shpg. wit., $3 \mathbf{0 z}$. 28 P17054 Net ea. 25 Lot of 5.99


AA
MAGNETIC BULK TAPE ERASERS. Erase tapes in seconds to below normal recorder erase head level. Restores tapes to "blank" condition. For magnetic stripped film also. All units $110-120$ V. $50-60 \mathrm{~Hz}$. AC.
(AA) TM-77 DELUXE BULK ERASER. For $1 / 4$ " tape, reels to $7^{\prime \prime}$. Erasure 2 to 4 db below normal erase head level. Size: $23 / 6^{\prime \prime} \times 3 \frac{3}{4} 4^{\prime \prime} \times$ $61 / 4^{\prime \prime}$. Shpg. WI ., $41 / 4 \mathrm{lbs}$.
28 P 60252 $\qquad$ Net 19.29
(BB) TM-99 PROFESSIONAL UL LISTED BULK 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: $51 / 4 \times 63 / 4 \times 33 / 4$ ". Wt., $93 / 4$ lbs. 28 P 60245
(CC) TCP-12 SET OF 12 DELUXE INDIVIDUAL MOLDED TAPE SAFES. Protects $7^{\prime \prime}$ tapes from dust, dirt, ageing. Hinge covers. Bottoms have dovetall grooves to fit metal wall mount bracket included. (less tape and reels). Shpg. wt. 6 $3 / 4 \mathrm{lbs}$.
28 P 71226
.Net 12.99
(DD) TRP-2 PHONE PICX-UP. Fastens to phone by suction cup. Provides clear recording of phone conversations. Mas 5 ft . cable with stripped ends to attach connector to fit recordet Shpg. wt., 3 oz .
28 P 70947
...Net 2.69

TAPE-CLEAN. (Not illus.) Chemically treated cloth tape cleans and lubricates heads and guides of recorder when played. Deposits film of Silicone for friction-free tape path. THC-3, $3^{\prime \prime}$ reel Wt. 3 oz.
28 P 71168
Net 1.35
THC-5, $5^{\prime \prime}$ reel. Wt. 5 oz .
28 P 60351
Net 2.29

TB-15 CAROBOARD TAPE MAILING BOXES. (Not illus.) Package of 15 . For up to $31 / /^{\prime \prime}$ reels. 28 P 71580 Shpg wt., 8 oz. . Net .g9

EMPTY REELS FOR ALL RECOROEAS. Packaged clear plastic reels in all sizes, except * is plag, of slx $3^{\prime \prime}$ reels in assorted colors. + indicates Low Torque reel. Avg. wt. per pkg., 1002.
StockNo. Mtr's Type Size Phg. Net. Net


TL-9 LONG TITLE Labels. (Not illus.) $3 / \mathbf{g}^{\prime \prime} x$ $91 / 2^{\prime \prime}$. Self-stick. Label canisters, boxes, etc. 28 p 721 es Pkg. of 50. Wt. 4 oz. Net 79

TPP-2 RECORDER REPLACEMENT PRESSURE PADS (Not illus.) Pkg, of 44 self-stick assorted sizes in two thicknesses for most recorders. Shpg. Wt., 402.
28 P 71119
Net .85


HH


JJ


## RECORDER AND TAPE CARE ACCESSORIES

(EE) THC-12 QuiCK-CLEAN FELT PEN. With pocket cllp. Applies efficient fast drying solvent to remove dirt, accumulated oxide from recorder heads to improve sound fidelity. Includes fluid supply. Imported.
28 P 72091 Shpg. wt., 3 oz. ....Net 1.19
(FF) TK-4H TAPE EDITING AND CARE KIT. CONtains IS-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., 8 oz .
28 P 72703
..................................Net 2.55
(GG) BLOWER BRUSH \#TBE-1. Squeeze blower 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 P 72133 Shpg. wt., 4 oz. .... Net 1.39
(HH) MSW-125 "SWABBIES". Soft cotton tips wound on $6^{\prime \prime}$ applicators for cleaning and oiling hard to reach parts of equipment. Package of 125 .
28 P 72117 Shpg. wt., 6 oz. ....Net . 79
(I) TK-S Tane STROBE AND LICHT KIT. Tests speed accuracy of recorder at $15,71 / 2$, and $33 / 4$ ips. Strobe tape neon lamp. 110 VAC. 28 P 72125 Shpg. wt., 5 oz. ... Net 1.99

THS-1 HEAD-KLEEN SPRAY. (Not Illus.) 4 oz. Aerosol formula Head Cleaner removes accumulated oxide, grime, and other particles from recorder heads. Extension nozzte included for easy access to hard to reach heads, 28 P 71945 Shpg. wt., 6 Oz. ....Net 1.19

THC-1 HEAO-KLEEN POLISHING TAPE, (Not Hllus.) $3^{\prime \prime}$ reel, 225 it. Removes oxide and all particles from heads when played.
28 P 71606 Shpg.' wt., 3 oz. ....Net 1.59

LB-1 LOG BOOK. 120 page $\log$ Book for indexing recordings on reel-to-reel tapes, cassettes, 8 -track cartridges and phono records, by titte, artist and category. (Not illus.)

TL-80 TAPE AND BOX INDEX SPOTS. (Not illus.) Pkg. of 240 . Numbered 1 to 24, 2 sels in 5 basic Colors. Self-stick. Index tapes and their matching boxes or canisters. Wt. 3 oz . 28 P 72075

Net . 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. 4 oz . 28 P 71507

Net 1.19
7K-2 TAPE KARE KIT. (Not Illus.) 2 oz, bottle of Head Cleaner and Tape Cleaning Cloth. 28 P 70483 Shpg, wt., 7 oz. .... Net 1.39 TX-20 TAPE hEAD CLEANER. (Not illus.) 2 oz. bottle with applicator.
28 p 60310 Shpg. wt. $6 \mathrm{oz}, \ldots$. Net .75
TX-33 TAPE DRIVE OIL. (Not illus.) 202 , bottle with applicator. Inhibits rust and oxidation. 28 P 72083 Shpg. wt., 7 oz, ... Net . 59 TX-22 HEAD AND GUIDE LUBRICANT. (Not illus.) 2 oz. bottle with applicator. Silicone base liquid. Provides friction-free tape path. 28 P 71937 Shpg. wt., 6 oz. ... Net . 75

## AUDIO DEVICES AND ACCESSORIES


(KK) T8-3 RECORDER CLEANING BRUSH. SPEcially designed brush for getting at all the dust and oxide deposits on all recorder parts, except heads. Made in England. Shpg. wt., 502.
28'P 72836
Net . 89
(LL) TW-2 REEL-TO-REEL TEST STROBE. SImple, accurate device tests tape recorder speed at $33 / 4,71 / 2$, and 15 ips . Double sided for use on either 50 Mz or 60 Hz AC current.
Simple instructions Included. Made in Eng-
land. Shpg. Wt., 402.
28 P 72844
26 P 7264
Net 1.59

(MM) TX-35 AUDIO LU8E KIT, Specially compounded lubricating oils and grease for proper malntenance of delicate moving parts of record changers, turntables, and all tape recorders. Shpg. wt., 402.
28 P 72851 $\qquad$

To Speed Your Mail Order-Please Give Your Zip Code Number
(PP) MCS-6 AU010 CABLE SHORTENER. Ingenlous, simple device takes-up excess slack and length of audio cables or extension cords. Winds cords neat-no tangles, no accidents. Pkg. of 6 .
28 P 72669 Shpg, wt., 4 oz. ....Net . 59

# R-BINS®CASSETTE AND 8-TRACK CARTRIDGE ACCESSORIES 


(R) THC-15 "DOUBLE-HEADER" 8-TMACK cartrioge advanced maintenance kit. Has special formula Non-Abrasive cloth Head-cleaner Tape at one end, and RecorderPlayer Drive Cleaner at the other end. Either end of cartridge fits equipment. Includes bottle of head cleaner solution.
28 P 72711 Shpg. Wt., $1 / 2 \mathrm{lb}$.
(5) THC-14 "DOUBLE-HEADER" B.track "TUNE-UP" CARTRIDGE. Has beeper head cloaner 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 eleaning operation. 28 P 72729 Shpg. wt., 5 oz. .. Net 2.29

(U) CASSETTE RAPID REWINDER. Your rewind blues are over. Rewind a C-60 cassette in only 22 seconds. Reduce wear and tear as your recorder and end rewind interruptions. Compact $4 \times 23 / 4 \times 2$ ". One hand operation. Powered by 1 standard " $D$ " cell (not included). Shpg. wt., 12 oz .
28 P 72794 Less Battery ...........Net 8.99 99 P 62564 D cell (1 req.) ........Net . 19
(7) TSA-33 "MINI" CASSETTE STORAGE ML. BUMS. Set of 3 library albums. Each stores 3 cassettes.
28 P 72737 Shpg. wt., 7 oz. ....Net 2.19 (V) TTC- 1 CASSETTE TORQUE TESTER. Tests take-up tension of tape winding mechanism of all Cassette recorders and players. Inserted like a standard Casselte Tape. Easy to read gauge. Shpg. wt., 8 oz .
28 P 72802
Net 4.99
(W) THC-2 CASSETTE TUNE-UP MAINTE. NANCE KIT. Special formula non-abrasive polyester cloth tape gently cleans recorder heads. Includes bottle of cleaning fluid. Shpg. wt., 10 oz .
28 P 72810
Net 1.49


(A) TK-9 COMPLETE TAPE EDITING WORKSHOP Tape Winders for reels to $7^{\prime \prime}$. Deluxe Jape Splicer with Splicing Tape. Sturdy walnut grained base has Callbrated Tape Viming and Editing Scale, Editing Pencil and Editing Guide Book included. Shpg. wt., 2 lbs. 28 P 71069

Net 16.75
(B) TS-80 OELUXE 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 Splicing Tape. Replaceable cutter pad and blades. Blade centering adjustment for accuracy. Of superstrong Cycolac. Instructions.
28 P 60096 Shpg. wt., 1 Ib.
......Net 8.59
TS-8E ECDNDMY SPLICER. Low cost versien of the TS. 80 Deluxe Splicer. It has fewer refinements, but it does the job. A best buy! Includes roll of Splicing Tape.
28 P 72828 Shpg. wt., 6 oz. ......Net 5.79
(C) TS-7S STANDARO STERED SPLICER, Same features as TS-8D. Made of plated steet and plastic. Dispenser has $3 / 8^{\prime \prime} \times 100^{\prime \prime}$ roll Splicing Tape. Instructions.
28 P 71416 Shpg. wt., 9 oz. ... Net 6.29
TS-7J JUNIOR "STEREO" SPLICER. (Not illus.) Same as TS-7S, less dispenser and tape. Uses治" wide splicing tape.
28 P 71424 Shpg. wt., 8 oz. ......Net 5.45
(D) IS-6 DELUXE "CUT-N-SPLICE." CutS tape at $30^{\circ}, 45^{\circ}$, or $90^{\circ}$ angle. 25 self-stick Splic. ing Patches included in buitt-in tray of splicer.
28 P 70863 Shpg. wt., 6 oz. ......Net 2.99
(F) TM-2 MAGNETIC TAPE EDITING PEN. Erase single sounds, noise, etc. from recordings. Fade in and out for special sound effects. 28 P 71549 Shpg. wt., 3 oz. ......Net 1.65

TSP-50 SENSING ANO CUEING PATCHES. (not illus.) Aluminum loil. $1 / 4^{\prime \prime}$ wide $x 3 / 4^{\prime \prime}$ leng hss. For recorder with automatic stop and reverse control.
28 P 71150
Net 1.05
TSP-240 SENSING AND CUEING TAPE. Roll of aluminum foil tape $.240^{\prime \prime}$ wide $\times 150^{\prime \prime}$ length. Prepares tapes for use with recorders having autornatic stop and reverse controls. (Not illus.)
28 P 72653 Shpg. wt., 40z. ......Net 1.98
SPLICING TAPE. Mylar. Wt. ea. 2 oz. (Not illus.)

| Stock No. | Type | $W \quad L$ | Net |
| :---: | :---: | :---: | :---: |
| 28 P 70889 | TST. 235 | $1 / 4^{\prime \prime} \times 300^{\prime \prime}$ | .79 |
| 28 P 70897 | TST- 376 | $3,8^{\prime \prime} \times 275^{\prime \prime}$ | .79 |
| 28 P 70905 | TST-501 | $1 / 2^{\prime \prime} \times 250^{\prime \prime}$ | .79 |

TST-233 Pkg. of 75 Self-Stick Splicing Patches for TS-14, TS-6, TS-5 Splicers.
28 P 70921 (not illus.)
.........Net 79
TK-G NEAD-CLEAN AND LUBE KIT. (Not ilfus.) 2 o1. bottles. Head Cleaner and Head and Gulde Lubricant
28 P 70855 Shpg. wt., 11 oz. ..Net 1.39
(L) TLA-1 TAPE-CLEAN-LUBE SYSTEM. Selfstick base mounts to deck of any recorder. Applies liquid silicone Lubricant and Cleaner to both sides of tape while playing. Reduces recorder head and guide wear. Stops tape squeal, Reduces drag. Includes extra Lubecleaner.
28 P 71911 Shpg. wt., 7 oz. .......Net 3.29 TZ-9 REPLACEMENT KIT FOR TLA-1 TAPE CLEAN LU8E SYSTEM. Bottle of tape cleaner and lubricant with two felt applicators.
28 P 72679 Shpg. wt., 6 oz.......Net 1.79
HEAD DEMAGNETIZERS. In normal use, heads build-up magnetism resulting in loss of fidelity. Demagnetizers safely remove magnetism from heads to improve recorder sound performance.
(M) TD. 6 PROFESSIONAL UL LISTED HEAD DEMAGNETIZER.
110 VAC., Wt., 10 oz.
28 P 60260 $\qquad$ Net 7.65
(N) TD-3 DELUXE HEAO DEMAGNETIZER. FUIly encapsulated components. 110 VAC, wt., 8 oz .
28 P 60278
Net 4.59
(1) TK-14 RECORDER MAINTENANCE KIT COItains: Head Demagnetizer, 2 Tape Cleaning Cloths, and $3^{\prime \prime}$ reel of Tape-Clean.
28 P 71598 Shpg. wt., 9 oz. ......Net 4.79

IT-16 COLOR-CODING LEADER TAPES. (Not illus.) Color-Code subjects, 100 ft. each Red, Blue, Yellow, Green, White on $21 / 2^{\prime \prime}$ reels.
28 P 71499 Shpg. wt., 6 oz. ......Net 2.65
TT-100C CLEAR LEADER TAPE. (Not illus.) 100 ft . $\times 1 / 4^{\prime \prime}$ wide on a $21 / 2^{\prime \prime}$ reel. 28 P 71887 Shpg. wt., 3 oz. ......Net . 81 TC. 75 TAPE Clips. (Not illus.) Plastic. Reusable. Keeps tape from unwinding. Fits all reels. 72 clips in handy plastic container.
28 P 71093 Shpg. wt., 4 oz . ......Net . 99
(J) TK-7 RECORDER KARE KIT. 2 oz. bottles of Head Cleaner, Head and Guide Lubricant, Tape Drive Oil, Non-Slip for Tape Drives, and 50 Cleaning Swabbles.
28 P 70491 Shpg. wt., $13 / 4 \mathrm{lbs}$. Net 2.79

# CASSETTE AND CARTRIDGE RECORDER/PLAYER TAPE ACCESSORIES 

cassette and cartrioce bulk tape eras. ERS. 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: $110 \mathrm{~V}_{\mathrm{c}} .50 / 60 \mathrm{~Hz}$ AC.
(A) TMC- 1 for Cassettes. Shpg. wt., $21 / 2$ libs.

28 P 72285 $\qquad$ Net 13.79
(B) TMc-2 for Cartridges. Shpe wt., 4 lbs. 28 P 72273
(C) TMC-3 UL listed Professional Bult Eraser for Cartridges. Shpg. wt., $93 / 4 \mathrm{lbs}$.
28 P 72281 No Money Down ..Net 38.49

CASSETTE RECOROER AMO CAMTRIOGE PLAYER HEAD DEMACMETIZEAS. Recommended by equipment manufacturers to remove exces sive magnetic bulld-up on heads. Use every 15-20 hours of player use. Bulit-Into Cassette and Cartridge.
(D) TD-10 for Cassette Players. Built-in pilot light. 110 v .. $50 / 60 \mathrm{~Hz}$ AC. Wt.. 702. 20 P 72299 Net 6.19
(E) T0-12 for Home Cartridge Players, 110 V , $50 / 60 \mathrm{~Hz} \mathrm{AC}$. Shpg. wt., 11 az.
28 P 72307
Net 8.39 r-15 for Auto Cartridge Players. (Not illus.). 12 Volt DC model. Wt.. 10 oz. 20 P 72315

Net 10.49




TRL-E ETRACK CARTRIDGE TITLE LABELS. (Not illus.) Replace worn labels. Color-code tapes by category. Pachage of 20, self-stich, in 5 colors. Shpg. wt., 402.
28 P 72620 .Net 1.25
THC-7 CASSETTE HEAD-KLEEN TAPE. (Not illus.). Safely cleans and polishes player heads. Removes accumulated oxides and other particles to maintain top sound performance. Shog. wt., 3 oz.
28 P 72349 $\qquad$ Net .95
TCW-2 CASSETTE TAPE TENSIONING WINDEAS. (Not illus.) Set of two winders. Insert in holes of Cassette. Winds in either direction to take-up slack and unravel tape. 28 P 72398 Shpg. wi., 3 oz. ....Net 1.09 TTK-1 CASSETTE RE-RECORD KIT. 50 reusabie plastic erase control tabs to replace removed tabs of permanently recorded cassettes. Handy tool and instructions for simple inserlion. Can be removed and replaced at will. Shpg. wt., 6 oz. (Not itlus.)
28 P 72646 $\qquad$ ..Net 99
(1) TK-3 CASSETTE AND CARTRIDEE PLAYER/ RECORDER HEAD.KLEEN KIT. 2-0Z. bottles of Head Cleaner, Head and Guide Lubricant, and 25 extra-long Cleaning Swabs for cleaning and lubricating hard to reach parts of equipment. Shpr. Wt., 11 oz.

