






- Fused Output Transistors
- Front and Rear Panel Tape Output Jacks
- Latayette's finest with its distinc. antenna for optimum sensitivity. A meticulously designed



 apualuanuos jY paujumsun auo snid paujums auo pue :xRId adel pue 'opopar

 wt., 8 lbs.
 specificationis



This 100 -watt stereo receiver is one of
tive styllng and advanced solid state clicu 늘 - 4-Gang FM Tuning Condenser
is off, thus blending harmoniously even with the most luxurious decors
the power is turned on, the funing meter, FM Stereo indicator and AM
dials light up and are revealed with the utmost clarity, thus enhanc
attractive appearance of the LR.775 and that of the room in which it pe

 Specification

[^0]
Introducing a Hi-Fidelity Receiver with a Built-In 8-Track Stereo Tape Player



## ITS

## A Deluxe Lafayette 100 Waft

 AM/FM Stereo Receiver RECEIVER SECTION- 100 Watts $\pm 1 \mathrm{db}$ of Exemplary Stereo Power
- 4 Gang FM Tuning Condenser
- Automatic FM Stereo Switching and Stereo indicator Light
- Special Fused Circuitry Protects Output Transistors
- Front Panel Stereo Headphone Jack
- Push-button Switches for Loudness, Stereo-Mono. Tape Monitor, High Filters
- Illuminated AM and FM Tuning Meter
- Speaker Mode Switch: Main, Remote, Main and Remote
- Complete Tuning panel is lluminated when Power is turned on

The LRK-1600 adds the complete recording and playback facilities of a professional stereo cassette recorder with a superb 100 watt AM/FM stereo receiver. Add a pair of speakers and you have a complate, versatile, ready-to-play home music system. Build a great stereo cassette library: just connect a turntable and put your favorite records on tape; record AM, FM or FM stereo directly from the tuner section; connect a reel-to-reel tape recorder and convert ordinary tapes into compact cassettes; connect a pair of stereo microphones ( 2 mike input jacks are located on the front panel) and record your own music live, or most important-make sound. with-sound recordings (record live with a mike simultaneously while recording an external source such as broadcast records, tape). Exceptional quality and performance are assured by the use of 4Integrated Circuits (IC's), 4-Field-Effect-Transistors (FET's), 24 transistors, and 25 -diodes. You'll hear more stations, as well as brilliant FM stereo reception with amazing nolse-free clarity. Outstanding features and specifications: Receiver section-Power Out-

## ITS

## A Deluxe Performing Lafayette Stereo Cassette Recorder

 CASSETTE SECTION- 7 Pushbutton Tape Functions Including Pause for Instant Editing and Cuing
- 4 Pole Hysteresis Syncronous AC Motor
- Large Dual Channel VU Level Recording Meter
- Semi-Slot Tape Loading for Complete Ease of Operation
- Cassette Ejector Button - Visual Record Indicator Light
- 2 Mike Inputs for Left and Right Channel on Front Panel
- 3 Digit-Tape Counter with Reset Button
- Records 4 Track Stereo and 2 Track Monaural Playsback 4 and 2 Track Stereo or Monaural
put 100 watts $\pm \mathbf{r d b}$; FM Tuner: 4 gang condenser, I HF Sensitivity $1.7 \mu \mathrm{v}$; Stereo multiplex separation: $40 \mathrm{db}(400 \mathrm{~Hz})$; front panel stereo headphone jack; Illuminated AM and FM tuning meter. Pushbutton switches for Loudness, Stereo-Mono, Tape Monitor, High Filters, Black-face tuning dial. Cassette Section: 4-pole Hysteresis Synchromous AC motor; dual channel VU recording meter; record indcater light; Cassette Ejector Button; 3-0lgit Counter with Reset Button. Records 4 -track stereo and 2.track mono, playback 4 and 2 . track stereo and mono. Wow-Flutter, Less than. $3 \%$ RMS; Mic. Input Sens., 1 mV for 0 vJ @ 10 K ohms; High Level Input, 80 mV for 0 VJ @ 100 K ohms; Frequency Response, 45 to $10,000 \mathrm{~Hz}$; $\mathrm{S} / \mathrm{N}$ Ratio, Better than 35db; Overall Distortion, Less than $3 \%$ @ 0 VJ recording; Channel Separation, $30 \mathrm{db;}$ Bias \& Erase Frequency, 95 $\mathbf{k H z}$. Low profile enclosure with walnut side panels. Size: 211/2L $x$ $53 / 4 \mathrm{H} \times 14^{\prime \prime} \mathrm{D}$. For 105-120VAC, 60 Hz . Imported.
99 F 02172 WX Shag. wt., 40 lbs.
Net 279.95
99 F 46161 Dynamic Mike. Imported. Wt., 1 lb:
Net ea. 5.95


## Deluxe 100-Watt AM/FM Stereo Cassette/Phono Hi-Fi System Featuring LRK-1600




## $\underset{\substack{\text { Complete } \\ \text { System }} 356^{95}}{ }$



Magnificent 100 -watt component $\mathrm{Hi}-\mathrm{Fi}$ system featuring the LRK. 1600 Cassette/Receiver, Gerard 408 4-speed automatic record changer with base, Pickering P/ATE-1 elliptical stereo cartridge, Lafayette SP55 Stereo Headphone for private listening, and 2 Lafayette Criterion 50A's 2-way bookshelf Speaker Systems with beautiful oiled walnut wood cabinets. Includes all connecting cables. (See Pg, 43 for description of the Crit. 50A's). Shag: wt., 90 lbs.
99 F 99731 wM LRK-1600 System with Headphone
Net 356.95

# OPEN AN EASY-PAY CREDIT ACCOUNT TODAY 

## EXTENDED PLAN

TAKE UP TO 2 Years To Pay

Pay balance in 30 days and save the entire FINANCE CHARGE.

- It's easy 10 apen a credit account. Simgly fill in application on back of order blank when you send your order.

EASY PAY PAYMENT SCHEDULE

| \$250.01 10 \$300.00 |  | Stamoa | PLAM | EXTEMO | Plan |
| :---: | :---: | :---: | :---: | :---: | :---: |
| If Unpaid Balance(Amount Financed) IsFrom |  | Tdod for FIMANCE CHARCE CHARGE | Monthly Payment Is | Adod for FIMANCE CHAREE | $\begin{aligned} & \text { Monthey } \\ & \text { Payyment } \end{aligned}$ |
| \$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 |


| \$100.e1 ta \$250.00 |  | Standa | PIAM | EXTEND | PLAM |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Il Ungaid Balance (Amount Finanted) is From 10 |  | hod for FINAMCE CHARGE | Monthly Payment Is | Add for FIMANCE CHARGE | Monthly Payment Is |
| \$240.01 | \$250.00 | \$32.00 | \$17.50 | \$48.00 | \$12.00 |
| 230.01 | 240.00 | 30.50 | 17.00 | 46.00 | 11.50 |
| 220.01 | 230.00 | 29.25 | 16.00 | 44.00 | 11.00 |
| 210.01 | 220.00 | 28.00 | 15.50 | 42.00 | 10.50 |
| 200.01 | 210.00 | 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 |
| 150.01 | 165.00 | 21.25 | 11.50 | 32.00 | 8.00 |
| 155.01 | 160.00 | 20.50 | 11.00 | 31.00 | 7.75 |
| 150.01 | 155.00 | 20.00 | 10.75 | 30.00 | 7.50 |
| 145.01 | 150.00 | 19.25 | 10.50 | 29.00 | 7.25 |
| 140.01 | 145.00 | 18.50 | 10.50 | 28.00 | 7.00 |
| 135.01 | 140.00 | 16.75 | 10.50 | 27.00 | 6.75 |
| 130.01 | 135.00 | 16.25 | 10.25 | 26.00 | 6.50 |
| 125.01 | 130.00 | 14.50 | 10.25 | 24.00 | 6.50 |
| 120.01 | 125.00 | 14.00 | 10.00 | 23.00 | 6.25 |
| 115.01 | 120.00 | 12.50 | 10.00 | 21.00 | 6.25 |
| 110.01 | 115.00 | 12.00 | 10.00 | 20.00 | 6.00 |
| 105.01 | 110.00 | 10.50 | 10.00 | 18.35 | 6.00 |
| 100.01 | 105.00 | 9.25 | 10.00 | 17.50 | 5.75 |

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

| \$50.01 to \$100.00 | STAMOAED PLAN |  |  | EXTENDED PLAN |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| If Unpald Balance (Amount Financed) Is From To | Add for FINANCE CHARGE | Monthly Payment Is |  | Add for FINANCE CHARGE | Monthly Payment Is | ANMUAL PERCENTAGE RATE |
| \$95.01 \$100.00 | \$9.25 | \$10.00 | 18.50\% | \$15.65 | \$5.50 | 17.50\% |
| $90.01 \quad 95.00$ | 9.25 | 9.75 | 19.50 | 14.85 | 5.50 | 17.50 |
| $85.01 \quad 90.00$ | 9.25 | 9.50 | 22.50 | 13.45 | 5.25 | 17.75 |
| $80.01 \quad 85.00$ | 9.25 | 9.25 | 23.75 | 12.00 | 5.25 | 17.75 |
| $75.01 \quad 80.00$ | 9.00 | 9.00 | 24.50 | 10.70 | 5.00 | 17.75 |
| $70.01 \quad 75.00$ | 8.40 | 8.00 | 24.50 | 10.00 | 5.00 | 18.75 |
| 65.0170 .00 | 7.80 | 7.50 | 24.50 | 10.00 | 5.00 | 21.25 |
| $60.01 \quad 65.00$ | 7.20 | 7.00 | 24.5* | 10.00 | 5.00 | 24.50 |
| $55.01 \quad 60.00$ | 6.65 | 6.50 | 24.50 | 8.55 | 5.00 | 24.50 |
| $50.01 \quad 55.00$ | 6.10 | 6.00 | 24.50 | 7.25 | 5.00 | 24.50 |


| \$20.00 to \$59.00 |  | STAMDARD PLAM |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { II Unpaid Balance } \\ & \text { (mmount } \\ & \text { Financed) Is } \\ & \text { From } \end{aligned}$ |  |  |  |  |
|  |  | Add for | Monthly | AWNUAL |
|  |  | FIMANCE | Payme | CENTAGE |
|  |  | CHARGE | is | RATE |
| \$45.01 | \$50.00 | \$6.00 | $\$ 5.00$ | 24.50\% |
| 40.01 | 45.00 | 5.25 | 4.75 | 26.00 |
| 35.01 | 40.00 | 4.75 | 4.25 | 26.75 |
| 30.01 | 35.00 | 4.50 | 3.70 | 29.25 |
| 25.01 | 30.00 | 3.50 | 3.35 | 30.00 |
| 20.00 | 25.00 | 3.00 | 2.70 | 32.00 |

> OVER $\$ 500.00$. Please write for terms for amounts to be financed over $\$ 500.00$.
minimum ORDER-\$30
minimum "ADD-ON" - $\$ 20$

Number of payments will be Total of Payments (Arsount Financed plus the Fimance CHaRCE) divided by the amount of one monthly payment.

MAIL ORDER
and Sales Center

111 Jericho Turnpike (west of So. Oyster Boy Rd.)
Syosset, L. I., N. Y. 11791
All Departments $516921.7700 \quad$ C.O.D. Orders Only 516921.7500 Open Mon., Thurs., Fri. 'fil 9:30 P.M.
Our modern Mail Order Heodquorters, located on over 8 ocres of land, includes expanded warehouse facilities plus the most modern handling equipment to give you quicker service. Within 24 hours after receipt, most orders are processed, picked, wrapped ond shipped.

## 40 Convenient Locations

Visit the Lafoyelte Store nearest you for fast personolized service. See the catolog "come to life" ond mony other exciting disploys of the lotest products just releosed. Associote Stores From Coost To Coast. Wotch for New Grand Openings.

## NEW YORK

| NEW YORK |  | Wyncote (Chelfenhom Township) <br> 8156 Ogontz Ave. <br> Phone 215885 -2140 |
| :---: | :---: | :---: |
| BROOKLYN 11226 <br> 2265 Bedford Ave. (kor. Snyder Ave.) <br> Phone: 212 469-8900 | N.Y.C. - 45th STREET 49 West 45 St . <br> (between 3 th 6 6h Aves.) <br> Phone: $212757-3121$ |  |
| BUFFALO (Amherst) Sheridan Shopping Center ( 3600 Sheridan 01.) <br> Phone: 716 883-2826 | N.Y.C. - UNION SQUARE 10003 II Union Square West (tor. 15ih St.) Phone: 212 924-4433 | North Hills Village Shopping $\mathbf{C r}$. 4801 Mcknight Rood Phane: 412366.0810 |
| HEMPSTEAD 120 N. Franklin St. | N.Y.C. - WARREN ST. 10007 45 Warren Streef | BRIDGEVILLE 15017 (Great Southern Shopping Center) Phone: $412 \quad 221.7888$ |
| Phone: 516 538-6464 | Phone: 212964.0334 | GEORGIA |
| JAMAICA <br> 165-08 Libeny Ave. <br> ( 0 M Merrick Rd.) <br> Phone: 212 291.7000 | ROCHESTER-IRONDEOUOIT 14621 999 Ridge Rood East (Corter Sl. exit of Keeler Expresswoy) Phone: 718 467.1310 | 4610 Memorial Drive (Grant City Shopping Center) Phone: 404292.3474 |
| LAKE GROVE 11755 2848 Middle Country Rd. | ROCHESTER - PITTSFORD 14618 [Opposite Pitssford Plozo) | SMYRNA Spring 1971 30080 |
| (R. $25-1 / 4$ mile E. of Smithhaven Moll) Phone: 518 585-3600 | Phone: 716 586-6331 | NEW JERSEY |
| IYNBROOK, L. I., N. Y. <br> 381 Sunrise Highway <br> (2 miles Eost of Green Acres) <br> Phone: 516 887.9800 | SCARSDALE <br> 691 Central Ave. <br> ( $1 / 2$ mile north of Ardsley Rd .) <br> Phone: 914472.2700 | NEWARK <br> 24 Central Ave. (west of Broad St.) Phone: 201622.1661 <br> paramus <br> 07652 |
| NEW ROCHELLE 10801 218 North Ave. [opp. Mocy's Moll] Phone: 914235.5101 | sYosset $11791$ <br> 111 Jericho Turnpike (west of So. Oyster Boy Rd.) <br> Phone: 516 921-7700 | 182 Route 17 <br> (1 mile north of Garden State Plazo) Phone: 201 261-8800 |
| MASSACHUSETTS | CONNECTICUT | PLAINFIELD <br> 139 W. 2nd 5 t. <br> (1 blork sast of Front 5 t.) <br> Phone: 201 756-5100 |
| $\begin{aligned} & \text { BOSTON } 02215 \\ & 584 \text { Commonweolth Ave. } \\ & \mathrm{l} 1 / 2 \text { black above Kenmore } \mathrm{Sq.} \mathrm{l} \end{aligned}$ | HAMDEN Homden Plaxo 06514 |  |
| Phone: 617 267.8900 | (2100 Dixwall Ave., odjoining Pegnataro $\$$ ) Phone: 203 248-2182 | totowa 07512 <br> 410 Roule 46 Phane: 201785.1783 |
| Worcester St. |  | VIRGINIA |
| (R1. 9 opp. Shopper's World) | T HARTFORD 06117 | FAlLS CHURCH 22044 |
| Phone: 617875.6146 | Bishop's Corner Shopping Center ( 357 Morth Main $5 t$. sor. Albony Ave.) Phone: 203 236-0693 | Plaza 7 Shopping Center (sor, Wilson $\&$ Roosevell Blyd.) (ocross from 7 somers) Phone: 703 534-5772 |
| Saugus Ploza Shopping Center (R1. 18 Wolnut St.) | OHIO |  |
| Phone: 617 233-6710 | COLUMBUS Great Eastern Shopping Center (Hamilton Rd. \& Moin St.) | $\begin{aligned} & \text { TOLEDO } \\ & \text { Mirade Mile Shopping Center } \end{aligned}$ |
| WEST ROXBURY <br> 1530 V.F.W. Parkway <br> (1 mile north of Dedhom Mall) <br> Phone: $327-0300$ | COLUMBUS 43224 <br> (Northern Lights Shopping Center) 3395 Cleveland Avenue Phone: $614861-8660$ | PARMA HEIGHTS 44130 6425 Peorl Road Fall 1970 |
| MARYLAND |  |  |
| CATONSVILLE (Rolling Rds. 8 Route 40) Baltimore Spring 1971 | TOWSON <br> 815 Taylor Avenue (Loch Roven Plazo) <br> Phone: 301825.7750 | MT. RAINIER/HYATTSVILLE 20822 <br> 3191 Queens Chapel Rd. (Rt. 500) <br> (Oueenstown Shapping (entar) <br> Phone: $301779-7020$ |

## YOU CAN DEPEND ON

## TO MAKE YOUR SHOPPING EASIER THAN EVER

## 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 408 and 409 for helpful ordering information.

## in person

Visit any of our large, modern, conveniently located stores listed on page 12. Select from a wide assortment of catalog and special merchandise.

## and by phonè

Enjoy the extra convenience of shopping by phone. Simply dial 516-921-7500. Just give your C.O.D. order to our personal service shopper and your shopping is done, quickly and easily.

## WIDEST SELECTION

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

## OUTSTANDING QUALITY

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

## BETTER SERVICE

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

## LIBERAL GUARANTEES

See page 407 for Lafayette's Liberal Guarantees.

## 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.


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

(See Insert Card next to Page 147)

# MAKE LAFAYETTE YOUR ONE DEPENDABLE SOURCE FOR EVERYTHING IN ELECTRONICS 

## COMMERCIAL SALES DEPARTMENT

The Commercial Sales Department services state, county, and municipal purchasing offices; educational and medical facilities; police, fire, and civil defense departments; churches, civic and social organizations; as well as commercial and manufac-
turing organizations. Original electronic equipment manufacturers consult our industrial Electronics Division. A special staff is prepared to give advice, quotations and prompt service.

> For Personalized Service, Phone or Write Lafayette Commerical Sales Department
> P.0. Box 260 Syosset, L.I., N.Y. 11791
> Phone $(516) 921-7700$

## INDUSTRIAL ELECTRONICS DIVISIONS

Lafayette's Industrial Electronics Divisions, SPECIALIZE IN SEMI-CONDUCTORS and TANTALUM CAPACITORS. Overnight delivery can be made to all parts of U.S.A. via AIR CARRIERS. Large OEM quantity prices and availability from Lafayette's

## IC's and SEMICONDUCTORS

- Texas Instruments - Dickson - Amelco - Teledyne - Continental Devices - R.C.A. TRW/IRC - Microsemiconductors - Silicon Transistor*
heat Sinks
- Thermalloy

TANTALUM CAPACITORS (CSR types)

- Dickson - Mallory - Sprague


## VOLTAGE REGULATORS*

- General Radio Variacs ${ }^{\text {® }}$

SENSING RESISTORS (SENSISTORSN)

- Texas Instruments

Lafayette supplies from stock the above brands and others: JAN, JAN-TX, SIN type transistors and diodes.
For productions quantity OEM needs or for R\&D requirements write or phone for complete, expert personalized service.

## NEW YORK AREA

165-08 Liberty Avenue Jamaica, New York 11433
Phone: (212) 658-5050
NEW ENGLAND AND CANADA 1400 Worchester Street Natick, Mass. 01760
Phone: (617) 875-1358

| IMMEDIATE SHIPMENTS | Cut costs of production delays! |
| :--- | :--- |
| OEM PRICES (always competitive) | Cut costs of purchases! |
| DEEP INVENTORIES (single shipments) | Cut costs of receiving! |
| QUALITY PRODUCTS (leading mfrs.) | Cut costs of production failures! |
| PROMISES KEPT | Cut costs of expediting! |
| Enterprise Number In Major Cities |  |

IMMEDIATE SHIPMENTS
OEM PRICES (always competitive) QUALITY PRODUCTS (leading mfrs.) PROMISES KEPT

Enterprise Number In Major Cities *Natick, Mass. only.
vast inventories can fill your production needs immediately. In addition to the material in this catalog. the following are some of the leading lines of semi-conductors supplied by Lafayette:

## INTERNATIONAL SALES DIVISION

Specializes in export shipment for quantity industrial and dealer orders as well as single item purchases throughout the world. An expert knowledge
of shipping and routing gives you the fastest and most dependable service.

## WRITE TO: Lafayette Radio Electronics Corporation International Sales Division P.O. Box P Syosset, L.I., N.Y., U.S.A.

## Export Terms

Full payment must accompany your order. Enclose check or draft; or remit international Postal Money Order or confirmed, irrevocable Letter of Credit. All payments should be in U.S. Dollars payable at U.S. Bank. Include 20\% above merchandise value to cover international postage, insurance, consular fees and other export shipping and handling costs. Slightly more should be allowed for heavy items and ocean or air freight shipments. These charges can-
not be accurately predetermined--overpayments are promptly refunded.
We reserve the right to route order by the best method when order does not indicate routing or when method suggested is impractical or not possible. All prices F.O.B. our warehouses and subject to change without notice. Enclose Import License and/or Consular Declaration where so required by your government.

WHEN IN JAPAN VISIT OUR TOKYO SHOWROOM

Planet Research Inc.

Minamizuka Bldg.

17.3 Shibuya 2 Chrome

Shibuya-Ku Tokyo, Japan

## LAFAYETTE 160 Watt Solid State Stereo Amplifier



Model LA-125TA

## Enjoy the Richness of Superb Stereophonic Sound!

## Only <br>  <br> 95 with case <br> No Money Down*

AAA 2-YEAR GUARANTEE
See Page 407 For Terms

Monitor switch for tape playback and recording

Speaker mode switch switches sound to main or remote speakers sep. arately, or to both sets of speakers simultane. ously; plus headphone only position for private listening

Front panel stereo headphone jack.

Microphone/Musical Instrument Jack conveniently located on front panel


## SPECIFICATIONS

Power Output: 160 Watts $\pm 1 \mathrm{db}, 125$ Watts IMF Frequency Response: $22-20.000 \mathrm{~Hz} \pm 1 \mathrm{db}$ at 1 watt. Power Bandwidth: $20-40,000 \mathrm{~Hz}$.
Harmonic Distortion: at 1 kHz ., less than $1 \%$ at rated power; $.2 \%$ at 1 watt
Channel Separation: 65 db , at 1 kHz
Hum and Noise: Aux. and tuner - 75 db , phono, and microphone - 56 db .
Input Sensitivity: aux. and tuner, 270 mw; phono (cer). 80 mv ; phono (mag), H, 2.2 mv ; L. 7 mv ; Mic/Guitar, 6 mv . Low Frequency Fiter: -17 db at 20 Hz .
High Frequency Fiter:- 10 db . at 10 kHz
Loudness Switch: 11 db at 50 Hz ; +3.5 db at 10 kHz .
Tone Controls: 25 db at $50 \mathrm{~Hz}, 23 \mathrm{db}$. at 10 kHz .

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

- 160 Watts ( $\pm \mathbf{1 d b}$ ) of Stereo Music Power
- High Gain Plus Low Gain Magnetic Phono Inputs
- High Gain Plus Low Gain Tuner Inputs
- Low and High Frequency Filters
- Simulated Walnut Wood Grain Case
- Brushed Aluminum, Gold Anodized Extruded Front Panel
- Tape Output Jacks, Front and and Rear
- 20 Transistors, 4 Diodes

Deluxe Lafayette solid state 160 watt single chassis preamplifier and amplifier. Its desirable $13^{\circ} \times 37 / 8^{\prime \prime} \times 91 / 4^{\prime \prime}$ size and cool transistorized circuitry make it ideal for any loca. sion in your home. Produces a full 160 watts of audio power from $20-20,000 \mathrm{~Hz}$ with virtually no faltering at either end of the response range. The circuitry incorporated within the LA-125TA provide years of trouble free operation. Concentric Balance/Volume, Treble, and Bass Controls provide easy adjustment on both channels. Four "rocker" type switches are provided for Low Filter. High Filter, Loudness for tonal balance at low volume levels, and Tape Monitor for monitoring tape while recording and playing tape back through ampllfier. important front panel features are: quality multi-position rotary.switches for Speaker Mode, Amplifier Mode, and Program Source Selector. Front panel also has provisions for Stereo Headphones, Tape Output, and Microphone or Musical input. The rear panel provides you with 6 stereo inputs, and stereo output for tape recoroing through amplifier. The stereo inputs include: Magnetic (High, Low): Ceramic phono cartridge; Tuner (High, Low); Auxitiary; and Tape Input for connection of a tape deck that has its own preamplifier. Left and Right speaker connections permit the use of 4,8 . or 16 ohm speakers. Special remote speaker terminals are provided for remote place. ment of speakers anywhere in your home. Includes Com-puter-Matic protective circuitry for protection against burnout of audio driver transistor and audio output transistors. 2 AC convenience outlets (1 switched) on rear panel. For 117 volts AC, $50 / 60 \mathrm{Mz}$. Shpg. wt., $183 / 4 \mathrm{Ibs}$. 99 F 02073w

Net 129.95
See Page 28 for LA.125TA Sterea Hi-Fi Systems

"Stereo 25" 20-Watt Solid State Stereo Amplifier




Only


## - Compact Size

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

- Neat Styling

Front panel features: Separate volume controls for Left/Right channels: Tone control for Bass and Treble; Rotary selector switch for Phono. Tuner and Auxiliary; Individual slide switches for Mono/ Stereo Mode, Power-On/Off and Speakers-Main/Remote; stereo headphone jack for private listening; Power On/Oft Indicator light. Rear panel features: Left/Right chapnel Inputs for phono, tuner and auxiliary, Left/Right channel outputs for main and remote speakers; switched A.C convenience outlet. Beautifully finished brushed aluminum 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.. 7 lbs.
99 F 02249

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



Lalayette AC50B
ONLY
83
95
with case


This popular hi.fi beginner's 2nd stereo system consists of: Lafayette Stereo 10 A 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 cuelng; matching walnut finished wood base for record changer: 2 Lafayette flne-performing Criterion $2 \times 2$ way boakshelf speaker systems with $6^{\prime \prime}$ woofer and $31 / 2^{\prime \prime}$ direct radiator cone tweeter; with speaker cable. Shpg. wt., 321/2 lbs. 21 F 93365 WXM No Money Down*

Net 83.95
You SAVE 8.80 from individual catalog prices!
See Pages 42 and 66 for full description of system components.
This fine performing 2 nd stereo music system consists of: Lafayette Stereo 10 A stereo amplifler; Lafayette Medel AC50B 4 speed automatic push-button stereo record changer wih stereo furnover ceramic cartridge and dlamond LP needle; matching record changer ceramic cartridge and 2 Lafayette Criterion 25A 2-way 25 -watt speaker systems with base; 2 Lafayette Criterion 25A 2 way 25 -watt speaker systems with
extra efficlent $8^{\circ \prime \prime}$ woofer and $24 / 2^{\prime \prime}$ tweeter in-olled walnut finished enclosuri. Complete with speaker cable. Shpg. wt. $381 / 2 \mathrm{lbs}$. 21 F 93313wxM No Money Down*
You SAVE 9.80 from individual catalog prices!