## 28 P 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 P 72430 Shpg. wi., 5 Oz. .... Net 3.15
(M) TRP-5 HIGH GRAIN PROFESSIONAL "SOUND-RING" TELEPHONE INDUCTION PICK. UP. High sensltivity for "full depth" recording of phone conversation. Attaches to phone with ease. Slips over and surrounds the earpiece of the phone. 3 ft . shieided cable is complete with mini-plug for use with all tape recorders. Shps. wt., 602.
28 P 72695 $\qquad$ .. Net 3.99
(0)-TSA-1W BOOR TYPE C CASSETTE STORAGE ALBUM. Molds 12 Cassettes neatly in reces sed compartments. Decorative walnut grain cover. Extra sturdy construction. Shpg. Wt., 1102.

28 P 72752
Net 2.19

(X) TS-1500 OELUXE CASSETTE TAPE SPLICER. All the convenient features and refinements of our best selling TS-8D Deluxe Splicer. Tape dispenser with roll of Splicing Tape. Glbson Giri Trim. Shpg. wt., 1 tb.
28 P 72778
. Net 8.95
TS-225 CASSETTE TAPE SPLICER. Bullt-In dis. penser with Splicing Tape in base. Sturdy steel construction. Fast and simple to use. Imported. Shpg. wt., 7 oz . (Not Illus.) 28 P 72785

Net 3

Shpg. Wt. 1 lb .
28 P 760
-See Page 23 for Fiull Details on Easy Pay Plan

## Tape Cleaners-Demagnetizers-Splicers

## head cleaner and test tapes

149


- For Either Cassette or 8 -Track Equipment

1) Tests For Proper Head Alignment
2) Tests For Stereo Balance
3) Cleans Tape Head

Keep your recorder/player equipment sounding like new with professionally calibrated test tapes which also clean tape heads and restore full rich-
ness of tone
8-TRACK HEAD CLEANER AND TEST TAPE
28 P 92016 Shpg. wt.. 6 oz.
Net 1.49
CASSETTE HEAD CLEANER AND TEST TAPE
28 P 92024 Shpg. wt., 3 oz.
Net 1.49

## NON-ABRASIVE TAPE HEAD CLEANERS

A safe non-abrasive method of removing dust oxide and grit from tape head and capstan, assuring maximum fidelity and performance. Easy to use special tape and cleaning liquid. Shpg. wt., 6 oz . 8-TRACK NON-ABRASIVE CLEANER 28 P 78122
CASSETTE NON-ABRASIVE CLEANER 28 P 78163

## 8-TRACK TAPE CARTRIDGE MAINTENANCE KIT



An all-in-one kit for your 8-track cartridge tape system, can also be used for your cassette tape system. Keeps heads in top operating condition. Contains cleaner, lubricant, applicators, brush and convenient storage case. Simple operation with descriptive instructions. Brushes fit together to reach depths of player system. Ideal for all 4 and 8 track systems. Shpg. wt., $1 / 2 \mathrm{lb}$. 28 P 78015

Net 1.95

## LAFAYETTE TAPE SPLICER



- 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 spllcing and editing applications. Gives clean, quick cuts on all tapes without losing a significant portion of the sound track. Spllcing 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 P 09051 <br> Net 3.19

Replacement splicing tape for above.
28 P 09069 Shog. wt., 3 oz . ... Net 39

Net 1.29
Net 129


## TAPE HEAD CLEANERS



- For Either Cassette or 8-Track Equipment

Removes coating deposits from tape heads and restores both volume and high frequency response. Simply insert and run equipment. Can be reused.
8-TRACK HEAD CLEANER. Shpg. wt., 6 oz
28 P 12923
Net .99
CASSETTE HEAD CLEANER. Shpg. wt., 4 oz.
28 P 16015
Net . 99


Removes excessive magnetic bulldup on tape heads and improves sound performance. Use after every 15 hours of player-recorder use. Imported.
FOR $117 V$ AC 8 -TRACK HOME PLAYERS
99 P 15091 Shpg. wt., 12 oz.
Net 4.25
FOR $12 V$ DC 8 -TRACK CAR PLAYERS
99 P 15422 Shpg, wt., 12 oz.
Net 4.95
99 P 16057 Shog. wt. 8 oz
Net 4.19

## AMPEX DEMAGNETIZING/ CLEANING CASSETTE



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.
28 P 54008 Shpg, wt., 4 oz. ... Net 4.95

## LAFAYETTE TAPE RECORDER CLEANER


with Applicator Removes oxide accumulations, dift and grit from tape heads, capstan, and guldes which come in contact with tape, and eliminates resulting distortions. Will not affect plastic parts, 2 oz, bottle with felt applicator. Shpg. wt., 702.

Net 60

## 28 P 01462

## CASSETTE TAPE SPLICER



Sturdy precision instrument for use In all splicing and editing of casselte tapes. Imported. Shpg. Wt., 7 oz.
99 P 15992

## "PIN BALL" TDTAL SERVICE 8-TRACK CARTRIDGE



- Head Cleaner
- Capstan Cleaner
- Demagnetizer
- Track Switch Test The most complete service device for 8 track equipment. Tape head is cleaned and demagnetized in all track positions. Capstan is thoroughly cleaned to eliminate wow and flutter. A track switching mechanism moves the player head through all track positions while being serviced. Tape player cleaning solution supplied. Shpg. wt., 8 oz .
28 P 16023
Net 2.95


Cotton tipped 6-inch applicators for cleaning and oiling hard to reach parts of recorders, phonos and other equipment. Pkg. of 100 . Shpg. wt., 402
28 P 01470
Net .59


## LAFAYETTE HEAD CLEANER SPRAY

129
6 oz. Spray Can

Sprays away accumulation of oxides, dirt and grease on all tape recorders and restores original sound qual-
ity. $5^{\prime \prime}$ extension tube pinpoints application to hard-toreach locations.
28 P 01488 Shpg, wt., 10 oz . ... Net 1.29

Tape Recording Accessories
TWIST-LOCK STYRENE CANS

## COUSINO AUDIO VENDOR

- Continuous Repeating Magnetic Magazine Tape
Endless tape loop magazines provide continuous play. Ideal for sales messages, language study, sleep learning, exhibits, etc. fits mos standard recorders. Running time in minutes at $33 / 4$ ips. Counterclockwise. 150,000 Series $2 *{ }^{*}$ dia., 131.000 Serles $35 \%^{\prime \prime}$ dia., 121.000 Serles $5 \mathrm{~K}_{\mathrm{an}}{ }^{\prime \prime}$ dia. Avg. wt., 902.

| STOCK NO. | TYPE | RUNNING | $\begin{aligned} & \text { NET } \\ & \text { EACH } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 28 P 35031 | 150003 | 3 Mln . | 3.95 |
| 28 P 35049 | 150005 | 5 Mln . | 4.75 |
| 28 P 35056 | 131008 | 8 Min . | 7.15 |
| 28 P 35064 | 131012 | 12 Min . | 8.00 |
| 28 P 35072 | 131015 | 15 Min. | 8.95 |
| 28 P 35080 | 131018 | 18 Min . | 9.75 |
| 28 P 35098 | 121024 | 24 Min. | 10.95 |
| 28 P 35105 | 121030 | 30 Min . | 12.95 |



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

12 dust-free, molsture.proof unbreakable styrene tape cans in storage chest. Can has foolproof twist loch feature and is ribbed for convenient stacking. Center locking stud prevents reel movement on all $7^{\prime \prime}$ reels and most $3^{\circ}$ and $5^{\prime \prime}$ reels. Shpg. wt., $4 \frac{1}{2} \mathrm{lbs}$. 28 P 65103W

Net 4.75
TWIST-LOCK CANS ONLY
20 P 65111 Wt., $6 \mathrm{oz} . . . L o t s$ of 6 ea .40
Single ea. . 45

LAFAYETTE RECORDER PATCH CORD


Ideal For Making Connections From Radio, Phono or TV To Tape Recorder
Handy 6 ft . lead has insulated alligator clips at one end and RCA phono plur at the other. Supplied with shielded phono plur adapter to adapt the RCA phono plug to standard ohono plug if necessary. Attach alligator clips to speaker terminals and simply plug other end into tape recorder. Ideal for recording from Radio, Phono or TV. Imported. Shpg. wt. 5 oz.
99 P15174
Net 1.10

## LAFAYETTE STEREO

 RECORDER PATCH CORD

Ideal for making tape recorder connections from stereo receivers, tuners and ampliflers having front panel tape output jacks. A convenient 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, funer or amplifier and connect phono plugs to inputs of tape recorder for convenient connection. Imported. Shpg. wt., 502.
99 P 63364
Net 1.48

## HEAD AZIMUTH ALIGNMENT TAPE

For accurate align. ment of recorder heads for maximum sound output. 100 ft. on $21 / z^{\prime \prime}$ reet. Tape has 6 kHz steady tone in either direction. Instructlons included. Shipg. wt. 302.
28 P 71184
Net 1.29

## TAPE THREADER



Eliminates awkward fumbling. Place tape agalnst reel, sllp threader on -turn crank-tape is threaded. Use-with all 5 " and $7^{\circ}$ reels. Shpg. wt., 302.
28 P 60211
Net 89

## CLEAR PLASTIC REELS



Sturdy, non-warp plastic reels for recording tape. All clear plastic.
Avg. Shpg. wt., 4 oz., singly.
28 P $230523^{\prime \prime}$ reel ... lots of 4, Ea. . 11 Singly, Ea. . 13
28 P 23011 3 $1 /{ }^{\prime \prime}$ " reel .lots of 4, Ea. 12 Singly. Ea. . 15
28 P $230295^{\prime \prime}$ reel
lots of 4, Ea. 26
Singly, Ea. 29
lots of 4, Ea. . 31
Singly, Ea. . 34

## LOW TORQUE REELS

Professional type clear plastic reels with large hubs for smooth tape feed and reduced flutter. Shpge wt.. 4 oz . ea.
5 " Low Torque Reel-Holds $400 \mathrm{ft} .12 / 2 \mathrm{mit}_{\text {, }}$ $600 \mathrm{ft} .1 \mathrm{mil}, 800 \mathrm{ft} .1 / 2 \mathrm{mil}$ or 1200 ft . $1 / 2$ mil triple play tape.
28 P 23060
lots of 4, Ea. 49 Singly, Ea. . 54
$7^{\circ}$ Low Torque Reel-Holds 960 ft . $12 / 2 \mathrm{mil}$, $1440 \mathrm{ft} .1 \mathrm{mit}, 1920 \mathrm{ft}, 1 / 2 \mathrm{mil}$ or 2880 ft . $1 / 2$ mil triple play tape.
28 P 23045
lots of 4, Ea, . 58
Singly. Ea, 65
RECORDER TEST TAPE


Checks speed, timing, wow and flutter. For $71 / 2$ IPS. Accurate within $1 / 10$ of one percent. Shpg, wt., 2 oz. 20 P 50014

Net .98
REUSABLE CLEAN-LUBE
CLOTHS Protects recoraing tape by -LUS depositing a slificone film.
 able. Pkg. of 4 cloths. Shpg. wl., 402.
28 P 72838 ..... Net .79
REEL LOCKS


Set of Two
Holds tape recorder reel In place by locking spindle to reel. Especially useful if recorder is in vertical position. Will not interfere with normal operation of reels, Easily removable. Imported. Shpg. wt., 3 oz.
99 P 15190 Set of two

METAL STORAGE CANS


Lots of 6
Cans are ribbed for easy storage. Precision fit. Baked enamel finish. Av. wt., $8 \mathrm{oz}_{\mathrm{s}}$

28 P $630665^{\prime \prime}$ Can ....lots of 6, Ea. . 38
28 P63074 7" Can Singly, Ea. . 43 lots of 6, Ea. . 41 Singly, Ea. . 49

## 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 accessories such as Rrease pencil, blades, splicing tape ( 66 ft . roll of $7_{32}$ ) supplied. Comes with instruction booklet-in a smart plastic case. Shpg. wt., 7 oz.
28 P 38050
Net 10.00

## TDK SD SUPER DYNAMIC 7 INCH REEL HI-FI TAPE



- Low Noise-High Output
- Extended Frequency Response

A professional grade tape developed specffically for today's highly sophisticated recorders having wider dynamic range, extended frequency response $(20-30,000 \mathrm{~Hz})$, improved signal-to-noise ratio, and increased output level. Ideal for those critical sound recordings where high fidelity is a must. Gamma ferric oxide coating on polyester base. Imported. Shpg. wt., 1 lb .
$1200-501200 \mathrm{Ft} .1200 \mathrm{ft}$. of tape on large diameter, low-torque $7^{\prime \prime}$ reel.
28 P 24506
Net 3.59
$1800-501800 \mathrm{Ft} .1800 \mathrm{ft}$, of tape on a standard 7" plastic reel.
28 P 24514
Net 4.99

# LAFAYETTE Recording Accessories 

LAFAYETTE BULK TAPE ERASERS


1250
Deluxe
Model
3495
Professlona Model

## PROFESSIONAL MODEL

- 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 $10^{1 / 22^{*}}$ Reels

A carefully designed and precisely manufactured tape "degausser" for complete erasing of tapes. Just place the tape reel on spindle of demagnetizer, slowly rotate 2 or 3 turns, take off, and that's all. Reduce tape hiss to the level of new "virgin" tape. Two completely separate coils are used for doubly.effective erasures, even of large, $101 / 2^{\prime \prime}$ reels. Will erase $1^{\prime \prime}$ wide tape. An extra powerful unit for heavy-duty use-draws over 9 amperes. Can be used to demagnetize tape, magnetically stripped film, plus tools and watches. Has a freavy, custom finished case, a rugged non-magnetic top, heavy duty on-off switch and power cord. Has built-in fuse. Pilot light prevents accidentally leaving it turned on. Size $61 / 4 \times 7 \frac{1}{6} \times 31 / 2^{\prime \prime}$ 105-125V. 60 Mz . Imported. Shpg. wt., $123 / 4 \mathrm{lbs}$.
99 P 15166 Professional Model
Net 34.95

## Deluxe Model

Similar to professional model for all size reels but handles only standard slze $1 / 4^{\prime \prime}$ tapes or smaller and reel must be turned over once. Has separate spindle positions for $104 / 2^{\prime \prime}$ and 3, 5, and 7" reels; non-magnetic bakelite plate for reel rest. One powerful coil consumes 5 amps. intetal case $71 / 4 \times 41 / 4 \times 31 / 2{ }^{\prime \prime}$. Imported. Shpg. wt., $4 \frac{1}{4} \mathrm{lbs}$,
99 P 15182
Net 12.50

## 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 P 30016 Shpg. wt., $23 / 4$ lbs. .........Net 11.50

## 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 DC 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-Off slide switch; plastic case. Size: $4 \%_{0} \times 37 / 8 \times 2 \%$ ". Imported. Shpg. wt., $11 / 4 \mathrm{ibs}$.
99 P 15877 Eraser (less batteries) Net 8.95 $11 / 2$ volt AA cells for above (4-required). 99 P 62580

Net ea. . 10


## LAFAYETTE TAPE HEAD DEMAGNETIZER WITH SWITCH

Pencil shaped head demagnetizer with one extend. ing probe. Styling alfows you to reach all heads in all positions. Features switch control... no need to leave unit on constantly. Turn on when needed and off to conserve unit's life. Operates on standard $\mathbf{1 1 0 - 1 2 0}$ VAC 60 Hz . Imported. Shpg. wt., 9 oz . 99.P 15331

Net 2.95

## TAPE CLEANER

Tape is Impregnated with special formula cleaner. Simply run through like regular roll of tape. Entire job done in 2 minutes. Can be reused many times. Shpg. wt.. 5 oz.
28 P 20017 Tape Cleaner on $5^{\prime \prime}$ reel .... Net 1.88 28 P 20025 Tape Cleaner on $3^{\prime \prime}$ reel

Net .99

## 1200 FT. LEADER TAPE ON 7 INCH REEL

Lafayette brings you this jumbo reel of leader tape at a tremendous savings over the cost of leader tape customarily available in 100 ft . quantities. $11 / 2$ mil mylar tape. $1200 \mathrm{ft} . \times 1 / 4^{\circ}$ wide on 7" clear plastic reusable reel. Individually boxed.
28 P 77017 Shpg. wt., 3/4 lb.
Net 2.69

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 $41 / 2$ foot shielded cable with $1 / 8^{\prime \prime}$ miniature plug. Imported. Shpg. wt., 4 oz. 99 P 61970

Net .89

## TELEPHONE PICKUP FOR CRADLE OR UPRIGHT PHONES



Induction telephone pick-up for cradle or upright phones. Simply place base on pickup and connect leads to high impedance input of an audio amplifier or directly to a tape recorder. Imported. Shpg. wi., 502. 99 P 10340

Net 1.59


Extremely sensitive toop type telephone plckup coil for use with recorders, amplifiers and dictating machines. Loop easily slips on ear piece of phone. 3 ft . shielded cable with minlature $1 / \mathrm{m}^{\prime \prime}$ plug. Imported. Shpg. wt., 602.

28 P 65129
Net 2.98


Designed with symmetrical hum cancelling pick-up coils to eliminate high stray hum pickup usually encountered with conventional coils. For use with high impedance tape recorders, ampllfiers and dictating machines. Double suction cup for easy mounting. $5^{\prime}$ cable with stripped leads. Shpg. wt., 4 oz.
28 P 32012
Net 6.65

## Accessories For Car 8-Track Stereo Tape Players

## NFW Deluxe LAFAYETTE Home Power 12 Supply For Car Tape Player

## Converts 115 VAC

 to 12 VDC at 4 Amps Continuously
## $15^{95}$

- Handles Up To 5 amps Intermittent
- Heavy Duty Binding Posts

- Neon Indicator Light
- Accessible Fuse On Front Panel

Double the use of a car stereo tape player by using it in your home or office. Converts 115 volts $A C$ to 12 volts $D C$. Handles a maximum load of 5 amps. Features on/off switch, heavy duty color coded binding posts, neon indicator light, and accessible fuse in front. Black metal cabinet. For 117 VAC, 60 Hz . Size: $45 / 8 \mathrm{~W} \times 61 / \mathrm{D}^{\mathrm{D}} \times 3^{\prime \prime} \mathrm{H}$. Shpg. Wt., 6 lbs . $\qquad$ Net 15.95

99 P 16099

## Universal Lock Mount For Car Tape Players

## Prevents Theft

## NEW LOW PRICE

- 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 install. 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-ln and locks. For 6 or 12 V neg or positive ground. Dim.: $61 / 8 \mathrm{~W} \times 71 / 80 \times 1{ }^{\prime \prime} \mathrm{H}$.
17 P 63010 Shpg. wt., $21 / 4$ lbs. Net 5.95

Tape Player Floor Auto


- Adjustable-Fits all Tape Players

Screws firmly to floor. 1" strap holds tape players firmiy in place. Easy access to all controls. Steel construction. Size: $101 / \mathrm{s}^{\prime \prime}$ to $143 / 4^{\text {" }}$ wide, $103 / 4^{\text {" }}$ long. Rear height: $53 / \mathbf{8}^{\prime \prime}$. front height $9^{\prime \prime}$. Shpg. wt., 51/2 lbs.
42 P68009w $\qquad$ Universal Power Connector Harness for Car Tape

## 95

 PlayersIdeal for installing tape players in cars. Features one plug universal to all car stereotape players. Inline fuse holder and speaker leads. Complete instructions for: 5 pin, 4 pin, 4 pin "Y", and 4 pin "odd". connections. Shpg. wt., 6 ozs .


- See Page 23 for Full Details on Easy Pay Plan


## Universal FM Stereo Tuner Cartridge

## $34^{95}$ <br> with Auto-Y antenoa <br> - FM Stereo Indicator Light <br> - Built-in AFC <br> 

Converts Stereo 8-Track and 4-Track Car Tape Players Into an FM Stereo Radio
Listen to full dimensional FBi stereo radio broadcasts in your car. Inserts into your car tape player just like a regular tape cartridge. Requires a 9 -volt battery (not included). Features instant-on solld-state circuitry, FM stereo indicator light, buift-in AFC to prevent station drlft, roll-bar FM tuning, and an auto- $Y$ antenna. Size: $71 / 2 \times$ $31 y_{n} \times 7 / 8^{\circ} \mathrm{D}$. Imported. Shog. wt.; 1 ib. 17 P 43053 L No Money Down* Net 34.95 99 P 60212 9V Bat. for above Net 31

## Universal "L" Bracket

## 119



Designed to fit all car stereo tape players. Adjustable slotted bracket is ideal for difficult under-dash mountings. Size: $23 / 4 \mathrm{~W} \times 7 / 8 \mathrm{D}$ $\times$ 3\%."H.Shpg. wt., pair, 1 lb.

## 7 P 63044

 Net 1.19
## AM/FM " $Y$ " Connectors



AM/FM "w" connectors enable you to connect your car stereo tape player with built-in FM radio to the standard AM radio jack. Two types of connectors are available: standard $21 / 4$ " "Y" connector, and for hard-to-reach radios under dash, "y" connector with 5" Hexible lead. Shps. wt., 6 oz. 17 P 63051 iny" Connector ......Net 1.69 17 P $63063^{\text {"Y" }}$ Conn. w/5" lead Net 2.19

## Mobile Burglar Alarm

 For Car Tape Players

Connects to your horn and tape player. Horn automatically blows when someone trles to steal equipment. 2 -way switch permits removing player without sounding alarm. For 12 V neg. gnd. With wire, mounting hardware. 42 P 71011 ShoR. wt. 4 oz. ......Nel 4.95

## LAFAYETTE Solid-State 8-Track Car Tape Players

## NEW! LAFAYETTE Pro-8 Stereo 8-Track Car Tape Player



Superbly engineered for convenience and quality. Measures only $6 W \times 31 / 4 H \times 7$ " $D$ and mounts easily under the dash of your car with adjustable bracket. The Pro-8 is also easily removeable when not in use. The bracket features a safety lock to prevent theft. Among its many professional features are individual slide controls for Stereo galance, Volume and Tone. A fine Tuning control tunes out crosstalk when using old, worn or defective cartridges. Push-
button channel selector. Individual channel Indicators. Powerful 12. watt solid-state circultry. For 12 VDC Negative Ground systems. Im. ported.
17 P 02364 W Shpg. wt., 7 lbs. $\qquad$ Net 59.95
Pair of Two $3 \times 5^{\prime \prime}$ matching speaker systems
99 P 62994 Shpg. wt., $21 / 2 \mathrm{lbs}$.

NEW! LAFAYETTE "Micro 8X" Stereo 8-Track Car Tape Player
At A Price
Everyone
Can Afford

$40^{95}$
No Money Down*

- Compact Size-for Easy Installation


Improved version of our best-selling Micro-8 8-Track Car Tape Player. Now includes Fine Tuning control to adjust. playback head for worn or defective cartridges-tunes out crosstalk. Built-in head cleaner cleans the head each time a cartridge is inserted. Compact design permits simple installation-even where space is at a premium. Player is only $73 / 6 \mathrm{D} \times 51 / 2 \mathrm{~W} \times 23 / 8{ }^{\prime \prime} \mathrm{H}$ in size. Fully automatic opera-tion-turns on when a tape is inserted, changes tracks tion-turns on when a tape is inserted, changes tracks
automatically at the end of each program. 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. Adjustable mounting bracket. Imported. tems A 02570 W Shpg. wt., $53 / 4 \mathrm{lbs}$. ...............Net 40.95 17 P 02570 W Shpg. wt., $53 / 4$ lbs. ...........
Pair of Two $3 \times 5^{\prime \prime}$ matching speaker systems 99 P 62994 Shpg. wt., $21 / 2 \mathrm{lbs}$. $\qquad$ 6.85

# 8-Track Stereo Tape Players for the Car 



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

Deluxe, highly styled solid-state 8 Track Stereo Tape Player with exciting features: 8uilitin 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 roliers. Built-in Tape light for easy selection reading at night. Motor Switeh reduces ignition noise and battery drain when a cartridge radio pack is operating in the player. Theft-proot Built-in Burglar Alarm blows horn continuously when an attempt is made to steal a properly instafled player. Fine Tuning adjusts for worn or defective cartridges, tunes out crosstalk. Hidoen Channel Indicator
...singte channel number is illuminated; each number in a different color. Wighly styled Slide Cewtrals for easy Tone, Volume and Balance adjustment. Reverse polarity for 12 volt negative/positive ground cars. Also includes automafic or pushbutton trach selection. Pealh audio output: 14 watts. Measures only $7 \frac{1}{2} \mathrm{~W} \times 3 \mathrm{H} \times 7 \frac{112}{2}$ "D. Frequency Response: $40-12,000 \mathrm{~Hz}$. Impedance: 4 ohms. With universal mounting bracket. Imported. Shpg. wt., $71 / 2$ lbs.
17 P 74686W No Money Down*
Net 79.95
Set of 2 Matched Rear Deck Speakers. Imported. Shigg. wt., 3 fbs.

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

## With Built-In BURGLAR ALARM



## NEW <br> LOW PRICE

- 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

A fully automatic 4 and 8 -rrack stereo tape player with fine tuning control and bullt-in Burglar Alarm. Handsomely styled in black and chrome, this player can be easily mounted under the dash of your car with attached universal bracket. Fully auto-matic-no switches or lever to select choice of cartridge. Either 4 or 8 -track cartridge slips in easily and plays instantly. Removal of cartridge automatically switches player off. Fine tuning control tunes vut undesirable crosstalk in worn or defective 8 -track cartridges by adjusting the playback head to precision alignment with the recorded tracks. Illuminated channel indicator shows channel that is playing. Channel changes automatically after each program or instantly by operating the selector bar. Specifications: Peak Audio Output: 20 watts; Impedance: 4 ohms each channel; Transistors: 12; Thermistors: 4; Battery drain: .75 amp; Tone Control. For 12 volt neq. /pos. ground, Imported. Shpg. wt., 9 ibs.
17 P 74496 W No Money Down*
Net 64.95
Set of 2 Matched Lafavette Car Speaker Systems.
99 P 62994 Shpg. wt., 21/2 lbs
Net 6.95

## NEW! Pioneer TP-222E Mini 8-Track Car Stereo Tape Player

## $44^{95}$

less speakers

- Only. $2^{\prime \prime} \mathrm{H} \times 43 / \mathbf{s}^{\prime \prime} \mathrm{W} \times 61 / 2^{\prime \prime} \mathrm{D}$
- For 12 V Negative Ground Cars
- Solid-State IC Circuitry
- Installs Easily in Glove Compartment

Small enough to fit in most giove compartments. Reliable solid-state ic Circuitry. Both automatic and manual track selection. Trach indicator lights. Shielded capstan for trouble-free tape feed. Power output 7.6 watts RMS ( 3.8 watts per channel). Separate balance, tone, and volume controls. For 12 -volt negative ground systems. Imported. Shpg. wt., 4 tbs. 17P B5005W No Money Down ${ }^{\text {¹ }}$..........Net 44.95 Set of 2 Matched Lafayette Rear Deck Speakers. 99 P 62994 Shpg. wt., $21 / 2$ lbs. ........... Net 6.95

# 8-1 Hifcis Car Stereo Tape Players 

## with Built-In Stereo Radio

## 8-Track Solid-State Car Stereo Tape Player

## with FM/FM Stereo Radio

Attractively styled 8 -track car stereo tape cartridge player with bulit-in FM/FM stereo radio. Incorporates the latest solid state integrated cipcuitry. Power output per channel is 6 watts. Features slide control for volume and balance, tone control, FM stereo Indicator light, slide-rule tuning, pushbutton track selector, and channel repeat button. For 12-Volt negative ground systems. Size; $8^{\prime \prime W} \times 81 / 4^{\prime \prime} 0 \times 31 /{ }^{\prime \prime} H$. Imported. Shpg. wt., 8 lbs.
17 P8 80063 W No Money Down ${ }^{*}$ $\qquad$ .Net 97.50
Set of two Lafayette Matched Car Speaker Systems, Imported.
99 P 62994 Shpg. Wt., 21/2 lbs. ...........................................Net $6: 95$

# TENNA TC83-MPX Solid-State Car Stereo Tape Player- 

 with FM/FM Stereo Radio

- Built-in Burglar Alarm
- Self-Cleaning Tape Head
- Fine Tuning
- Fast Forward
- Automatic Eject
- Tape Light
- Separate Slide Controls For Balance, Volume, And Tone


## Custom "In-Dash" 8-Track Car Stereo Tape Player with AM/FM/FM Stereo Radio

Combination of a deluxe performing 8 -track stereo car tape player and

With All Mounting Hardware, Less Speakers FM/FM stereo radio. Features all the latest innovations for improved 8 rach listening pleasure. The FM/FM stereo radio 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 solid-state circuitry. For 12 -Volt negative ground systems. Size $71 / 2^{\prime \prime}$ Wx81/4"Dr33/4"H. Imported.Shpg. wt. 9 lbs. 17 P 74678W. No Money Down *.................................................. 114.95 Set of 2 Deluxe Lafayette Rear Deck Speakers. Imported. Net 18.95 99 P 62986 Shpg. wt., 3 lbs.

- Balance \& Volume Slide Controls
- Channel Indicator Lights
- Channel Selector Button
- Channel Repeat Button
- FM Stereo Indicator Light
- Local/Distance Switch


# Speakers for Car Stereo Tape Players 

## LAFAYETTE "QUICK MOUNT" STEREO HI-FI CAR SPEAKERS

## Only <br> $14^{95}$

- Handles 10 Watts Per Speaker
- Easily Fastens to the Fire Wall, Kick Panel or Under Seat

Quality pair of $51 / 2^{\prime \prime}$ speakers with 5.5 oz ceramic magnets, and cloth roll suspension for true hi.fil 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 illustrated mounting instructions. Wt., $33 / 4 \mathrm{lbs}$ 32 P 01977 $\qquad$

PAIR OF DELUXE REAR OECK SPEAKERS WITH LOUVER GRILLS


- $4 \times 6$ " Wide Range Speaker
- Multi-Impedance- $\mathbf{4}$ and 16 ohms

Features Direct-A-Sound louvered grills, Ad just the louvers to direct the stereo sound to your own taste. Powerful $4 \times 5^{\prime \prime}$ speaker with 5.36 oz . magnet handles 16 watts of power. Includes 32 ft . of speaker wire. Black with silver trim. Shpg. wt., 7 lbs .
17 P 74025 W
.Net 19.95

## CAR SPEAKER SWITCH

## PAIR OF TRUSONIC DIE-CAST STEREO HI-FI SPEAKERS FOR THE CAR

## $29_{\text {Bait }}^{95}$

With Grills and Mounting Hardware

- Power Handling: 12-Watts
- For Door or Rear Deck Mounting
- Frequency Response: $50-18,000 \mathrm{~Hz}$

Reproduces magnificent hi.fi sound in the car. Powerful $5^{\text {" }}$ fullrange speaker delivers brilliant clean highs to $18,000 \mathrm{~Hz}$ and deep solid bass down to 50 Hz . Features rigid die-cast frame, free cone suspension, 2 lb . magnet structure and $1^{\prime \prime}$ edge-wound wire ribbon volce coil. Handles 12 full watts of power. Custom mounts in door panels or on rear deck. Impedance 8 ohms. Wt., $61 / 4 \mathrm{lbs}$. 32 P 49489 2-Speaker Kit.

## PAIR OF DELUXE TRUSONIC $6^{\prime \prime}$ 2.WAY HI-FI SPEAKERS FOR THE CAR


per pair

## - 2 lb . Magnet Structure

- 25.Watts Power Handling
- Frequency Response $45-18,000 \mathrm{~Hz}$

The ultimate in an automobile speaker. Remarkably smooth response. Massive 2 lb . magnet structure. $1^{\prime \prime}$ voice coil. Pressure die-cast frame. Free edge cone suspension, separate high frequency cone. Free air reso-nance- 40 Hz . Impedance: 8 ohms. Hand. some black square grille with silver trim. Custom mounts in door panels or on rear deck. Includes hook-up wire, instructions. and templates. Wt., 8 lbs. No Money Down** 32 P 49604 Net per pair 44.95

## REPLACEMENT GRILLS

FOR CUSTOM CAR SPEAKERS


## $\stackrel{\%}{8} 8^{\circ}$

For 5" speakers. Two types to choose from: perforated steel or black molded plastic. Supplied with all necessary hardware. Shpg. wt., 1 lb .
Perforated steel-diameter $53 / 4^{\prime \prime}$.
32 P 49547
.................Net . 99
Black molded plastic-diameter 5\% ${ }^{\text {" }}$ "
32 P 49554 ......................................Net . 88

## Popular Priced LAFAYETTE Speakers for Car Stereo Tape Players



Ideal for use as an auto speaker or anywhere shallow depth is required. Fult range speaker has heavy magnet and offers outstanding sound quality. Can also be used as a ceiling or wall mount speaker in your home. $\mathrm{mp},{ }^{8}$ ohms. Overall dia.: $61 /{ }^{\prime \prime}$ Imported. Shpg. wt., $13 / 4 \mathrm{lbs}$.
99 P 01794 ...............Net 4.19

> PAIR OF $3 \times 5$ UNDERDASH MATCHING SPEAKER SYSTEMS
 95

Handsome pair of two $3 \times 5{ }^{\prime \prime}$ wide - range ceramic speakers mounted in plastic housing. Will mount under dash, under seats, on kick panels, doors, or rear package shelf. Includes all necessary cables and mounting hardware. Impedance, 8 ohms. Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$. 99 P 62994 ................Net 6.95

> CUSTOM INDOOR SET OF FOUR SPEAKERS \& MATCHING GRILLS


Ready for quick installation. Im. proves the sound of any car tape player. Kit includes: Four $43 / 4{ }^{\prime \prime}$ extended range 8 -ohm PM speakers; four round custom mount plastic speaker grills; hookup wire with solderless 'connectors; mounting hardware and easy instructions. Imported. Wt., $31 / 2$ lbs.
99 P6286!


Set of two poweriful $4^{\prime \prime}$ speakers mounted in handsome ebony plastic cabinets with silver trim. Designed to mount on car's rear deck. 5 watts peak handling power. Provides outstanding sound reproduction. Includes all necessary cables and mounting hardware. Imp. 8 ohms. Wt., 23/4 lbs.

# 4.Channel Car Tape Players and Accessories 

## LAFAYETTE 4 and 2-Channel 8-Track Stereo Car Tape Player

Only


Completely Compatible - Plays both the New Q8 4-channel and 2-channel Stereo 8-Track Tapes

## - FEATURES •

- Front and Rear Balance Control
- Left and Right Balance Control
- Separate Tone and Volume Controls
- Pushbutton Channel Selector
- Individual Channel Indicators


## SONY/Superscope TC84 4-Channel 8 Track Stereo Car Tape Player NEW!



16995

- Automatic 4 or 2. Channel Switching
with all Mounting Hardware Less speakers
This stylish deck plays both 2 and 4 -channel stereo tape cartridges; lets you enjoy full-bodied sound while in your car. Deftrers a powerful 20 watts RMS ( 5 watts per channel). Four individual level controls permit separate adjustment of tront and rear and left and right speakers. Other easy to reach front panel controls are master volume, master tone control, program selector switch, and illuminated channel indicator, Can easily be installed in any automobile with a 12 -valt negative ground electrical system. For added satety, the front-panel has protective padding with recessed controls. Frequency response of 50 Hz to 12 kHz . Wow and flutter: $0.025 \%$. Suppiled accessories include: mounting hardware; spare 4.5 amp fuse and CLH1 head-cleaning pen. Dimensions: $112 / 4 \mathrm{~W} \times 2{ }^{13}$ \% $\times 8 \%{ }^{\circ} \mathrm{D}$. Shpg. Wt., $8 \mathrm{lbs}, 14 \mathrm{oz}$. Imported.
27 P60868w No Money Down
Net 189.98
Cusfom Set of 4 Speakers Pius Srils. Imported.
99 P 82861 Shpg. wt., 342 lbs
.Net 0.95

4-channel sound provides a magnificent new listening experience. Now with this delure tape player you can enjoy 4-channel sound in the comfort of your car. Plays bath the new discrete 084 -channel tapes, and the conventional 2 -channel 8 -track stereo cartridges. Features solid-state circuitry, 4 or 2 channel selector button, automatic or manual program selection, lone control, volume control, front-rear balance control, left-right balance control, chamnel indicator, and channel selector button. Power output 4-watts x4; Response 50-8,000 Hz. Signal-to-Noise Ratio 40 db or better. Speaker Impedance 4 to 8 -ohms. 20 transistors, 1 diode, and 8 Thermistors. For 12 volt negathe ground car systems. Size: $2 \mathrm{H} \times 8 \mathrm{~W} \times 81 /{ }^{\prime \prime} \mathrm{D}$. Amported, Shpg. wt. 6 lbs.
$99^{\circ} \mathrm{P} 16065 \mathrm{~W}$ No Money Down* $\qquad$ Net 19.95
Custom Set of 4 Speakers Plus Grills. Imported.
99 P 62861 Shpg. wt., $31 / 2$ lbs. $\qquad$ Net 8.95

## LAFAYETTE 4 Dimensional Car Stereo Adapter

Thrill to a Spectacular New Sound in Your Car.