ONLY 195

Griterion 25A


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



## AAA 2-YEAR GUARANTEE

See Page 407 for Terms

## A Superb AM/FM Hi-Fi Stereo Tuner ...plus Space Age Styling of Distinction!



## 4 IC's, 2 FET's, 18 Transistors, 21 Ciodes

The Lafayette LT-725 establishes pace-setting standards for encellence in performance, flexibllity of controls, ease of operation, and convenience. Its distinctive styling will comoliment 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 circult design, the LT. 725 boasts an ultra-modern exterior with space-age styling. The most striking of these is the elegant ebony face-plate with zold embossed lettering; equally impressive when the unit is " O ". "the logging scale, tuning meter and stereo indicator are illuminated into a 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, FM/AM reception, and tunink meter for center channel tuning and slgnal strength indication. There are tape output jacks at the rear and front panels: and rear inputs for external FM and AM antennas. Complete with bulit-in FM and AM antennas. AC fuse holder and grounding post. Output suitable for anv quality stereo amplifier. Size: $12 \mathrm{~W} \times 33 / 4 \mathrm{H} \times 91 / \mathrm{g}^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., $121 / 2 \mathrm{lbs}$.
99 F 02164WUX
Net 99.95

## SPECIFICATIONS

FM SECTION: 4 Gang Tuning Condenser. Range: $88 \cdot 108 \mathrm{MHz}$. Semsitivity: $1.7 \mu \mathrm{v}$. Harmonic 0istortion: @ $400 \mathrm{~Hz} .100 \%$ modula. tion: $0.25 \%$. Selectivity: 50 db . Capture Ratio: 1.5 db . Stereo Separation: 40 db @ 400 Hz . Cross Modulation Index: 90db. Sle. nal-to-Noise Ratio: 75 tb ( $100 \%$ Mod.) Image Rejection: 80db. External Antenna Impedance: 300 ohms balanced. AM SECTION: 3 Gang Tuning Condenser; Range: 535.1650 kHz . Senstivity (Antenna Terminal): $20 \mu v$.

- $1.7 \mu \mathrm{~V}$ IHF Sensitivity
- Front Panel Tape Output Jack
- Hluminated Signal-Strength Tuning Meter For Normal and Center Scale Tuning
- Automatic Stereo Switching and Stereo Indicator Light
- Internal FM Antenna plus Flexible Mount AM Loopstick Antenna
- Beautifully Styled Dial That Illuminates with "Power-On"
- 40db Stereo Separation


## OUTSTANDING FEATURES



Illuminated Tuning Meter for accurate tuning of FM and AM stations.

STEREOAutomatic FM Stereo


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

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

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



## Amazing Low Price

14-Transistors Plus 16-Diodes

Enjoy the full measure of high priced AM/FM stered reception at an "Amazingly" low price. Solid-state circuitry combines advanced design and electronic principles to provide a level of performance that far exceeds the cost! Included are AUTONAIIC MULTIPLEX CIRCUITRY which instantly switches the tuner to stereo operallon when stereo is being broadcast. A "STEREO" INDICATOR LIGHT RIves instantaneous visual indication of stereo broadcasts. Every control feature for outstanding performance has been Included: switchable (On/Otf) MPX FILTER for reduction of external interference on FM stereo; AUTO LOCK (AFC) assures drift-free reception. Other features include a MODE selector (Mono or Stereo); and a SELECTOR for AM or FM reception. There are even tape output 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 brush aluminum front panel and knobs. For 105/120
 99 F 02313 wux

Net 69.95

## SPECIFICATIONS

FM SECTION: 3-Gang Tuning Condenser. Range: 88-108 MHz
Sensitivity: $3.5 \mu \mathrm{~V}$. Harmonic Distortion: © $400 \mathrm{~Hz} .100 \%$ modu.
lation: $0.7 \%$; Selectivity (Alternate Channel): 35 db . Capture
Ratio: 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 Im-
pedance: 300 ohm balanced. AM SECTION: 3-Gans Tuning Con-
denser. Range: $535 \cdot 1650 \mathrm{kHz}$. Sensifivity (Antensa Terminals):
$20 \mu \mathrm{~V} . \mathrm{S} / \mathrm{N}: 40 \mathrm{db}$ @ 1 mV input.

## AAA 2-YEAR GUARANTEE

See Page 407 for Terms

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



## Safayette

## 240-Watt AM-FM Stereo Systems

## SAVE 69.85

From Individual Catalog Prices $429^{95}$
No Money Down*


## B Feature-Packed 240-W att AM-FM Stereo Systems

This expertly matched stereo system includes our finest receiver the award-winning Lafayette LR-1500TA 240-Watt Solld-State AM-FM Stereo Receiver which features advanced solid-state circuitry with 4 Integrated Circuits, 5 F.E.T's 39 dlscrete transistors, ComputorMatlen protective circuitry and ACRITUNE precision visual tuning for extraordinary performance; Garrard Synchro-Lab Madel SL55B 4. Speed Automatic Turntable with attractive matching base; Pickering V-15/ACE-3 Elliptical Stereo Cartridge with high compliance diamond stylus; and 2 Lafayette Criterion 1008 3-way speaker systems with $10^{\prime \prime}$ woofer, $31 / 2^{\prime \prime}$ mid-range, $11 / 2^{\prime \prime}$ super tweeter. loaded sonic port and high frequency Drilliance conirol in attractive oiled-wainut finished enclosures. Complete with speaker cable. Shpg. wt.. $1131 / 2 \mathrm{lbs}$. 21 ₹ 93050 WKM

Net 424.95
Same system as above except with Shure M55E elliptical stereo cartridge.
21 F 93241 wXM Shpg. wt., $1131 / 2$ lbs.
Net 424.95

This excellent feature-pached stereo system consists of the acclalmed Lafayette LR-1500TA 240 -Watt Solid State AM-FM Stereo Receiver with advanced solid-state design and Computor-Matigen prolectlve circuitry the Garrard Synchro-Lab Model SL558 4-Speed Automatic Turntable with neatly styled matching base; Pickering V-15 IACE-3 Elliptical Stereo Cartridge with high compliance diamond stylus; and 2 lafayette Criterion $4 X$ deluxe 4 -way speaker systems leaturing a $12^{\prime \prime}$ woofer with $2^{\prime \prime}$ voice coil. $5^{\prime \prime}$ mid-range, $3^{\prime \prime}$ tweeter, $11 / 2^{\prime \prime}$ direct radiator super fweeter, and Brilliance and Presence controls in attractively styled oiled-wainut finished enclosures. Complete with speaker cable. Shpg. wt., $1311 / 2$ lds.
21 F 93258WXM
Net 460.95
Same system as above except with Shure M55E elliptical stered cartridge. Shpg. wt., $131 / 1 / 2 \mathrm{lbs}$.
21 F 93266 WXM
Plastic Oust Cover for SL558 Turntable
21 fic
Net 460.95
21 F 40267W Shpr. wt., $11 / 2 \mathrm{lbs}$.
Net 5.50

See Pages 4, 5, 44, 46, and 68-71 for Full Description of Components on this Page.


# with Award-Winning LR-1500TA Receiver 



A Deluxe 240-W att AM-FM Stereo Systems A truly deluye stereo system consisting of the critic's acclaimed Lafayette LR-1500TA 240-Watt Solid State AM-FM Stereo Receiver; Garrard Synchro-Lab Model SL65B 4-Speed Automatic Turntable with adjustable anti-skating control, viscous-damped cueing, etc.; Matching base for turntable: Pickering V-15/ACE-3 Elliptical Stereo Cartridge; and 2 Deluxe Criterion 150A 3-way acoustic suspension speaker systems with $10^{\prime \prime}$ air-suspension woofer, $3^{\prime \prime}$ closed-back cone type driver for mid-pange and tower high frequencles, $12 / 2^{\prime \prime}$ super tweeter with aluminum cone, in attractive oiled-walnut finished enclosure. With speaker cable. Shpg, wt., 951/2 lbs.
21 F 93191 WXM
Same system as above except with Shure M55E elliptical stereo cartridge. 21 F 93209 WXM Shpg. wt., $951 / 2 \mathrm{lbs}$.

Net 462.95
Net 462.95

## Super-Deluxe 240-W att AM-FM Stereo Systems

A super-defuxe stereo system that feafures the renowned Lafayefte LR-15001A 240. Watt Solid State AM-FM Stereo Receiver; the Garrard Model SL65B Symehro-Lab 4-Speed Automatic Turntable; Matching base for turntable; ickering V-15/ACE-3 Elliptical stereo Cartridge with high compliance diamond stylus; and 2 new Lafayette Criterion VI deluxe 4-way, 6-speaker systems with $12^{\prime \prime}$ wooter, $5^{\prime \prime}$ mid-range, two $3^{\prime \prime}$ tweeters, two $11 / 2^{\prime \prime}$ super tweeters, Brilliance and Presence controls in a handsome oiled-walnut finished enclosure. With cable.
21 F 93092 WXM Shpg. wt., $1391 / 2$ lbs.
Same system as above except with Shure M55E elliptical stereo cartridge.
Net 516.95
21 F 93217 WXM Shpg. wl., $1391 / 2$ lbs
Net $5 \mathbf{1 6 . 9 5}$


## aftayetteo

150-Watt AM-FM Stereo Systems with LR-1000TA Receiver

$\underset{\substack{\text { From Individual } \\ \text { Catalog Prices }}}{\text { SAVE } 60.85} 39 \begin{gathered}95 \\ \text { with } \\ \text { case }\end{gathered}$
No Money Down*


## SAVE 58.85

From Individuat Catalog Prices

## (A) Selected 150-W att AM-FM Stereo Systems

This fine 150 -watt stereo system features the Lafayette LR-1000TA $\mathbf{1 5 0}$-Waft Solid State AM.FM Stereo Receiver cited by audio critics for its outslanding pertormance characteristics and fine circuitry Innovations; the Garrard Model 4084 -Speed Automatic Turntable; matching base for turntable: Pickering P/ATE-1 Elliptical Stereo Cartridge with high com pliance diamond stylus; and 2 latayette Criterion 10083 -way loaded sonic speaker syspliance diamond stylus; and 2 with $10^{\prime \prime}$ wooler, $31 / 2^{\prime \prime}$ midrange, $11 / 2^{\prime \prime}$ super tweeter and brilliance control in an attractively styled olled-wainut finished enclosure. Includes speaker cable. 21 F 92920 wx 伿 Shpg . wt., $1061 / 2$ lbs.

Net $\mathbf{3 5 5 . 9 5}$ Same system as above except with Shure Allide elfiplical stereo cartridge. 21 F 93274 wxM Shpg. wi., $1061 / 2$ tbs.

Net 355.95
Same as 21 F 92920 WxM except with Empire $90 \mathrm{E} / \mathrm{X}$ elliptical stereo cartridge. 21 F 93282 wxM Shpt. wt., $1061 / 2$ lbs.

Net 355,95

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

This specially matched stereo system features the exceptionally fine lafayette LR10007A 150.Watt Solid State AM-FM Stereo Receiver; Carrard Model 40 B $4.5 p e e d$ Automatic Turntable; matching base for turntable; Pickering P/aTE-1 Elliptical Stereo Cartridge; and 2 Lafayefte Griterion 150 A delure 3 -way acoustic suspensien speaker system with $10^{\prime \prime}$ air suspension woofer with $2 \frac{1}{2} \mathrm{lb}$. magnet structure, 3 " cone type midrange and lower high frequency driver, $11 / 2^{\prime \prime}$ super tweeter with aluminum cone, and high frequency level control in altractive, luxurious olled walnut finished enclosure. With cable. Shpg. wt., $881 / 4$ lbs.
21 F 93290 WX M
Net 313.95
Same as above except with Shure M44E elliptical stereo cartridge. 21 F 93308 Wxu Shpg. wt. $881 / 4 \mathrm{lbs}$.

Net 313.95 Same as 21 F 93290 WXM excepl with Empire $90 \mathrm{E} / \mathrm{X}$ elliptical steree cartridge. 21 F 93316 wxM Shpg. wt. $881 / 4 \mathrm{lbs}$. 373.95

## C. Deluxe 150-W att AM-FM Stereo Systems

Includes superb Lafayette LR-1000TA 150-watt Solid state AM/FM Stereo receiver; Garrard Synchrolab Model SL558 4-Speed Automatic Turntable with sychronous motor and viscous damped cueing: Base for turntable; Pickering v-15/hCE-3 Elliptical Stereo Cartridge with high-compliance diamond stylus; and 2 Lafayette Delure Criterion Vi 6 . speaker 4 -way systems that feature a $12^{\circ \prime}$ woofer with $41 / 2 \mathrm{lb}$. magnet structure, $5^{\circ}$ midrange in sealed sub-enclosure, $2-3^{\prime \prime}$ cone tweeters, $2-11 / 2^{\prime \prime}$ aluminum cone super tweeters, and tuned "sonic tube" in smart diled walnut finish enclosure. With cable, 21 F 93324 wXm Shpg. wt., $1341 / 2$ bs.
Same as above except with Shure $\mathbf{W 5 5 E}$ elliptical stereo cartridge.
21 F 93332 WXM Shpg. wt., $1341 / 2$ lbs.
Net 442.95

21 F 40267w Plastic Dust Cover for Turntables. Shpg. wt., 3 Ibs
Net 442.95
Net 5.50


SAVE 71.85
From Individual Catalog Prices


No Money Down*

Garrard
Model SL55B

# 100-Watt AM-FM Stereo Systems with LR-775 Receiver 


(A) Choice 100-W att AM-FM Stereo Systems

This complete versatile stereo system consists of Lafayette LR-775 100-Watt Solid State AM-FM Stereo Receiver with advanced solid state stereo circuitry, Garrard Model 40 B 4-Speed Automatic Turntable; Matching base for turntable; Pickering P/ATE-1 Elliptical Stereo Cartridge with high-compliance diamond stylus; and 2 tamous Lafayette Criterion 50A 2 -way bass reflex ducted port speaker systems with $8^{\prime \prime}$ woofer and $31 / 2^{\prime \prime}$ direct radiator tweeter in oiled walnut finish enclosure for horizontal or vertical placement. With cable. Shpg. wt., 73 lbs.
21 f 93381 WXM
Net 283.95
Same as above but with Shure M44E elliptical stereo cartridge. Shpg. wt., 73 ibs.
21 F 93399 WXM
Net 283.95
Same as above but with Empire goEE/X elliptical stereo cartridge. Shpg. wt., 73 lbs . 21F 93407WXM Net 283.95

## (B) Specially Selected 100.W att

## Omnidirectional AM-FM Stereo Systems

This specially matched stereo system features the Lafayette LR-775 100 .Watl Solid State AM-FM Stereo Receiver; Garrard Model 408 4-Speed Automatic Turntable; Matching base for turntable; Pickering P/ATE-1 Elliptical Stereo Cartridge; and 2 Lafayetie Criterion "OMNI-1" omnidirectional 5-speaker thin-llne speaker system. "OMNI-1" includes $8^{\circ}$ woofer plus four $31 / 2^{\prime \prime}$ close-back tweeters with $360^{\circ}$ acoustic deflector in decorator styled oiled walnut enclosure for delightful room-filing audio. With cable. 21 f 92078 wxM Shpg. wt., 85 Ibs.

Net 301.95
Same as above except with Shure M44E elliptical stereo cartridge. Shpg. wt., 85 lbs. 21 F 92060WXM Net 301.95 Same as 21 F 92078 WXM except with Empire 90 EE/K elliptical stereo cartridge. 21 F 93423 WXM Shpg. wt., 85 lbs.

Net 301.95

## C. Deluxe 100-W att AM-FM Stereo Systems

A truly deluxe stereo system that consists of the Lafayefte LR.775 $\quad \mathbf{1 0 0}$. Watt SolidState AM-FM Stereo Receiver; Garrard Synchrolab Model SL-558 Automatic Turntable with synchronous motor, adjustable anti-skating control and viscous damped cueing; Matching base for turntable; Pickering V15/ACE-3 EIIfptical Stereo Cartridge with high compliance diamond stylus; and 2 Lafayette Criterion 150 A deluxe 3 -way acoustic suspension speaker systems with $10^{\prime \prime}$ acoustic suspension woofer, $3^{\prime \prime}$ cone-type midrange and lower high frequency speaker, and $11 / 2^{\prime \prime}$ super-tweeter and high frequency level control. Housed in handsome oiled-wainut finished enclosure. With cable. 21 F 9343 iwXM Shpg. wt., 75 lbs.

Net 352.95
Same system as above except with Shure M55E elliptical stereo cartridge. 21 F 93449 WXM Shog. wt. 75 lbs.
21 F 40267 W Plastic Dust Cover For Turntables. Shpr, wt., 3 lbs.
Net 352.95
Net 5.50 See Pages $7,41-49,68-71,76 \& 77$ for complete description of components on this page.


## 301装

SAVE 52.85
From Individual

- Catalog Prices

Ne Money Down*


SAVE 61.85
From Individual Catalog Prices

35



## Raryete

Clesen

# 50-Watt AM-FM Stereo Systems with $L R$-100 Receiver 



## Super-Value 50-W att AM-FM Stereo Systems

Extraordinary value in a complete 50 -watt stereo system! Features the Lafayefte LR-100 $50-$ Watt solid Stats AM.FM Stereo Receiver which offers full-feature stereo versatility with controls and inpuls from every source, handsomely styled in black and gold anodized front panel and with simulated walnut vinyt clad metal case; Earrard Model 408 4-speod Automatic Turntable with viscous damped, single lever cueing, complete with Matching base; Pickering P/ATE-1 Elifipical stereo Cartrioge with high compliance diamond stylus; 2 Lalayette Criterion 25A 25 -Watt 2 .Way speaker systems, each fea turing an extra-efficient $8^{\prime \prime}$ woofer and $21 / 2^{\prime \prime}$ Iweeter. Speakers are
housed in attractive enclosures with hand-rubbed olled walnut finish. Complete with speaker cable. Shpg. wt., 56 tbs.
21 F 94789 wXM
Net 211.95
Same system as above except with Shure M44E elilptical stereo cartridge. Shpg wt., 56 Ibs.
21 F S4777wX㑲 211.95
Same system as above except with Emplre goEE/X elliphical stereo cartridge. Shpg. wt., 56 lbs.
21 F 93464wim
Net 211.95

## 50-W att Omnidirectional AM-FM Stereo Systems

 AM-FM Stereo SystemsSAVE 44.85


From individual
Catalog Prices

No Money Down**
LR-100
This specially selected 50 -Watt AM.FM stereo phonu system features the Lafayett LR-100 50-Wati Solid State AM-FM Stereo flecelver whth fuil stereo capability; the Garrard Model 4084 -spted Automatie Turntable with matching base; Pickering P/ATE-1 Elliptical Steree Cartridge with high compliance diamond stylus; 2 famous Lafayette Criterion 50 A 30 -waft 2 -way bass reflex ducled port speaker systems with heavy duty $8^{\prime \prime}$ wooter and $31 / 2^{\prime \prime}$ direct radiator tweeter in attractive hand-rubbed olled walnut finished enclosures. With cable. 21 F 93472 wXM Shpg. wt., $874 / 4 \mathrm{lbs}$.

Net 229.95
Above system but with Shure M44E elliptical stereo cartridge. 21 F 93400 WxM Shpg. Wt., $87 \mathrm{y} / 4 \mathrm{lbs}$.

Net 229.95
Above system but with Empire $90 E E / X$ elliptical stereo cartridge.
21 F 84480 wx M Shog. wt. 87 Va lbs.
Net 22
21 F 40267 W Plastic Dust Cover For Garrard Model 408 Turntable. Shpg. wt., 3 lbs. Net 5.50

$$
\text { See Pages } 8,41-49,68-71,76,77 \text { for Complete Description of Components on this Page. }
$$

# NOW..FULL STEREO ENJOYMENT FOR EVERYONE! 

 25-Watt AM-FM Stereo Systems with LR-75 Receiver SAVE 17.90From Individual Catalog Prices
$166{ }^{65}$
No Money Down*


No Woney Down


## Value-Packed Economy 25-vatt Stereo Systems

A truly exciting value in a complete 25 -watt stereo syitem package! Matched for performance as well as economy, this stereo system features the Lafayette LR-75 25 -watt Solid $\$$ State AM-FM Stereo Recaiver with full stereo performance capability and with pleasing complementary styling; Garrard Model 304 -Speed Automatic furn talle with oversized turntabie, efficient ceramic stereo cartridge

## Specially Matched 25-W att

Stereo Systems
and Iong-life diamond stylus; Attractive Matcining Turntapto base for Modei 30 ; and 2 Lafayelte Criterion 2 x neatly styled, Mighly efficient 2.way olled walnut finish bookshelf speaker systems with floe per. forming $6^{\prime \prime}$ woofer and $342^{\prime \prime}$ cone-type tweeter. Shpg. wt ., 45 lbs. 21 F 93522 KXM

Net 186.95
Deluxe 25-W att Stereo Systems

A specially matched stereo system that features the Maw lafayotte AM-75 25 -watt solid State AM-FM Stereo Receiver with full stereo capabilities and controls, the Garrard Model 304 -speed Automatic Turntable with high performance ceramic stereo cartridge and diamond stylus; matching turntable base; and 2 popular, best-selling Lafayefte criterion 50A 2 -way bass rellex, ducted port speaher systems with heavy-duty $8^{\prime \prime}$ "woofer and $3 y^{\prime \prime}$ " direct radiator tweeter in attractive, hand-rubbed oiled walnut linish enclosures for horizontal or vertical placement. Complete with speaker cable. Shpg, wt., 71 ibs. 21 F 93530wxM

Net 193.95


A deluxe 25 watt stereo system that everyone can enjoy! Consists of: the Lafayette Lh-75 25 -watt Solic state AM-FM Stereg Receiver with full capability for fine stereo broadcast reception and stereo reproductien; Carrard Model 30 4-Speed Automatic Turntabte with oversized turntable, ceramic stereo cartridge and tong-life dlamond needie; Matching lase for turntable; and 2 Lafayette Criterion 77 fine performing 3 speaker 3 -way acoustic suspension 30 -watt bookshelf speaher systems, each system with in acoustic suspension $812^{\prime \prime}$ woofer, a $31 / 2^{\prime \prime}$ midrange, a $1212^{\prime \prime}$ direct radiator type tweeter. Housed in handsome oiled walnut finished enclosure.
21 F $9354 \mathrm{~B}^{\mathrm{W}} \mathrm{XM}$ Shpg. wt., 69 lbs.
Net 211.95

## arayette

## 160-Watt Stereo Systems

 with LA-125TA SAVE 47.85From Individual Catalog Prices


## 100-Watt Stereo Phono Systems with LA-750



## (A) Feature-Packed 100.Watt Stereo Phono Systems

A 100 -waft stereo phono system that features the Lafayette La-750 100 -watt Selid State Stereo Amplifier; Garrard model 40 B 4 -Speed Automatic Turntable with attractive matening base; Pickeriag P/ATE-1 Elliptical Cartridet with high compliance diamond stylus; plus 2 Lafayette Criterion $50 A$ popular 2 -way bass reflex ducted-port speaker systems with heavy duty $8^{\prime \prime}$ woofer and $312^{\prime \prime}$ cone type direct radiator iweeter in decorative oiled-walnut finished enctosures. Complete with speaker cable. Shpg. wt., 70 lbs . 21 F $\$ 3621$ wx
Same as above but with Shure M44E elliptical stereo cartridge.
21 F $\mathbf{3 3 6} 39$ WxM Shpg. wt. 70 lbs.
Net 175.95
Net 175.95
Same as above but with Empire soEE/X elliptical stereo cartridge. 21 F 93647 WXM shpg. wt., 70 lbs.

Net 175.95

## Selected 100-W att Stereo Phono Systems

This specially matched system includes the Lafayette LA. $\mathbf{7 5 0} \mathbf{1 0 0}$. Watt Selid State Stereo Amplifier; Carrard Model 408 4-Speed Automatic Turatable with matching base; Pickering P/ATE-1 Elliptical Steres Cartridge; and features 2 Lalayette Criterion "0mni-1" 5 -speaher decorator-styled thin-line omnidirectional speaker systems with $8^{\circ}$ woofer, $4-343^{\circ}$ closed-back iweeters and a unique $360^{\circ}$ acoustic deflector housed in a handsome olled. wainut enclosure. With speaker cable.
21 F 92359 wxim Shpg. wt., 82 bs.
Net 193.55
Same as above but with shure m44E elliptical stereo cartridge. 21 F $\mathbf{9 2 3 6}^{236}$ WX M Shpg. wt., 82 lbs. Same as above but with Empine soEE/X elliptical stereo cartridge. 21 F 93E54WXM Shpg. wt., 82 lbs.