- Derives 4 Dimensional Sound From 2-Channel Stereo Tape cartridges and FM Stereo Broadcasts.

Derives magnificent 4 dimensional sound from your present 2-channel car stereo tape or FM stereo radio. Reproduces original recording studio sound-reflective sound (ambience) which is not heard in a conventlonal 2 -channel stereo system. Front panel contains rear level speaker control, 2 or 4 dimensional mode switch, and front (left and right) speaker level controls. If your present car stereo system has 4 speakers... all you require is the Lafayette 4 Dimensional Adapter. If you have only 2 speakers, you must add the adapter and 2 additional speakers (see listing below). Includes two 3 ft . two 6 ft ., and iwo 15 ft . connecting cables, Sizes $151 / 2 \mathrm{~W} \times 13 / 4 \mathrm{H} \times 21 /{ }^{\prime \prime} \mathrm{D}$. Shpg. wt. 2 lis. Imported. For 12 volt Negative Ground Systems.
89P85128
$3^{\prime \prime} \times 5^{\prime \prime}$ Matchin Rear Deck Speaker Systems...........................................................
Pair of Two 15 Matchin Rear Deck Speaker Systems.
99 P 62984 Shpg. wt., $21 / 2$ lbs.........................................Net 6.95

# Big Name Pre-Recorded 8-Track Stereo Tape Cartridges Shpg. Wi., 8 oz. ea. 



28 P 44561 Shaft-Music from the movie
28 P 44553 Music from Fiddler on the Roof-Tradition, Sunrise Sunset, To LIfe, If I Were a Rich Man, \& others
28 P 44066 Dean Martin--Young and Foolish
28 P 44074 Dean Martin-I Can't Give You Anything But Love
28 P 44090 Jachie Gieason-The More I See You
28 P 44090 Pete Fountain-New Orleans Style.
28 P 44108 Harry James-You Made Me Love You.
28 P 44116 Glen Campbell-A Satisfied Mind
28 P 44181 Patsy Cline-I Can't Forget You.
28 P 44231 Today's Pops tt2-Midnight Cowboy, Raindrops Keep Falling, Jean, plus others.
28 P 44249 Today's Pops \#3-Bridge Over Troubled Waters, If Were a Carpenter, Kentucky Rain, plus others.
28 P 44264 The Music and Songs from "Hair.;
28 P 44272 Johnny Cash-I Walk the Line, Born to Lose, Cry, Cry, Cry Straight A's in Lave.
28 P 44546 Johnny Cash-Folsom Prison Blues-Ways of a Woman Just About Time, Sugartime, Mean Eyed Cat, \& others.
28 P 44322 Sounds of the Woodstock Age-Sung and Played by Tribe. 28 P 44314 David Clayton Thomas-The Super Voice of Blood, Sweat and Tears, and Linda Ronstadt \& the Stone Poneys.
28 P 44280 Rod McKuen-Love's Been Good to Me
28 P 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 P 44298 The Guess Whe-Wild One, Pretty Biue Eyes, Don't Be Scared, Shot of Rhythm and Blues.
28 P 44173 Hank Locklin-Queen of Hearts, Lessons in Love, The Red Rose, I Always Lose.
28 P 44512 Merte Haggard/Bonnie Owens-That Makes Two of Us, l'il Take a Chance, I Wanta Live Again, Forever and Ever, Stranger in My Arms, plus more.
28 P 44025 Frank Sinatra-Nevertheless I'm in Love With You

28 P 44033 Sergia Mendes-So Nice
28 P 44041 Nat King Cole-Love Is a Many Splendored Thing.
28 P 44058 Nat King Cole-Stay as Sweet as You Are
28 P 44355 The Glen Camphell Album-Only the Lonely, That's All Right, Woman's Worid, Same oid Places, plus more
20 P 44363 Woodstock-Vol. III.
28 P 44371 Nancy Wilson-Goin' Out of My Head, The Shadow of Your Smile, Yesterday, Uptight, and I Love Him, plus more
28 P 44389 Johnny Cash-Rock Island'Line, The Wreck of the Old 97 Come in Stranger, Hey Porter, I Heard that Lonesome Whistle.
28 P 44397 Love Story-Melachrino Strings.
28 P 44405 Jesus Christ Superstap-Musical Excerpts from the Rock
8 Opera, I Don't Know How to Love Him and others
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 P 44421 Beach Boys-Famous Hits,
28 P 44439 Tennessee Ernie Ford-Jesus Loves Me, Onward Christian Soldiers, Shall We Gather at the River, plus more.
28 P 44447 Tennessee Ernie Ford-Standing in the Need of Prayer
28 P 44454 The Four Seasons-The Brotherhood of Man.
28 P 44462 Roger Miller-Engine, Engine 9
28 P 44470 The Cowsills-The Serendipity Singers-The Mindbenders -The Lincoln Park Zoo
28 P 44488 Big Bands-Original Big Band Theme Songs Played by the Original Artists-Benny Goodman, Harry James, Les Brown, Glen Gray, and others
28 P 44496 Lynn Anderson-Flower of Love. Games People Play, Okie from Muskogee, Stand by Your Man, and others.
28 P 44504 Hank Thompson-Simple Simon, Simple Heart.
28 P 44520 Buck Owens-If you Ain't Loving.
28 P 44538 Guest Stars of the "Hee Haw' Show--Buck Owens, Faron Young, Ferlin Husky, Sonny James, Wynn Stewart, George
Jones.


## RCA 4-Channel Stereo 8-Track Tape Cartridges

Only


Lafayette 4-Channel Stereo 8-Track Demonstration Tape "Listening Is Believing" Only $\int_{\text {each }}^{95}$

Made for LAFAVETTE by Columbia

Ideal tape cartridge to make sure your d-channel 8 -track stereo system is properly set up. Program 1 on the tape includes 400 Hz signals for left front speaker, right front speaker, left rear speaker, right rear speaker. Next you will hear Leonard Bernstein and the New York Phllharmonic play excerpts of Tchaikovsky's 1812 Overture first in Mono, then in 2 -channel stereo, and lastly magnificent 4 -channel stereo. Program 2 consists of excerpts from Tchaikousky's Swan Lake Ballet in breathtaking 4 -channel stereo. Shpg. wt., 6 oz .
28 P014131
Net 3.95
Columbia 4-Channel
Only
88
EACH

## Stereo 8-Track Tape Cartridges

28 P 68008 L Barbra Streisand-Stoney End
28 P 68016 L Bernstein, N.Y. Phil.-Also Sprach Zarathustra
28 P 68024 N No, Mo Nanette-Original Cast Album

## 8-TRACK TAPE CARTRIDGE PLAYERS \& CHANGERS

## Portable Battery/Electric 8 -Track Stereo Tape Player

## ONLY 6210 with Batteries

- 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 Lever Tone and Volume Controls

Truly portablel 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 solid state 8-Trach Tape Cartridge player operates on 117 VAC or 8 " $D$ " cell batteries. Separate left and right slide lever volume controls and tone controls. Two quality hi-fi speakers assure many hours of listening pleasure. Pushbutton channel selector and


[^17]
## Portable AM/FM Stereo 8-Track Tape Cartridge Player

## 3-WAY OPERATION

1) Self-Contained Battery or 8 " $D$ " Cells 2) 117 VAC House Current 3) 12 V Neg. Ground Car or Boat System

- Beautifully Styled Grey and Ebony Cabinet
- Automatic or Manual Channel Selector
- 2 Acoustically Matched 4" Speakers
- Advanced Solid-State Circuitry
- Individual Channel Indicators
- Precision AM/FM Slide Rule Dial
- Separate Tone, Volume, Balance Controls


With Batteries and Earphone
No Money Down ${ }^{\circ}$

Truly Portable! Listen to 8 -Track Stereo Tape Cartridges or FM Stereo, FM, and AM broadcasts wherever you go. Magnificent sound quality. Each Speaker can be separated up to 5 ft . For full stereo reailsm. Beautiful styled grey and ebony cabinet with chrome
accents. Measures $6^{\prime \prime} \times 74 / 4^{\prime \prime} \times 101 / a^{\prime \prime}$. Plays when closed. Imported. Shpg. Wt., $131 / 4$ lbs. 17 P 0233iw Extra " $D$ " Batteries. 8 required. 99 P 62564

$$
\text { Net ea. . } 19
$$

## NEW TELEX Automatic 8 -Track Stereo Tape Player/Changer Deck

## $249^{95}$

with Dust Cover

- Plugs Into Any Standard Stereo Amplifier or Receiver
- Operates Vertically or Horizontally

Automatic stereo tape cartridge changer deck. Plugs into any standard stereo amplifier or receiver. Switches and selects $\mathbf{1 2} 8$-track cartridges of any length in 4 automatic modes of operation: (1) Plays all channeis of all tapes in sequence, (2) Plays random selection of tapes, (3) Plays individual tracks of each tape, (4) Repeat-play same cartidges. Dust cover for tape protection Included. Instant-on solidstate circuitry. Durable walnut finish vinyl base. Size: $181 / a \mathrm{~W} \times 9 \mathrm{H} \times$ $164 /$ " $^{\text {² }}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., 34 lbs.
27 P 28012 wX No Money Down*
Net 249.95


# Low, Low Prices on 8-Track Tape Players LAFAYETTE RK-850A 8-Track Stereo Playback Amplifier 

Only
$69^{95}$

AAM 2 YEAR GUARANTEE
see Page 415
Model RK-850A is Actually 2 Hi -Fi Components in One:

1) 20 -Watt Stereo Amplifier
2) 8-Track Stereo Playback Deck

## RK-850A AMPLIFIER FEATURES

- Inputs for Phono, Tuner, and Tape
- Main and Remote Speaker Switch
- Instant-On Solid-State Circuitry


## RK-850A 8-TRACK TAPE DECK FEATURES

- Individual Illuminated Track Indicator Lights
- Pushbutton Track Selector
- "Remove Tape"Indicator Light

The RK. 850 A is an Improved version of the RK. 850 and now includes both Magnetic and Ceramic phono inputs. The RK-850A has solid-state circuitry ( 16 transistors, 3 diodes, and 2 thermistors) for supert highfidelity performance and reliability. Exclusive "Remove Tape" indicator light will provide years of trouble-free 8-track performance . . . no longer will you have to worry about damaging 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. Convenient operating features include: Push-button Track Selector; 4.Illuminated Track Indicator Lights; inputs for Phono (Magnetic and Ceramic),

Tuner, and Auxiliary; plus tape output for external tape recorder. Push-button switches for: Main and Remote speakers; Loudness; Stereo/Mono mode. Separate controls for Volume/Batance, Treble. Bass. Stereo headphone jack. SPECIFICATIONS: Tape Section-Response: 30 to $10 \mathrm{kHz} ; \mathrm{S} / \mathrm{N}: 50 \mathrm{db}$; Wow and Fiutter: $0.3 \% \mathrm{rms}$. Amplifier Section- Power Output: 20 Watts $\pm 1 \mathrm{db}$; Frequency Response: 20 Mz to 20 kHz ; Separation: 60 db ; H/D: $0.2 \%$; Input Sensitivity: HiLevel, 250 mV ; Magnetic 4.5 mV ; Hum and Noise (Aux.. Tuner, Phono CER): 70 db . Attractive simulated walnut grain case. For 105/120 VAC, 60 Hz . Size: $12 \mathrm{~W} \times 33 / 4 \mathrm{H} \times 9 \mathrm{~V} / \mathrm{s}^{\prime \prime} \mathrm{D}$. Imported.
99 P 15927 W Shpg. wt., $161 / 2 \mathrm{lbs}$. No Money Down* ..... Net 69.95

# LAFAYETTE LRK-480 Combination 4 and 2-Channel 8-Track Tape Player and AM/FM Stereo Receiver 

AAM 2 YEAR GUARANTEE
see Page 415
Only
$159^{95}$

## AM/FM STEREO RECEIVER FEATURES

- 20 Watt $\pm 1 \mathrm{db}$ Stereo Amplifier
- Main, Remote, or Main and Remote Speaker Selection
- FM Stereo Indicator Light with Acritune
- Magnetic and Ceramic Phono Inputs
- Front Panel Stereo Headphone Jack


## 8.track tape player features

- Autormatic Mode Selection for 2 or 4-Channel Tapes
- Individual Illuminated Program Track Indicator Lights
- Remove Tape Indicator Light
- Spill-Proof Capstan Mechanism

This versatile AM/FM Stereo Receiver features 4-CHANNEL COMPATIBILITY. By adding an external stereo amplifier and 2 speakers you can play the new 4 -channel 8.track stereo tape cartridges thru the LRK-480. With the LRK-480's exclusive "Composer" circuit, you can also derive 4 -channel stereo material from conventional 2 -channel B.track stereo cartridges, FM stereo broadcasts, and records (when you connect a stereo record changer). The solid-state AM/FM Stereo Receiver features an FM stereo indicator light and ACRITUNE circuitry for foolproof visual FM tuning accuracy. Aux Inputs, Tape Record Outputs, and an AC convenience jack are provlded on the rear panel. Separate bass and treble controls. Pushbutton switches for Tape/Off, Loudness, Stereo/Mono, Hi-FiIter. SPECIFICATIONS: Power Qutput: 20 -Watts $\pm 1 \mathrm{db}$; Input Sensitivity: Phono (mag.) 4 mV , (ceram.) 130 mV ; Auxiliary: 275 mV ; Output Impedance: $4 \& 8$ ohms; Tuner: FM Sensitivity: $3.5 \mu \mathrm{~V}$; S/N Ratio: 63 dt ; Stereo MPX Separation: 35 db at 400 Hz . Built-in AM and FM antennas. Size: $41 / 2 \times 191 / 2 \times 131 / 4{ }^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpg. wt., 30 lbs. 99 P 02677WX No Maney Down*

Net 159.95

## LAFAYETTE 2-Channel 8-Track Stereo Playback Decks

## Add 8-Track Tape Listening to Your Stereo System

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

- Built-in Solid-State Stereo Playback Preamplifier
- Pushbutton Track Selector
- Individual Illuminated Track Indicator Lights
- Spitl-Proof Capstan Mechanism


## "" $59^{95}$

Our Best<br>8-Track Tape Deck

Designed to complement the finest stereo systems. Unique capstan bearing assembly insures long-life operation without damage to your tapes. Spill-proof mechanism stops tape from wrapping around cap. stan. Built-in solid-state stereo playback pre-amplifiers. Connects to your stereo amplifier or receiver tape input. Tape plays continuously. Four indicator lights tell you which track is playlng 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 $0,2 \%$ rms. Tape Speed: $33 / 4$ ips. 4 -pole AC condenser motor. Walnut grain finished metal case. Brushed aluminum front panel. Size: $9 W \times 41 / 8 \mathrm{Hx} 91 / 4^{\prime \prime}$ D. For 117 VAC., 60 Hz . Imported. Wt., 114 lbs. 99 P 15893 W No Money Down* .................Net 59.95


A quality low cost addition to your home music system, Just plug in to the tape or auxiliary input jack of your system, and you are ready to play back all pre-recorded 2-channel 8-track stereo tape cartridges. Cartridge slot door keeps out dust, improves performance. Illuminated track indicator lights tells you which track is playing. Pushbutton selector changes tracks instantly. Frequency response 50 to 8 kHz . S/N Ratio better than 44db. Attractive black and silver brushed aluminum front panel. Size: $87 / 8 \mathrm{~W} \times 43 / 4 \mathrm{H} \times 81 / 2^{\prime \prime} \mathrm{D}$. For $120 \mathrm{VAC}, 60 \mathrm{~Hz}$. imported. Shpg. wt., 9 lbs.
99 P 16107 W No Money Down* $\qquad$ Net 39.95

- Built-in Solid-State Stereo Playback Preamplifier
- Pushbutton Track Selector
- Individual Illuminated Track Indicator Lights


## NEW! RK-82 8-Track Stereo Cartridge Playback Deck

## - $39^{95}$

# LAFAYETTE Compatible 4 and 2-Channel Stereo 8-Track Playback Decks 

Deluxe RK-48A
4 and 2-Channel Stereo 8-Track Playback Deck

Our Best 4-Channel Playback Deck $97^{95}$

## Features "Continuous/Repeat" Selector Button

- Automatic Mode Selection for 2 or 4-Channel Tapes
- Connects to a 4-Channel Amplifier or Receiver Source
- Spill-Proof Capstan Mechanism
- 4 Solid-State Stereo Playback Preamplifiers
- Individual Illuminated Channel Indicator Lights
- Pushbutton Track Selector

Add the magnificent sound of discrete 4 channel tape cartridges to your present 4 -channel home system. The Deluxe RK-48A is also fully compatible for use with either conventional 2 -channel stereo cartridges or the new discrete 4 channel stereo cartridges. For playback of 4 -channel stereo cartridges, the RK-48A must be connected to either a 4 -channel amplifier or 4-channel receiver. Or, you can connect the RK-48A to an existing 2-channel stereo amplifier or receiver, and add an additional stereo amplifier for the two "rear" channels. Features a Continuous/Repeat button to repeat only one particular program, or continuously repeat all programs. Automatic mode
selection-insert either a 2-channel or 4-channel stereo tape and the deck plays instantly in the correct mode. Individual illuminated program track indicators; manual program selector; manual 2 or 4 -channel mode selector button, Spillproof mechanism stops tape from wrapping around capstan. Four built-in solid-state stereo playback preamplifiers. Specifications: Max. output: 1 volt; Hum \& Noise: -49 db ; Channel Separation: 45 db ; Distortion: $1 \%$; Wow \& Flutter: $0.2 \%$; Frequency Response: $30-10,000 \mathrm{~Hz} \pm 2 \mathrm{db}$. For $105-120 \mathrm{~V}, 60 \mathrm{~Hz}$. AC Power Fuse. Size: $91 / 2 W^{1} \times 101 / 2 \mathrm{D} \times 41 / 22^{\prime \prime} \mathrm{H}$. Imported. Shpg. wt., 11 lbs . 99 P 16040 W No Money Down*

Net 97.95

## NEW! anes 4 and 2-Channel 8-Track Stereo Playback Deck

- Selector Button for Either 2 or $\mathbf{4}$-Channel Tapes - 4 Solid-State Stereo Playback Preamplifiers - Individual Illuminated Channel Indicator Lights
- Pushbutton Track Selector

Plays all pre-recorded 4 and 2-channe! 8 -track stereo tape cartridges. Plugs into tape or auxiliary inputs of your 4 -channel amplifier or receiver. Features 2 or 4 -channel mode selector button, 2 or 4 -channel indicator lights, pushbutton track selector, and individual channel indicator lights. Four built-in solid-

state stereo playback preamplifiers. Max output: 0.5 V , Distortion: $1.7 \%$, Frequency response: 50 to 8 kHz . For $120 \mathrm{VAC}, 60$ Hz . Size: $87 / 8 \mathrm{~W} \times 81 / 2 \mathrm{Dx} 43 / 4{ }^{\text {"H}}$. Imported. Shpg. wt., 9 lbs .

## Solid-State 8-Track Stereo Tape Cartridge Recorders

## Portable Battery/Electric 8-Track Stereo Recorder/Player

NEW! PANASONIC RS-806US Solid-State 8-Track Stereo Record/Playback Deck

for record changer or FM stereo tuner. Pushbutton program selector. Separate channel indicator lights. Two 4" wide-range speakers may be separated up to 4 ft . for maximum stereo separation. Instant on solid-state circuitry. Size: $123 / 6 \mathrm{H} \times 91 / 2 \times 7^{\prime \prime} \mathrm{D}$. Imported.

## 17 P 73050 W Shpg. wt., 11 lbs.

Net 79.95
99 P 62564 " $D$ " Batteries for above ( 8 req.) ....Net ea. 19 17 P 73068 Microphone for above. Wt., 2 oz......Net ea. 3.95 12 VDC Power Cable. Connects to car cigarette lighter. 17 P 73076 Shpg wt., 6 oz.

- Automatic Total-Mechanism Shut-0ft - Locking Pause Control

Use this handsome dech to record your own stereo 8 -track tapes Manual recording volume controls, 2 Illuminated vu meters, mic and aux inputs, and front panel headphone monitor jack assures exceptional recording quality. Features: 3-way cartridge eject system, fast forward, automatic and manual program selection, walnut wood cabinet. Includes: head cleaning pen, and patch cord. Freq. Response: 30 Hz to 13 kHz . S/N Ratio: 45 db . Low impedance mike input. Output level: 0.5 V at zero VU. Size: $14 \mathrm{~N}_{6} \mathrm{~W} \times 43 \mathrm{i} \mathrm{H} \times 83 / 4 \mathrm{~m}$. For 120 VAC, 60 Hz . Imported. Shpg. wt., 13 lbs .
27 P 60718 No Money Down ${ }^{*}$
Net 169.95

## NEW! SONY/Superscope TC-228 8-Track Stereo Recorder/Player Deck




Records Live, Or From
External Stereo Record Changer or Radio

Nel 169.95

## NEW! SANW RD-8350 8-Track 2 \& 4 Channel Play/2 Channel Record Deck

$179^{95}$
No Money Down*

- 2 VU Record Level Meters - Pause Control for Cueing and Editing

This unique 8-track tape deck has been designed to play both 4 and 2 channel stereo tape cartridges, and record 2 channiel 8 -track tape cartridges. Connects to the tape input and output jacks of any 2 or 4 channel stereo amplifier or receiver. (For 4 channel playback you require a 4 channel amplifier or two 2 channel amplifiers, and 4 speakers.) Features solid-state circuitry, 2 VU record level meters, pause control, fast forward, automatic stop, front panel mike input iacks, channel indicator lights, mode indicator lights, and cartridge eject system. Freq. response $50-12 \mathrm{kHz}$. $\mathrm{S} / \mathrm{N}$ ratio 45 db . Mixe inpust impedanceHigh. With all connector cables. Size: $173 / 8 \times 123 / 8 \times 43 / 4$ " overall. For 117 VAC. 60 Hz . Imported. Shpg. wt., 14 lbs .
27 P 76037 W


- Plays Back 4 \& 2 Channel 8 -Track Stereo Tape Cartridges
- Records 2 Channel 8 -Track Stereo Tape Cartridges

Make your own 8-Track Stereo Tapes, or enjoy pre-recorded ones. Connects to the tape input and output jacks on your stereo amplifier or receiver. Separate left and right channel volume conirols. Eject button. Program selector button. Lighted program indicators. Input jacks for MIC (2) and AUX (2). Output jacks for line (2) and headphone. Includes connecting cables and head cleaning bar. Size: $4 \mathrm{~V} / \mathrm{BH} \times 162 / 3 \mathrm{~W} \times 91 / 4^{\prime D} \mathrm{D}$. For 117 VAC 60 Hz , Imported. Shpg. wt.. 13 lbs.
27 P 12347 W No Money Down
Net 114.95

NEW! PANASONIC RS-8185 AM/FM Stereo 8-Track Record/Playback System


The RS-8185 Recorder Section features: slide-in cartridge operation, locking fast forward button, eject button, program selector and lighted program indicator, and 2 VU meters. AM/FM Stereo radio has slide-rule tuning dial, built-in antennas. AFC on FM, FM Stereo Indicator, and separate volume and tone controls. Handsome walnut wood cabinetry. Input jacks for Mic(2). Aux(2), and Phono(2), Output Jacks for Line(2), Ext. Speaker(2), and Headphones. Size: 8-trach section: $53 / 4 \mathrm{H} \times 203 / 4 \mathrm{~W} \times 123 / 40 \mathrm{D}$, Ea. Sph. Sys.: $133 / 4 \mathrm{H} \times$ $101 / 2 \mathrm{~W} \times 534^{\prime \prime} \mathrm{D}$. For 117 YAC, 60 Hz . Imported. Shpg. wt. 36 los. 27 P 12354 Wx No Money Down* ...........................Net 239.95

## 8-Track Stereo Tape Recorders



Only

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

 Record 8-Track Cartridges Thru Your Stereo Amplifier or Receiver, or Live with Mikes Using the RK-890A
## EXCLUSIVE FEATURES:

- Automatic Cartridge Ejector-Insures you do not damage the tape head and your cartridge
- Specially Designed Built-In Lalayette Solid-State Stereo Record/Playback Pre-Amplifiers

Even better than our wideiy acciaimed RK-890. The improved RK890A's new features include a repeat program selector, stereo-mono mode switch, meter overioad protection circuitry, automatic return of all functlon buttons to neutral (off positions) after cartridge ejection, and increased bias frequency to 82 kHz . Offers unsurpassed 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 impotant, you can automatically record each track individually and stop.
SpecIfications: 2 Mike Inputs, (Sensitivity ea., 1 mV and 100 mV ). Bias Freq.: 82 kHz, AC erasing system, Freq. response: $30 \cdot 12,000$ Hz , Wow \& Flutter: less than $0.25 \%$, Channel Separation: 30db, Output level: 1 volt Max, 300 mV Average. 17 Transistors, 13 Diodes Walnut metal wrap around case. Brushed gold anodized aluminum trim. AC Power Fuse. For 117 VAC, $50 / 60 \mathrm{~Hz}$. Size: $12 \times 33 / 4 \times 91 / \mathrm{B}^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., 16 lbs.
99 P 15968 No Money Down* $\qquad$ Net 139.95
Microphone for RX-890A. Imported. Shigg. wt., 1 oz. 99 P 46161 $\qquad$
Lafayette $70 \mathrm{Min} .8-\mathrm{fr}$. Mylar Recording Tape. Shpg. wt., 6 oz 28 P 01439 ..........................................................................

## RECORD FEATURES

- Stop after each Channel and Automatic Eject. or Stop after Channel I thru 4 and Eject
- Sound with Sound Mixing
- Pushbutton Manual Eject
- Pushbutton Fast-Forward
- Front Panel Left and Right Channel Microphone Input Jacks
- Record Safety Interiock Button
- Illuminated Track Indicator Lights
- Dual Recording VU Level Meter
- Separate Dual Concentric Microphone and Aux. Volume Controls


## PLAYBACK FEATURES

- Continuous and Repeat Play
- Pre-Select and Piay any 1 Channel and Stop and Automatic Eject
- Pushbutton Track Selector
- Illuminated Track Indicator Lights
- Pushbutton Fast Forward
1.95 - Pushbutton Manual Eject


# AKAI CR-80DSS 2 and 4-Channel Stereo 8-Track Record/Playback Tape Deck 

## $289^{95}$

- Includes 4-channel cartridge demo tape, all connecting cables, and head cleaning brush
- 4 Record and Playback Solid-State Stereo Preamplifiers

Now you can record and playback 4-channel, 8-track stereo tape cartridges through your 4 -channel stereo receiver or amplifier. The CR-80DSS is fully compatible you can also record and playback 2 channel 8 -track tape cartridges. Features: 4 VU Record meters, fast forward control. Heads: 4-Track 4-Channel stereo Recording/Playback. 4-Track Erase. Input jacks: 4 mic-input level/impedance $0.4 \mathrm{mV} / 30 \mathrm{~K}$ ohms, 4 line input lacks; input level/impedance: 40 mV .

300 K ohms. 4 line output jacks, 1 headphone jack. 19 transistors, 18 diodes. Tape Speed: $33 / 4$ IPS. Freq. Response: 50 to $16,000 \mathrm{~Hz}$, Signal to Noise Ratio-better than 47 db , Recording bias frequency 65 kHz . Size: $19.4 \mathrm{~W} \times 5.5 \mathrm{H} \times 11.2^{\prime \prime} \mathrm{D}$, For 100 V to 240 V AC $50 / 60 \mathrm{~Hz}$. Shpg. wt., 291/4 lbs. Imported.
27 P $56013 W \mathrm{~W}$ No Money Down*
Net 289.95

# LAFAYETTE 8-Track Stereo Tape Recorder with built-in AM/FM Stereo Receiver 



Model LRK-855
Record 8-Track Stereo Tape Cartridges Direct from ONLY

## $219^{95}$

 thru Microphones, or Connect a Turntable and Record Your Favorite LP RecordsNo Money Down*
8-TRACK RECORDER FEATURES

- Remove Tape Indicator Light
- Record Safety Interlock Button
- Front Panel Mike Input Jacks
- Illuminated Track Indicator Lights
- Automatic Stop-Motor Shuts Off

AM/FM STEREO RECEIVER FEATURES

- 20 Watt $\pm 1 \mathrm{db}$ Stereo Amplifier
- Built-in Circuitry to Derive 4-Channel Stereo
- Main, Remote, or Main and Remote Speaker Selection
- FM Stereo Indicator Light and "Acritune"
- Magnetic and Ceramic Phono Inputs

> The LRK-855 8-Track Stereo Tape Cartridge Recorder Section has a full complement of deluxe features: automatic stop and motor shut-off after last channel has been recorded; direct 8 -track recording from the AM/FM stereo receiver; front panel, dual concentric left and right channel record level controls; and 2 illuminated VU-record level meters. The LRK-855 Receiver Section features: special 4 -channel Composer circuitry for deriving 4 dimensional sound from your stereo records, tapes, and FM broadcasts. Playback of 4 dimensional sound requires 4 speakers- 2 front and 2 rear; FM-stereo indicator light; Acritune circuitry for foolproof visual FM tuning accuracy; front panel stereo headphone jack; inputs for Aux., Phono (Cer. \& Mag.); Tape Recording

Outputs. Output transistors are fused for overload protection. SPECIFICATIONS: Amplifier Power Output: 20 Watts $\pm 1 \mathrm{db}$ at 8 ohms, Freq. Response: $20-20.000 \mathrm{~Hz}$ $\pm 1.5 \mathrm{db}$, Input Sensitivity-Phono (Mag.) 4 mV , (Cer.) 130 mV . Aux. 275 mV , Tuner FM Sensitivity: $3.5 \mu V$, 8 -Track Recorder. Mike Input Sensitivity: 1 mV . Bias Freq.: 80 kHz , Freq. Response: $30-10.000 \mathrm{~Hz} \pm$ 3 db , Channel Separation: 30 db . SolidState Circuitry: 45 Transistors, 31 diodes. Walnut finished metal wrap-around case. Brushed gold anodized aluminum trim. For 117 VAC, 60 Hz . Size: $41 / 2 \times 191 / 2 \times$ 131/4"D. Imported. Shpg. wt., 26 lbs. 99 P 02511WX ...........Net 219.95

MIKE FOR LRK-855.
99 P 46161 Wt., 1 lb . .. Net 7.79

## AAM 2 YEAR GUARANTEE

See Page 415 for Details


SAVE 29.95 from individual catalog prices when you buy this fine performing music system. Features the LRK.855, 3 \&-Track Mylar Recording Tapes and 2 Lafayette Criterion 50A Bookshelf Speaker Systems and speaker hook-up cable.
Shpg. wt., 65 lbs.
99 P 92140 WXM ....Net 259.95

## 2 and 4.Channel Reel Stereo Record/Playhack Tape Decks

## JVC RD-1405 <br> NEW! $299^{95}$

Includes
Emply 7"Reel, 4-Channel
Demo Tape, 4 Connectting Cables


- 4-Channel Record and Playback


## - 4 Solid-State Stereo Preamplifiers

Versatile 2 -speed 4-Channel tape deck that allows you to record and playback the very latest 4 -channel tapes. Connects to your 4channel amplifier or receiver. Completely compatible-just flick a switch and you can record and playback regular z-channel tapes. Features 4 individual VU record level meters, 4 -digit tape counter with reset button, four front panel mike input jacks, Pause position for editing and cueing, Automatic Stop, 4 individual record level controls, retracting pinch roller, and a handsome walnut wood base. 2-Speeds: $71 / 2$ and $33 / 4$ IPS. Freq. Resp.: $30-19 \mathrm{kHz} 71 / 2$ IPS. Wow \& Flutter: $0.07 \%$ (a) $71 / 2$ IPS. S/N Ratio: 53 db (fi/2 IPS. Line Output: 1 V. 4 Aux. inputs. 4 tape outputs. Size: $123 / 4 \mathrm{H} \times 153 / 4 \mathrm{~W} \times$ $67 / \mathrm{s}^{\prime \prime} \mathrm{D}$. For 117 VAC. 60 Hz . imported. Shpg. wt., 21 lbs. 27 P 78025W No Money Down*

## AKAI Model 1730-SSD $349^{95}$ <br> With s-Channel Demo Tape, 7" Takeup Reef, <br> Connecting Cables



- 4 Channel Stereo Record/Playback
- 4 Solid-State Stereo Preamplifiers

Fine performing reel to reet tape deck has complete facilties for 4 -track 4 and 2 -channel stereo recording and playback. Connects to any 4 -channel stereo receiver or amplifier with tape input or output jacks. Features: 4 heads-record/playback and two erase; 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- $71 / 2 \& 31 / 4 \mathrm{IPS}$. Frequency response- 30 to $22,000 \mathrm{~Hz}$ S/N Ratio 50 db . Recording Bias Frequency- 100 K Hz .4 -mic input jacks: $0.4 \mathrm{mV} / 30 \mathrm{~K} .4$-line input jacks $-40 \mathrm{mV} / 100 \mathrm{~K}$. Hysteresis synchronous 2 -speed motor. For 100 to $240 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. Size: $161 / 2 \times 18$ x91/2". imported. Shpg. wt., 44 tbs.
27 P $56005 W X$ No Money Down*
Net 349.95

## 2-CHANNEL STEREO REEL-TO-REEL TAPE RECORDERS

## NEW! SHARP RD-708 4-TRACK SOLID-STATE STEREO TAPE RECORDER


$169^{95}$
No Money Down*

- 3-Speeds: 71/2, 3314, 17/8 IPS
- Two 2-Way Matched Speaker Systems
- Sound-with-Sound • Automatic Shut-Off

Complete portable solid-state 4 -track stereo tape system. Offers many deluxe features including two 2 -way hi-fi speaher systems in detachable enclosures, each consisting of a $61 / 4^{\prime \prime}$ dynamic woofer and 23 a $^{\prime \prime}$ tweeter. Automatic shut-off system at end of tape. Sound-with-sound capability, and tape monitoring system. Built-in solidstate stereo amplifier ( 5 -watts x 2). Independent Bass and Treble controls. 2 large scale VU meters. 3 -digit tape counter with reset. 2 Aux input jacks for phono or tuner, and external speaker jacks. Freq. Resp.: $40-16 \mathrm{kHz} 71 / 2$ IPS. S/N Ratio: 45 dm . Outputs: Ext. Amp. (2k ohm), Ext. Spkr. (8 ohms). Inputs 2 -Mic ( 200 ohm), Aux ( 470 ohm). Size: $153 / \mathrm{WW} \times 153 / 1 \mathrm{H} \times 10 \frac{1}{2} 2^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$.
27 P 22031 W Shpg. wt., 36 lbs. Imported.