Deluxe 100-Wate Stereo Phono Systems
An exceptionality fine performing deluxe stereo system that inciudes the Lafayetfe L. 7 . 0 100-Watt Solid State Stereo Ampllfier; Garrard Madel 408 4-Speed Automatic Tirntable with matchins base; Pichering P/ ATE.i Elliptical Stereo Cartridge; and 2 Lafayetie Crlte rien 150 A 3 -way acoustic suspension speaher systems, each with atr-suspended $10^{-}$woof. er whith 242 ib. magnet. $3^{\prime \prime}$ cone-type mid-range and lower high frequency driver. $1 \mathrm{M}^{\prime \prime}$ aluminum cone super tweeter, and high frequency level control in pich, hand-rubbed oifed-walnut finished enclosure. Complete with speaker cable. 21 F 93662 wxM Shpg. wt., 70 lbs.

Nel 229.95 Same as above but with Shure M44E elliptical stereo cartridge. 21 F 93670 wxM Shpg. wt.e 70 lbs.

Net 229.e5 Same as above but with Empire goE $/ \bar{\chi}$ elliptical stereo cartridge. 21 F 93688 wKM ShDg. wt., 70 lbs.

Net 229.95
Lafayefte Matehing Solid State AM/FM Steres Tuner Model LT-725. For Any of Above Systems. Shpg. wt., 10 lbs.
99 F 02164wx
Net 99.95
21 F $40267 W$ Dust Cover for Model 408 Turntable. Shipg. wt., 3 lbs.
Net 5.50


## (equyter

50-Watt Stereo Phono Systems with LA-324A

SAVE 34.85
From Individual Catalog Prices
$1399^{95}$
No Money Down*

## Budget-Priced 50-W att Stereo Phono Systems



SAVE 36.85
$157{ }^{95}$ case
From Individual
Catalog Prices

A budget-priced system with high performance, this Lafayette matched stereo system consists of the new Lalayette LA-324A 50-Watt Solid State Stereo Amplifier; Garrard Model 40 B 4.Speed Automatic Turntable with neatly designed matching base; Pickering P/ATE-1 Elliptical Stereo Cartridge with high compliance diamond stylus; and 2 lafayette Criterion 25 efficient 25 -Watt 2 -Way air-suspension speaker systems with $8^{\prime \prime}$ wooler, and $21 / 2^{\prime \prime}$ tweeter in decorative hand-rubbed oiled-walnut finished enctosure. With cable. Shog. wt., $471 / 4$ lbs.
21 F 93696WXM
Net 139.95
Same as above except with Shure M44E elliptical stereo cartridge. 21 F 93704 WXM Shpg. wt., $47 \mathrm{H} / \mathrm{lbs}$.
Same as above except with Empire 90EE/X elliptical cartridge. 21 F 93712 WXM Shpg. wt., $471 / 4 \mathrm{lbs}$.

## B Special 50-W att Stereo Phono Systems

Specially matched for impressive performance this stereo system features the Lafayette LA-324A So-watt Solid State Stereo Amplifier; the Garrard Model 4084 -Speed Automatic Turntable with matching base; Pickering P/ATE-1 Elliptical Stereo Cartridge; and 2 famous Lafayette Criterion 50 A 30 -Watt 2 -way bass reflex speaker systems with $8^{\circ}$ woofer and $31 / 2^{\prime \prime}$ tweeter in a handsome ducted port tuned hand-rubbed oled-walnut woofer and $31 / 2^{\prime \prime}$ tweeter in a handsome ducted port tuned, hand-rubbed olled.wainut finished enclosure. Complete with speaker cable. Shpg. wi., $671 / 4 \mathrm{lbs}$. 21 F 93720 WXM

Net 157.95
Same as above but with Shure M44E elliptical stereo cartridge.
21 F 93738 WXM Shpg. wt., 671/4 lbs.
Net 157.95
Same as above but with Empire 90EE/X elliptical stereo cartridge.
Net 157.95
ems

Our deluxe 50 -Watt stereo phono system consists ol the Lafayette LA-324A 50-Watt Solid State Stereo Amplifier; the Garrard Model 40 B 4-Speed Automatic Turntable with matching base; Pickering P/ATE-1 Elliptical Stereo Cartridge with diamond stylus; matching base, Piayette "OMNI-1" 30-Watt 5-speaker decorator-styled thin-line omni and features 2 Lafayette "OMNI-1" 30-Watt 5 -speaker decorator-styled thin-1ine omnidirectional speaker systems with $8^{\prime \prime}$ woofer. $4.31 / 2^{\prime \prime}$ closed back tweeters and unique $360^{\circ}$ acoustic deflector housed in handsome olled walnut finished enclosure. With cable. Shpg, wt., $791 / 4$ lbs.
21 F 93753 WXM
Net 175.95
Same as above but with Shure M44E elliptical stereocartridge.
21 F 93761 WXM Shpg. wt., $791 / 4$ Ibs.
Net 175.95
Same as above but with Empire $90 E E / X$ elliptical stereo cartridge.
Net 175.95


See Pages 17, 41-49, 68-71, 76,77 for full description of components on this page.

# LAFAYETTE FM Stereo Cassette Compact Systems Lafayette RK-570 FM Stereo Cassette Hi-Fi Music System 



- 17-Watt Solid-State Lafayette FM Stereo Receivert
- Lafayette Cassette Stereo Tape Recorder
- 4-Speed Mini-Automatic Stereo Record Changer

Play monaural and stereo records on the Mini-Changer. Listen to stereo and monaural FM radio broadcasts on the Receiver. Play stereo and mono cassette tapes on the Cassette Recorder, Record llve. Record your records while they play on the Mini Changer. Tape FM stereo and monaural broadcasts directiy off the airTHERE IS NOTHING ELSE TO BUY (but optional microphones) because you also get two superb sounding 2 -way speaker systems each containing a high compliance $5^{\prime \prime}$ woofer and a wide dispersion $3^{\prime \prime}$ tweeter. 17 -Watt solld state FM stereo receiver features powerful 28. -ransistor. 1 -FET, and 20 -diode solid state circuitry; FET frontand FM stereo tuner, FM stereo indicator light; stereo headphone lack; aux., input jacks and two external speaker output facks. Cassette stereo recorder has six pushbutton controls (Record, Re-

- Handsomely-Styled Oiled Walnut Wood Cabinetry
- Two Separate High Compliance 2-Speaker 2-Way Bookshelf-Type Speaker Systems
wind, Stop, Play, Fast Forward, and Pause for editing), 2 microphone input jacks, stereo/mono input selector switch, and record/playback Vu meter. a speed automatic minichanger plays all size records and intermixes $12^{\prime \prime}$ and $10^{\circ \prime}$ records of the same speed. Tone arm Is equipped with a furnover stereo cartridge with diamond IP needle Size control center. $203 / 4 W \times 141 / 4 \mathrm{D} \times 33 / \mathrm{g}^{\prime \prime} \mathrm{H}$ (overall helght to top of spindie, $7^{\prime \prime}$. Each speaker, $12 \times 7 \times 8^{\prime \prime \prime}$. Includes two $6 \cdot \mathrm{ft}$. connecting speaker cables and 60 -minute blank casselte. For 117 VAC .60 Hz . imported. $\ddagger 1 \mathrm{HF} \pm 1 \mathrm{db}$. Shpg. wt., 48 lbs. 99 F 99392 WXM No Money Down*

Net 899.95
Accessories For RK-570
24 F 09068W Tinted Plaslic Dust Cover, Wt., \& Ib
Net 7.95
Net 5.95

## Deluxe Lafayette RK-580 FM Stereo Cassette Music Center

- 65 Watt Solid-State FM Stereo Receiver
- Lafayette Cassette Stereo Tape Recorder
- BSR McDonald 500 4-Speed Automatic Stereo Turntable with Pickering Magnetic Cartridge
- Elegantly Styled Oiled Walnut Base Housing All Components

Magnificent integrated RK-580 FM Stereo Cassette Control Center will reproduce more music in more ways than you ever thought pos sible. The FM stereo receiver utilizes 2 IC's and an FET in the sible. The FM stereo receiver utblizes 2 IC's and an FET in the luner front-end section to assure outstanding selertivity and sensitivity. BSR McDonald 5004 -speed turntable features adjustable a low-mass tubular tonearm, automatic or manual selection of 7 , 10, and $12^{\prime \prime}$ records at $16^{2} / 3,331 / 3,45$ and 78 RPM, Cassette re. corder records "Ilve" with microphones or direct from the FM receiver or from the turntable. Front panel contains stereo headphone jack, stereo indicator light and FM tuning meter. Specifications: FM tuner: IHFM Sensitivity: $3 \mu \mathrm{v} ; \mathrm{HD}: 0.5 \% ; \mathrm{S} / \mathrm{N}$ Ratio: 60db at $100 \%$ mod. Amplifier: Output 65 watts $\pm 1$ db @ 4 ohms. Cassette: Freq. Response: $50-12,000 \mathrm{~Hz} ; \mathrm{S} / \mathrm{N}$ Ratio: better than 45 db ; Wow \& Flutter: less than $0.25 \% \mathrm{rms}$. For $110-120 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: $261 / 4 \times 101 / 2 \times 181 / 4 " \mathrm{D}$. Impoited. Shpg. Wt., 50 ibs.

| 99 F 46302 Dynamic Mike for RK. 580 . Wt., 1 Ib. | Net 299.95 |
| :--- | :--- | :--- | :--- | Heavy gauge, tinted plastic Dust cover (for record changer)

(ger) See Pages $92-95$ for Complete Listing of Compacts


The ultimate in compact solid-state high fidelity equipment

## ${ }^{\text {outr }} 299^{95}$

See Pages $\mathbf{4 3 . 4 6}$ for Speakers For RK-580

## LAFAYETTE Reel-to-Reel Stereo Tape Recorders

## Model RK-825 - OUR LOWEST PRICED QUALITY 4-TRACK STEREO RECORDER

## Model RK-835 4-TRACK SOLID STATE STEREO PUSHBUTTON TAPE RECORDER




- Two 600-Ohm Impedance - 2-Full Range $3^{\prime \prime} \times 5^{\prime \prime}$

Dynamic Mikes For Quality Recordings

- Tape Spill-Proof
- Tape Lifters

Speakers For Superb
Voice and Music
Reproduction

- Reel Hubs with Rubber Pads
- Stereo Headphone Jack

$109^{95}$
No Money Down"

Complete With 2-Dymamic Mikes 4-Connecting Cables 2-Rubber Reel Caps 7" Empty Take-up Reel

- 4-Track Stereo and Monaural Record/Playback
- 3-Tape Speeds-17/8, 34/4 and 71/2 IPS
- Sound-with-Sound - Stereo Headphone Monitoring
- 3-Digit Tape Counter with Reset Button

Feature Packed-"low-priced" stereo hi-fidellty tape recorder built for ease of operation. Solid-state circultry permits instant play, or record. Features: three speeds-17/3, 33/4, and $71 / 2 \mathrm{ips}$; aluminum die-cast tape transport chassis; 4 -pole Induction motor; single lever control for all tape transporf modes plus "Pause" for editing and cueing; illuminated VU meters for left and right channels; safety interlock button to prevent accidental tape erasures, plus Microphone and Auxillary input selector switch. Has 2-Microphone/ Auxiliary inputs; 2-extension speaker outputs plus stereo headphone jack. Takes $7^{\text {" }}$ reels. Housed in a handsome sturdy wood cabinet with attractive black leatherette cover. Frequency Response: $\pm 3 \mathrm{~dB}, 40-15,000 \mathrm{~Hz}$ at $7 \mathrm{H} / 2 \mathrm{ips} ; \pm 3 \mathrm{~dB}, 40-10,000 \mathrm{~Hz}$ at $33 / 4$ ips. Wow and Flutter: under $0.23 \% \mathrm{rms}$ at $7 \mathrm{~L} / 2 \mathrm{ips}$; under $0.35 \%$ at $33 / 4$ ips. Signal-to-Nolse: Better than 55 dB . Power Output: 5-watts maximum. Input Sensitivity: Mike, 0.5 mv ., for $0 \mathrm{VU}, 600$ ohms; Aux., 100 mv . Solid-state Circuitry: 10 -transistors, 4 -diodes, Has built-in accessory compartment and carrying handie. For $110-120 \mathrm{~V} ., 60 \mathrm{~Hz} \mathrm{AC}$. Size: $12 \mathrm{~W} \times 12 \mathrm{H} \times 7 \frac{1}{4}{ }^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., 22 bbs . 99 F 15687 wX No Money Down*

Net 109.95
$7^{*}$ Reet of Lafayette Mylar Base Recording Tape.
28 F 01066 Shpg. wt., $11 / 4 \mathrm{lbs}$

No Money Down*

Complete With 2-Dynamic Mikes, 4-Connecting Cables 2-Rubber Reel Caps 7"Empty Take•up Reel

- 1/s-Track Lamination Type Record/Playback Stereo Head
- 1/4-Track Double Gapped High Efficiency Erase Head
- Soundwith-Sound Sound-on-Sound
- 3-Tape Speeds-17/,37/4 and $71 / 2$ IPS
- Stereo Headphone Monitoring Facilities
- Record Direct From Record Player with Magnetic Cartridge

Designed to satisfy even the most critical music listeners, Can be operated either vertically or horizontaily, Records and playsback 4-track stereo and monophonic tapes. Features spill-proof single tape function Selector knob for 5 -modes of tape transport-Record, Stop, Run, Fast-Forward, and "Pause" for Instant editing and cueing; two large studio-type VU meters with pllot lights and Record mode indicator lights; individual Record safety buttons for left and right channels to prevent accidentar tape erasures; automatic shut-off at end of tape; automatic equatization for three tape speeds. Has input selector button for mic.. and Aux/Marnetic cartridge. Separate volume controls for both channels. 2 -Built-in $5^{\text {² }}$ speakers provide true hi.fi sound reproduction. Takes up to $7^{\prime \prime}$ reels, In black leatherette covered wood case with silver metal trim. Response: $\pm 3 \mathrm{~dB} 30-18,000 \mathrm{~Hz}$ at $71 / 2 \mathrm{ips}$. Wow and Flutter: Less than $0.18 \%$ rms at $71 / 2 \mathrm{ips}$. Signal-to-Noise: Better than 50 db . Bias \& Erase Frequency: 105 kHz . Power Output: 8 -watts maximum. Input Sensitivity: Mike, 0.15 mV ., for $0 \mathrm{VU}, 600 \cdot$ ohms; Magnetic Phono: 0.7 mV ; Aux (low) 100 mV . Aux (high) 500 mV . Outputs: External Amp: IV., to 2.5 V variable, Headphone and Speaker Imp.: 8 -ohms. For $105-125 \mathrm{~V}$., 60 Hz AC. Size: $153 / 4 \times 14 \times 7$ \%。" 0 . Imported. Shpg. wt., 27 lbs. 99 F15695WX No Money Down*

Net 149.95
$7^{\prime \prime}$ Reet of $1800^{\prime}$ Lafayette Mylar Base Recording Tape.
28 f 01066 Shpg. wt., $11 / 4$ lbs.
Net 2.14

## Fisher and KLH Stereo Hi-Fi Components

## NEW Fisher 701250 Watt 4 CHANNEL Stereo AM/FM Receiver

## $6009 \underbrace{95}_{\substack{\text { lesss } \\ \text { enclosure }}}$

## REPRODUCES:

- Conventional 2-channel stereo
- New 4 channel stereo CREATES:
- 4 channel sound from conventional 2 channel stereo
- Autoscan FM Touch Tuning
- FM Stereo Beacon


## - Advanced Solid State Circuitry

Compatible Two and 4 channel solid state AM/FM Stereo Receiver. Reproduce conventional 2 -channel stereo and HEW 4 channel stereo. Also creates 4 channel sound from conventional 2 channel program material. The 701 has 4 tape recorder outputs, and 4 tape monitor inputs. Simultaneous monitoring and recording of tapes is possible on all 4 channels. The 701 has 3 methods of tuning: (1) Autoscan FM Touch Tuning-Automatic FM Station Scanning (2) Remote Control Autoscan Tuning with optional Rh40 Remote control unit, (3) Manual Flywheel Tuning. Baxandall Tone Controls work on the front, rear, or both channels to provide full tonal balance, The 701 can drive any 4 speakers in the main listening area, as well as 4 speakers in another room giving you 4 channel stereo


- 4 Tape outputs, 4 Jape Monitor Inputs
- Main, Remote, Main and Remote Speaker Selector
- Separate Front and Rear Speaker Volume Controls


## in any 2 rooms of your home. Separate volume controls for both

 front and rear channels. Specifications: 250 watts $\pm 1 \mathrm{db}$ Muslc Power total for 4 channels. RMS: $40 / 40 / 40 / 40$ watts per channel. Power Eandwidth: $20.25,000 \mathrm{~Hz}$. FM Tuner Sensitivity: $1.7 \mu \mathrm{~V}$, $\mathrm{S} / \mathrm{N}$ Ratio: 66 db ; FM Stereo Separation 36 db : AM Tuner Selectlvity 50 db . Mag. phono input sensitivity: 2.7 mV . Aux. Sensitivity Aux 1 and Aux $2,200 \mathrm{mv}$ Front pane 1 stereo Headphone jack. Sjze:
21 F 33726WX No Money Down*
Net 699.95
21 F 33734W Walnut Enclosure for 701 Shpg. wh, 7 lbs. Net 24.95 21 F 33742 RK40 Remote Control Unit Shpg. wt., 1 tb. .-Net 9.95

## Deluxe KLL Model 27 Solid State 90 Watt AM/FM Receiver


with ailed walnut side panels

Professional AM/FM Stereo Receiver designed to provide complete control facluities needed for full enjoyment of music at home. The receiver wlll power two stereo pairs of speakers together or separately. It has front panel headphone jack, tape Inputs and outputs and a tape monitor switch. Tuning ease is also aided by a tuning meter that serves as a "zero center" indicator for FM and a signal-strength meter for AM. Specifications: Amplifier Section: Music Power: 90 Watts @ 8 ohms. RMS: $30 / 30$ Watts @ 8 ohms. Power Bandwidth: 20-20,000 Hz. Sensitivity: Phono (Figh and Low) 1.2 mV and 3.5 mV . Auxiliary (High, Medium, Low) 110 $\mathrm{mV}, 400 \mathrm{mV}, 1.1 \mathrm{~V}$. FM Tuner Section: Usable Sensitivity: 1.9 $\mu \mathrm{v}$. Stereo Separation at $1 \mathrm{kHz}: 35 \mathrm{db}$. All solid state. FM FET Front End; 5 -stage IF section; multiplex noise fliter For 117 VAC 60 Hz . Size $131 / 4 \times 44 / 8 \times 15^{\prime \prime} \mathrm{D}$. Shpg. wt., 22 lbs .
21 F 44269wx No Money Down*


- Output-90 Watts Music Power
- FM Stereo Indicator Light
- Separate Vernier Planetary Tuning For FM and AM
- Main, Remote, Main and Remote Speaker Selector
- Tape Monitor Switch


## KLL Model 18 FM Stereo Tuner

## $129^{95}$

in handsome hand-rubbed
wainut cabinet

- FM Signal Strength Meter
- FM Stereo Indicator Light

Compact, complete transistorized FM Stereo Tunet measures only $9 \times 41 / 8 \times 51 / 2^{\prime \prime}$. Handsome anodized sllver front panel contains volume control combined with an on/off switch, mono/stereo selector, Multiplex filter switch and a large direct drive FM tuning dial. Also has FM tuning strength meter and FM stereo indicator light. Specifications: Sensitivity: $1.9 \mu \mathrm{~V}$, Full limiting-less than 10 mV ; Capture Ratio: 3 db , Vernier Tuning. 300 ohm antenna termi. nals. 2 stereo line out. Size: $9 \% / 10 \mathrm{~W} \times 43 \mathrm{~m}^{\prime \prime} \mathrm{H} \times 53 / \mathrm{y}$ "D. For 117 VAC 60 Hz . Shpg. wt., 6 lb.
21 F 44228 W No Money Down*
Net 129.95

# 丞 Fisher Solid State Stereo Hi Fi Receivers 

Model 450T 180 WATT FM/AM STEREO TUNER Model $500 T \mathrm{TX} 200$ WATT AM/FM STEREO RECEIVER


- RK40 Remote Tuning Control
- AutoScan Touch Tuning
- Separate Main and Remote Speaker Switches
- Pushbutton Memory Tuning

A truly fine performing receiver with a vast array of features. Three methods of funing: AutoScan FM touch tuning-electronically scans FM funing dial, Remote control FM station selection by means of optional accessory RK40 TunIng control with 20 ft . of cable (included) plugged into the Autoscan circuit, and Manual flywheel tuning across the entire AM and FM bands. FM stereo Beacon Indicates when an FM program is being broadcast in stereo. Baxandall Tone Controls, Tape Monitor, separate Main and remote speaker switches, FM muting switch, two recorder outputs per channel, stereo Neadphone jack. Specifications: FM Tuner Section-Sensitivity: 2.0 uV ; Harmonic Distortion: $0.5 \%$; Signal-To-Noise: 65 db ; Stereo Separation: 38 db ; Capture Ratio: 2.5 db ; AM Tuner Select ivity: 50 db ; Power Output: 180 watts $\pm 1 \mathrm{db}$ at 8 ohms, 1HF power $-65 / 65$ watts at 8 ohms, RMS Power- $55 / 55$ watts at 8 ohms Power Bandwidth: 10 to $30,000 \mathrm{~Hz}$. Sensitivity: Phono Low, 2.5 mV . Phono High, 7.5 mV , Aux., 250 mV ; Monitor, 160 mV . For 117 VAC 60 Hz ., Size: $151 / 2^{\prime \prime} \mathrm{W} \times 45 / 0^{\prime \prime} \mathrm{H} \times 141 / 4^{\prime \prime} \mathrm{D}$.
21 F 33684 WX No Money Down*. Shpg. wt., 25 lbs. _... Net 399.95 21 F 01608 W Walnut Cabinet for 450 T . Shpg. wt., 7 lbs. - Net 22.95

$499{ }^{35}$
Less Enclosure

- Pushljutton Memory Tuning
- AutoScan Touch Tuning
- AutoScan Remote Tuning with Optional Adapter
- 5-Way Speaker Selector

Fisher's finest solid state AM/FM recelver. Features 3 methods of tuning: Autoscan touch tuning which electronically scans the tuning dial, converting the signal strength meter to a frequency indicator whenever you press the AutoScan buttons; Tune-0-Matic Pushbutton tuning which permits you to preset 4 separate FM dials to your favorite FM stations; and conventional flywheel tuning. Improved sensitivity and selectivity are provided by the use of a crystal if filter and a ceramic ladder filter. Specifications: FM Tuner-Sensitivity, $1.7 \mu \mathrm{v}$; Signal/Noise, 65 db ; Stereo Separation, 38 db ; Capture Ratio 1.5 db . AM Tuner Selectivity: 80 db . Power Output: 190 watts $\pm 1$ db @8 ohms; 75.75 watts IHF dynamic music power; 65/65 watts RMS power. Overall Frequency Response: $20-25.000 \mathrm{~Hz} \pm 1.5$ db ; Power Bandwidth: $8-35,000 \mathrm{~Hz}$. Sensitlvity: Phono, low, 2.5 mv Phono high, 10 mv ; Aux., 250 mv . For 117 VAC 60 Hz . Size: $41 \%, \mathrm{H} x$ $167 / \mathrm{sW} \times 141 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., 33 lbs .
21 f 33536WX No Money Down*
Net 499.95
21 F 01616 W Walnut Cablnet For 5007X. Wt., 7 lbs.
Net 22.95 RK- 30 AutoScan Remote Control for 500 TX . Shpg. wt., 2 lbs . 21 F 33619

Model 202100 WATT AM/FM STEREO RECEIVER


## $249^{95}$

less

- Tape Monitoring Facilities
- 4 Way Speaker Control
- FM Tuning Meter
- Stereo Headphone Jack

Moderately priced AM/FM stereo Recelver featuring 100 watts music power, tape monltoring facilities, muting, mono/stereo modes of operation, lighted program selector, Baxandall feedback clrcult for bass and treble, and main, remote, main and remote speaker selector. Specifications: FM Tuner Section-IHF Sensitivity: $2.5 \mu \mathbf{V}$; Harmonic Distortion: $0.6 \% ; S / N$ ratio: 64 dB ; FM Stereo Separation: 35 dB; AM Tuner Section - Selectivity: 44 oB; Ampllfier Section: Music Power: 100 Watts $\pm 1 \mathrm{db}$ at 8 ohms; IHF Power at 8 ohms: $40 / 40$ watts; RMS Power at 8 ohms: $28 / 28$ watts; Power Bandwidth IHF: 25 to $20,000 \mathrm{~Hz}$; Sensitivity: Phono Low: 2.5 mV , Phono High: 8 mV . Aux
 $141 / 4{ }^{\circ} \mathrm{D}$. Wt, 20 lbs. For 117 VAC 60 Hz . 21 F 33692 WX No Money Down*-Net 249.95 Walnut Cabinet for 202. Shpg, wt. 5 los. 21 F33700w

## NEW Model 210T 110 WATT AM/FM STEREO RECEIVER



## 29995

enclosure

- FM Stereo Beacon
- Automatic Mono/Stereo Switching
- Tape Monitor Facilities
- Separate Main \& Remote Speaker Switches
Solld State AM-FM Stereo Receiver incorporating an extremely sensitive FM Tuner with IC's and a high power 110 watt music power amplifier. Features: Automatic FM stereo switching, Baxandail Tone controls, front panel stereo headphone jack, separate main and remote speaker switches, and muting switch. Speciflcations: FM Tuner Section-IMF sensitivity: $2.0 \mu \mathrm{~V}$; FM Stereo Separation: 35 dB , AM Tuner Section Selectivity: 50 db , Amplifier Section: Mustc Power: 110 watts $\pm 1 \mathrm{db}$, IHF Dynamic Power ( 8 ohms): $45 / 45$ watts, RMS Power $33 / 33$ watts, (8 ohms) Power Bandwidth IMF: 25 to $25,000 \mathrm{~Hz}$.; Input Impedance: Phono Low: 50 K ohms; Auxiliary: 150 K ohms. Size:
 $152 / 2 \mathrm{~W} \times 42 \mathrm{H} \quad \mathrm{HI}$.
21 F 33676 WK No Money Down Net 299.95 Wainut Case For 210 T , Shpg. wt., 7 lbs . 21 F 33452 W

NEW Model 250TX 120 WATT AM/FM STEREO RECEIVER


## - 045 <br> less enclosure

- Tune-0-Matic Pushbutton FM Tuning
- FM Stereo Beacon
- Automatic Mono/Stereo Switching
- Separate Main \& Remote Speaker Switches
Tune-O.Matic Memory Tuning Instantly selects any one of your 5 favorite FM statlons. Five separate tuning mechanisms are controlled by 5 pushbuttons coupled to indlvidual dal faces. Complete Tape monitoring facilities, separate speaker switches, Baxandall tone controls, and front panel stereo headphone jack. Specifications: FM Tuner Section-IHF sensitivity; $2.0 \mu \mathrm{~V}, \mathrm{FM}$ stereo separation: 38 db , IHF capture ratio: 2.8 db , AM tuner sectlon: selectivity: 50 db Amplifier section: Music power: 120 watts $\pm 1$ db at 8 ohms) IHF power: $48 / 48$ watts at 8 ohms, $35 / 35$ watts, RMS power at 8 ohms, Power bandwidth $1 \mathrm{HF}: \mathbf{2 0 . 2 5 , 0 0 0} \mathrm{Hz}$, Input impedance: Phono Low: 50 K ohms, Auxiliary: 220 K ohms. Size: $151 / 2^{\prime \prime} \mathrm{W} \times 45 /{ }^{\prime \prime} \mathrm{H} \times$ 123/4"D. Shpg. wt.. 20 lbs.
21 F 3368 bwx No Money Down ${ }^{\circ}$. Net 349.95 Wałnut Case for 2507X, Shpg. wt., 7 lbs. 21 F 33452W


# 式 Fisher <br> Stereo Systems, Amplifiers and Accessories 

HI-FI COMPONENTS

## N EW/ Model TX-50 65-Walt Stereo Control Amplifier



- 4-Way Speaker Selector: Main, On/Off; Remote, On/Off - Front Panel Headphone Jack

Incorporates all silicon Solid-State circuitry. Features TransistoGard overload protection circult. Provides a full complement of controls plus full tape and phono facilities. Loudness contour switch restores natural tonal balance at low and high potume levels. High irequency filter switch eliminates annoying high frequency noise. Transis-0-Garde overload protective circuitry. Has front panel headphone jack with complementary speaker sllencing switch for easy private of room Ilstening. 4-way speaker switch selects main, on/oft and remote, on/off. Goid plated die-cast front panel. Power Output: 65 watts $\pm 1$ db at 8 ohms: Harmonic Distortion: $0.5 \%$ at 1 kHz . Power Bandwidth: $25 \cdot 25,000 \mathrm{~Hz}$, at 8 ohms, Stereo Separation: better than 45 db . Hum and Noise: -85 db . For 117 Volts AC 60 Hz .

21 F 33585 WK No Money Down*
Net 149.95
21 f 364t4W Oiled Walnut Cabinet. Wt., 6 Ibs.
Net 22.95

Quality 110 Watt Fisher-Lafayette Garrard AM/FM Stereo Music System Featuring Madel 210 Receiver


Fisher 210 T
Enjoy beautlful stereo music reproduction from this quality stereo music system featuring: Fisher 210T 110 Watt AM/FM stereo receiver (less cabinet), Garrard 4084 -speed automatic record changer with base, Pichering P/ATE-1 stereo elliptical cartridge, and 2 Lafayette Criterion 150A 3 speaker 3 way acoustic suspenslon bookshelf systems in handsome hand rubbed oiled walnut. Nothing else to buy. System is complete with all necessary hook-up cable and instruction booklets. Shpg. wi., 80 lbs.
21 F 33718 WXM
Net 399.95

Famous K-10 "Spacexpander" Electronic Reverberation System
Recreate Concert Hall Listening In Your Home


Add concert hall realism to your listening area. Supplies the reverberation normally heard in an acoustically perfect concert hall. Samples sound output from amplifier, and re-injects the same sound after a short time delay thus adding the reverberation effect. May be used with any mono or stereo home music system using separate preamplifiers or tape monitoring faclil. ties, Connects to any signal from 0.2 to 5.0 volts. Simple to operate and easy to install. Tubes: 2-12AX7, 1-7247 plus a selenium rectifier. Size $9 \%$ Lxl ${ }^{3}$, Wix67/8"H. Shpg. wi., 8 lbs. 21 F 36505 No Money Down*

Deluxe 200 Watt Fisher-Lafayette-Garrard AM/FM Stereo Music System Featuring Model 500TX Receiver


Fisher 500TX
Selected for the audio connoisseur-Spectacular performance from this outstanding stereo system featuring: Fisher 5007X 200-watt AM/FM stereo receiver (less cabinet), Garrard SL 728 Synchro-lab 4-speed automatic turntable with base, Pickering V15/ATE-3 elliptical cartridge, and 2 magnificent Latayette Criterion 806 -speaker 4 -way acoustlc suspension consolette speaker systems. Nothing else to buy. System is complete with all necessary hook-up cable and Instruction booklets. Shpg. wt., 170 lb : 21 F 33643WXM

Net 789.95

## Professional Solid State Components by N/yNaca

PAT- 4 STEREO PRE-AMPLIFIER KIT


| PAT-4 | PAT-4 |
| :---: | :---: |
| KIT | WIRED |
| No Money Down | No Money Down |

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

Deluxe solid state stereo pre-amplifier offering complete control facilities for any conceivable stereo or music system source. Features exclusive "Dyna Tone Control Circuit" to assure truly flat response (Patent Pending). Also features a switch selected high frequency filter @ 7,10 , and 15 kHz . Plus flat position. SPECIFICATIONS: Freq. Response: $\pm 0.5 \mathrm{db}$ from 10 to $100,000, \mathrm{~Hz}$. Marmonic Distortion less than $0.05 \%$ at 2 volts output between 20 Hz and $20,000 \mathrm{~Hz}$. IM: less than $0.5 \%$ at 2 volts output; Tone Control Range $\pm 12 \mathrm{db}$ at 50 Hz and $10,000 \mathrm{~Hz}$. Noise: less than 2 my .8 silicon Transistors, 2 diodes. For 120 or 240 volts 50 or 60 Hz . Shpg. wt. 9 lbs. Size: $131 / 2 \times 41 / 4 \times 88^{\circ}$
21 F 23255 W PAT-4 Kit.
Net 89.95
21 F 23263W PAT-4A Factory Wired and Tested
Net 129.95

# Quality dunaca High Fidelity Components 

PAS-3X STEREO PREAMPLIFIER KIT


Top-performing stereo preamp for use with high quatity basic ampllfiers includes two independent high gain, low noise preamplifiercontrol channels. All critical circultry is pre.assemblec on 2 printed circuit boards. Features "Dyna-Blend" for variable channel separathon, DC heated tube filaments. Inputs: 3 stereo low level and 4 stereo high level. Frequency response: $\pm 0.5 \mathrm{db} 10-40.000 \mathrm{~Hz}$. Distortion: less than. $05 \%$. Noise less than $2 \mu \mathrm{v}$. Gain, 60 db at 1000 Hz on RIAA, 20 db on high level. For $110-120 \mathrm{~V}$., $50 / 60 \mathrm{~Hz}$. Deluxe gold panel. Size $131 / 2 \times 41 / \times \times 8^{\prime \prime}$. Shpg. wt., 11 lbs.
21 F 23016 W PAS-3X kit. No Money Down* 21 F 23024W PAS-3XA Wired. No Money Down.

Net 69.95 Net 109.95
"STEREO 70" 70-WATT STEREO BASIC AMPLIFIER KIT


The stereo 70 provides outstanding reproduction, firm bass, and smooth natural highs. Delivers 35 -watts per channel. Frequency resmooth natural highs. Delivers $35-w a t t s$ per channel. Frequency re-
sponse: $\pm 0.5 \mathrm{db}$ from 10 Hz to $40,000 \mathrm{~Hz}$. M disfortion: Iess than $1 \%$ at 35 watts. Sensitivity 1.3 volts ms input for 35 watts output Hum and Noise: better than 90 db below rated output Output im pedance: 4. 8 and 16 ohms. Nickel-finished chassis; vinyl coated charcoal brown cover. For $110-120 \mathrm{~V} 50 / 60 \mathrm{~Hz} \mathrm{AC}$. Size: $13 \mathrm{~W} \times 61 / \mathrm{Hx}$ $9^{\prime \prime} \mathrm{D}$. Shpg. wt., 32 lbs .
21 F 23032W. Stereo 70 Kit. No Money Down*
Net 99.85
Net 129.95

## SELECTED OYNAKIT COMPONENTS

MODEL "STEREO 35" BASIC STEREO AMPLIFIER KIT. 17.5 watts RMS each channel. Response: $10.40,000 \mathrm{~Hz} \pm 1 \mathrm{db}$. For 110.120 VAC 60 Mz . Size: $13 \times 51 / 2 \times 4^{4 H}$. Shpg. wt., 16 lbs.
21 F 23156W Kit
Net 59.95
MODEL FM-I FM TUNER KIT. Tuner RF input provides $4 \mu \mathrm{v}$. sensitivity. For 110.120 VAC 60 Hz . Size: $13 \times 4 \times 8^{\prime \prime}$. Wt., 12 lbs .
21 F 23057 W Klt
21 F 23057 wl K
Net 74.95
21 F 23065w wired
Net 109.95
MOOEL FMX-3 MULTIPLEX INTEGRMTOR KIT. Fits Into chassis cutout of $F M \cdot 1$ and converts it to fully automatic stereo reception when multiplex is broadcast. Shpg. wt., 3 lbs.
21 F 23511
Net 29.95
PAM-1 MONO PREAMPLIFIER KIT. Full flexlbility for all input sources. Responses $\pm 0.5 \mathrm{db} .10 \mathrm{~Hz}$ to 40 kHz . IM dist.: less than $0.05 \%$ at $2 V$ output. $12 \times 6 \times 3$. Shpg. wt., 7 lbs.
21 F 23529 Kit
Net 34.95
21 F 23537 Wired
Net 59.95
MARK IV 40 -WATT MONO BASIC AMPLIFIER KIT. Ideal match for PAM. 1 Preamps. Response: $\pm 0.5 \mathrm{db}$ from $10-40,000 \mathrm{~Hz}$. IM dis. tortion: Less than $1 \%$. With cover $14 \times 5 \times 7{ }^{\prime \prime} \mathrm{H}$. Shpg. wt., 20 Jbs . 21 F 23131w Kit

Net 59.95
21 F 23149w Wired
Net 79.95

## Acoustic Research Solid State Hi-Fi Components

## 120 WATT SOLID STATE STEREO AMPLIFIER



- Power Output 60 Watts RMS per channel

Deluxe stereo control preamplifier and power amplifier. All silicon solld state circultry. Special OC driver clamping circuit to provide very clean clipping and rapid recovery from overloads. This fea. lures increases the usable dynamic range by keeping sound clean at very high power levels. Response: $20-20,000 \mathrm{~Hz} \pm 1 \mathrm{db}$ at full power of below. Distortion is less than $0.5 \%$ from $20-20,000 \mathrm{~Hz}$ up to full power. Input sensitivity: phono circuit- -2 mv . to 5 mv . (ad. justable), tape playback and tuner inputs-200 mv . for full power output. Self-resetting, thermostatic circuit breakers for both channels. plus speaker fuses. For $110-120$ volts $A C, 60 \mathrm{~Hz}$. $151 / 6 \times 4 \% / 210^{\prime \prime}$ ShDg. wt., 28 lbs.
21 F 72666 WX
Wood cover for AR amplifier. Shpg. wt., 4 los.
21 F 72674W
Net 250.00
Net 15.00


- Power Output 60 Watts RMS per channel

The AR silicon solld state FM receiver is an integrated stereo FM tuner, stereo preamplifier and power amplifier, mounted on one chassis. FFI front end with 4 -section capacitor, multisection crystal IF filter. IC IF ampliflers, and $2 \mu V$ sensitivity insure superb FM reception. Power output: 60 watts rms @ 4 ohms. Also has selfresetting themmostatic circuli breakers in both channels, individual bass and treble controls for each channel, tape monitor and speakerheadphone switch. Outputs for tape recorder, center channel, headphone, and 4.16 ohm speakers. Jor 110.120 VAC, 60 Hz . Size: 171/4Wx6Hz111/9"D.
21 F $72799 w x$ Shpg. wt., 32 los.

-     + Net 420.00

21 F 72807w Shpg. wt., $51 / 2 \mathrm{lbs}$.
Net 20.00

# EICO Cortina Hi-Fi Components-Kit or Factory Wired 

 NEW CORTINA 3080 SILICON SOLID-STATE 50-WATT STEREO AMPLIFIER

- Delivers 50 Watts $\pm 1 \mathrm{db}$ at 40 hms
- Full Complement of Controls For Every Source
- Front Panel Stereo Headphone Jack

Extremely compact, "Iow silhouette" design. Output: 50 -watts $\pm 1 \mathrm{db}$ @ 4 ohms. Response: 20 to $20,000 \mathrm{~Hz}$ $\pm-3 \mathrm{db}$. Separation: 45 db . Sensitivity: Mag. Phono 3.8 mV : Aux., and Tape 300 mV . Impedance: Mag phono 47 K ; Aux., and Tape 100 K ohms. Power Bandwidth: 20 to $30,000 \mathrm{~Hz}$. Dutput Imped, 4-16 Ohms. Includes vinyl clad metal cabinet. For $105 \cdot 130 \mathrm{VAC}$., $50 / 60 \mathrm{~Hz}$. Size: $31 / \mathrm{x}$ $12 \times 65 \mathrm{~s}^{\prime \prime}$. Shpg. wt., 9 lbs.
21 F 26001 w Model 3080 Kit
21 F 26019WX Model 3080 Wired
Net 109.95

# NEW 

CORTINA 3300 SILICON SOLID-STATE FET AM/FM STEREO TUNER

- Pre-Assembled and Pre-Aligned RF, IF and MPX Sections
- Perfect Companion T0 "Cortina 3080"

Stereo Amplifier - Stereo Indicator Light
Advanced FET wideband circuitry for maximum sensitivity, selectlvity, separation and stablity. Outputs for direct "off-the-air" tape recording. Features disap. pearing black tuning dial. Specification FM SECTIONSensitivity (IHF): $3.5 \mu \mathrm{~V}$. Harmonic Distortion: less than $1.75 \%$. Capture Ratio: less than $4 \%$. S/N Ratio: 60 db . Stereo Separation: 33 db @ 1 kHz . AM SECTIONUsable Sensitivity (iHF): $200 \mu \mathrm{~V} / \mathrm{m}$. S/N Rallo: 45 db . Selectivity: 30 db . Includes vinyl metal cabinet. Size: $31 / 8 \times 12 \times 65 / 8^{\prime \prime}$. Shpg wt., 6 lbs .
21 F 26027 W Model 3300 Kit
Net 69.95
21 F 26035 WX Model 3300 Wired
Net 109.95

## NEW CORTINA 3780 SILICON SOLID-STATE 50-WATT AM/FM STEREO RECEIVER <br> - All Silicon Audio Amplifier Section Delivers 50 . Watts $\pm 1 \mathrm{db}$ at 40 hms

- Pre.Assembled and Pre-Aligned RF, IF and MPX Sections
Feafures time switching multiplex tuner circuit, plus FET and all sillicon solid-state circuitry. FM SECJIONSensitivity (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: $\mathbf{3 . 8} \mathrm{mV}$ mag. phono; 300 mv all others. Input Impedance: 47 K mag. phono $; 100 \mathrm{~K}$ all others. Output Impedance: $4-16$ ohms. For $105-130 \mathrm{VAC}$., $50 / 60 \mathrm{~Hz}$. Size: $4 \times 161 / 2 \times 9^{1 / \mathrm{g}^{\prime \prime} .}$ Shpg. wt, 14 lbs . 21 F 26043wX Model 3780 Kit

Net 109.95 21 F 26050 Wx Model 3780 Wired

Net 169.95

## CORTINA 3070 SILICON SOLID-STATE 80-WATT STEREO AMPLIFIER



- 80 Watts $\pm 1 \mathrm{db}$ at 4 ohms
- Complete Control Facilities: Tape Monitor, Loudness Contour, Low and High Cut Filters, Balance Control ard Speaker Systems Switch
"All Sllicon Solid State Design" offers powerful performance and true-10-llfe sound. Delivers 40 watts of continuous power per channel $\pm 1 \mathrm{db}$ at 4 ohms, 35 watts IHF @ 4 ohms. Frea. Response: $5 \cdot 100,000 \mathrm{~Hz}+1.5 \mathrm{db} ; 8 \cdot 60,000 \mathrm{~Hz}+0.5 \mathrm{db}$. Hum and Noise: 72 db below rated output. Input Sensltivity: 4.2 mv on magnetic phono; 270 mv on auxiliary, tuner and tape. Input Impedance: 47k ohm on magnetic photo; 110k minimum on other inputs. Danish walnut vinyl clad case. For $105 \cdot 130 \mathrm{~V} 50 / 60 \mathrm{~Hz} \mathrm{Ac}$. Size $3 \varphi /{ }_{28} \times 12 \times 8$ "D. Shpg. wt. $12 \frac{1}{2}$ lbs.
21 F 25375W Model 3070 KIt. No Money Down*
Net 99.95 21 F 25383 WK Model 3070W

CORTINA 3770 SOLID-STATE 80.WATT AM/FM STEREO RECEIVER

## KIT

 $189^{5}$ With Cabinet WIRED 27995 With Cabinet- All Silicon Audio Amplifier Section Detivers 80 watts $\pm 1 \mathrm{db}$ at 4 ohms
- 5 Tuned RF Circuits, 4-Stage Double Tuned IF Circuits
- Automatic Switching Between FM Mono and FM Stereo Deluxe receiver delivers fine stereo performance as well as excellent noise-free FM and AM reception. Features precision D'Arsonval tuning meter and switchable AFC. FM channel separatlon more than 40 db . FM sensitivity is $5 \mu v$ for 30 db quieting. Amplifier frequency response; $8 \cdot 60,000 \mathrm{~Hz}, \pm .5 \mathrm{db}$. Hum and noise; 72 db below rated output. FM tuning section is pre-aligned and pre-assembled. Power output: 80 watts $\pm 1 \mathrm{db}$ @ 4 ohms, 70 watts IHF @ 4 ohms. Danish walnut-vinyl-clad cabinet. For $105-130$ VAC, $50 / 60 \mathrm{~Hz}$. Size: $16 \times 9 \times 4^{\prime \prime}$ Shpg. wt. 20 lbs.
21 F 25680 wx Model 3770 Kit. No Money Down ${ }^{\text {" }}$
Net 189.95 21 F 25698 wx Model 3770 wired. No Money Down* Net 279.95


# FICD Color Organs, Translators \& Strobe Lights <br> <br> EICO FREQUENCY SYNCHRONIZED SOUND N' COLOR <br> <br> EICO FREQUENCY SYNCHRONIZED SOUND N' COLOR AUDIO COLOR ORGANS 

 AUDIO COLOR ORGANS}

KIT OR FACTORY WIRED

## AS LOW AS $49^{95}$ No Money Down*

- Easily Connects to Speaker Leads
- A New Dimension to Hi.Fi Sound
- Watch the Music You Love Spring to Life As a Vibrant Interplay of Colors
- Individual External Color-Crossover Controls for Precise Color Mixing


Model 3440


Model 3445


Model 3450

Model 3440-3-Color Frequency (red, blue, and green) Electronic Audio Color Organ. Size: $15 \times 10 \times 66^{\prime \prime}$. Shpg. wt., $164 / 4 \mathrm{lbs}$. 21 F 25722 W Model 3440 Kit
21 F 25730 W Model 3440 Wired
"SOUND N' COLOR" Audio/Color Organs-All-electronic solid state Madet 34e5-4.Color Frequency (red, blue, green, and yellow) Elecsystems which provide true frequency synchronization of sound with tronic Audio Color Organ. Size: $24 \times 12 \times 10^{\prime \prime}$
color. See every tone, every note, every comblnation of Instruments 21 F 25862W Modet 3445 Kit

Net 64.95 create its own vivid pattern. These devices electronically convert 21 F 25870 W Model 3445 Wired Net 99.95 music into colored light. The color (hue) is controlled by the pitch Deluxe Madel 3450 - 4 -Color Frequency (red, blue, green, and (frequency) of the music, and the brightness by the loudness of each yellow) Electronic Audio Color Organ with exclusive solid-state frequency band. EICO Audio/Color Organs are available in both 3 and adjustable active filters for positive switching of colors. 4 color frequency models and in various sizes. Attractive walnut Size: $30 \times 15 \times 11^{\prime \prime}$. zrain cabinet with shatterproof plastic front, Comes in kit or 21 F 2588 WX Model 3450 Kit factory wired. For 117 VAC . 60 Hz .

## EICO SOUND/LITE TRANSLATORS

KIT OR FACTORY WIRED

EICO STROBE LIGHTS KIT OR FACTORY WIRED


Model 3465 Solid State 3 Channel Sound Lite Translator, Varies intensity of light by means of a change in frequency (high, low, or mid-range) from the output of a sound source (P.A. Hi.Fi system, phono). 3 separate 400 -watt light sources can be hooked up to output receptacles on the translator. Using an arrangement of color bulbs you can project on a wall or screen a spectacular lighting effect in mythm with the music played. Vinyl-clad metal cabinet.
 21 F 25771 Model 3465 Kit

Net 49.95
21 F 25789 Model 3465 Wired
Net 69.95
Model 3460 Solsd State Single Channel Sound Lite Translator, Varies intensity of light by means of a change in volume (amplitude) of a sound source. Handes only 1400 watt light source to translator loeal for varving patio lights, xmas tree bulbs. Size: $21 / 2^{\prime \prime} \times 61 / 8^{\prime \prime} \times 31 / 4^{\prime \prime}$. Shpg. wt. $21 / 2 \mathrm{lbs}$

For 117 VAC 60 Hz .
21 F 25797 Model 3460 Kit
21 F 25805 Model 3460 Wired
Net 24.95
Net 39.95



Model 3470

AS LOW
AS
$24^{95}$

- Strobe Light Flashes in Cadence with the Rhythm of Your Music System


## No Money Down

EICO 3475 Sätid State Sound Actuated Strobe Lite. New sensation in audio lighting effects. Strobe Lite flashes in cadence with the phythm of your music system. Each music beat creates "different flash rate" automatically. Sensitivity control permits use with wide range of music sources (radlo, HI-Fi shonograph, P.A.) at minimum volume levels. Simple hook-up to speaker outputs. Housed in an attractive vinyl-clad metal case. Supplied complete with a spun aluminum reflector with shleld and plug-in xenon bulb, For 117 VAC. 60 他, Size: $61 / /^{" \times} \times 91 / s^{\prime \prime} \times 5 \frac{1}{4} 4^{\prime \prime}$. Shpg, wt., $51 / 4$ lbs.
21 F 25813 Model 3475 Kit
Net 39.95
21 F 25821 Model 3475 Wired
Net 59.95
EICO 3470 Solid State Electronic Strobe Lite. Solid state single head strobe lite with speed control that can be adjusted to the music beat. Ideal for the preferred lighting effects now in use by combo groups, discoteques, etc. For 117 VAC. 60 Hz . Size: $61 / 8^{\prime \prime} \times 91 / 8^{\prime \prime} \times 51 / 4^{\prime \prime}$. 21 F 25839 Model 3470 KIt Shpg. wt. 5 lbs.
21 F 25847 Model 3470 Wlred
Net 24.95

## NEW Deluxe Eico "CHROMACUBE" Audio Color Lighting System

Classic Cube in white plexiglas on a walnut gralned base. Hook it up to the speaker leads of your Hi-FI and the Cube springs to life in a rainbow of colorlight images moving on all 5 sides ... ever-changing, blending, and interweaving to the rhythm of the music. Solid state integrates circult design. Sensitivlty control assures full performance with any power input level. For 117 VAC .60 Hz . Size: $16 \times 16 \times 16^{\prime \prime}$. Shpg. wt., 20 lbs.
21 F 25912 W No Money Down*
Met 149.95

ONLY
$149^{95}$
wired only

# Now You Can See The Music You Hear 



## NFW Lafayette 4 Channel Frequency Synchronized Sound Actuated Color Lights

## $79^{95}$

> - Giant $281 / 2$ by $131 / 2$ - Screen
> - 4 Adjustable Color Controls
> - Continuously Flowing Color Images
> - Instant-on Solid State Circuitry


#### Abstract

A- sophisticated electronics system that provides true synchronization of color and sound. See every tone, each note, and every combination of instruments create its own vivid color pattern. The system includes 4 color channels: red, blue, green and yellow that are everchanging, interweaving, and blending to produce fantastic, spontaneous, frequency synchronized multi-color patterns to the music reproduced by your speakers. Connects in seconds to your Mi-FI system or guitar amplifier without any loss in sound quality or volume. All solid state integrated circuitry. 4 adjustable color controls and a sensitivity control. Handsome walnut vinyl covered wood cabinet Size: $30 \times 15 \times 11 \mathrm{~m}$, Shpg. wt., $311 / 2 \mathrm{lbs}$. For 117 VAC 60 Hz . 21 F 03000wx No Money Down*


Eico 4 Color Sound Actuated Color Lights


$39^{95}$

- Easily Connects to Speaker Leads
- No Loss in Speaker Volume
Low cost, 4 -color, solid-state sound activated color organ. You can actualiy 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 yellow colors create an entertaining display of multicolor. 3-dimensional spontaneity which varies to the amplitude of the sound source. Hi-/low inputs allows you to adjust for music power levels; exclusive 4 - in-1 color control. Housed in walnut wood grained cabinet. For 110 VAC 60 Hz . Size: $24 \times 12 \times 10^{\circ \prime}$. Shpg wt., 10 lbs. No Money Down:

- $21 \mathrm{H}^{-1} \times 70^{-}$
- Full Spectrum of Abstract Color Lighting

Handsome lable-top color columns ovily 24" $\mathrm{H} \times 7^{\text {² }}$ D. Magnificent abstract color images in everchanging motion. These unique color cyltin ders, 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 gultar amplifier. Column is constructed of unbreakable polycarbonate olastic with "Brite" chrome base. For 117 VAC. Shpg. wt., 7 lbs.
13 F 7553 aw
Net 44.95

NEW ${ }^{3-S i d e d ~ P r i s m a t i c ~}$


Color Lights priced to fit your bưget. 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 light patterns. Hooks up to speaker leads of any sound source. For 117 VAC 60 Hz . Size 18x11x7". Walnut vinyl grained wood cabinet. Shpg. wi.. 8 lbs,
13 F 75526 w
Net 26.95


## - Sound Actuated Color Lights In A Geometric Pattem <br> 95

Varying colors of lights are sound synchronized into a multi-square composition when this unit is hooked up to speaker leads of your Mi-Fi system. This results In a vivid gepmetric color light display that produces a highly satisfying creative effect. A work of modern dynamic art that enhances any environment. Size: (HWD) $18 \times 18 \times 5^{-}$. Vinyl. walnut grained cabinet. For 117 VAC, 60 Hz. Shpg, wt., 6 lbs.
21 F 25938 w

3 Channel Color Light Control Center

## Popular Priced Floor and Shelf-Type Speaker Systems

## Lafayette CRITERION "OMNI-1" 5-Speaker Thin Line System



## POWER HANDLING CAPACITY 30 WATTS

Deluxe space saving omni-directionai 5 -speaker system in a convenient thin-line configuration. A unique concept featuring a horizontal line source of four $31 / 2^{\prime \prime}$ dianceter tweeters mounted with a textured acoustic deflector to give $360^{\circ}$ radiation and a listening illusion that is free, open, expansive, and non-boxed In. This most space saving form, permits the Criterion Omni-1 to be either floor mounted, top bookshelf mounted, or wall mounted. As sound is radiated from both front and back, the Omni-1 is perfect for use as part of a room divider-or It may be situated closz to a wall. The ultra-slim enclosure is only $51 / 2^{\prime \prime}$ deep, and is finlshed in a rich. hand rubbed oiled walnut veneer. A luxurious brown/black decorator grille cloth covers the front, back and top surfaces. The extended bass is produced by a high compliance $8^{\prime \prime}$ diameter woofer with a four layer volce coil and ultra low free air resonance. In order to minimize bass distortion the woofer is asymmetrically mounted in a completely sealed enclosure, a true infinite baffle loading. Dimenslons: $22^{\prime \prime}$ high $\times 1734^{\prime \prime}$ wide $\times 51 / 2^{\prime \prime}$ deep. Frequency Response: 40 Hz to $18,000 \mathrm{~Hz}$, Power Handling Capacity: 30 watts program imaterial. Nominal Impedance: 8 ohms. Shpg. wt., 28 lbs. 21 F 01624W
with Acoustic Deflector for $360^{\circ}$

## $39_{\text {No }}^{95}$

 No Money Down*- $8^{\prime \prime}$ High-Compliance Wooter with Long Throw, 4-Layer Voice Coil
- Four $31 / 2^{\prime \prime}$ Close Back Tweeters Mounted In a Horizontal Line Source, with Acoustic Deflector for $360^{\circ}$ Radiation

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 pregaid with your original sales slip or order. Lafayette will repair it without charge including return transportation.