- See Page 23 for Full Details on Easy Pay Plan

With 2 Dynamic Mikes, $7 *$ Recording Tape, $7^{\prime \prime}$ Take-up Reel, 2 Patch Cords, splicing Tape, and 2 Reel Retainers

## NEW! AKAI 1721W 4-TRACK 3-SPEED SOLID-STATE STEREO TAPE RECORDER



No Money Down*

- Two Buitt-In 5x7" Speakers
- Pause Control/Start Lever
- Includes 2 Dynamic Microphones, Empty $7^{\prime \prime}$ Reel, Demo Tape and Tape Cleaner

Deluxe self-contained 3 -speed 4 -track stereo/monaural tape recorder. Built-in all-silicon transistor stereo amplifter. 2-large Vu record level meters. 3-digit tape counter with reset button. Front panel microphone input jacks. Pause control lever for instant editing and cueing. SRT switch for using low-noise, high-output tapes. Magnetic phono cartridge input. Separate dual concentric Volume/ Tone controls for left and righi-channels. Two self-contained 587 speakers for wide-range hi-fi sound. Front panel stereo headphone jack. 3 -speeds: $71 / 2,33 / 4,17 / 2$ IPS. Frequency Response: $40-15.000$ Hz a $71 / 2 \mathrm{IPS}$ S/N Ratio: Better than 50 db . Output Power: 8 -watts. Size: $14 \mathrm{~W} \times 141 / 4 \mathrm{Hx9} 1 / 2^{\prime \prime} \mathrm{D}$. For 117 VAC, 60 Hz . Imported. Wt., 32 lbs. 27 P 56047W

Net 269.95

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

## NEW! <br> JVC RD-1695 3-SPEED STEREO RECORD/PLAYBACK TAPE DECK



## $159^{95}$

- 3-Speeds: $71 / 2,33 / 4$, and $17 / 8 \mathrm{ips}$
- Built-in Sound-on-Sound
- 4-Digit Tape Counter

Fine performing 4 -track 2-channel stereo tape deck with built-in solid-state IC stereo preamplifiers. Features sound-on-sound and sound-with-sound. 2 large VU level meters. Front panel mike and headphone jacks. Special tape selector switch for standard or lownoise high-output tapes. Pause control for editing or cueing. Separate slide-fever volume controls. Single tape function control knob. Handsome walnut wood cabinet. Freq. resp.: fow-noise tape $30-18$ kHz , high-output tape $30-16 \mathrm{kHz}$. S/N ratio: 52 db . Inputs: 2 mike (Imp. 10 k ohm), 2 Aux. Outputs: 2 Line ( $0-1.0 \mathrm{~V}$ ). With $7^{\prime \prime}$ take-up reel, patch cord. Size $123 / 4 \mathrm{H} \times 153 / 4 \mathrm{~W} \times 71 / 2^{\prime \prime} \mathrm{D}$. For $120 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpg. wt., 21 lbs.
27 P 78017 W No Money Down*
.Net 159.95
DELUXE AKAI 4000D 3-HEAD STEREO RECORD/PLAYBACK TAPE DECK


$229^{95}$

- One-Micron Gap Recording and Playback Heads plus Erase Head
- All-Silicon Transistorized Stereo Preamp

Superb performing 3 -head stereo record/playback tape deck with 4 mixing inputs, all-silicon transistorized preampliffer to minimize hiss, enlarged vU meters and Tape/Source Monitor switch. Features one-micron gap heads for excellent frequency characteristics, even at low speed. 2 -speeds, $71 / 2$ and $33 / 4$ ips. Automafic shut-off system and instant-stop Pause control for editing or ceeing. Equalization selector switch. Sound-with-sound recording. 3-digit tape counter with reset. Automatic tape lifters protect heads during fast forward and rewind. Front panel mike jacks and stereo headphone jack. Accepts up to $7^{\prime \prime}$ reels. Freq, resp.: $30-22 \mathrm{kHz} \pm 3$ to $\frac{10}{7} 71 / 2 \mathrm{ips}$. S $/ \mathrm{N}$ ratio: better than 50 db . Input Sensitivity: Mic 0.5 mV , Line 50 mV . Output Level: 1.23 VRMS $(a)$ VU. Diled walnut wood cabinet. Size: $123 / 8 \times 157 / 8 \times 71 / 2^{\prime \prime} \mathrm{D}$. Universal voltage selector ( 100 to 240 VAC , $50 / 60 \mathrm{~Hz}$ ). Imported. Shpg. wt., 27 lbs .

## NEW! <br> SONY/SUPERSCOPE TC-353D 3-HEAD 3-SPEED STEREO RECORD/PLAYBACK TAPE DECK



3-head design plus the added flexibility of a record equalization selector switch provides optimum performance with either standard or low-noise, high-output tapes. Features built-in solid-state stereo preamps. Automatic shut-off. 3-speeds: 71/2, 33/4, and $17 / 8$ ips. Front panel mike jacks. Stereo headphone jack. Freq. resp. (Std. tape): 30 $20 \mathrm{kHz} \pm 3 \mathrm{db} \sqrt{7} 71 / 2 \mathrm{jps}, \mathrm{S} / \mathrm{N}$ Ratio (Std. tape): 52 db . Inputs: 2 mike (how imp., see listing below) and 2 Aux. Outputs: 2 line ( 0.775 V ifir 0 VU). With empty $7^{\prime \prime}$ reel, 2 patch cords. Walnut wood cabinet, Size: $15 \% / \% \mathrm{~W} \times 7 \% \mathrm{DD} \times 133 / \mathrm{s}^{\prime \prime} \mathrm{H}$. For $120 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. 27 P 60650w Shpg. wt., 16 ibs. 9 oz .

Net 219.95 27 P 60379 F-98 Mike for above..Shpg, wt., 1 ib. ..Net ea. 10.95

## PROFESSIONAL TEAC A1230 3-HEAD STEREO RECORD/PLAYBACK TAPE DECK



$359^{95}$- High/Normal Record Bias Switch

- Dual Speed Hysteresis-Synchronous Motor - Buitt-In Mike and Line Mixer

Professional 2 channel record/playback stereo tape deck with many outstanding features: duat record bias position switch, front panel pause control. 3 -motor drive system, Edi-Q system for editing and cueing, built-in mike and line mixer, dual speed hysteresis-synchronous capstan motor, 4 -digit tape counter with reset button and reel table height adjustment. Specifications: Tape speed 71/2 IPS, $33 / 4$ IPS. Three, 4 track, 2 channel, stereo or monaural; erase, record and playback heads. Signal-to-noise ratio. 50db. Frequency response at $71 / 2$ ips is $30-22 \mathrm{kHz}$. at $33 / 4$ ips is $30-16 \mathrm{kHz}$. Output; 0.3 V , for load Impedance of 10 K ohms or more. Input; Mike- 10 K ohms. 0.3 MV minimum, Line- 100 K ohms, 0.1 V minimum. For 100 to 240 VAC, $50 / 60 \mathrm{~Hz}$. Size: $141 / 6 \mathrm{H} \times 17 \mathrm{~K}_{6} \mathrm{~W} \times 8^{\prime \prime} \mathrm{D}$. Imported.
27 P 15068 WX Shpg. wt., 483/4 lbs. No Money Down* ...Net 359.95 Madel a1250-Same Specs and Features as above but includes Automatic Reverse. Shpg. wt. 50 lbs.
27 P 15076 WX No Money Down*
Net 459.95
${ }^{0}$ See Page 23 for Full Details on Easy Pay Plan

# NEW: AKAI Portable Video Tape Recorder Systems 

## Model VTS-100S Solid State 1/4" Video Tape Recorder System

Better than movies! Provides Instant Replay! Complete system includes video tape recorder using $4 / 4^{* *}$ video tape featuring crystal ferrite video heads; $3^{\prime \prime}$ Detachable Video Monitor for on the spot playbacki Video Camera with built-in mike and Tape Indicator lamp. This indicator lamp cuts off when video tape comes to the end or is accidentally broken. System also includes 1 video tape, I video take-up reel, batteries for portable use and AC power pack and charger. The VIS-100S is lightweight. Can be taken with you anywhere. Special features includes: Automatic audio/video recording level control, remote control facilities on camera, lens 10 to 40 mm for wide angle and telephoto, pushbutton control panel, micro splitimage for quick and easy focusing, index counter, and automatic shut off. \$ize of recorder is $10^{\prime \prime} \times 4.4^{\prime \prime} \times 10.3^{\prime \prime}$. System operates on 2 rechargeable 6 V batteries (included) or 117 VAC 60 Hz . imported. Shpg. wt. 27 lbs. 27 P 56054 XY Net $\mathrm{t}, 295.00$ Modet VTS 1100x System, Same as VTS-100S except has $6: 1$ room lens ( 9 to 54 mm ), sound dub and video input for external recording direct from external TV set. Imported. Shpg. wt. 28 Ibs.
27 P 56062 XY
Net $1,595.00$
Tape for VTS 1100 X and VTS-100S
1.100 ft . of $1 / 4$ Video Recording Tape. Shpg. wt., 1 lb.
27 P $56070 Y$
Net 8.50


No Money Down*

## FREE: CRYSTAL RF CONVERTER With Purchase of Either VTS-100S or VTS-110DX System



## NEW: KAVICON Closed Circuit

 TV Camera
$214^{35}$ nomano bome

Quality CCTV camera has unlimited applications in industry, business, education, institutions, and the home. Sophisticated solid-state circuitry has very low power consumption. Lightweight and compact design permits inconspicuous mounting. Built-in $25 \mathrm{~mm} F / 1.8$ lens. Specifications: Scanning - Random interlace 525 lines/Irame; Scanning frames 25/30 frames/second; Synchronizing waveform: internal and is adjustabie; Image tube type: $2 / 3$ inch vidicon 20PE11. Will accept separate mesh 20PE13 vidicon; Resolution: Horizontal 550 lines at picture center, Vertical 350 lines; Video Output: Composite, 1.4 volts peak to peak (video 1 volt, sync.. 0.4 ), Sync. adjustable; RF output: 30 Mv (standard); RF resolution: 350 lines at picture center; RF output impedance: 75 ohms unbalanced; RF modulation 75 to $90 \%$ (variable). For 117 Y $50 / 60 \mathrm{~Hz}$. PL 259 connectors required; single " C " lens mount. Approved

44 P 31003W
Net 214.95
SCANNER with PAN HEAD, Camera Adapter and Wall Mount: 1 sweep/min. Scanning angles
$30-60-90-120^{\circ}$. Imported. Shpg. wt., 10 lbs.
44 P 31011 W
Net 88.00
${ }^{\circ}$ See Page 23 for Full Details on Easy Pay Plan

- For Sales Promotion, Security and Surveillance
- Deluxe 2/3* Vidicon TV Camera with 25 mm Lens
- FET Preamplifier
- Fully Transistorized Circuitry
- Video-RF Selector Switch
- Use with Any Home TV Set or Commercial Monitor


# Stereo Cassette Players and Recorders for the Car 



- Compact-Only $51 / 8 \mathrm{~W} \times 2 \mathrm{H} \times 71 / 4$ " D
- Automatic Reverse in Both Directions
- Solid-State IC Circuitry

The KP-333 is so compact, only $51 / 8 \mathrm{~W} \times 2 \mathrm{H} \times 71 / 4^{\prime \prime} \mathrm{D}$. It can be in stalied in the glove compartment of most cars. Operates on 12 -volt negative ground systems. Provides continuous play of stereo cassette tapes in both directions. Features solid-state ic circuitry-Power out. put 7.6 watts RMS ( 3.8 watts per channel). Separate controls for tone, balance and volume. Cassette eject bulton. llluminated tape direction lights. Manual direction changer. Speaker impedance $4-8$ ohms. Imported. Shpg. wi., 5 lbs.
17 P $85013 W$ No Money Down* $\qquad$ .Net 69.95
Pair of two $3 \times 5^{\prime \prime}$ Matching Speaker Systems
99 P 62994 Shpg. wt., $21 / 2$ lbs. .Net 6.95


- Continuous Playback
- Automatic Reverse in Either Direction
- Fast Forward and Rewind Controls

Automatic reverse-continuous play of pre-recorded stereo cassefte tapes. Also features pushbutton manual reverse. Powerful 25 -watt solid-state amplifier provides full fidelity sound. Separate slide lever controls for volume, tone, and balance. Manual eject at any point in the tape. lighted tape direction indicators. For 12 -volt negative ground systems. Includes all mounting hardware for easy under-dash instaliation. Speaker impedance: 4 and 8 ohms. Size: $73 / 4 \mathrm{~W} \times 31 / 4 \mathrm{H}$ $\times 91 / 2^{\prime \prime} \mathrm{D}$. Imported.
17 P 59125 W No Money Down*. Shpg. wt., 8 lbs. Net 99.95 Deluxe Set of 2 Rear Deck Matched Speaker Systems
99 P 62986 Shpg. wt., 3 lbs.
.Net 10.95

## SANYO FT-433 AM/FM STEREO R CASSETTE PLAYER/RECORDER <br> SANYO FT-433 AM/FM STEREO CAR CASSETTE PLAYER /RECORDER NEW! <br> 

HITACHI TRQ-206 CAR/PORTABLE
CASSETTE PLAYER/RECORDER


HITACHI TRQ-206 CAR/PORTABLE


# 10955 

Less Speakers

- 3-Way Operation-AC, Battery, or Car Battery
Includes Mounting Brack. ef with Lock and Key, Connecting Cable, Remote Contral Microphone, Power Cord, Demonstration Tape.
- Stereo Playback in the Car and Home Using Optional Speakers
- Monaural Record/Playback

Sensational and versatile cassete 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 its own batteries (operates on 8 "C" Cells not included)-or operates in the home on 117 VAC 60 Hz . Built-in wide-range speawer. Semislot tape loading. Automatic stop and eject. Fast Forward and rewind, separate Tone and balance controls. External speaker jacks for stereo. Size $94 / 2 \times 31 / 8 \times 101 / 2^{\prime \prime}$. Imported. Shpg. wt., $131 / 2 \mathrm{lbs}$. 27 P 23054W No Money Down* ..............................Net 109.95 Deluxe Set of 2 Rear Deck Matched Speaker Systems, Imported. 99 P 62986 Shpg. wt., 3 lbs. Imported . Net 10.95 99 P $62572{ }^{\text {" }} \mathrm{C}$ " Batteries-8 Req. Wt. 1 1b. ............Net ea. . 17

[^18]
## $159{ }^{\circ}$

Includes Microphone
With Remote Start/Stop Switch
less speakers

- Automatic Stop at End of Tape
- Separate Balance, Volume, and Tone Controls
- FM Stereo Indicator Light

The ultimate in a car stereo unit. Built-in AM/FM/FM Stereo radio with a high fidelity stereo recording and playback tape deck. Cas. sette Recorder features a unique cueing system with a pause push. button which starts and stops the tape instantaneously. Fast forward and rewind lever. Sensitive AM/FM Stereo Radio has cylindrical tuning. Power output 25 watts. Speaker impedance 4 \& 8 ohms. For 12 volt negative. ground systems. Includes mounting bracket and hardware. Size: $9 \times 81 / 8 \times 3^{\prime \prime}$. Imported.
17 P 59133W No Money Down*. Shpg wt., 9 lbs. Net 159.95 Deluxe Set of 2 Rear Deck Matched Speaker Systems 99 P 62986 Shpg, wt., 3 lbs.

# Solid-State Stereo Cassette Decks with heabedwies hestem 

## HITACHI TRQ-2000 Stereo Cassette Deck with Dolby Noise Reduction System



19955

- 2 VU Record Level Meters
- 3.Digit Tape Counter
- Walnut Wood Cabinet

Solid-state stereo cassette deck with built-in Dolby nolse reduction system that eliminates lape noise and hiss in stereo recording and playback. Tape selector switch for standard or low-noise, chromium dioxide tapes. Auto-stop feature stops tape and resets transport to neutral position when end of tape is reached in any operation mode. Pushbutton tape function controls. Slide-lever volume controls. Stereo headphone jack for private listening. 4 -pole hysteresis synchronous motor. Freq. response: $20-16.000 \mathrm{~Hz}$. Wow \& Flutter: Less than $0.12 \%$. S/N ratio: more than 50 db (with Dolby). Inputs: 2 Mike ( 10 k ohms), 2 Aux (100k ohms). Outputs: 2 ( 600 ohms), headphones ( 8 ohms). with connecting cables and walnut wood cabinet. Size: $171 / 4 \mathrm{~W} \times 37 / 4 \mathrm{H} \times 97 / \mathbf{B}^{\prime \prime D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpgwt., 12 lbs .
27'p 23161 W No Money Down*
Net 199.95

## SONY/SUPERSCOPE TC-134SD <br> Stereo Dolby Cassette Deck



Fine performing stereo cassette deck with Dolby noise reduction system for quiet cassette performance. Exclusive Ferrite and Ferrite Head for extra long life and exceptional fidelity. The Automatic Total-Mechanism Shut-Ohf turns the deck completely off at the end of tape- in any operation mode 3 -digit lape counter with reset button slide-lever record volume controls. Tape select switch for standard of chromium dioxide cassettes. Pushbutton tape function controls, including Pause with lock, for instant stop or cueing. Stereo headphone jack for private listening. Freq. resp.: $30-17 \mathrm{kHz}$. Wow \& Flutter: $0.2 \%$. $\$ / \mathrm{N}$ ralio: 59 db . Low impedance mike input. Aux input: 100 k . Output level: 0.775 V . Size: $161 / 2 \mathrm{~W} \times 43_{0} \mathrm{H} \times 8^{1} \mathrm{~h}_{4} " 0$. For 120 VAC .60 Hz . Imported. Shpg. wt.. 12 lbs .
27 P 60700w No Money Down*
Net 239.95

Professional TEAC 350 Stereo Dolby Cassette Tape Deck


## $29^{58}$

- Dolby Noise Reduction System
- 4 Linear Record Level/Output Controls
- Expanded Scale VU-Meters
- Peak Recording Level Indicator

The Teac 350 stereo cassette deck incorporates the Dolby system for both record and plavback functions. Developed specifically for home tape recording, it dramatically reduces inherent noise and hiss in the recording process without aitering the musical Integrity of the recorded signal. The 350 utilizes a MiC/Line selector switch. When recording from a tuner or aux source, the signal is fed directly to the Dolby circultry, bypassing the mike preamplifiers. Outstanding features: Unique peak recording level indicator, expanded scale VUmeters, automatic end sensor/automatic shut-off mechanism. 4 linear record level/output controls, hysteresis synchronous outer rotor motor, 4 -digit tape counter, and complete compatability for conventional, high density. high energy, or Crolyn taoes. SPECIFICA. TIONS: Wow and Flutter $0.13 \%$. Freq. response $30-13,000 \mathrm{~Hz} \pm 3 \mathrm{db}$ measured at -20 db . Sipnal-to-Noise Ratio $50 \mathrm{db}, 58 \mathrm{db}$ (with Dolby process). Inouts-mike: 600 ohms, line 0.1 V . Output 0.3 V . For 117 VAC. 60 Hz . Walnut wood base. Size; 4 怕 $\mathrm{H} \times 16 \mathrm{~K}, \mathrm{~W} \times 97 / \mathrm{a}^{N} \mathrm{D}$. Imported. Shpg. wt. 14 lbs.
27 P 15100 W No Money Down
Net 289.95

## NEW <br> Deluxe TANDBERG TCD-300 Stereo Dolby Cassette Tape Deck



- 3 Motors Provide Fast Forward/Rewind and Precise Record/Playback
- Hot-Pressed Ferrite Heads
- Microphŏne Preamplifiers

Tandberg's finest stereo record/playback cassette deck incorporates the Dolby noise reduction system that effectively reduces relative tape noise by about 10db. Hot-pressed ferrite heads resist wear and provide superb frequency response. Precision hysteresis synchronous drive motor for stable recording/playback, and two DC motors for extra-fast rewind/fast forward. Motors stop and pinch-rollers disengage cassette automatically at end of tape. 2 Illuminated peak-reading equalized VU/db record level meters. Tape selector switch adjusts equalization, bias, and erase current for using chromium dioxide tapes. Electronic controls with Pause and Eject buttons. 3 . digit tape counter with reset. Slide-lever input/output level controls. For horizontal or vertical use. Freq. resp.: $50-12 \mathrm{kHz}$. Tape speed tolerance: $\pm 1 \%$. Wow: $0.15 \%$. S/N ratio (Norma1)s Low-noise 50 db , $\mathrm{CrO}_{2} 54 \mathrm{db}(63 \mathrm{db}$ with Dolby). Inputs: 2-Mic ( 700 ohms ) $0.1 \mathrm{mv}, 2$ Line ( 100 k ) 40 mV . Output: 0.775 V . Size: $19 \mathrm{~W} \times 41 / 4 \mathrm{H} \times 91 / \mathrm{m}^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpg. wt., 16 lbs .
27 P 67127 W No Money Down*
Net 329.95

# Solid-State Portable Stereo Cassette Recorders 

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


# $109^{95}$ 

INCLUDING 1 Cyamic Paike with Remote Control Switch,

No Money Down* Demo Tape, AC Power Cord́.