## Lafayette MINUETTE® "II" 2-Way Hi-Fi Speaker System

Room Filling Music Everywhere In Your Home

- 2 Speakers $5^{\prime \prime} \times 7^{\prime \prime}$ Woofer, $21 / 2^{\prime \prime}$ Tweeter
- Shelf Size $6^{\prime \prime} W \times 151 / 8{ }^{\prime \prime} H \times 91 / 8^{\prime \prime} \mathrm{D}$.
- Genuine Oiled Walnut Finish On 4-Sides
- Brilliance Control
Lafayette Minuette "Il" Mi-Fi Speaker System will bring music to
any room in your home-and for a remarkably low cost. Designed for
use where space is at a premium-ldeal for the smati apartment or
listening area. Expands your stereo system to other areas of your
home...easily used in the den, kitchen, patio or bedroom. Employs
a specially designed $5 \times 7$ " woofer, electrical crossnver at $8,000 \mathrm{~Hz}$,
plus a $21 / 2^{*}$ tweeter In a ducted-port brass reflex type enclosure.
provides exceptionally fine musical quality yet measures only 6 W
$\times 157 / 8 \mathrm{H} \times 91 / \mathrm{g}^{\prime \prime} \mathrm{D}$. Small enough to fit anywhere. Superb oiled walnut
finish on 4 sides allows placing speaker horizontally or vertically.
Frequency response: 80 to $19,500 \mathrm{Mz}$. Features adjestable tevel con-
trol for brilliance. Impedance 8 ohms. Rated at 5 watts ( 10 watts
peak). Imported. Shpg. wt., $81 / 2$ lbs.
99 F 01711 W
Net 12.95



# SALE $12^{95}$ <br>  

# Ulitra-Compact Criterion Hi-Fi Speaker Systems 

## New! CRITERION "2X" 2 -Speaker 2.Way Acoustic Suspension System



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 systemsA Truly Compact High Fidelity Speaker System with a Power Handling Capacity of 20 watts
a"1495


Measures only $11^{\prime \prime} \mathrm{W} \times 7$ "D x 81/4"H.

- 5" Acoustic Suspension Wooter with 7/8" voice coll and 1 lb . magnet structure
- $3^{1 / 2^{\prime \prime}}$ cone-type Tweeter
- $60-19,000 \mathrm{~Hz}$ overall response

A low-cost, ultra-compact 2 .way speaker system that offers astonishing music reproduction for its size. Perfect for use as main speakers with low-powered stereo amplifiers or receivers ...as remote or extension speakers in any existing stereo hiff 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 bcokshelf, end-table, desti-docations are actually unlimited.
Fine sound quallty results foom the use of techniques employed in high-priced hi-fi speaker systems. $5^{\prime \prime}$ woofer in a sealed cabinet uses the well-known acoustle suspension principle to produce substantiat bass from a system this size. A $34 / 2^{\prime \prime}$ 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 fiberglass-loaded to reduce unpleasant resonances. Finished on tour sides in rich ofted walnut veneer, with grille cloth in subdued dark brown color. Overall response $60-19,000 \mathrm{~Hz}$. Crossover frequency 4000 Hz . Power Handling Capacity 20 watts. Impedance 8 ohms . Imported. 99 F 02382 W Shpg wt., 9 lbs.

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



POWER HANDLING CAPACITY 25 WATTS

## 5 Year AAA Guarantee See page 407

 for terms FULL $\$$ IZE PERFORMANCE , this outstanding ultra-compact Lafayette 2 speaker 2 -way system achleves a purity of sound and music quality that is astounding for a speaker system measuring only $12 \mathrm{~m}, \mathrm{~W} \times 70 \times 104 / 4 \mathrm{H}$. Perfect for use anywhere in your home or office. You get rich styling plus true high fidelity music reproduction at a low, low price. System consists of a powerful $8^{n}$ woofer which provides smooth bass sound reproduction down to 55 Mz , and a $21 / 2^{\prime \prime}$ cone tweeter that glves you sparkling clean high frequency response. Also includes a built-in $8,000 \mathrm{~Hz}$. electrical crossover network. Power handling capacity of 25 watts makes it compatibie for use with most amplifiers and receivers. Interior of cabinet is designed to damp out standing waves and other spurious vibrations. Specifications: Frequency Response; $55-19,500 \mathrm{~Hz}$. Voice Coll impedance: 8 ohms. Woofer $8^{\prime \prime}$ high compliance with 32.6 oz , magnet structure; rolled edge suspension. Tweeter: $21 / 2^{\prime \prime}$ cone type with 2 A oz. magnet structure. Electrical Crossover: $8,000 \mathrm{~Hz}$. Imported. Shpg. wt., $121 / 2 \mathrm{lbs}$.99 F 02255 w

## Quality Speaker Systems at Popular Prices

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


## FAMOUS LAFAYETTE QUALITY AND PERFORMANCE FOR ONLY

$29^{95}$
AAA Guarante See Below POWER HANDLING CAPACITY 30 WATTS

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


Improved version of our best-selling Criterion " 50 ". Provides impressive hi-fi sound, yet measures only $107 / 8 \mathrm{H} \times 19 \mathrm{~W} \times 87 / \mathrm{m}^{\circ} \mathrm{D}$. An $8^{*}$ heavy-duty woofer with 36 oz . magnet structure and $1^{\text {" }}$ volce coil is acoustically matched to a $31 \mathrm{z}^{\prime \prime}$ cone-type direct radiator tweeter. 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 wooter so that they emerge "in-step" with those radiated from the front of the speaker, providing substantlally greater bass sound power from the system. Fintshed on all four sides in a rich, hand-rubbed olled 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., 22 lbs. 99 F 62131wx No Money Down ${ }^{\text {- }}$

## New! CRITERION* <br> 3-Speaker 3 -Way Bookshelf Acoustic Suspension Speaker System



Sealed, Fiberglass-filied enclosure

## EXCITING NEW LOW COST ACOUSTIC SUSPENSION SPEAKER SYSTEM



AAA Guarantee See Below

## POWER HANDLING CAPACITY 30 WATTS

- $81 / 2^{-}$Woofer with $1 \% \mathrm{Lb}$. Magnet Structure and $1^{\prime \prime}$ Voice Coil
- $3^{1 / 22^{*}}$ Mid-Range Speaker with $1 / 2^{\text {" }}$ 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 Walnut Finish


Expert comblning of components for outstanding performance at an unbelievable low price! Heavy-duty 84/2" 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. Rellable $31 / 2^{\prime \prime}$ cone-type mid-range speaker reproduces clean, fuli bodied sound throughout the important middle frequency range. Sharply detailed high frequency reproduction is accomplished with a $14 / 2^{\prime \prime}$ 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 rear) permits you to taltor the sound to your specific room acoustics. Handsome walnut finish on four sides with tastefully accented brown grill cloth to blend with any decorating scheme. Overall response: 40 Hz to $19,000 \mathrm{~Hz}$. Impedance: 8 ohms. Imported. Size: $19 \%_{0}$ Wx $107 / 8 \mathrm{Hx} 81 \mathrm{H}_{4}{ }^{\circ} \mathrm{D}$. Shpg. wt.. 21 lbs
99 F 02321 wx No Money Down
Net 39.95

## 5 YEAR AAA GUARANTEE FOR CRITERION* 50 A AND 77

[^1]simply return it prepaid with youl orizinal sales slip or order. Lafayette will repair it without charge including return transportation.

# NEW LafayetteCRITERION 100B 40-Watt 10" 3 -Speaker 3-Way Bookshelf System 

## POWER HANDLING CAPACITY 40 WATTS

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

\author{

* Powerful 10" Woofer with $51 / 2 \mathrm{Lb}$. Magnet Structure and 2" Diameter Voice Coil
}
* $3^{1 / 2}$ " Mid-Range Speaker
* $11 / 2^{\prime \prime}$ Direct Radiator Super Tweeter
- "Tuned" Enclosure with Tube-Type Ducted Port
- Full $12 \mathrm{db} /$ Octave Electrical Crossover Network
at 3,500 and $10,000 \mathrm{~Hz}$
- Overall Response $30-19,000 \mathrm{~Hz}$
- 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 $51 / 2 \mathrm{ib}$. magnet structure, a $31 / 2^{\prime \prime}$ mid-range speaker, and a $11 / 2^{\prime \prime \prime}$ direct radiator type super tweeter. All 3 speakers are acoustically matched and employ a full $12 \cdot \mathrm{db}$ /octave L/C crossover network at $3,500 \mathrm{~Hz}$ and 10,000 Hz . Features High 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 tinished 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 ampliflers. For vertical or horizontal placement. Dlmensions are $211 / 2 \mathrm{~W} x$ $113 / 4 \mathrm{H} \times 93 / 4$ "O. Overall frequency response: $30-19,000 \mathrm{~Hz}$ crossover frequencles- 3,500 and $10,000 \mathrm{~Hz}$; nominal impedance: 8 ohms; power handing capacity 40 watts program material. Imported. Wt., 31 lbs.
99 F 02115 WX

## SYSTEM DESIGN

The enclosure is a bass-reflex design using a "sonic tube" to provide proper acoustic "tuning" of the enclosure. The tube provides a special path for the low frequency sound waves radiated from the rear of the woofer so that they emerge "in-step" with those radiated from the front and thus provides substantially greater bass sound power from the system. Solld wood construction plus the use of sound absorbent material ensures an extremely rigid enclosure free of undesirable resonances. A powerful 10 -inch speaker with a $51 / 2 \mathrm{lb}$. magnet structure provides reproduction of the low frequencles down to 30 Hz . A $31 / 2^{\prime \prime}$ cone-type mid-range speaker covers the mid-range frequencles, and a $11 / 2^{\prime \prime}$ direct radiator type super tweeter reproduces the high frequencies. Smooth transition is achieved by means of electrical crossover at 3,500 and $10,000 \mathrm{~Hz}$.

# Lafayette CRITERION " $150 A^{"}$ 

3-Way Acoustic Suspension Speaker System


## $59^{95}$

No Money Down*
Popular Priced Superb Quality Acoustic Suspension System

- Overall Response 30 to $20,000 \mathrm{~Hz}$
- 10" Acoustic Suspension Woofer with $2^{1 / 2} \mathrm{lb}$. Magnet Structure and. $11 / 4 "$ Edge-Wound Copper Voice Coil
- 3" Cone Type Mid-Range/Tweeter
- $11 / 2^{* \prime}$ 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 cuble foot in size. Advanced acoustic design with skillful blending of all speakers provides wide-range natural sound -the ideal system for those wanting the finest possible reproduc. tion from a compact enclosure. The system's main working element is a spectal 10 inch highly compliant woofer with a $2 \mathrm{ib}, 8 \mathrm{oz}$. magnet structure and a $11 / 4$ " ribbon-type copper voice coil, edge. wound on an aluminum form. The cone of this wooter is loose and free from the usual stiff mechanical suspension. Instead, the woofer cone actually uses the air within the seafed enclosure to provide the spring suspension element. The extremely long cone travel combines with this type of suspension to glve bass reproduction 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 $11 / 2 "$ super-iweeter 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 e 10,000 Hz. The Criterion 150A also features a high frequency "brilliance" control on the rear of the cabinet. Thls enables balance of high frequency tones to sult individual tastes and match various room conditions. The enclosure is of solid $5 / 8$ " wood construction with fiberglass packing to virtually eliminate undamped resonance. All four sldes are finished in luxuriant hand-rubbed oiled walnut with handsome beige grille. Imported. Shelf size: $19 \mathrm{~W} \times 11 \mathrm{H} \times 87 / \mathrm{CD}$. Shpg. wt. 22 lbs
99 F02222W
Net 59.95

## SPECIFICATIONS

System Response: $30 \cdot 20,000 \mathrm{~Hz}$; Woofer: $10^{-\mathrm{m}}$ acotstic suspension high compliance with long excursion cone and a 2 D. 8 oz.magnet structure and a $11 / 4^{\prime \prime}$ edge wound copper voice colf; Mid-Range/ Tweeter; $3^{\prime \prime}$ Cone Type 1/2" voice cohl, 4 oz, magnet. Super Tweeter: Direct Radiator type: $11 / 2^{*}$. Crossover Network: Electrical (L-C) energy transfer circuit; Crossover Frequencies: 1600 \& $10,000 \mathrm{~Hz}$; Power Capacity: 40 Watts; Impedance: 8 ohms.

## 5 Year Ades Guaranke

A Lafayette quality p:oduct that is guaranteed against defec-s in material and workmanship for 5 years. If this unit fails so 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.


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



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

Here's a bookshelf speaker system that offers 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 -speaker system with a full 4 -way electrical crossover, housed in a deluxe oiled walnut enclosure to give it the look of fine furniture, 4 separate speakers, each a brilliant performer over its assigned range, work in harmony to provide superb overall sound. The entire frusic range is. reproduced effortlessly...thrilingly life-tike in its quality. A big 12" woofer operating in a rigld fiberglass-filled enclosure with a tube-type ducted port (sonic tube), provides deep, enhanced bass. A 5 " mid-range speaker housed in ils own fiberglassfilled chamber and acoustically isolated from the main bass enclosure, assures smooth, peak-iree 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. Dimenslons: $22 \times 141 / 4 \times$ $11^{\circ} / 8$ "D. Imported. Shpg. wt., 40 lbs
99 F 02370WUX
Net 69.95

[^2]
## POWER HANDLING CAPACITY 50 WATTS

## 5 Year Aded Guaranlee

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

## Perfectly Matched Components

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



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

Here's a bookshelf system with the big, multi-dimensional sound that only multiple speakers can produce... and at an unbeatable price too! Every musical instrument is reproduced with brilltant 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 ralies 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 with high powered components, either now or in the future. Includes continuously variable midrange and high frequency level controls and polarized terminels. Enclosure is of 3 m " construction and is fiberglass filied. Tastefully styled with a fine furniture finish of olled walnut on four siles 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: Overal Response: $20-20,000 \mathrm{~Hz}$. Power Handling Capacity: Up to 50 Watts. Impedance: 8 ohms. Crossover Frequencles: 800 and $5,000 \mathrm{~Hz}$ ( 6 db/octave LC network), $12,000 \mathrm{~Hz}$ (mechanical). Controls: Contin. tously Variable Midrange and High frequency. Enclosure: DuctedPort System using Tuned "Sonic Tube". Speaker Components: 12" Bass Speaker ( 20.800 Hz ). $5^{*}$ midrange ( $800-5,000 \mathrm{~Hz}$ ), two $3^{\prime \prime}$ High Frequency Units $\left(5,000 \cdot 12,000 \mathrm{~Hz}\right.$ ), two $11 / 2^{\prime \prime}$ Super High Fre. quency Units ( $12,000-20,000 \mathrm{~Hz}$ ). Dimenslons: $24 \geq 141 / 2 \times 12^{*} \mathrm{D}$. Imported. Shpg. wt., 42 lbs 99 F 02263WUX

## 5 Year Acted Guarantoe

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

## SYSTEM DESIGN



# Deluxe Lafayette CRITERION ${ }^{\text {e } 5 X B " ~}$ 75-Watt 12-Inch 4-Way Acoustic Suspension Shelf or Floor Standing Speaker System 



- Lafayette's Finest Bookshelf Speaker System
-12" Woofer Features 11/2" Ribbon-Type Copper Voice Coil Edgewound on Aluminum Form, 6 lb .2 oz. Magnet Structure
- $61 / 2$ " Acoustically Isolated Midrange Speaker
- 3" Aluminum Cone Type Tweeter
- $11 / 2^{* \prime}$ Aluminum Cone Super-Tweeter
- Electrical Crossover at $800 \mathrm{~Hz}, 4500 \mathrm{~Hz}$ and $10,000 \mathrm{~Hz}$.
- Decorator Styled for Vertical or Horizontal Placement: Oiled Wainut Finish on all 4 sides.


## 5 Year Ades Guaranke

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.


# $129^{95}$ <br> Brings Music To Life <br> ...Right in your Home! <br> No Money Down* 

Now, Lafayette brings you the alt-new, Improved Criterion 5XB. It's a 4 -way bookshelf speaker system with 2 specially designed alumi. num cone tweeters to assure brilliant, distortionless reproduction of the upper music ranges, adding a degree of realism that will delight the most critical listener. Employing the acoustic suspension principle, the Criterion $5 \times 8$ provides astonishing overall 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, each carefully designed for optimum response over its assigned frequency range. In conjunction with the electrical crossover network, these four speakers yield a carefully tailored, ultra-linear overall response. The 12 -inch acoustic suspension woofer with $6 \mathrm{lb}, 2 \mathbf{0 2}$. magnet structure has an exceptionally compliant, long-throw suspension. Its uniquely constructed voice coil consists of heavy ribbon-shaped copper wire edgewound on an aluminum form. This arrangement offers extreme rigidity so that the coll cannot be deformed in any way and also assures rapid heat dissipation. Result: Remarkably low bass response-undistorted even at high power levels. An acoustically isolated $61 / 2$-inch midrange speaker with 12.4 oz . magnet structure provides flawless reproduction-free of annoying peaks, yet adding true "presence"" to the system. Extending response to beyond audibility are $3^{\prime \prime}$ and $11 / 2^{\prime \prime}$ tweeters. Separate, continuously varlable mid and treble range controls provide full adjustment of the system to suit the acoustics of your listening area. The enclosure has a fine furniture finish in olled walnut on all four sides and is designed for vertical or horlzontal placement, either shelf or floor standing. Size: $237 / \times 143 / 8$ $\times 115 / \sigma^{" D} \mathrm{D}$. Imported. Shpg. wt., 46 lbs. 99 F 02230WUX

Net 129.95

## SPECIFICATIONS

Overall Response: 18 to $25,000 \mathrm{~Hz}$. Maximum Input Power: 75 watts (music power). Nominal Impedance: 8 -ohms. Acoustic Controls: Continuously varlable midrange level; continuously varlable treble level. Speaker Components: 12" heavy-duty acoustic suspension woofer with $6 \mathrm{lb}, 2 \mathrm{oz}$. magnet structure using riboon-type voice coll edge-wound on aluminum form; Free Air Resonance, 18 Hz $61 / 2^{\prime \prime}$ acoustically isolated mid-range speaker with 12.4 oz . magnet structure; $3^{\prime \prime}$ direct radiator tweeter with 10.1 02. magnet in a die-cast housing uthlizing an aluminum cone with protective screen, and $14 / 2^{" \prime}$ direct radiator super-tweeter with 3.88 oz . magnet in a die-cast housing with aluminum cone and protective screen. Crossover Frequencies. Low-loss 12 db /octave L-C network with crossover at 800 Hz and $4,500 \mathrm{~Hz} ; 6 \mathrm{db}$ /octave crossover at $10,000 \mathrm{~Hz}$. Enclosure: Airtight acoustic suspension cablnet of $3 / 4^{\prime \prime}$ construction, internaliy braced and filled with glass fiber insulation for acoustic damping.

# Lafayette CRITERION ${ }^{\odot}$ " 80 " 100 Watt 6 -Speaker 4-Way Acoustic Suspension Consolette Speaker System 

## The Finest Reproducer of Sound Offered by LAFAYETTE for the Home...

## $159^{95}$

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

- Overall Response $18-25,000 \mathrm{~Hz}$.
- 12" Acoustic Suspension Woofer with over 6-Ib. magnet structure and edge-wound ribbon-type copper voice coil on an aluminum form.
- 61/2" Acoustically Isolated Midrange Speaker with 12-0z. Magnet Structure.
- Four Tweeters-Two $3^{\prime \prime}$ Tweeters and Two $11 / 2^{\prime \prime}$ Super Tweeters.
- Separate Midrange and High Frequency Level Controls.
- Enclosure in Rich, Hand-rubbed Oiled Walnut Finish.

Here is a no-compromise 6-speaker system created for just one purpose-the authentic reproduction of a massive symphony orchestra in spacious listening ereas. Two of these superb floor-standing systems will spread the sound over the full width and depth of even the largest room, bringing the spectacular realism of a living performance right into your home. This major accomplishment was achieved by careful selection and design of speaker units and enclosure. A $12^{\prime \prime}$ acoustic suspension wocfer in a large air-tight enclosure over $31 / 2$ cubic feet in overall size results in remarkably powerful, solid bass. Added to this is an natural "presence" without exaggerated midrange peaks. Four tweeters spread across the front in a calculated con. four tweeters spread across the front in a calculated conhigh frequency "beaming." Two of these are $3^{\text {" }}$ units covering the 4.500 to $12,000 \mathrm{~Hz}$ range, and two are ultra-high frequency $11 / 2^{\prime \prime}$ aluminum cone units that extend response to well beyond audibility. All this is housed in a handsome enclosure designed to blend unobtrusively into any decor-clean-lined and quietly tasteful in a rich, hand-rubbed oiled walnut finish and subdued dark brown tweed grille cloth. Dimensions: $30^{\prime \prime} H \times 18^{\prime \prime} W \times 12^{\prime} \mathrm{D}$. Imported. Shpg. wt., 67 bbs . 99 「 02248W

Net 159.95

## - SPECIFICATIONS

Handling Capacity. Overall Response: 18 to $25,000 \mathrm{~Hz}$, Power Hancling Capacity: up to 100 watts (IHF). Impedance: 8 ohms. Speakers: $12^{\prime \prime}$ Acoustic suspension woofer, $61 / 2^{\prime \prime}$ midrange, two $3^{\prime \prime}$ tweeters. cles: electrical at 800 and 4,500 , mechanical at $12,000 \mathrm{~Hz}$ cies: electrical at 800 and 4,500 , mechanical at $12,000 \mathrm{~Hz}$. Controls: Midrange and high frequency level.


## 5 Wear Actel Guarantee

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


## Full Range LAFAYETTE Hi Fidelity Speakers



## SK-260 3-WAY 12" HI-FI SPEAKER

Only $3 \frac{1}{2}$ " in depth. Can be mounted in virtually any "thintype" cabinet, ready-made console or music systems with custom wall or ceiling installations.