- Operates on 6 " 0 " Batteries or 117 VAC House Current
- Detachable Swing Out Speakers
- Large Twin VU Record Level Meters
- Separate Slide Controls For Volume And Tone
- Instant-on Solid State Circuitry

Enjoy iconvenient stereo recording and playback anywhere--indoors or outdoors. Operates on 11760 Hz , AC. house current, or on standard "D" type batteries (not included). Two swing-out extension cabinets each contain a $5^{\prime \prime}$ speaker for excellent stereo sound reproduction and separation. Features "Levelmatic" (automafic record level control). Also has: speaker ON/OFF monitor switch; pushbutton cassette controls; two record level VU meters and remote control jack. Frequency Response: 100 to $10,000 \mathrm{~Hz}$. Size: $11 \times 61 / 4$ $\times 83 / 4^{\prime \prime}$. Imported. Shpg. wt., $141 / 2 \mathrm{Jbs}$.
27 P 23070 W
Net 109.95
99 P 62564 " $D$ " Batteries for above (6 req.) Wt. 5 oz. ea. ..................Net ea. . 19


NEW: Sharp RS-433V Portable AM/FM Stereo Cassette Recorder


- Includes 2 microphones with stands, cassette tape, batteries, and AC line cord

Swings open like a book to provide vibrant and clear separation. Operates on 8 " $D$ " batteries (included) or I17VAC 60 Hz . Pushbutton controls. Record VU level/battery indicator meter. Acoustically matched 5 " speakers. Sound monitoring facilities. Solidstate IC circuitry. Tuned RF amplifier for improved FM selectivity and sensitivity. Builtin AM and telescopic FM antennas. AFC for drift free FM. Size each section: $133 / 4 \mathrm{~W} \times$ $101 / 8 \mathrm{H} \times 31 / 2^{\prime \prime} \mathrm{O}$. Shpg. wt., 15 lbs . Imported. UL Listed
27 P 22023W
Net 149.95

## Solid-State Stereo Record/Playback Cassette Decks

## N LW:HITACHI TRQ-242 Stereo Cassette Tape Deck



- 2 Record VU Level Meters
- 3 Digit Tape Counter
- Contemporary Styled Walnut Cabinet

2 Microahones and Connecting Cable

All pushbutton operation with solid-state stereo preamplifiers. Plugs into your stereo amplifier or receiver. Front panel left and right channel microphone input jacks. 3-digit tape counter. Dual channel VU record level meter. Separate left and right channel volume controls. 6-pushbutton controls: Cassette eject, record. play, stop, rewind, F. forward. Frequency response $40-12,000 \mathrm{~Hz}$. Signal-to-Noise Ratio better than 45 db . Inputs: 2 mike limpedance: 2 K ohms, Dutputs: 2 line. Size: $73 / 6 \mathrm{~W} \times 3 \%_{0} \mathrm{H} \times 10^{1} \mathrm{~K}_{4}{ }^{\text {D }} \mathrm{D}$. For 117 VAC 60 Hz . Imported Shpg. wt., 8 lbs.
27P 23i's3W No Money Down*
Net 99.95

- 2 Record VU Level Meters
- 3 Digit Tape Counter
$149^{95}$
- Prause Control for Editing
- Lockable Fast Forward and Rewind Buttons

Record and playback stereo or mono cassette tapes through your home music system with this quality stereo tape deck. Features Sonymatic automatic gain control with a manual record defeat complete with limiter clicuit. Includes 7 pushbutton controls: eject. fast forward, stop, plày, rewind, record, and pause for editing. 2 VU record level meters, stereo headphone jack, variable line output. Specifications: Freq. Response: $30-12,000 \mathrm{~Hz}, \mathrm{~S} / \mathrm{N}$ Ratio: 49 dt . inputs: 2 mike, 2 Aux. Outputs 2 line, 1 headphone, mike input impedance 600 ohms. Size: $151 / 4 \times 37 / 8 \times 85 / 8^{\prime \prime}$. Less microphone. For 117 VAC 60 Hz . Imported. Shpg. wt., 12 Jbs. 27 P 60544W No Money Down*

## Deluxe Portable and Miniature Solid-State Cassette Recorders



Model TC-45. Features Built-in Condenser Microphone, Automatic Shut-Off, Dual Differential-Balanced Flywheels, three-digit Tape Counter, Servo-Control Motor, Record Level; Battery Strength indicator, and Sonymatic Recording Control. Optional Rechargeable Nickel-Cadmium Battery Pack/AC Power Supply is available. (See listing below.) Supplied with earphone, patch cord, batteries carrying case, and blank cassette. Size: $2 \mathrm{~W} \times 7 / 4 \mathrm{H} \times 43 /{ }^{\circ}{ }^{\prime \prime} \mathrm{D}$. Imported.
27 P 60676 L Shpg. wt., 3 lbs.
Net 119.95
Model TC-55. Sub-miniature recorder with alt features and same accessories of the TC-45, plus Sonymatic Recording Control with Speed;Music selector 5 witch and all-pushbutton operation. Size: $1 \frac{1}{2} \mathrm{~W} \times 57 / 6 \mathrm{H} \times 37 /{ }^{\prime \prime} \mathrm{D}$.
27 P 60684 L Shpg. wt., $21 / 2$ lbs.
Accessories for TC-45 and TC-55
AK-3 AC Power Supply,Rechargeable Nichel Cadmium Battery Pack. Imported. 27 P 60692 Shpg. wt., 1 lb.

Nel 29.95
99 P 62580 Extra "AA" Batteries- 4 req.
28 P 01223 Lafayette 60 min . Blank Cassette

## SHARP RD-428U Pocket Portable Cassette Tape Recorder

## $69^{95}$

4 "AA" Batteries, Nickel Cadmium Battery Pack, AC Adapler, Remote Control Cord Blank Cassette

- Built-in Condenser Mike
- Battery/Level Meter
- Automatic Level Control


Small enough to fot into your jacket pocket, this deluxe solld-state ecorder features advanced integrated circuitry. Built-in condense mike for quick, easy recording. Automatic Level Control for uniform隹 ecording at every sound level. "ne-taut pushbution controls Remote control cord for convenient start/stop operation. $21 / 4^{\prime \prime} d y$ namic speaker. Electronic governor controlled DC motor. Battery, level meter. Earphone jack. Speed: 1\% Includes nickel cadmium battery pach, 4 "AA" balteries, and AC adapter. Imported. Size: $61 / 4 \mathrm{X}$ $4^{14} \times 1 \times 158^{\prime \prime} \mathrm{D}$.
27 P 22015 L No Money Down* Shpg. wt., 2 th lbs. Net 69.95 99 P 62580 Extra " $A A^{\prime \prime}$ Batteries-4 req. Net ea. 10 28 P 01223 Lafayette 60 min . Blank Cassette

Remote Control Microphone. Carrying Case. Earphone, Patch Cord 4 "C" Bat. terles, 1 Blank Cassette


- Record Level/Battery Strength Indicator
- Built-in Condenser Microphone
- Digital Tape Counter

Improved version of Sony's best selling Model 110. Has a built-in condenser microphone. Also, is handy for dictation purposes, since it includes a remote start/stop microphone. A Back-Space Review Button and three-digit tape counter make it easy to transcribe cassettes. Features locking fast-forward and rewind buttons, Sonymatic Recording Level, separate tone and volume controls, extended range speaker, and built-in recharging circuit for optional BP-9 Nickel Cadmium Battery Pack. Tape Speed $17 / 2$ IPS. Size: $53 / 4 \times 21 / 2 \times 91 / 2^{\prime \prime} 0$. Imported.
27 P 60643 L Shpg. wt., 5 lbs. No Money Down* Net 129.95 BP-9 Nickel Cadmium Rechargeable Battery Pack. WL, 1 Ib. 27 P 60221

# Portable Solid-State Cassette Tape Recorders 

NEW! Hitachi TRQ-257 Portable
Battery/ Electric Cassette Recorder $-{ }^{-49^{\circ}}$ With Remote Control Microphone, Earphone, 30 Minute Blank Cassette, and Batteries

## - Auto Alarm Stop System

- Automatic Record Level Control

Auto stop system automatically stops motor at the end of the tape. Auto alarm automatically sounds a built-in buzzer when the tape end is reached. All pushbutton operation: Stop, Play, Record, Rewind, Fast Forward, Cassette eject. Operates on 4 " C '" batteries or 117 VAC, 60 Hz . Automatic Record level signal intensity equalizer. Slide out carrying handle. Size: $57.3 \mathrm{~W} \times 23 / 6 \mathrm{H} \times 97 / 0^{\prime \prime} \mathrm{D}$. Shpg. wt., 5 lbs . Imported.
27 P 23112 L
Net 49.95
99 P 62572 Extra "C' batteries - 4 req. .............Net ea. . 17 28 P 01223 Lafayette 60 Minute Tape Cassette ........Net . 99
NEW! SANYO M-4210 Battery/AC Stereocast Portable Cassette Recorder

## $59^{95}$

No Money Down:


- Features Stereo Playback Head,

Stereo Preamps with Volume Controls for Each Channel, and a Stereo Output Jack

Any pair of standard stereo headphones with 8 -ohm impedance can be plugged into the M4210 and you can listen to precorded stereo cassette tapes. Also features built-in condenser mircrophone with pause control, pushbutton operation, automatic recording control, record indicator light, battery condition meter, 4 inch speaker, and cassette ejection system. Operates on $4^{\text {" }} \mathrm{C}^{\prime \prime}$ batteries (not included) or 117 VAC 60 Hz . Includes blank cassette tape and AC line cord. Size: $101 / 4 \mathrm{~W} \times 21 / 2 \mathrm{H} \times 6^{\prime \prime} \mathrm{D}$. Imported. Shpg. $w t ., 5 \mathrm{lbs}$.

Net 59.95
99 P 62572 "C" batteries for M4210-4 req. .Net ea. 17 LAFAYETTE SP22 STEREO HEADPHONES. Shpg. wt., 1 lb. 99 P 02123

Net ea 6.30

# Solid-State AM/FM Radio Cassette Recorders NEW: SANYO Stereocast Portable Cassette Recorders With Built-In AM/FM High Fidelity Radio 



SANYO Stereocast Cassette Recorders have Stereo Playback Heads, Stereo Preamps with Volume Controls for each channel and a Stereo Headphone output jack. Just plug in a standard stereo headphone with 8 -ohm impedance and listen to magnificent pre-recorded cassette stereo tapes.

Model M4410-High fidelity recording while listening to the bult-in AM/FM radio. Pushbutton operation. Operates on 4 " $C^{\prime \prime}$ batteries (not included) or 117 VAC, 60 Hz . Automatic Record Level control. Stereocast feature. 3-posltion monitor switch. High-Low tone control. AM ferrite and FM telescopic antennas. Includes remote Start-Stop bar microphone, blank cassette recording tape, and AC line cord, size: $11 \mathrm{H} / \mathrm{W} \times 3 \mathrm{D} \times 8^{\prime \prime \mathrm{H}}$. Imported.
27 P 76029 L Shpg. wt., $61 / 2 \mathrm{lbs}$.
Net 69.95
99 P 62572 " ${ }^{\prime \prime \prime}$ "Batteries (4 required) ...................Net ea. . 17 Lafayette Sp22 Stereo Meadphones. Shpg. wi., 1 lb. 99 P 02123
NEW: HITACHI TRK-1260 Battery/AC
AM/FM Cassette Recorder with Auto-Alarm Stop
Automatic stop at end of tape with On/Off alarm switch. Built-in condenser microphone. Automatic Radio/Tape Recorder start or automatic radio shutoff at a preset time with optlonal ET-10 $\mathbf{1 2}$-Hour Timer (see listing below). Direct recording from AM or FM radio. Automatic Levelmatic recording system. Camera-type film tuning system. 3-digit tape counter, Large-scale vu record level/battery indicator meler. Pushbutton controls with locking fast forward and rewind buttons. Sound mixing. Monitor switch. Operates on 4 "D" batteries or 117 VAC, 60 Hz . Includes batteries, earphone, and blank cassette recording tape. Size: $113 / 4 \mathrm{~W} x$ 81/4H x $31 /{ }^{\prime \prime \prime} \mathrm{D}$. Imported.
27 P 23138 L Shpg. wt. 9 lbs. .....................Net 89.95 ET-10 12. Hour Automatic Timer. Shpg. wt., 1 lb. 27 P 23146

Net 12.95 99 P 62564 Extra "D" Batteries (4 req.) Net ea. 19

## NEW: JVC 9245 Battery/AC AM/FM Radio Cassette Recorder with 2 Speaker System

[^19]Model M4420-Built-in condenser microphone. Direct recording from AM/FM radio. Continuous monitor for listening at any level while recording. Pause control. Cassette eject system. Battery condition meter. Automatic shut-off. Automalic Record Level controt, Stereocast feature. Tone control, With blank cassette recording tape, AC line cord. Operates on 4 " C " batteries (not included) or $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: $111 / 2 \mathrm{~W} \times 31 / 20 \times 71 / 2^{\prime 2} \mathrm{H}$. Imported.
27 P 760111 Shpg. wt., $71 / 2$ lbs.
Net 79.95
99 P 52572 "C"Batteries (4 required) ........................... ea. Lafayette \$p22 Stereo Headphones, Shpg. wt., 1 lb. 99 P 02123

Net 6.30

with 4 "C" batteries, AC line cord, earphone, remote control mike with stand, 60 -minute blank cassette, accessory pouch.

- Direct Recording From AM or FM Radio
- Pop-up Cassette Ejector Button
- Automatic Level Control - Built-in AFC
- Recording Level/Battery Meter
- Slide Control for Adjusting Volume

Handsome full-feature AM/FM Radio Cassette Recorder. Operates on 4 "C" batteries or 117 V AC. Simple to use - no tape threading. Precision slide rule tuning on the AM/FM radio. 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: $113 / 4 \times 7 y^{\prime \prime} \times 3^{\prime \prime}$. Imported Shpg. wt., 7 lbs.
27 P 01159 L No Money Down* ….......................................... 62.95
28 P 01223 Lafayette 60 Minute Tape Cassette, 4 oz. .99 99 P 62572 Extra "C" batteries (4 required) ...........ea. . 17

## LAFAYETTE RK-225 Battery/AC AM/FM Radio Cassette Recorder

- 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

Make your own cassettes directly "off the air" anytime, anyplace or, record live with the remote control dynamic mike. This fine performing Radio/Recorder operates as a portable on 4 " C " bat teries (included), or in the home on 117 VAC. Record indicator light permits you to adjust the volume for proper recording level. $3^{\prime \prime}$ dynamic speaker provides fine tone. Single function knob for rewind, stop, play. Unique levers for fast forward and record safety interlock, Built-in AM antenna, telescoping FM antenna, Aux, and External Speaker/Earphone jacks. Attractive black cabinet with chrome and ivory trim. Integrated carrying handle. Size: $111 / 2 \mathrm{~W} \times 60 \times 3^{\prime \prime} \mathrm{H}$. Imported. Shpg. wt., 6 lbs.
99 P 16016 L No Money Down*
ACCESSORIES FOR RK-225
28 P 01223 Lafayette 60 Min . Tape Cassette Net ea. . 99 99 P 62572 Extra 'C' batteries, 4 req. ............Net ea.
..Net 44.95 .17
 d

${ }^{\text {}}$ See Page 23 for Full Details on Easy Pay Plan

## Popular Price LAFAYETTE Cassette Recorders

# LAFAYETTE RK-68 Battery/AC Solid-State Cassette Recorder 



- Record Safety Interlock Button

With Remofe Control Mike

- Single Tape-Function Control for: Record, Stod, Play, Fast Forward, Rewind

Handsome beige and brown compact cassette recorder. Operates on 4 "C" batteries or 117 VAC with AC line cord (included). Plays and records up to 2 hours using a standard 120 -minute cassette. Start/ Stop switch on microphone allows for remote control operation of the recorder. Dynamic speaker provides fine voice and music reproduction. Record Safety Interlock button prevents accidental erasures.

Single Tape-Function control. Molded carrying handie. Input Jack for
 Shpg. wt., $41 / 2 \mathrm{lbs}$.

## 99 P 16024 L

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

So easy to use! Just snap in a cassette and you are ready to record or play. No tape to thread. Operates on $4^{\circ}$ " C " batteries (not included) or 117 VAC house current with optional AC adapter. Instant-on solid state circuitry. Includes dynamic start-stop micrephone for remote control operation. sig $234^{\prime \prime}$ speaker for excellent sound reproduction. phone for remote conirol operatenion for earphone or extensioner. Bullt-in integrated carrying handle. Size: $9 \mathrm{~L} \times 53 / \mathrm{WW}^{2} \times 21 / 2^{\prime \prime} \mathrm{H}$. Imported. Shpe. Wt., $31 / 2 \mathrm{lbs}$.
99 P15828L.
Accessories for RK-85
Net 18.95

99 P 35115 AC Adapter for RK-65, Shpg. wt. 6 oz
Net 3.95
28 P 01223 Lafayette 60 minute Tape Cassefte
99 P 62572 " C " Batteries, 4 Required

# Deluxe LAFAYETTE RK86A Battery/AC Portable Cassette Tape Recorder 



Beautifully designed portable cassette recorder of exceptional quality. One of the easiest recorders to operate. Features semi-slot tape loading and pushbutton controls. No reels to thread. Operates on $4^{\text {s"C" }}$ " batteries for portable use, or on 117 VAC 60 Hz in the home or office. Utilizes professional AC bias and erase recording system for accurate and precise record and playback performance. Separate pushbuttons for record, play, rewind, fast forward, and stop/ Cassette-up. Safety interlock on record button prevents accidental

60 MINUTE LAFAYETTE CASSETTE TAPE
28 P 01223 Shpg. wi. 4 oz. Net .99
NEW!

## LAFAYETTE RK-79 Battery/AC Portable Cassette Tape Recorder

- Instant-On Solid State Circuitry
- Automatic Level Control
- Separate Tone and Volume Controls - Pushbutton Controls


## $32^{95}$

> Includes Dynamic Microphone with remote control switch, 30 -minute cassette tape, AC line cord, 4 " $C$ " batteries, and earphone.