## - Handles 40 Watts Peak Power

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

Constructed to Lafayette's rigld specifications, the Lafayette SK-260 offers rich, brilliant sound reproduction. Engineered to reproduce the complete audio spectrum from 30 to $18,000 \mathrm{~Hz}$, this fine speaker is but $31 \mathbf{2}^{\circ}$ In depth, can be mounted in virtually any thin-type cabinet or shelf type enclosure, Incorporates a special low-resonance woofer cone, for clean natural bass response without boom, mechanical middrange, and Independent horn-type tweeter for wide dispersion of highs. Full.bodied mid-range and quality high frequency response enables you to hear the fine transients and high notes of the higher frequencies. Features heavy duty die-cast frame. Built-in mechanical crossover at $1,800 \mathrm{~Hz}$ and electrical crossover at $5,000 \mathrm{~Hz}$. Power handing capacity 20 watts, peak 40 watts. Brilliance level control. Impedance 8 ohms, Imported. Wt., $73 / 4 \mathrm{lbs}$, 99 F 00291


SPECIFICATIONS:

- Overall Response: $\mathbf{2 0 - 2 0 , 0 0 0 ~ H z}$
( $40-16,000 \mathrm{~Hz} \pm 3 \mathrm{db}$ ).
- Free ali Resonance: $\mathbf{4 5 . 6 5 \mathrm { Hz }}$
- Power Rating: 20 watts
- Impedance: 8 ohms
- Crossover: $2,500 \mathrm{~Hz}$



## DELUXE SK-128 8" BIAXIAL SPEAKER



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

8" Blaxial Speaker offers full, even coverage of the entire audio range with no distortion or coloration to mar your Ilstening pleasure. Speclally treated woofer cone has a unlque "Conical Stilfener" at the apex which, coupled with Its high compliance, enables the cone to operate in a piston-like manner-dellvering a clean, powerful bass response. The 2 -Inch tweeter has its own voice coil and magnetic field, Special treatment of cone and cone edge provides even distribution of the high frequencies with no peaks or resonance. $2,500 \mathrm{~Hz}$ electrical crossover. Adjustable brilliance control. Overall depth, $5^{1 \%} \%$ ". Imported. Shps. wt., 5 lbs.

## 99 F 00325 W

Net 16.95

## SK-98웅 DUO-CONE HI-FI SPEAKER

$9^{0.0 n y}$

- Mechanical 2-Way Design
- Overall Response $40 \cdot 16,000 \mathrm{~Hz}$
- Large Magnet Structure
- Patented Cone Construction and Material High Excursion Woofer

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

## 5 YEAR AAA GUARANTEE-See Page 52

## NEW Deluxe LAFAYETTE SK-315 15" 3-Way Die Cast Speaker

- Free-Edge Cone Suspension
- 3" Wooter Voice Coil
- Pre-wired $12 \mathrm{db} /$ octave Crossover Network with Calibrated Brilliance Control
- Compression Type, Horn Loaded Tweeter is Co-Axially Mounted
- Power Handling- 80 Watts Peak
- 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 -way co-axial speaker so it could deliver more than you are ever likely to ask of it. The enormous 15 lb . magnet structure delivers an amazin; 13,000 Gauss flux density . . . total flux is almost 300,000 Maxwolls! The extra thick walls of the cast frame minimize "ringing" tendencies. Fea tures 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 sult room acoustics and your personal taste in response. Engineered to mount to elther front or rear of baffie board; extra gaskets furnished.
21 F 01715 Wx Shpg. wt., 26 Jbs .
Net 79.95

## SPECIFICATIONS:

Free Air Resonance: $24 \mathrm{~Hz}_{\text {.; }}$ Overall Frequency Response: 20 $20,000 \mathrm{~Hz}$.; Flux Density: 13,000 Ilines per sq. cm.; Crossover: Mechanical at $2,500 \mathrm{~Hz}$., electrical at $5,000 \mathrm{~Hz}$.; Pover: 40 Watts Program, 80 Watts peak; Wooter 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 Dovn* Made in U.S.A.

## MASSIVE 15 lt . MAGNET STRUCTURE

NEW Deluxe LAFAYETTE SK-312 12" 3-Way Die Cast Speaker

- 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 foint 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 low, low free air resonance of only 25 Hz . This suspension also damps standing waves which tend to develop across the cone. The separate middange cone and direct radlator 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 this speaker to either the front or rear of the baffle; extra gaskets for front mounting are included.
21 F 01707 W Shpg. wt., 12 lbs.
Net 39.95

## SPECIFICATIONS:

Free Air Resonance: 25 Hz - Overall Frequency Response: 20 $19,500 \mathrm{Mz}$.; Flux Oensity: 9,000 llnes per 5 q . cm. . Crossover: Mechanical at $1,000 \mathrm{~Hz}$., electrical at $3,500 \mathrm{~Hz}$.; Power: 35 Watts program, 70 Watts peak; Woofer Voice coll: $2^{\prime \prime}$ dia.; tweeter, $3 / 4^{\prime \prime}$ dla.i Impedance: 8 ohms; Outside Diameter: $1214^{*}$; overall Depth: 61/2"


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


(B) 15", 3-WAY
$20^{95}$

- 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 tools needed.
- Magnet covers and chassis feature baked-on enamel to corrosion-proof the vital, critically dimensioned steel elements for years.
(A) 12" 3-WAY SPEAKER HANDLES 45 WATT PEAKS

Large voice coll ( $1 / z^{\prime \prime \prime}$ Dia.) and large 4 ib . magnet structure for efficient, smooth handing of bass frequencies. $4^{\text {" }}$ 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 wooter voice coll. Handies 23 watts program material, 45 watts peak. Res., 45 Hz . Response, $35-20,000 \mathrm{~Hz}$. Imp., 8 ohms.
21 F 47262 W Shpg. wt., $83 / 4 \mathrm{lbs}$.
Net 16.95
[B] 15" 3-WAY SPEAKER HANDLES 50 WATT PEAKS
Same heavy-duty combination of voice coll and magnet as the 12 "' version, above, plus the benefit of the extra cone area of a $15^{\prime \prime \prime}$ 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, $30-20,000 \mathrm{~Hz}$. Impedance, 8 ohms. 21 F 47254 W Shpg. wt., 11 lbs.

Net 20.95


## 12" WIDE RANGE CO-AX SPEAKERS

(C) $12^{\prime \prime}$ 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 coii. Impedance, 8 ohms; response, $35-17,000 \mathrm{~Hz}$.; resonance, 45 Hz . Co.axially mounted high frequency cone extends range.
21 F 47122 W Shpg. wt., 7 libs.
Net 16.95
[D 12" 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 medlum power amplifiers. Will handie 12 watt program material, 25 watt peaks. Excellent for the hil-fi enthusiast with a limited budget. Response, $40-18,500 \mathrm{~Hz}$; impedance, 8 ohms; 5.5 ounce ceramic magnet; resonance, $60 \mathrm{~Hz} . ;$ Voice coil diameter, ${ }^{\prime \prime}$ "
21 F 47155 Shpg. wt., $53 / 4$ Hbs.

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



61/2" CO-AXIAL SPEAKER

$61 / 2^{\prime \prime}$ woofer with heavy magnet for maxl mum efficiency and low distortion. $2^{\prime \prime}$ tweeter is co-axially mounted in a protective sealed housing; a mesh disper. sion 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 . Impedance, 8 ohms; bult-in electrical crossover network. Requires $51 / 2^{2 \prime \prime}$ dia. cutout. $61 / 2^{\prime \prime}$ dia., $31 / 4^{\prime \prime}$ deep. Imported. Shpg. wt., $31 / 2$ lbs.
99 F 00283

# Deluxe Woofers, Tweeters \& Mid-Range SR LAFAYETTE Speakers for Do-It-Yourself Systems 

## WOOFERS FOR ALL POPULAR CABINET SIZES

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

A powerful, woofer capable of reproducing bass frequencies, 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 coll easily handles 28 watts continuously and absorbs 55 watt peaks. The baked-on lacquer linish on the magnet covet and chassis protects against corrosion of the critically dimensioned steel elements. Deluxe, phasecoded, fingertip terminals with Teflon insulation. Res, freq.. 50 Hz ; resp., $20-5,000 \mathrm{~Hz}$.i imp., 8 ohms; Shpg. wt., 14 lbs.
21 F 47197w
Net 24.95

## (8) 12" WOOFER HANDLES 50 WATT PEAKS

This $12^{\prime \prime}$ woofer uses the same enormous magnet assembly and the same $2^{\prime \prime}$ voice coll we feature in our 15" wooter. Even though the cone is smaller, the resonance is held to a mere 30 Hz . by using a highly compliant cloth cone edge. Power handiling is 25 watts continuous and 50 watts peak. Includes all the deluxe features you've come to expect from Lafayefte: baked on-lacquer finish on magnet cover and chassis, and fingertip terminals with Teflon insulation. Response, $20-4,500 \mathrm{~Hz}$.; impedance, 8 ohms. Shpg. wt., $121 / 4 \mathrm{lbs}$.
21 F 47205 W
Net 22.95

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

A space-saving $8^{\prime \prime}$ 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 $11 / 2^{\circ \prime}$ voice coit and highly compliant cloth-roll cone suspension. Handles 20 watts of program material, 40 watts peak. Free air resonance is 55 Hz . Deluxe.features include phase-coded, finger-tip terminals with Teflon insulation, baked-on lacquer on magnet cover and chassis. Response, 35-7,500 Hz .; Impedance, 8 ohms; Shpg. wt., $63 / 4 \mathrm{lbs}$.

Net 11.95


## MIDRANGE COMPONENTS - HORN \& (0) $8^{\prime \prime}$ HIFI MIDRANGE HAS SEALED BASKET <br> The closed basket, (chassis) of this midrange speaker prevents inter-modulation from the back pressure of a woofer used in the same cabinet. A 10 ounce ceramic magnet and $\boldsymbol{y}^{\prime \prime}$ veice coil are used for high sensitivity. When used with the proper crossover, this speaker will handle the midrange and high frequency power of a 30 watt program. Ideal for use with a 700 Hz . crossover. Baked-on lacquer finish. magnet cover and chassis; deluxe phase-coded, tinger-tip terminals; resp., 350 . $14,000 \mathrm{~Hz}$.; impedance, 8 ohms. Shpg. wt., $41 / 4 \mathrm{lbs}$. <br> Net 7.95 <br> (E) MIDRANGE HORN OFFERS HIGH EFFICIENCY

DIRECT RADIATOR

21 F 47189

High efficiency means more sound output per watt input. Now hear cymbals and brass with outstanding brilliance. Enjoy, too, the wide dispersion angle of this diecast horn. Prewired crossover operates at $1,000 \mathrm{~Hz}$., attach to your woofer with two simple solder connections. Will handle the mid range and high frequency power of a 30 watt program. Response, $600-12,000 \mathrm{~Hz}$.; impedance, 8 ohms; voice coil diameter, $7 / 4^{\prime \prime}$; magnet, 1.4 ounce Alnico $V_{;} 101 / 2 \times 315 / 16^{2} \times 11^{\prime \prime}$ deep. Bahed-on lacquer flnish. Shpg. wt., $33 / 4 \mathrm{lbs}$

## TWEETERS-COMPRESSION AND DIRECT RADIATOR (E) CONE TYPE HI-FI TWEETER

Economy Hi-FI tweeter designed for mounting in most existing baffles and cabinets. Reproduces high frequencies without losing clarity and volume. Even sound dispersion insured by use of round cone. Completely seated rear housing. Resp., 3,000$16,000 \mathrm{~Hz}$. $211 / 4^{" \prime}$ dia. $\times 11 / a^{\prime \prime}$; imp., 8 ohms. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 f 01174
Net 2.25
(G) NEW! LAFAYETTE DIRECT RADIATOR SUPER TWEETER

Direct radiator type super tweeter with aluminum cone, enclosed metal case, and leads. Offers high sensitivity and wide dispersion angle. Handles up to 20 watts. Response, $4,000-18,000 \mathrm{~Hz}_{\mathrm{i}}$ Voice coil, dia. $\mathrm{Ka}_{\mathrm{c}}{ }^{" ;} 1.23 \mathrm{oz}$. magnet; Recommended crossover frequency: 5.000 Hz or higher; Imp. 8 ohms, Imported. Requires $21 / e^{" 1}$ dia. mounting. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 F 01280
Net 2.95

## (H) HIGH EFFICIENCY TWEETER HORN

Dle-cast, compression type tweeter horn featuring high sensitivity, wide dispersion angle and prewired crossover, operating at $4,500 \mathrm{~Hz}$. Mandles highs of 30 watts. Response, $2,000 \cdot 18,000 \mathrm{~Hz}$.; Imp., 8 ohms; 1.4 ounce magnet; $3 / 4^{\prime \prime}$ voice coil; bakedon lacquer finish; $71 / 4$ " $\times 3 \times 6 K_{0}$ "' Shpg. wt., $13 / 4 \mathrm{lbs}$.
21 F47239
Net 7.95

## (1) DOME LENS COMPRESSION TWEETER

Offers amazing clarity and brilliance. Phasing plug insures uniform output. Response, $1,500-20,000 \mathrm{~Hz}$. Handles up to 20 watts. Recommended crossover frequency 2500 H2., or higher, Dimensions: $51 / 4^{\prime \prime}$ long, mounts in $3 \%$ " dia, hole. Impedance 16 ohms. Imported. Shpg. wt., 2 lbs.
99 F 62507


# Popular Electro-Voice, University, and Lafayette Hi-Fi Speakers 

## DELUXE ELECTRO-VOICE AND UNIVERSITY $8^{\prime \prime}$ AND 12" HI-FI SPEAKERS



## 127月xB



ELECTRO-VOICE SPBE RADAX SUPER EIGHT-8" speaker. Resonance 60 Hz . Power rating 20 watts. Response $35-15,000 \mathrm{~Hz}$. 16 ohms impedance. Sens. Rtg. 47 db . Crossover $4500 \mathrm{~Hz}, 1 \mathrm{lb} .6 \mathrm{oz}$. ceramic magnet. $833^{\prime \prime}$ diam. $7^{\prime \prime}$ baffle opening. $43 / 4^{\prime \prime}$ depth behind panel. 21 F 30599 W Shpg. wt., $91 / 2$ lbs.

Net 32.50
ELECTRO-VOICE SP12B RADAX TWELVE-12* speaker. Resonance: 50 Hz . Power rating 60 watts peak. Response: $35,15,000 \mathrm{~Hz} .16$ ohms impedance. Sens Rtg., 49 db . Crossover: 4500 . 1 ib .6 oz . ceramlc magnet. $121 / 4^{" \prime}$ diameter, $11^{\prime \prime}$ baffle opening. $63 / 4^{" \prime}$ depth behind panel.
21 F 30607 W.Shpg. wt., 12 bs.
Net 37.95
ELECTRO-VOICE 12 TRXB - 3-Way assembly completely wired with HF control. Overall diam, $12 \mathrm{y} \mathbf{4}^{*}$. Resonance: 50 Hz . Fower rating 60 watts peak. Magnet welght., 1 lb. 6 oz. Frequency response: 35 $20,000 \mathrm{Mz}$ - Mech. crossover 2000 Hz elect. 3500 Hz . Depth behind panel $7^{\prime \prime}$. Imp., 16 ohms. Sens. Rig. 52 db . Shpg. wt., $161 / 2$ tbs. 21 F 30581w No Money Down*

Net 74.95
UNIVERSITY 312 12" 3-WAY DIFFAXIAL SPEAKER-Fealures an unusually rigid diecast basket, heavy magnet, diffusicone midrange and Sphericon super-tweeter. Woofer response down to 28 Hz . Muliielement midrange operates over the frequency range of 1000 3000 Hz . Wide angle $120^{\circ}$ treble dispersion. Tweeter has reflector baffle to prevent interaction and intermodutation distortion. Crossover network buitt-in, with brilliance control. Overall frequency response extends from 28 to $40,000 \mathrm{~Hz}$. Power rating 35 watts. Impedance $8-16$ ohms. $13^{\prime}$ diam., $65 / 8^{\prime \prime}$ deep. Shpg. wt., $121 / 4$ ibs. 21 F 67518 No Money Down*

Net 88.7

UNIVERSITY WOOFERS, MID-RANGE
SPEAKERS, TWEETERS AND CROSSOVERS
MODEL C-15W $15^{\prime \prime}$ DVC WOOFER, 13 lb . magnet structure. Rated at 50 watts. Response from below 25 to 1500 Mz . Impedance, 4-20 ohms. $101 / 2^{\prime \prime}$ deep. Shpg. wl., 27 Ibs.
21 F 67724 W No Money Down * Net 118.26 MODEL C-8M 8" MID-RANGE SPEAKER. Frequency response, $700 \cdot 5,000 \mathrm{~Hz}$. Power rating, 50 watts. Impedance. 8 ohms. $41 / 2^{\prime \prime \prime}$ deep. 21 F 67674 Shpg. wt., $41 / 4$ lbs. .... Net 19.11 T-202 SPHERICON SUPER TWEETER, 3,000$40,000 \mathrm{~Hz} .( \pm 2 \mathrm{db}$ to $22,000 \mathrm{~Hz}$.) Domed phenolic diaphragm with spherical diffractor. Built-in network and brillance control. 8 ohms, 30 watts. Shpg. wt., $21 / 2$ tbs. 21 F 67575

Net 28.62 HF- 206 HYPERSONIC TWEETER. High frequency response to beyond audibility. N-28 network for $5,000 \mathrm{~Hz}$, crossover recommended. 8 ohms. $25-50$ watts. $6 \times 3 \mathrm{~K}_{6} \times 6 \%_{6}$ "
21 F 67583 Shpg. wt., $33 / 4 \mathrm{lbs}$.. Net 39.50 N-2A CROSSOVER, 350 or 700 Hz .@ 8 or 16 ohms; 700 Hz .@ 4 ohms. $35 / 6 \times 31 / 4 \times 3^{\prime \prime}$.
21 F 67633 Shog. wt., $21 / 4 \mathrm{lbs}$.... Net 24.11 N.2B CROSSOVER. 1250, 2500 or 5000 Hz . @ 8 ohms; 2500 or 5000 Hz . @ 16 ohms; 2500 H2. © 4 ohms. $35 / 6 \times 31 / 4 \times 3^{\prime \prime}$
21 F 67641 Shpr. wt., $21 / 4 \mathrm{lbs}$. ... Net 19.76 AP-8 BALANCE CONTROL For use with N-2A and $\mathrm{N}-2 \mathrm{E}$ networks. Sults 8.16 hm systems 21 F 67658 Shpg. wt., 7 o2. Net 9.00

## ELECTRO-VOICE WOLVERINE SPEAKERS



Model LSB- $\mathbf{B N}^{\prime \prime}$ speaker. Response; 45.14,000 Hz. 40 watts Deak. Resonance: 75 Hz. 8 ohms. Crossover 4500 Hz . Size: $83 / \mathrm{g}^{\prime \prime}$ diam. $x$ $31 / 2^{\prime \prime}$ D. Shpg. wt., 5 lbs.
21 F 30557
Net 19.95
Model LS12A-12" coaxial speaker. Freq. response: $40 \cdot 14,000 \mathrm{~Hz} .40$ watts peak. Resonance: 60 Hz .8 ohms. Crossover: 4500
 21 F 30540 Shpg. wt. 6 bs.

Net 25.50 Model HF1 High Frequency Step-up Kit Adds sparkling brilltance to LS8, LSI2A. Extends response to $18,000 \mathrm{~Hz}$. Driver, crossover-level cuntrol. Requires $13 / 4 \times 41 / 4^{\prime \prime}$ balfle opening. Shpg. wt., 3 lbs. 21 F 30565

Net 28.95 Model MFI Mid-range Step-up KIt-Improves presence and dispersion from 1,000 to 3,500 Hz . With horn, driver. cross-over-level control. Requires $91 / 2 \times 3^{\prime \prime}$ baffle opening. Shpg. wt., 5 lbs .
21 F 30513
Net 31.50

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


## $5^{95}$

-10 0z. Ceramic Magnet

- Responses $40-17,000 \mathrm{~Hz}$.

Especially designed for thin-type systems, this $8^{\prime \prime}$ dual cone speaker features a 10 oz . ceramic magnet. Shallow construction makes it ideal for in-wall mounting. Baked-on lacquer finish. Screw terminals, no need to solder. Response: $40-17,000 \mathrm{~Hz}$. Capable of handling 15 watts normal and 30 watts on power peaks. Impedance: 8 ohms. Maximum depth is only $3^{\circ}$. Shpg. wt., $23 / 4$ lbs.
21 F 47106
Net 5.95

## LAFAYETTE 6x9" WIDE RANGE SPEAKER




Hi-fl, wide-range oval speaker with 10 ounce ceramic magnet and $\mathbf{1}$ " voice coll for high sensitivity and power handiling ability. Handies musical peaks up to 30 watts. Baked-on protective lacquer finish. Wide-range response, $45-17,000 \mathrm{~Hz}$. Will fit In wails, total depth is only $\mathbf{3}^{\prime \prime}$. Screw terminals, no need to solder. Impedance: 8 ohms. Outside dimenstons are only $67 / 8 \times 9 \% / 4^{\prime \prime}$. Shpg. wt., mensions
$21 / 2$ lbs.
27270

## LAFAYETTE 61/2" THINLINE HI-FI SPEAKER



Ideal for Wall or Ceiling Installation $4^{95}$

## - Response:

 $75 \cdot 12,000 \mathrm{~Hz}$ Low-cost, 3-way, full-range speaker with 3 diaphragms performing as woofer, mid-range and tweeter. Its smalt size, only $2^{\prime \prime}$ deep, makes it excellent for use in a wide variety of space-saving appilcations, Including background music systems with wall or celling installation. Frequency response $75-12,000$ Hz . Power handiling capacity, 3 watts ( 6 watts peak) of program material. impedance, 8 ohms. Binding post terminals. Imported. Shpg wi. $21 / 2$ lbs. 99 F 00317Net 4.95 each; 2 for 9.50

# Powerful, High Compliance LAFAYETTE 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 $21 / 2^{\prime \prime}$ TWEETER Remarkable compact tweeter handles 3 watts input music power. Frequency response of 3,000 to 15,000 Hz. Magnet weighs 1.302 . Depth13/". Impedançe: B ohms. Imported. Shpg. wt., 602. 99 F 01455
(B) LAFAYETTE $3^{\text {no }}$ TWEETER Fresh sounding foam-mounted cone tweeter dellvers 1,200 to $20,000 \mathrm{~Hz}$ frequency response. Power han dling capacity 8 watts peak. Depth $13 / 4^{\prime \prime}$. Impedance; 8 ohms. Imported. Shpg. wt., 1 lb.
99 F 01562
(C) LAFAYETTE 4" FULL RANGE HI FI SPEAKER, Fine performance from a speaker only $\boldsymbol{~}^{\prime \prime}$ in depth. Frequency response 50 to $16,000 \mathrm{~Hz}$. Power handing capacity 8 watts. Rugged stee! frame construction. Heavy 8.11 oz. magnet, Impedance: 8 ohms. Imported. Shpg. wt. 2 lbs.
99 F 01729
(D) DELUXE LAFAYETTE $5^{\prime \prime}$ WOOFER Superb bass resoonse is achieved through careful matching of large $11 / 2$ pound magnet, $1^{\prime \prime}$ voice coil, and specially treated cloth surrounded cone. Frequency response: 40 to $12,000 \mathrm{Mz}$. Wifl handle 15 watt peak power. Depth $41 / \mathrm{a}^{\prime \prime}$. Imported. Shpg. wt., 5 lbs
99 F 01554
(E) LAFAYETTE 5" FULL RANGE HI-Fi SPEAKER Outstanding 50 to $18,000 \mathrm{~Hz}$ audio reproduction. Magnet weighs 3.6 oz . Power capacity 8 watts ( 16 peak). Impedance: 8 ohms, Dia. $5 \frac{1}{8 \prime \prime}$, Depth $34 / 4^{\prime \prime}$. Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$.
99 F 01513
(F) LAFAYETTE 5" COAXIAL HI FI SPEAKER Super miniature speaker handles up to 25 watt power. Frequency range 38 to $19,000 \mathrm{~Hz}$. Magnificent sound reproductlon. Heavy magnet weight 1.1 lb . Rugged steel frame construction. Impedance: 8 ohms. Only $23 / 4^{\prime \prime}$ in depth. Imported. Shpg. wt., 3 lbs.
99 F 01703
(C) LAFAYETTE 61/2" DUAL-CONE HI FI SPEAKER Powerful $61 / 2^{\prime \prime}$ speaker only $21 / 2^{\prime \prime}$ in depth. Large 1 lb . magnet. Frequency response $50-16,000$ Hz . Power handiling capacity- 15 watts. Rugged stee frame construc. tion. Impedance: 8 ohms. Imported. Shpg. wt., 4 lbs.


## LAFAYETTE CROSSOVER NETWORKS

## (H) 2-WAY CROSSOVER NETWORK

Crossover network designed for 8 ohm woofers-and tweeters. Crossover frequency, $3,000 \mathrm{Mz}$. Easily accessible lug terminals. Rugged metaltic case $31 / 2 \times 17 / 4 \times 14 / 4$ ". Fibre mounting reducing extraneous pickup. Mount on inside of speaker cabinet. Complet? with simplified instructions. Imported. Shpg. wt., 6 oz . 99 F 01406

Net 1.95

## (J) 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 built-in continuously variable high-frequency "Brilliance" level control to match room acoustles perfectly. Control has a $2 \sqrt{2} \mathrm{ft}$. cable to mount on rear or side of speaker cabinet, and a long shaft for thick wood panels. Has an attractive brushed-gold finish escutcheon plate. For use with 8-16 ohm speakers. Easity accessible screw terminals. Metal case $57 / 0 \mathrm{~L} \times 2 \mathrm{3} / \mathrm{bH} \times 25 \mathrm{ha}=\mathrm{D}$. Complete with simplified Instructions. Imported. Shpg. wt., 2 lbs.

## 99 F 00218

Net 8.95
(K)DELUXE 2 and 3-WAY L/C CROSSOVER NETWORK

Can be used either as a 2 -way or 3 *way 6 db per octave network. Six crossover combinations are avallable - 2 -way crossover with $2000-3000 \mathrm{~Hz}$ or 5000 Hz crossover, and 3 -way with crossover frequencles 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 F 00226 Imported. Shpg. wt., 4 lbs.

Net 15.95
(H) 2-WAY CROSSOVER NETWORK

[^4](J) DELUXE 2.WAY CROSSOVER NETWORK

- For 8 -Ohm Woofers And Tweeters
- Low Insertion Loss
- Easy To Mount
$8^{95}$- Low Insertion Loss

(K) 2- AND 3.WAY L/C CROSSOVER
4 Crossover
Frequencies-
6 Combinations With Brilliance And Presence Controls $15^{95}$


## deluxe lafayette cone type metal-case hi-fi tweeter

Only
595

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

Cone type tweeter particularty efficient in the high end of the audlo spectrum where ordinary cone tweeters tend to lose clarity and volume. Entirely enclosed in metal case with stand and cabinet mounting bracket. Requires crossover network such as Latayette networks listed above. Diameter $3^{\prime \prime}$. Depth $2 \%^{\prime \prime}$. Voice coll impedance: 8.16 oflms. Imported. Shpg. wt., 2 lbs. 99 F 00499

Net 5.95

# Revolutionary LAFAYETTE "Poly-Planar" Speakers 

## New Concept in Super-Thin Electro Dynamic Speakers

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


Lafayette "Poly-Planar" wafer.type component loudspeakers employ a Hghtwelght acoustic panel supported by a frame of polystyrene plastic material to reproduce a range of frequencies from 40 Hz to $20,000 \mathrm{~Hz}$. This mate. rial also permits the speakers to be made impervious to extremes of temperature, humidity, shock and vibration. There is aiso a minimum of piston motion resultins in low distortion and high electromagnetic efficiency.

## 12" POLY-PLANAR WIDE RANGE SPEAKER-

Unique physical and audio characteristics permit a wide range of uses: HI-Fidelity speaker systems, TV or radlo, automotive, public address, architectural application (Build Poly-planars into walls, closet doors, cellings), and marine application. Use it as it is or cover it, baffle it, enclose it. Specifications: Power Capacity 25 watts' Peak; Frequency Range, 40 $30,000 . \mathrm{Hz}$; Volce Coil diameter, $1^{\prime \prime}$; Magnet weight, 4.8 oz. I Imp. 8 ohms; Maximum operating temperam ture, $+175^{\circ} \mathrm{F}$. Size: $17 / 0^{\circ} \mathrm{D} \times 1411 / s^{\prime \prime} \mathrm{H} \times 113 / 4 \mathrm{~W}$. Shpg. wt., 2 lbs.
21 F 56016
Net 10.95

## 5" 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. Speciflcatlons: Power capacity, 5 watts Peak; Imp., 8 ohms; Frequency range, 60 Hz to $20,000 \mathrm{~Hz}$, Operating temperature range, $-20^{\circ}$ F to $+175^{\circ}$ F; Voice coil dimater, $3 / 4^{\prime \prime}$. Size: $3 / 4^{\prime \prime} \mathrm{D} \times 81 / 2^{\prime \prime} \mathrm{H} \times 41 / 2^{\prime 2} \mathrm{~W}$. Shpg. wt., 1 lb .
21 F 56024
Net 5.95


As Low As
195

SPEAKER GRILLS FOR POLY-PLANAR SPEAKERS

- For Surface or Custom Flush Mount Two types for either 12" or 5" speakers. Will provide beautlful custom flush mount installations in your home, office, boat or car. High impact plastic with walnut grain finish.
For 12 " Speaker. Wt. $21 / 4$ lbs 21 F $56040 \ldots$ Net 2.95 For $5^{\prime \prime}$ Speaker. Wi. 10 oz . 21 F 56057


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

- Replaces 8 " Conventional Cone Speakers in All Applications

New addition to Lafayette's series of polystyrene acoustic panel type spaaker systems. Only 1" deep. Its unique construction makes it impervious to extremes of temperature, humbdity, shock and vibra. tion. Shallow depth permits mountling on doors, walls, cellings or ordinary speaker enclosure. Speciflcations: Power cap.: 10W; Freq. Range: $40-20,000 \mathrm{~Hz}$; volce Coil: $3 / 4^{n}$; Impedance: 8 ohms; Size: 8" dia. 1.05"D.
21 F 56065 Shpg. wt., 1 lb.

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



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

12" system: Fully weatherproof! Can be used outdoors or Indoors for hi-fi or bidirectional PA paging. Handsome, high-impact white styrene enclosure with accessory walnut wood stand contains 12 Poly Planar hi-fi speaker. Includes 8 ft . hook-up wire, and all necessary hardware to simply let you stand, hang, or mount the system. Power: 20 watts peak. Frequency Response: $40-20,000 \mathrm{~Hz}$ handiling capacity. Input impedance: 8 ohms. Size: $13 / 4 \times 131 / 4 \times$ 161/4". Shpg. wt., 4y/4 lbs.
21 F 58032 W
Net 17.95
5" System: Same as above, but with 5" poly-planar speaker. Power handiling capacity: 5 watts peak. Frequency Response: 70 Hz to 20 Hz ; Impedance: 8 ohms, Slze: $3 / 8^{\circ \prime} \times 6^{\prime \prime} \times 10^{\prime \prime}$. Shpg. wt., 2 tbs. 21'F56073

## LAFAYETTE Reverb Amplifiers and Speakers

## LAFAYETTE REVERBERATION AMPLIFIER AND SPEAKER SYSTEM NEW LAFAYETTE CRITERION® "R-10" SOLID STATE NEW LAFAYETTE CRITERIOND "R-10" SOLID STATE


> - Ideal for Stereo or Mono Systems
> - Self-Contained with
> $24^{95}$ Buith-in Power Supply

A compact space saving self-contained reverberation amplifier speaker system that works with your existing component Hi-FI system, AM or FM radio, tape recorder to bring the realism of concert hall sound to your listening area. Thrill to this new dimension in sound. 3-qube amplifier delivers $21 / 2$ watts to a $61 / 2^{\prime \prime}$ PM speaker. Inputs provided are stereo/mono high level and stereo/mono low fevel. For use with $110-117$ volts AC, $50-60 \mathrm{~Hz}$. per second. Unit is mounted in a deluxe, beautiful oiled walnut cabinet which measures $111 / 1, W \times 77 / 0 \mathrm{H} \times 57 / 8{ }^{*} \mathrm{D}$. Imported. Shpg. wt. 7 lbs.
99 F 01463 W
Net 24.95
(10/15/70
Delivery)

Actually 3 Quality Ampliffers in 1

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

## $34^{95}$

Handsome Hand Rubbed Olled Walnut Cabinet

Engineered to fill an Important void in today's high fidelity market. Certain to be one of our best sellers. Enhances your stereo listening by adding a center channel (can only be used with stereo amplifiers and Receivers that have a center channel output). Creates concert-hall realism when used as reverb amplifier and speaker in stereo or mono systems. Or you can plug in a record changer with a ceramic cartridge-and you have a complete hl-fi system. Wide.range high compliance speaker deflvers rich natural sound. Power pleteut is 1.7 watts RMS. Sensitivity-ceramic phono- 100 mv , center channel- 150 mv . Inputs-Reverb, Center channel, phono (all inputs use RCA jacks and require leads with RCA.plugs). Space-age solid state circuitry. Front panel volume control with push type on/off switch. Rear panel AC convenience jack. Size: $117 / 4 \mathrm{~W} \times 84 / 4 \mathrm{H} \times 57 / \mathrm{B}=\mathrm{D}$. For 117 VAC 60 Hz . Imported. Shpg. wt., 8 lbs.
99 fo 02446 W No Money Down"
Net 34.95
Net 34.95

## TOP QUALITY UTAH HI-FI SPEAKER and SPEAKER SYSTEMS


(A) Model BCBPC-3. 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. Powerful, high compliance woofer has cloth roll suspension for low, smooth bass, down to 28 Hz . Separate midrange cone for distortion-free middle frequencies. Cone type super tweeter disperses ciean, brilliant high frequencies up to $19,500 \mathrm{~Hz}$. Solderless terminals are phase coded. Power hardiling: 35 watts. Impedance: 8 ohms. Shog. wt., 7 lbs.
21 F 47296WX
Net 29.95
(B) NEW Model HF 8JXC-3-Quality $8^{\prime \prime}$ co-axial speaker. Rigid, die cast frame. $31 / 2^{\prime \prime}$ co-axially mounted cone type tweeter. Cloth roll to enhance bass performance. Spring loaded, finger tip terminals. Voice coil 1", Peak Power handling capacity 30 watts. Freq. Response $32-20,000 \mathrm{~Hz}$. Resonance 55 Hz . 1 mp . 8 -ohms. Overall depth $35 /{ }^{\circ}{ }^{\circ \prime}$. Shpg. wt., 5 lbs.

## 21 F 47312

Net 24.95
(C) NEW Model HF12PC-H-Quality 12" 3-way Co-Axial Speaker. RIgid, die-cast frame. Newly designed co-axially mounted compression tweeter. Spring loaded finger-tip terminals are color coded for easy phasing in stereo systems. Magnet weight 20 02. V.C. 11/2". Peak Power handling capacity 45 watts. Resonance 25 Hz . Response $23.20,000$ Imp., 8 ohms. Overall depth $57 / \mathrm{s}^{\prime \prime}$. Shpg. wt. 13 lbs. 21 F 47304 W No Money Down*

- See Pupe I/ for Finll Cradie Detuils on Eiasy Pay Plan

(D) NEW Model A100-Deluxe 3-Speaker 3-way acoustic Suspension System. Constructed of $3 / 4^{* \prime}$ wood, veneered with the finest walnut, hand subbed finish. $12^{\prime \prime}$ high compliance woofer, $2^{\prime \prime} \times 6^{\prime \prime}$ midrange compression horn; $31 / 2{ }^{-2}$ super tweeter. Freq. Response 28-19,500 hz, Power Handing; 30 watts program, 60 watts peak. Impedance 8 -ohms. Size: $14 \mathrm{H} \times 23 \mathrm{~W} \times 10$ "D Shpg. Wt., 35 lbs . 21 F 47320 WX No Money Down*

Net 99.95
(E) NEW Model As0-3 speaker 3-way Acoustic Suspension System: Feature 12" woofer, $8^{\prime \prime}$ direct radiator midrange, and a $31 / 2^{\circ}$. tweeter in a completely sealed enclosure constructed of $3 / 4$ inch wood. Handsome oiled walnut finish. Frequency response: $28.18,000$ Hz . Power Handling: 30 watts program, 60 watts peak. Impedance: 8 ohms. Size $14 \mathrm{H} \times 23 \mathrm{~W} \times 10^{\prime \prime} \mathrm{D}$.
21 F 47338 wx Shpg. wt., 33 lbs. No Money Down*.
Net 89.95

## Acoustic Suspension Speaker Systems by

AR SPEAKER BASES


Size: $11 \times 141 / 2 \times 13$
Shipping Welght 4 lbs.
21 F 72419 w Olled Wal. ...... Net 7.50
21 F 72401 W Unf. Birch ...... Net 7.50

## 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.

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



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

No Money Down"

## As Low As 890 <br> No Money Down ${ }^{*}$

## As Low As 1090

No Money Down


As Low As $156^{\circ}$
No Money Down*

As Low As 2250
No Money Down*

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 control to compensate for different acoustic conditions of your listening room. Electrical crossover frequency is 1200 Hz . A compact ( $19 \mathrm{~W} \times 10 \mathrm{Hx} 9^{\circ} \mathrm{D}$ ) unit for floor or shelf-mounting. Suitable for use with ampliflers of 15 watts or more per chan. Imp: 8 ohms. Shpg, wt., 23 lbs. 21 F 72492 wX Oiled Walnut

Net 63.00 21 F 72500wx Unfinished Pine

Net 57.00

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

Designed for use with any high quality amplifier supplying 20 watts or more over the entire audio range. Incorporates a $10^{\prime \prime}$ acoustic-suspension woofer (with crossover at $2,000 \mathrm{~Hz}$.) plus a $21 / 2^{\prime \prime \prime}$ direct radiator tweeter assembly. Frequency response $42-15,000 \mathrm{~Hz}$. $\pm 21 / 2 \mathrm{db}$; down 10 db . at 30 and $17,000 \mathrm{~Hz}$. Harmonic Distortion, under $2 \%$ down to 60 Hz ; under $3 \%$ down to 50 Hz . at 10 watts. Imp. 8 ohms. Finished on 4 sides. $24 \times 111 / 2 \times 131 / 2^{\prime \prime}$ Shpg. wt., 32 lbs. 21 F 72450 WX Olled Walnut Net 102.00 21 F 72468wx Unfinished Pine Net 89.00

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

Precisien-made components plus the famous acoustic suspension design de-
 $31 / 2^{\prime \prime}$ direct radiator mild-range for reallsm and a $3 / 4^{\prime \prime}$ dome type super tweeter providing highs out to the limts of audibility. Frequency response, $42-20,000 \mathrm{~Hz} . \pm 21 / 2 \mathrm{db}$. Less than $2 \%$ harmonic distortion down to 60 Hz . Has 2 level controls. Designed for use with amplifiers rated at 20 watts or more. Finished on 4 sides. $24 \times 111 / 2 \times 131 / 2^{\prime \prime}$. imp.: 8 ohms. Shpg. wt., $411 / 2 \mathrm{lbs}$. 21 F 72070Wx Diled Walnut Net 128.00 21 F 72054WX Unfinished Pine Net 109.00

## AR-5 3-WAY ACOUSTIC SUSPENSION SYSTEM

Newest AR bookshelf system! Provides superb full-range frequency response, System features a new $10^{\circ}$ acoustic suspension woofer utilizing AR's most advanced cone design, $11 / 2^{\prime \prime}$ mid-range and $3 / 4$ " 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. Recommended ampli. fier power: 20 watts per channel. Size, $131 / 2 \times 24 \times 111 / 2^{\prime \prime} \mathrm{D}$. Shpg. Wt., 46 libs. 21 F 72716 WX Oiled Walnut Net 175.00 21 F 72724WX Unfinished Pine

Net 156.00

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

Acoustic Research's finest speaker system. Features a powerful 12" woofer with $31 / 4 \mathrm{Ib}$. magnet, hemispherical direct radiators for the mid-range and tweeter units with $11 / 2^{\prime \prime}$ and $3 / 4$ "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 $5 \mathrm{kHz} \mathrm{up}$. power requirements: 25 watts (RMS) per channel. Impedance: 4 ohms. Cabinet finished on 4 sides. Size: $14 H \times 25 W \times 113 / 8^{\prime \prime}$. Shpg. wt., 61 lbs . 21 F 72658wX Olled Walnut 21 F 72708wx Unfinished Pine

# NEW <br> Model 33 10" Controlled Acoustic <br> Compliance Speaker System 

## 10* Low Resonance High Compliance Woofer <br> High Frequency Driver <br> $99^{95}$

Deluxe two-way loudspeaker system housed in an ofled walnut cabinet which measures $235 / 8^{\prime \prime} \times 1234^{\prime \prime} \times 10^{\prime \prime} \mathrm{Kig}^{\prime \prime}$ and is finished on all four sides, Both the low and high frequency drivers are cone direct radiators. The $10^{\prime \prime}$ woofer delivers natural bass down to 40 cycles. The tweeter is designed to provide remarkable Iinearity to $20,000 \mathrm{~Hz}$. LCR crossover network at 1500 Hz . Use with 10 watt amplifier or better. Imp. 8 ohms.
21 f 442 s w No Money Down*. Shpg. wt., 33 lbs. ........ Net 99.95


Model Seventeen $10^{\prime \prime}$ 2-Way Acoustic Suspension System Full-range wo.way system offering high level of musical eñjoy. ment. 10" acoustic suspension woofer provides extended bass response; $13 / 4^{\prime \prime}$ direct radiator type tweeter provides smooth peakfree highs as well as exceptional performance at the mid-frequencies. 3-position high frequency control permits matching the system to any acoustic environment. Housed in a completely sealed, fiberglass filted, olled walnut, $3 / 4^{\prime \prime}$ furniture grade cabinet. All four sides finished for vertical or horizontal placement. Impedance: 8 ohms. For use with amplifiers of 12 watts IHF or more. Size: $111 / 4$ $\times 231 / 8 \times 9$ "0 Shpg. Wt., 30 lbs.
21 f 44210 W No Money Down*
Net 74.95
Model Twenty-Two 8" 2-Way Acoustic Suspension System
Big enough to have all the requirements for excellent performance, Yet small enough to fit unobtrusively into any living room. Bass frequencies are reproduced through the use of an $8^{\prime \prime}$ acoustlc suspension woofer; mid and high-frequency performance is provided by a 2 " direct radiator tweeter. Tightly sealed cabinet is olfed walnut finished on all four sides for vertical or horizontal placement. Impedance: 8 ohms. For amplifiers with as little as 12 watts 1 HF per channel. Size: $18 \times 101 / 4 \times 7 y_{4}$ "D. Shpg. wt., 20 lbs.

Net 54.95

## N/yNaCD"A 25 " APERIODIC 10" 2-WAY LOUDSPEAKER SYSTEM

## - $10^{-}$Extended Range Woofer

- Soft Dome Tweeter
- Acoustic Impedance Enclosure Principle Non-resonant aperiodic design conibines with acoustic 1 mpedance 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. Noninductive Crossover Network of 1500 Hz . 5 -position tweeter control. Power handiling: over 60 watts (RMS). Freq. Response: $25-20,000 \mathrm{~Hz}$. Impedance: 8 ohms. Wall mounting brackets are provided for hanging the speaker flush on the wall. Oifed walnut finish. Size: $20 \times 111 / 2 \times$ $10 \mathrm{NO} . \mathrm{Shpg}$ wt., 22 lbs.
21 F 23545 W
Net 79.95




## NEW MODEL W60E 3-WAY SHELF/FLOOR SPEAKER SYSTEM

Redesigned $121 / 2 "$ woofer with molded one-piece cone, high excur. sion neofrene surround, and masslve $91 / 2$ lbs, magnet assembly. 5* midrange, in isolated non-reflecting cylindrical chamber, 1" mylar dome super tweeter has phase compensating diffuser. Ali speakers are front-loaded. Genuine olled wainut cabinet. Response: $30-20,000$ Hz; Impedance $4-8$ ohms. Power: Min. 10 watts, Max. 50 watts (IHF per channel). Slize: $24 \times 15 \times 12^{-1}$ deep. Imported.
21 F 75537wX No Money Down*. Shpg. wt., 56 lbs.
Net 129.95


- Use Free Standing
or Tuck Away In Room Corners
$69^{95}$


## NEW MODEL W35 3-WAY SHELF/CORNER SPEAKER SYSTEM

Exceptional performance from heavy-duty $8^{\prime \prime}$ woofer, $34 / 4^{\prime \prime}$ mid-range and $21 / 2^{\prime \prime}$ ultra-curvilinear tweeter. Components are front-loaded to reduce cabinet edge reflections. Air-tight, sturdy cabinet is genuine olled walnut. Response: 35 to $18,500 \mathrm{~Hz}$; Impedance 8 ohms. Power: Min. 10 watts; Max. 40 watts (IHF per channel). Dimensions: $15^{\prime \prime} \mathrm{x}$ $15^{\prime \prime} \times 8^{\prime \prime}$ deep.
21 F 75552 W Shps. wt., 24 lbs ,
$\qquad$ Net 69.95
21 F 75560 W Corner mig. bracket- $11 / 2$ lbs. Net 3.40


- 15" Woofer with $10^{1 / 2} \mathrm{lb}$. Magnet Assembly
- 5 Midrange
- 1"Super Tweeter
$189^{50}$


## NEW MODEL WTOE 3.WAY FLOOR STANDING SPEAKER SYSTEM

Fine furniture decor and quallty; exquisitely styled. Big $15^{\prime \prime}$ woofer uses long.throw, high compliance suspension and massive $101 / 2$ lbs. magnet assembly. Midrange is special $5^{\prime \prime}$ unit with high compliance suspension in separate cylindrical chamber. New 1" mylar dome omnidirectional super tweeter has compensation diffuser to reduce phase distortion. New "unitized" cabinet construction. Genulne olled walnut cabinet. Response: $25-20,000 \mathrm{~Hz}_{\text {; }}$ Impedance $4-8$ ohms. Power: Min. 15 watts, Max. 50 watts (IHF per channel). Size: $24 \times$ $223 / 4 \times 133 / 6$ " deep. Shpg. Wt., 72 lbs. Imported. 21 F 75545wX No Money Down*

Net 189.50


## - $8^{\prime \prime}$ Woofer

- New ultra-curvilinear tweeter
- Genuine oiled walnut

$$
49^{95}
$$

## NEW MODEL W25 COMPACT 2.WAY ACOUSTIC SUSPENSION SPEAKER SYSTEM

Big $8^{\prime \prime}$ woofer provides rich, deep bass. Crystal clear treble from a new ultra-curvilinear tweeter for smooth, wide-angle dispersion of sound. Components are front-loaded. Cabinet Is genuine olled walnut and uses new "unitized" construction to eliminate spurious buzzing. Response: $35-18,500 \mathrm{~Hz}$; Jmp. 8 ohms. Power: Min, 10 watts, Max. 35 watts (IHF per channel). Size: $151 / 2 \times 10 \times 8$ "D. Imported.

21 F 75578 w Shpg wt., 14 lbs
Net 49.95


[^5]
## LAFAYETIE, Rectilinear, and Harman-Kardon Speaker Systems harman kardon hk. 50 OMNI.DIRECTIONAL SPEAKER SYSTEM



## $95^{00}$

Produces a natural blend of direct and reflected sound dispersed over $360^{\circ}$ for full stereo effects anywhere in your room. Has $8^{\prime \prime}$ woofer and $21 / 4^{-1}$ tweeter. Handsome hand rubbed oiled wainut enclosure will add to your room decor. Frequency response: $35-20,000 \mathrm{~Hz}$. Power handiling: 40 watts. Impedance: 8-ohms. Size: $103 / 4^{*}$ square $x$ $18^{\prime \prime} \mathrm{H}$. Shpg, wt., 20 lbs. 21 F 42826 W

Here is a multidirectional acoustic suspension system that provides undeniably realistic sound in any room ... and with virtualiy any arrangement placement is not critical. Use 2 anywhere in the room...sit where you like-hear a natural blend of direct and refiected $360^{\circ}$ sound. Features a powerful $10^{\circ}$ woofer with a 40.6 oz . magnetic structure and a $11 / 4^{\prime \prime}$ voice coll, plus a direct radiator type $31 / 2^{* \prime}$ super tweeter. Handsome hand rubbed oiled walnut finish with charcoal brown grill cloth. $6 \mathrm{db} / 0 \mathrm{ctave}$ crossover net. work at 2600 Hz . Freq. Response: $50-20,000 \mathrm{~Hz} \pm 10 \mathrm{db}$. Power handling capacity: 40 watts. Brilliance level control. Impedance 8 ohms. Size $13^{\prime \prime} \times 13^{\prime \prime} \times 191 / 4^{\prime \prime}$. Imported. Shipg. wt., 29 lbs. $9 \&$ F 02438 W

## RECTLLINEAR BOOKSHELF AND CONSOLETTE SPEAKER SYSTEMS

## NEW MODEL XI 2-WAY BOOKSHELF SYSTEM

## Handies up <br> to 40 watts

- Response 45 to $17,000 \mathrm{~Hz}$

Iwo-way speaker system utilizing an extended range $8^{\circ}$ woofer and an extended. range $3^{\prime \prime}$ tweeter. The enclosure uses tube. vented bass reflex design for high efficiency without loss of bass response at 1800 Hz . Minimum Power Requirement. 10 watts Max. Power 40 watts. Response 45 to 17,000 Hz . Tweeter level control. Oiled walnut wood cablnet. Size: $23 "^{\prime \prime} \times 12^{\prime \prime} \times 1042^{\prime \prime}$. Shpg. wt., 28 lbs.
21 F 86054W No Money Down* Net 69.95

## NEW woins men BOOKSHELF SYSTEM

Designed to provide the listener with a loudspeaker of more accurate response and lower distortion without exceeding the di. mensions of a bookshelf type system. Util. Izes a $10^{\prime \prime}$ woofer, $5^{\prime \prime}$ midrange with a $2^{\prime \prime}$ wizzer cone, and $21 / 2$ " tweeter. Completely enclosed cablnet incorporates an airtight internal shelf that isolates the woofer from the midrange and tweeter. Freq. response $30-20,000 \mathrm{~Hz} \pm 4 \mathrm{db}$. Crossoper Freq. 100 Hz and 8000 Hz . Oiled walnut finish. Impedance 4 -ohms. Size: $25^{\prime} \times 14^{\prime \prime} \times 103 /^{\prime \prime}$.


MODEL III 6 SPEAKER 4-WAY CONSOLETTE SYSTEM


Provides concert hall realism. Brilliant, smooth response from 22 to $18.500 \mathrm{~Hz} .12^{\prime \prime}$ woofer 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 tweeters cover the 3,000 to $11,000 \mathrm{~Hz}$ range with two additional super tweeters carrying audio frequencies to inaudibility. Imped ance: 8 -ohms. Oiled walnut finisn. Size: 35 $\times 18 \times 121 / 4 \times 0$.
21 F 86039WX Wt, 70 lbs .
Net 279.00

## Easy-to-Assemble LAFAYETTE Speaker Enclosure Kits The Famous ELIPTOFLEX ${ }^{\circ}$ 12" Speaker Enclosure

In Ready-To-Finish, Easy-To-Assemble Kit Form


- 3 Sides Prepared for Finishing
- Designed for Horizontal Placement
- Provides Optimum Performance Without

Use, of Expensive High Power Amplifiers
specially engineered diffracting ring eliminates cancellation effects between front and rear radiation. The "Eliptoflex" achleves a degree of natural smoothness. Iow distortion and rich robust bass. Due to its highly efficient design characteristics, costly high wattage ampli. fication is not required. The kit is avallable in ready to finish birch. Assembled the "Eliptofiex" measures $14 \mathrm{H} \times 237 / 8 \mathrm{~W} \times 13 \mathrm{~K},{ }^{\circ} \mathrm{D}$. Shpg. wt., 34 lbs.