Quality portable recorder for complete cassette enjoyment. Operates on 4 "C" batteries for portable use, or on 11 P VAC 60 Hz . in the home or office. Pushbutton controls for: Record, Play, Fast Forward, Rewind, Stop/Eject. Record Safety-lock button, Earphone monitor, Recordings can be made live with a mike (incladed) or thru AUX. input from radio, TV, phonograph, or teiephone using a patch cord or telephone pick-up coil (not supplied). Automatic Record level (ALC) eliminates need to adjust volume during recordings-automatically ad-
justs to the proper record level from a soft whisper to a loud shout. Dynamic speaker for fine tone. Size: $103 / 4 \mathrm{~L} \times 53 / \mathrm{WW} \times 23 / 4^{\prime \prime} \mathrm{H}$. Imported. Shpg. wt., 5 lbs.
99 P16123L
Net 32.95
Recorder Patch Cord-imported. Shpg. wt., 5 oz.
99 P 15174
Extra "C" bat
99 P 62572


Professional stereo cassette tape recorder with built-in solid-state stereo amplifier. Just add 2 speakers, and you will have a complete cassette recording and playback system. Features a STD/CrO2 bias equalizer switch for choice of recording with elther a standard cassette tape or the improved chromium-dioxide tapes ( $\mathrm{CrO}_{7}$ ). Dual concentric left and right channel microphone and input source record level controls permit sound-with-sound mixing. Iluminated vu meters, front panel stereo headphone jack, push-button tape controls, pause button for cueing and editing, front panel left and right chan. nel mike inputs, tape recorder output jacks, 3-digit tape counter with seset button. Records and plays back 4-track stereo and 2-track

includes
2 Dynamic Mikes
monaural. AC convenience outlet on rear panel. SPECIFICATIONS: Power Output $\pm 1 \mathrm{db}, 20$ watts IHF. Frea. response: $50 \cdot 11,000 \mathrm{~Hz}$. AC Bias, Erase frequency, 98 kHz . $S / \mathrm{NN}$ Ratio, Better than 48 db . Overall distortion. less than $2.5 \%$ at 0 -VU. Channel separation, 35 do at 0 VU. Amplifier input sensitivity, 250 mv (Aux, Phono, Tuner). Mike input sensitivity, 1.25 mv for 0 -VU. Wow \& Flutter. less than $.25 \%$. Size: $43 / \mathrm{H} \times 110 \times 151 / 2^{\prime \prime} \mathrm{W}$. Imported. For $117 \mathrm{VAC} / 60 \mathrm{~Hz}$. Beautiful walnut grained case. Shpg. wt., $371 / 2$ lbs.
99 P 15943 WX Model RK-520 No Money Down*....Net 159.95
28 P 01223 Standard 60 min. Cassette Tape .........Net .99

## CONCORD and TEAC Dolby Noise Reduction Units

## CONCORD DBA-10 Dolby Tape Adapter



## . $119^{6}$

- Lowers Noise-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 8-track recording at low speeds by $90 \%$. Can be added to any tape deck or any seff-contained recorder with audio inputs and outputs, Includes line inputs, calibration meter, and afl controls necessary to Dolbyize tapes. Specs: Input Impedance: 47 k ohms, Input Sensitivity: 30 mV , Output Voltage: 0.58 V (adjustable), Output impedance: 5,000 ohms, Frequency Response: 20-20,000 Mz $+0.5 d b$, Marmonic Distortlon: Less than $0.4 \%$, Noise Reduction: 8 db ais $5,000 \mathrm{~Hz}$, Sizes; $131 / 2 \times 31 / 2 \times 71 / 4{ }^{\mu} \mathrm{H} .117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Includes 4 patchcords. Imported.
27 P 35264W No Money Down* Wt., $53 / 4$ Ibs. .......... Net 119.85

- See Page 23 for Full Details on Easy Pay Plan

TEAC AN-60 Universal Dolby Noise Reduction Unit


Only
0095

- Increased S/N Ratio- 10 db at $10,000 \mathrm{~Hz}$ - Dolby Reference Meter
- Calibration Tapes Supplied for Both Cassette and Open Reel Recorders
Easy-to-calibrate with built-in Dolby reference meter and tone oschlator No addlional equipment required. Dolby reference meter also provides a visual reference when used with tape decks not having VU meters. The Dolby System provides a S/N increase of 3db at 600 Hz , rising to 5 db at 1 KHz and 10 db at 4 KHz and above, Specificztions: Freq. Response: $20.15 \mathrm{KHz} \pm 2 \mathrm{db}$. Increased $\mathrm{S} / \mathrm{N}$ Ratio: 10 db at $10 \mathrm{KHz}, 5 \mathrm{db}$ at 1 KHz . Input Sensitivity: $0.1 \mathrm{~V}_{\text {; }}$ Input Impedance: 35 h ohms; Tape Out: 0.3 V ; Line Out: 0.58 V ; less than $0.5 \% \mathrm{HD}$; Channel Separatlon: $>50 \mathrm{db}$; Tone Osciltator: 400 Hz . For $117 \mathrm{AC}, 60$ Hz . Size: $33 / 4 \mathrm{H} \times 6 \%$. $\mathrm{W} \times 10 \%_{0}{ }^{\prime \prime} \mathrm{D}$, Imported.
27 p 15134 W No Money Down* Shpg. wt., 434 Ibs. Net 89.95

- See Page 23 for Full Details on Easy Pay Plan

Record Cassette Tapes direct from the AM/FM Stereo Receiver, live
through Microphones,
or connect a
turntable and
record Your favorite

| Deluxe AM/FM Stereo Cassette System featuring the LAFAYETTE LRK-900 |  |
| :---: | :---: |
| SAVE Model LRK-900 |  |
|  |  |
|  |  |
|  |  |
| $\underset{\substack{\text { Complete } \\ \text { System }}}{\text { cos }}$ |  |
| $210^{95} \underset{\substack{\text { assette Tapes }}}{\text { canté }}$ |  |
| No Money Down" <br> Speaker Systems <br> Save 24.97 on this fine performing 2 -channel stereo system fea turing the LRK-900, 2 Criterion 25A Speaker Systems, 3 60-Min. Cassette Recording Tapes, and speaker hook-up cable. Wt., 51 Ibs. Net 219.95 99 P $92264 W X M$ |  |
|  |  |
| Same deluxe system as above but with 4 Criterion 254 Speaker Systems for derived 4 -dimensional sound. Shpg. wt., 76 lbs 99 P92272WXM <br> Net 258.95 |  |



LAFAYETTE LRK-900 Stereo Cassette Tape Recorder With Built-in AM/FM Stereo Receiver


$\begin{array}{ll}\text { - Large Illuminated Dual Record Level Meters } & \text { - Main, Remote, or Main and Remote } \\ \text { - STD/CrO2 Bias Equalizer Switch } & \text { Speaker Selection } \\ \text { - Sound with Sound Mixing } & \text { - SM Stere Indicator Light with Acritune } \\ \text { - Front Panel Mike Input Jacks } & \text { Magnetic and Ceramic Phono Inputs }\end{array}$




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 racy. The $\mathrm{STD} / \mathrm{CrO}_{\mathrm{O}}$, bias equalizet switch permits choice of re, Ratio better than 48 db, Mike input sens kHz . Walnut wrap-around cording with ethers (Cro), The recorder turns off both electrically metal case with Brushed Gold Aluminum trim. For 117 VAC, 60 Hz .


 fast forward mode. Also includes 3-digit tape counter with reset
button: separate bass and treble controls: front panel stereo headphone jack. Input jacks are provided for Aux... Cer.. or Mag. Phono. Rear panel also includes Tape Recorder Output jacks and an AC
Convenience Ouflet. Output transistors are fused for overload pro-


[^0]:    System Response: $30-20,000 \mathrm{~Hz}_{2}$, Woofer: $10^{\text {" }}$ acoustic suspension high compliance with long excursion cone and a 2 ib .6 oz . magnet structure and a $11 / 4^{"}$ copper edge wound voice coil $\mathrm{l}_{;}$Mld-Range/ Tweeter: Cone Type $3^{\prime \prime}-1 / 2^{\prime \prime}$ voice coll, 4 oz, magnet; Super Tweeter: Direct Radiator type: 1/2"; Crossover Network: Electrical (L-C) energy transfer circuit; Crossover Frequencles: 1600 at $10,000 \mathrm{~Hz}_{\text {; }}$ Power Capacity: 40 Watts; Impedance: 8 ohms.

[^1]:    SPECIFICATHONS

    ## Overall Response: 25 to $20,000 \mathrm{~Hz}$. Speaker Units: $12^{\circ}$ woofer, $5^{\circ}$

    mid-range, $3^{\prime \prime}$ tweeter, $11 / 2^{\prime \prime}$ super-tweeter. Crossover Network: 4 way LC (coll-capacitor) at $800,5,000$ and $10,000 \mathrm{~Hz}$. Enclosure Oesign: Tube-type ducted port enclosure, fiberglass-filled. Acoustic Controls: Continuously variable high frequency and mid-range level controls (off to maximum). Nominal Impedance: 8 ohms. Power Handling Capacity: 50 watts.[^2]:    New addition to Lafayette's series of poly. styrene acoustic panel type speaker systems. Only $1^{\prime \prime}$ deep. Its unique construction makes it impervlous to extremes of temperature. humidity, shock and vibration. Shallow depth permits mounting on doors, walls, ceilings or ordinary speaker enclosure. Specifications: Power Cap.: 10W; Freq. Range; $40 \cdot 20,000 \mathrm{~Hz}$; Vower Cap:: 10 W ; Freq. Range: $40.20,000 \mathrm{~Hz}$; $8^{\prime \prime}$ dia.. $1.05^{\prime \prime} \mathrm{D}$. Shpg. wt., 1 lb . $8^{\prime \prime}$ dia.. 1.05
    21 P 56065
    ..Net 8.95

[^3]:    Low in price, high in quality provides excellent reproduction of the entire audio range, $32-19,000 \mathrm{~Hz}$. Uses the dual cone design-high compllant woofer and efficient tweeter cone. Solid die-cast metal frame keeps the 1 -inch voice coll and other moving parts in precision alignment with the 12 oz . magnet, thus preventing distortion. Spring loaded, finger tip terminals are color coded for easy phasing in stereo systems. Resonant frequency 55 Hz , Impedance 8 ohms. Out. side diameter $81 / 4^{\prime \prime}$, Depth $33 / \mathrm{a}^{\prime \prime \prime}$. Shpg. wt., 5 lbs .
    21 P01780W
    Net 10.95

[^4]:    Precision-made full range single driver in each earplece delivers distortion-free sound across the audio spectrum from 22 to 20,000 Hz . Distortion: Less than $1 \%$ at 115 db SPL. (Sound Pressure Level). Adjustable foamfilled headband and ear cushions for comfilled headband and ear cushions for com-
    fort. Charcoal black ear cups with green headband and ear cushions. Impedance: 8 ohms. 10 ft . cord with heavy-duty plug. Shpg. wt., 2 tbs.
    21 P 55281 No Money Down* Net 39.95

[^5]:    38 P 26450 Model PSO-K Demodulator Probe Kit. Wr., $1 / 2 \mathrm{fb}$.
    Net 4.95
    38 P 26468 Model PSD as above but factory wired. Wi., $1 / 2 \mathrm{it}$.
    38 P 26476 Model PD.K Dlrect Probe Kit. Shpg. wt, $1 / 2 \mathrm{lb}$.
    Net 6.95
    38 P 26484 Model PD as above, but factory wired. Wi., $1 / 2 \mathrm{lb}$
    Net 3.95
    38 P 26492 Model PLC.K Low Capaclty Probe Kit. Wi., 1/2 Ib.
    Net 4.95
    ,.... Net 4.95
    Net 6.95

[^6]:    - MULTI.PAK-ASSORTMENT OF 5000 -$2000-1 / 4^{\prime \prime}, 1000$ ea. OF $3 / \mathbf{s c}^{\prime \prime}, 1 / 2^{\prime \prime} \&$ CEIL TILE
    13 P 57557
    Net 2.75

[^7]:    Ultrasonic Cleaning Chemicals. Shpg. wt., $101 / 2 \mathrm{lbs}$. per gal. 5 P 85041 Ammoniated Detergent, 1 gal. ............. Net 6.35 15 P 85058 Detergent Concentrate, 1 gal.

    Net 6.50 15 P 85066 Zero Residue Fast Dry Solvent, 1 gal. .. Net 5,70

[^8]:    "XCBy
    TOWERS

[^9]:    4 Conductor flat cable. Shpg. wt., $21 / 2 \mathrm{lbs}$. per 100 ft .

[^10]:    Model AC-8238 Adds greater range to your Super.Colortion antenna with this solid state cartridge ampllfier. Printed circult design with long-Ilfe overlay silicon transistors, provides 15 db gain VHF and 14 ob gain UHF for blg signal boost. Melps pull in weak distant channels and delivers strong clean signals to TV set for crisp, clear, snow-free color and black and white. Slides perfectiy into Super-Colortron cartridge housing on antenna. Includes power supply that mounts on back of TV set. For 300 ohm lines. For 117 VAC, 60 Hz . Shpg. wt., 1 lb . 18 P 60659 No Money Down*

[^11]:    The ideal antenna for traveling, pulls in sharp, clear pictures from all directhons on VHF, and true fidelity FM, whether in motion or standing still. Tripie chrome plated construction. Special 6 -position clarifier to select maximum signal gain for best picture. Auto antenna fits above window to any make of car, while Marine antenna can be vertically or horizontally mounted. Features shielded coax, to suppress ignition nolse. For any 300 -ohm portable TV set Model MTV222 (MARINE) with 30 ft. coaxial cable. Shpg. wt., 4 lbs.
    18 P 39323

[^12]:    Columbia
    House Hinnen

[^13]:    Net 8.95

    ## 

[^14]:    Here is an authentic, educational and yet entirely safe rocket kit for modelers and hobbyists which demonstrates the principles of rocket propulsion. The propellant releases no heat, is non-flammable, nontoxic and non-explosive. The $181 / 2$ inch long Valkyrie- 2 which blasts off to 1000 feet, can be safely held in hand. Uses durable polished aluminum rocket, engine and parts, with real working valves, separator and parachute, At liftoff, the rocket starts stowly at 4 " " $G$ ' $s$ " with acceleration at burnout about 10 "G's." A timer assures deployment of the parachute which returns the rocket for another launch. May be either mechanically or electrically launched with a battery (not supplied). Complete hit includes rocket, engine, timer, separator, parachute, balsa nose cone, fins, loading valve and hose, electric firing assembly, launch stand, one can of propeliant, accessories and instructions. Size: $181 / 2^{\prime \prime}$ long $\times 1^{\prime \prime}$ dia. Shpg. wt., $23 / 2 \mathrm{Jbs}$.
    19 P 75010 Complete rocket kit
    15 oz. can of propellant sufficient for 3 launchings.
    19 P 75028 Shpg, wt., $11 / 2$ lbs.
    Net 12.95
    6 -Volt battery for electrical launching.
    Net 1.95
    32 P 48184 Shpg. wt. $1^{3 / 4}$ lbs.
    Net 1.13
    Replacement ignitor wire for electrical launching.
    19 P 75036 Shpg, wt. 3 oz.
    19 P 75036 Shpg, wt., 3 oz. Net

[^15]:    Power Output: 25 Watts (RMS) at less than $5 \%$ distortion (50 Watts Peak). Frequency Response: 100 to $10,000 \mathrm{~Hz} \pm 2 \mathrm{db}$. 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 L.ow $=200$ ohms: Aux- $1=400 \mathrm{~K}$ ohms, $A u x-2=100 \mathrm{~K}$ ohms. Hum and Noise: Mike Input $=45 \mathrm{db}$; Aux Input $=60 \mathrm{db}$. Outputs: $4,8,16$ ohm speaker; $25 \mathrm{~V}, 70 \mathrm{~V}$, Jape / Booster $=5 \mathrm{~V}$ at rated output; Tape Recorder $=0.5 \mathrm{~V}$ at rated output. Semi-conductors: 9 Silicon Transistors, 2 Silicon Dlodes, 1 Zener Diode, 1 Thermlstor.

[^16]:    Beautifully sculptured black and white digital clock radio with 24. hour timer. Once-only awake set. Music or buzzer alarm wake up. Pushbutton operation and lighted digital timer. Uniquely arched sliderule tuning dial. Sensitive AM reception with built-in ferrite core antenna. $21 / 2^{\prime \prime}$ dynamic speaker, All solid-state circuitry. Size: $3 \% \mathrm{Hx}$ $91 / 2 \mathrm{~W} \times 53 / \mathrm{g}^{\prime 2} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpg. wt., 3 lbs.
    17 P 31256 .......................................................................... 29.88

[^17]:    individual channel indicator lights. Highly attractive units fold together and latch securely for the ultimate in portability and handling. High impact pastic case has modern grip-type carrying handle. Size: 11 Wx $9 H \times 61 / 4^{*}$ D. Imported, Shpg. Wt., $11 \% / 4$ los.
    17 P 69488w No Money Down*
    Net 62.10
    99 P 62564 " $D^{\prime}$ " Batteries for above, 8 req. ..... Net ea. 19

[^18]:    116

[^19]:    Magnificent performance from a 2 -speaker system featur. ing a large $5^{\circ}$ woofer and a rich-sounding collular hern twe ter. Besides highly sensitlve FM and AM radio recep. tion, the 9245 features input mixing facilities in its cas. sette recorder for simultanequs recording of 2 separate sound sources. Other deluxe features include built-in condenser mike, 3 digit tape counter with reset button, battery/record level meter, built-in FM and AM antennas, automatic tape head cleaner, variable sound monitor tone control and automatic shut-0.7 system. Operates on 4 selfcontained "D" batteries (included) or 117 VAC .60 Mz . Includes batteries, earphone, and demo tape: Size: $81 / 2 \mathrm{H}$. $12^{53} / 2 \mathrm{~W} \times 37 / \mathrm{s}^{\circ} \mathrm{D}$. Imported. Shpg, wt., 10 Jbs.
    27 P 78009L. .............................................................. 99.95
    99 P 62564 Extra "D" Batteries (4 req.) Net ea. 19