20F01105W. Ready-to-Finish Kit in Birch
Net 24.95

## LaFAYETTE Bass Reflex Spazker Bookshelf Enclosure Kit

## Not $1 / 2^{\prime \prime}$ But 3/4" Furniture Grade White Birch Plywood



## onve $15^{95}$

For $8^{\prime \prime}$ or $6^{\prime \prime}$ Speakers

- Precision Cut-Fits Together Smoothly
- Adapts For $8^{\prime \prime}$ or 6" Speakers
- Easy To Follow Pictorial Instructions
- Versatile-Use As Floor or Bookshelf Enclosure

BUILO IT YOURSELF . . Expensive woodworking equip. ment isn't needed-each cabinet component has been precision cut and fits together perfectly, There's nothing else to buy... acoustic padding, grili cloth and hardware are provided. Use any $8^{\prime \prime}$ or $6^{\prime \prime}$ speaker; the mounting board has been precut for 8 " speakers and an adapter is supplied for $6^{n}$ speakers.
Designed for horizontal placement in a bookshelf, along a wall, etc. Constructed of veneer on 3 sides with hand: some picture frame molding. Dimensions: 23 $\times 91 / 2 \times 11^{\prime \prime}$. Unfinlshed Blirch Kit. Shpr. wt., 22 lbs.
20 F 01121 $w$.

# OUR FINEST HI-FI SPEAKER ENCLOSURE KIT Deluxe Universal Floor-Standing Hi-Fi Enclosure Kit 



- Easy To Assemble


## - 3/4" Wood Construction

All pieces of this carefully designed high fldelity speaker enclosure are accurately pre-cut of $3 / 4^{\prime \prime}$ lumber to ift snugly together and virtually eliminate all spurious resonances. White birch surface is finished on all 4 sides for either high of low boy styling. Front panels feature edge moulding and plastic acoustic grilles to blend with any finish and room decor. Lined with acoustic material that prevents reverberation and cabinet resonance. Fiexible design includes cut-outs for $15^{\prime \prime}$ woofer (with $12^{\prime \prime}$ adapten), $81 / 2$ or $8^{\prime \prime \prime}$ mid-

- Ideal For Single Wide Range, 2-3-Way Speaker Systems
- Precision Cut-Fits Together Smoothly
range (with 6" sdapter), and adspters to accomodate elther round or rectangular tweeters. Separate wood blanks ape supplied if no midrange speaker or tweeter is used. Kit is supplied unfinished, smoothly sanded and ready for finishing. Dimensions (less base) $27^{\prime \prime} \mathrm{H} \times 22^{\prime \prime} \mathrm{W} \times 16^{\prime \prime} \mathrm{O}$. Island type base is $2 \frac{3}{}{ }^{\prime \prime}$ "high. Complete with instructions, all parts, hardware, and grille. Shpg. wt., 58 lbs. 20 F 01493 Wx No Money Down*

Heavier Construction
Heavier Construction
Fully-Cured $\mathbf{3} / 4^{\prime \prime}$ Lumber

Smoothly Sanded Ready for a Fine Finish
r


Supplied with Interior Acoustic Padding
Precision Design
Parts Fit Alr-Tight

## LAFAYETTE Hi-Fi Component Shelf/Console

Oiled Walnut Finish


- Room For All Your Components
- Sturdy 3/4" Non-Wrap Wood Construction
- Holds Over 150 Records
- An Attractive Addition To Any Home-Place Along A Wall Or Use As A Room Divider The Ideal answer to your Hi-Fi Stereo component placement problems - measures $62 \frac{12}{2 \prime \prime}$ long, yet holds over 150 records with more than enough room for your amplifier, turntable or record changer, tape deck and stereo speakers. Veneered rear panel, finished on both sides, permits its use as a room divider. Speaker compartments spaced to achieve proper separation for stereo. Shipped knocked down -assembles in minutes. Shpg. wt., 79 lbs. Diled Walnut Finish on Genuine Wainut Veneered Flake Core.
20 F01147Wx No Money Down*
Net 64.95
Unifnished Flake Board
20 F 01154 WX No Money Down*
Net 39.95


## DIMENSIONS

| Top Shelf | Speaker Compartments |
| :---: | :---: |
| 11 "Hx16"D×311/2"W | $27^{*} \mathrm{H} \times 16^{\prime \prime} \mathrm{D} \times 143 / 4^{*} \mathrm{~W}$ |
| Lower Shelf | Overall Dimensions |
| 151/4"H×151/2"D×311/2"W | $333 / 4{ }^{* H} H \times 16^{\prime D} \mathrm{D} \times 621 / 2^{*} \mathrm{~W}$ <br> (including $5^{*}$ legs) |

27"Hx16"Ox143/4"W
 (including $5^{*}$ legs)


## Finest LAFAYETTE Hi-Fi Speaker Enclosures

## Deluxe LAFAYETTE "Consolette" Speaker Enclosure

## LAFAYETTE 12" Bookshelf Speaker Enclosure

$59^{95}$
No Money Down*


- Solid 3/4" Wood Construction

A low price for a deluxe speaker enclosure of this quality and Beautiful, olled walnut veneer $12{ }^{\boldsymbol{\omega}}$ bookshelf speaker enclosure with fiexibility. Provides rlch, robust bass. Solldly constructed of $3 / 4^{\prime \prime}$ picture frame moulding. Features quality construction plus contemgenulne veneer and acoustically correct flakeboard. Designed to porary styling. Custom designed to accept alf $12^{\prime \prime}$ speakers, inachleve optimum performance from a separate $12^{\prime \prime}$ or $15^{\prime \prime}$ full range cluding 2 and 3 way types. Solid $3 / 4^{* \prime}$ wood construction. Dual 3-way speaker or a 2 -way or 3 -way system. Cutouts are provided for vented port design plus fibergtass iling gives tmproved bass a $15^{\prime \prime}$ bass speaker and an $8^{*}$ mid-range with adapters to convert response. Acoustically transparent brown tweed grill cloth lets the to a $12^{\prime \prime}$ bass and a $6^{\prime \prime}$ mid-range. Tweeter cut-out accommodates sound come through without attenuating the highs. All four sides both round and rectangular units. Size: $29 \times 22 \times 16^{\circ} \mathrm{D}$. Shpe wis $673 / 4 \mathrm{lbs}$.
20 F 01451wx Olled walnut finish

## LAFAYETTE 8" Speaker Bookshelf Enclosure



- Ideal For Use With All 8" Wide Range Hi-Fi Speakers - Solid 3/4" Wood Construction


## Only <br> $19^{95}$



Handsome, decorator styled bookshelf speaker enclosure. Finished in olled 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 grili cloth. Back has two lug terminal strip. $18 \times 11 \times 9^{-}$deep. Shpg. wt., 19 lbs.
20 F $01519 w$
Net 19.95

## The Amazing LAFAYETTE Sound Reproducer

## Turns virtually any Surface into a Speaker

Remarkable concept in providing sound aimost anywhere. Coneless reproducer attaches to wall, doors, cellings, 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 solid-state or tube equipment. Can be used in a car. Builtin magnet for attaching to metal objects and screw for attaching to wood, plastic, etc. Size: $2^{*}$ dia. $\times 11 / 2^{*} \mathrm{H}$. Shas. wf., 1 lb .
21 F 01590 16.

Net 7.95

## ONLY



MADE IN
U.S.A.


## Attractive Cabinet Kits For Records and Components


(B) COMBINATION RECORD AND COMPONENT CABINET


## [A COMBINAIION RECORD AND COMPDNENT HUTCH

Handsomely styled hutch designed to accom. modate your high fidelity components, records, and tapes. Can also be used to store books. 2 shelves are adjustable for placement of your tape recorder, phonograph, or even a television set. Oiled walnut finish on
(B) COMBINATION RECORD

Stribing contemporary design in a cabinet made specially for installation of your high. fidelity components and records. Provides maximum capacity for areas where space is limited. Cabinet is shipped knocked down in easy 40 -assemble form complete with all
hardboard. Comes knockeddown. Simple to assemble with easy. to follow instructions. Includes all mounting hardware. Overall size: $63^{\prime \prime} \mathrm{H} \times 141 /{ }^{\prime}{ }^{\prime \mathrm{D} \times 24}{ }^{\prime}$ W. Lower compartment with sliding doors $16^{\circ} \mathrm{H} \times 14 \mathrm{M} / 4^{\prime \prime} \mathrm{D} \times 24^{\prime \prime} \mathrm{W}$.
20 § 23018 wx Shpg. wt., $70 \mathrm{lbs} . .$. Net 59.95

## AND COMPONENT CABINET

necessary instructions and hardware. Olled walnut finish on hardboard. Overall measurements $36^{\prime} \mathrm{W} \times 16^{\prime \prime} \mathrm{D} \times 30^{\prime \prime} \mathrm{H}$. Inside measure ments: Record storage section 15 "H $\times 15$ "D: Component shelf section $16^{\prime \prime} \mathrm{Dx} 9^{\prime \prime} \mathrm{H}$. 20 F 23026 WX Shpg. wt., 33 lbs. .. Net 27.95

DELUXE ALL PURPOSE RECORD CABINET

ALL PURPOSE RECORD CABINET


Roomy storage section with sliding doors allows for dust-free storage of up to 200 records. Sturdy construction. Mar-proof, walnut Stvile finish. Size: $291 / 2 \times 151 / 2 \times 25$ ". Easily assembled. Wt., 24 lbs. 20 F 58063w

Net 12.95


- Stores Up To 200 Records



## LAFAYETTE Quality Record Changers at Popular Prices

 Deluxe LAFAYETTE AC5OB 4-SPEED AUTOMATIC PUSHBUTTON STEREO RECORD CHANGERWith Stereo Turnover Ceramic Cartridge and Diamond LP Needle

- 4-Speeds: 16, 33½, 45, 78 RPM
- Pushbutton Operation for Automatic Play, Manual Play, Stop
- Automatic Shut-Off After Last Record
- Intermixes Records of the Same Speed
- Professional, Single Lever Cueing
- Low Mass, Aluminum Tone Arm
- Heavy-Duty, Constant Speed Motor
- 2 Spindles: Manual, Center Drop for Automatic Play
- Main.Plate has Beautiful Leather-Like Finish
- Chrome Plated Plug-in Head

A superb, 4-speed automatic record changer with professional single lever cuejng. Handsomely styled and engineered to provide the highest standard of performance and dependability. Ideal for playing both stereo and monaural $12^{\prime \prime}, 10^{\circ}$, and $7^{\prime \prime}$ records. Can play up to 7 records athomatically. Intermixes records of the same speed. Shuts off after last record has been played. Features oversized turntable with ribbed record mat; one-piece low mass cast aluminum tone arm; 4 -position speed selector slide switch; two spindles: 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 turnover cartridge with diamond LP needle. Maln-plate has beautfful leather-like finish with black rubber turntable mat and chrome trim. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: $13 \mathrm{~V} / \mathrm{Wx} 11^{\prime \prime} \mathrm{D}$. Requires $3 \mathrm{~K}_{0}{ }^{*}$ above and $3^{\prime \prime}$ below motor board. Imported. Shpg. wt., 8 Ibs.

## 21 F 01699 w

Net 29.95
ACCESSORIES FOR MOOEL ACSOB
21 F 01657 w Walnut Wood Base. Shpg. wt., 2 Ios. Net 4.95
24 F 09043W Plastlc Dust Cover. Shpg: wi., $11 / 2$ los.
Net 4.50
21 F 0167345 RPM Spindle. Shpg. wt., 402.
Net 1.95
21 F 01665 Replacement Stereo Cartridge. Shpg, wt., 3 oz.


## Model MC-22

A versatife, dependable 4 -speed automalic stereo record changer premounted on a simulated Black Leather base with walnut vinyl trim-completely ready to plug into your audio equipment. Especially sulted for bookshelf 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 dynamically 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 listed AC cord, and all audio cables. Size includes

Base): $143 \% \times 5 \times 10^{\prime \prime}$. Shpg. wt. 7 lbs . For $110-130$ volts AC. 60 Hz . Made in England.
21 F 01632 W No Money Down

## ACCESSORIES FOR MODEL MC-22

24 F 02386 Replacement Diamond LP Needie. Wi., 301.
24 F 0258845 RPM Spindle. Wt. 3 oz.

Net 2.49
Net 1.49
only 3495 No Money Down*
Pre-Mounted on a simulated Black Leather Base with Walnut Vinyl Trim, Heavy Gauge Tinted Plastic Dust Cover, and Diamond Needle Cartridge.

- Perfect Companion For Shelf Component 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


# Professsional Automatic Stereo Turntables by united YOUR CHOICE OF ELLIPTICAL STEREO CARTRIDGE alldiO Dual <br> 1more With Purchase of A Dual Turntable <br> <br> \section*{For Only} <br> <br> \section*{For Only} <br> Pickering V15/ATE. 3 <br> Shure M9 39.95 <br>  <br>  <br> For Only 00 Pickering Phase IV/AME 49.95 Shure M91E 49.95 <br>  <br> From Individual Catalog Prices <br> <br> \section*{SAVE $44^{55}$} 

 <br> <br> \section*{SAVE $44^{55}$}}

## Dual 1219 Professional Automatic Turntable

 With Choice of Stereo Elliptical CartridgeDual's finest automatic stereo turntable combines unrestricted thexibility of operation with complete professional quality. Three speeds: $331 / 3,45$, and 78 RPM. Fully automatic and manual operation. Two spindies: Multiple play-holds up to 6 records, and rotating single play. Mode selector lowers tone arm base to provide perfect $15^{\circ}$ stylus tracking (zero degree vertical tracking error) when set for single play, and raises the tonearm base for multiple play. True fourpoint gyroscopic gimbal suspension for virtually friction-free tonearm movement. Separate antiskating for conical and eiliptical styil. Adjustable stylus overhang. Full $12^{\prime \prime}$ diameter turntable with dynamic ally balanced 7 lb . platter. Synchronous/continuous pole motor com. bines high torque with absolute speed accuracy regardiess of line voltage. Cue control system is damped to prevent bounce. Counter balance is elastically damped and has 0.01 gm . click stops for precision balancing. Pitch control for "Iuning" records over a 6\% range. $110 / 220$ VAC 60 Hz . Size: $14 \mathrm{~K}_{0} \mathrm{Lx} 12^{1 / 2 \mathrm{WW}, 6^{\prime \prime}}$ above and $3^{\prime \prime}$ clearance below rotor board. Imported. Shpg. wt., $181 / 2 \mathrm{lbs}$ 21 F 65027 wX 1219 Less Cartridge

Net 175.00 21 F 65959 WXM 1219 Plus Plick. V15/ATE-3. Net 175.00 21 F 68011 XXM 1219 Plus Shure M93 Net 175.01 21 F 58029 XX 1219 Plus Pick. Phase TV/AME _.........Net 160.00 21 F 68037 WXM 1219 Plus Shure M91E Net 180.00
Net 180.00

## Dual 1209 Auto/Professional Turntable With Choice of Stereo Elliptical Cartridge

Deluxe Auto/Professional stereo turntable with a new synchronous Hi-Torque motor. Three speeds: $331 / 3,45$, and 78 RPM . Automatic or manual operation. Multiple Play spindle holds up to 6 records. Dynamically balanced tonearm has damped counterbalance. Flawless the gram tracking. Tubuiar leathertouch cue control for auto and manual starts. Separately calibrated anti-skating scales for conical and elliptical styll. Rotating single-play spindle. Pitch contpl. Direct dial tracking force set around pivot. Size: $121 / 4 \times 10^{\prime 2} /^{\prime \prime}, 6^{\prime \prime}$ above and $3^{3 "}$ clearance below mounting board. 110/220 VAC. 60 Hz . Imported. Shpg. wt., 15 lbs.
21 F $65819 w x 1209$ Less Cartridge
Net 129.50
21 F 65918 WXM 1209 Plus Plick. V15/ATE-3
21 F 68045 WXM 1209 Plus Shure M93E Net 129.51 21 F 68052 WXM 1209 Plus Pick. Phase IV/AME ———n Net 134.50 21 F 68060WXM 1209 Plus Shure M91E $\quad$ Net 134.50

## New Dual 1215 Automatic Turntable With Choice of Stereo Elliptical Cartridge

Quality $\mathbf{3}$-speed stereo turntable with new improved, low mass counterbalanced tonearm. Tracks flawlessly as low as 1 gm . Features direct dial tracking force, synchronized anti-skating, plitch control for all three speeds: $331 / 3,45$, and 78 RPM, silicone damped cue control, and adjustabie stylus overhang. Multiple play spindle holds up to 6 records. Size: $123 / 4 \times 101 / 2^{\prime \prime}, 6^{\circ}$ above and $3^{\prime \prime}$ clearance below mounting board. $110 / 220 \mathrm{VAC}$, 60 Hz Shpg. wt., $141 / 2$ lbs. 21 F 68003 w 1215 Less Cartridge Net 99.50 21 F 68078 WM 1215 Plus Pick. V15/ATE-3 Net 99.51 21 F 58086wM 1215 plus Shure M93E Net 99.51
Net 99.51 21 F 68094WM 1215 Plus Pick. Phase IV/AME _...................... 104.50 21 F 68102 WM 1215 Plus Shure M91E

Net 104.50

## ACCESSORIES FOR DUAL TURNTABLES

| Stock No. | $\begin{aligned} & \text { MFG. } \\ & \text { No. } \end{aligned}$ | Description | For | Shpg. Wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 21 F65833W | W12 | Walnut Base | 1215, 1209 | 4 lbs. | 10.95 |
| 21 F 66007W | W19 | Walnut Base | 1219 | 4 lbs. | 14.95 |
| 21 F 65843W | DC2 | Oust Cover | WB12 Base | 2 lbs. | 10.95 |
| 21 F 66015w | DC9 | Dust Cover | WB19 Base | 2 fbs. | 12.95 |
| 21 F 65868 | CH12 | Cart. Molder | $\begin{aligned} & \text { 1215, } 1209, \\ & 1219 \end{aligned}$ | 602. | 3.95 |
| 21F65850 | AS12 | 45 Spindle | $\begin{aligned} & 1215,1209, \\ & 1219 \end{aligned}$ | 602. | 5.55 |

MODEL 1215
Less Cartridge

MODEL 1215
With Choice Of Deluxe Ellip. Cart.

MODEL 1215 With Choice of Super Elitip. Cart.
$104^{50}$
Less Base

## SAVE 팡 $44^{95}$

From Individual Catalog Prices
Your Choice of ELLIPTICAL STEREO CARTRIDGE For Only 1 C or 500 More with Purchase of a Garrard Turntable listed on Page 68 or 69


See Listing Under Each Turntable See Page 76 For Cartridge Description


Plays $331 / 3,45$, and 78 RPM Records. Features Synchro-Lab Motor. Dynamically balanced, low mass aluminum tonearm; fully adjustable counterwelght; patented, anti-skating control. Record safety platform. Viscous damped single control cueing/pausing. Automatic and rotating manual spindle. All connecting cables. For $110-130 \mathrm{~V} 60 \mathrm{~Hz} \mathrm{AC}$.
 Wt. 13 lbs. less base.
21 F 40457WX 54.75B onty
Net 109.50
21 F 40721WXM SL75B plus Pickering V15/ATE-3
21 F 40903 WXM SL75B plus Shure M93E
21 F 40887 WXM SL75B plus Pickering Phase IV/AME.
21 F 40895WXM SL75B plus Shure M91E

Net 109.51 Net 109.51 Net 114.50 Net 114.50

## SL95B 3 SPEED ADVANCED AUTOMATIC TRANSCRIPTION TURNTABLE with Choice of Elliptical Stereo Cartridge

$129^{50}$
less cartridge, less base
$129^{51}$
choice of deluxe elliptical cartridge, less base
$134^{50}$
choice of super ellip tical cartridge, less base

No Money Down*
Garrard's finest 3 -speed Automatic Stereo Transcription turntable with synchronous motor for perfectly constant speed. Plays $331 / 3,45$, and 78 RPM Records. Advanced uftra-low mass tonearm of Afromosia wood set into aluminum, floats virtually friction free on lewel-like pivots in gyroscopically gimballed mounting. Fully adjustable counterweight. Fully damped single-control cueing/pausing. Viscous damped slow descent of tonearm during manual and automatic play. Exclusive 2 -point record support at center and edge during automatic play. Permanently accurate anti-skating control of patented sliding weight design. Calibrated stylus pressure gauge adjustable in $1 / a$ gram increments with window scale for easy reading. Slide-in cartridge clip. Full size, light-weight turntable. Two interchangeable spindles. Alf connecting cables For 110.130 V 60 Hz AC Slze: $15 \mathrm{~K}_{1}{ }^{\mathrm{W}} \mathrm{W}$ $x 141 /{ }^{\prime \prime L}$. above motor board $43 / \mathrm{B}^{\prime \prime}$, below $2^{1 \%} \mathrm{Y}_{6}^{\prime \prime}$. Imported. Wt., 13 lbs . Less Base.
21 F 40440WX SL95B onty
Net 129.50
21 F 40762 WXM SL.95B plus Pickering V15/ATE-3
21 F 40911 WXM SL95B plus Shure M93E
21 F 40937 WXM SL.95B plus Pickering Phase IV/AME 21 F 40929 WXM SL95B plus Shure M91E
21 F 40529 wxm SL95B plus Shure Mgit ......................... Net 134.50

VIScous VISCOUS
DAMPED setdown of tonearm in automatic play ... an exclusive SL95B, SL75B, SL72B teature.

ADJUSTABLE ANTI SKATING CONTROLS prevent record and stylus wear.


TWO-POINT RECORD SUPPORT ON SL95B SL75B, SL72B a both center and


SLIDE-IN CARTRIDGE CLIP assures positive alignment.

## MODEL SL55: 4-SPEED SYNCHRO-LAB AUTOMATIC TURNTABLE <br> with Choice of Elliptical Stereo Cartridges


and base

## $59^{5}$

choice of quality elliptical cart. ridge, less base
choice of delure elliptical cart. ridge, less base

No Money Down
Plays $162 / 3,331 / 3,45$, and 78 RPM Records. Light weight, tubular aluminum tonearm with fixed position damped counterweight and slide-in cartridge clip. Built in stylus force adjustment and optical scale. Viscous damped, single-lever cueing. Fully adjustable antiskating. Oversized turntable with all connecting cables. For 110 130 V 60 Hz . AC. Size: $143 / 4$ "Wx121/2" ; above motor board $4 \%$ ", below $2 \%{ }^{7}$ ", Imported. Wt., 10 'Ibs. less base. 21 F 40481w SL55B only. No Money vown* 21 F 40606 WM SL558 and Pickering V15/ACE-3 21 F 40614 WM SLS58 and Shure M55E 21 F 40622 WM SL55B and Pickering V15/ATE-3 21 F 40945WM SL 558 plus Shure M93E

Net 59.50 Net 59.51 Net 59.51 Net 54.50 Net 64.50

## MODEL SL65B 4SPEED SYNCHRO-LAB AUTOMATIC TURNTABLE with Choice of Elliptical Stereo Cartridges

## $79^{50}$

less cartridge and base.

## $79^{51}$

choice of quality elliptlcal cartridge, less base

cholce of deluxe elliptical cart. ridge, less base

## SL72B 3-SPEED SYNCHRO-LAB AUTOMATIC TRANSCRIPTION TURNTABLE

 with Choice of Elliptical Stereo Cartridges
## $89^{50}$ <br> Less cartridge, and base


choice of delure elliptical cartridge, less base

Plays 4 speeds: $162 / 3,331 / 3,45$, and 78 RPM. Features: Synchro-Lab Motor, large turntable of heavy aluminum, low-mass tubular aluminum tonearm dynamically balanced with adjustáble counterweight, ad justable 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: $15^{\prime} \mathrm{W} \times 13 \frac{1}{2}{ }^{\prime \prime} \mathrm{L}$; above motor board $43 / 4^{\prime \prime}$ " below $3^{m}$. Imported. Wt, 12 lbs. Iess base.
21 F 40473w SL65B anly. No Money Down*
21 F 40648WM SL 65 B plus Pickering V15/ACE. 3
21 F 40655 WM SL65B plus Shure MS5E
21 F 40663 WM SL 65 B plus Plckering V 21 F 406 Wm Sco5B plus Plckering V15/ATE-3 21 F 40952WM sL65B plus Shure M93

## $94^{50}$

choice of super ellip. tical cartridge, less base

No Money Down*

Plays $331 / 3,45$, and 78 RPM Records. Synchro-Lab Motor for perfectly constant speed, unwavering musical pitch. Record plafform for safe, two-point support during automatic play. Low-mass tubular aluminum tonearm of advanced design floats on needle plvots within a gyroscopically gimballed mounting for flawless traching. Fully adjustable counterweight. Slide-in cartridge clip. Patented, permanently accurate sliding weight antl-skating control. Calibrated stylus pressure gauge with visible scale. Damped set-down of tonearm in manual and automatic play. Single control viscous damped cueing. Simpliffied finger-tip tab operating controis, Full size turntable. Two interchangeable spindles. All connecting cabies. For $110-130 \mathrm{~V} 60 \mathrm{~Hz}$. AC. Dimen-
 ported. Shpr. wt., 13 lbs. Less base.
21 f $40465 W^{W}$ SL72B only. No Money Down*
Net 89.50 21 F 40689 wm SL72B plus Pickering V15/ATE-3 Net 89.51 21 F 40960 WM SL728 Dlus Shure M93E 21 f 4097 BWM SL72日 plus Pickering Phase/IV AME 21 F 40986 WM SL72B plus Shure M91E Net 89.51 Net 94.50

Gyroscopically gimballed tonearm mounting, plus needle-pivots assure fric-tion-free tonearm movement . . . vertically and horizontally . . . and light tracking.

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

# annard TURNTABLES, MODULE SERIES AND ACCESSORIES 

## MODEL 4OB 4-SPEED AUTOMATIC TURNTABLE

## With Choice of Stereo Elliptical Cartridge

Plays $162 / \mathrm{s}, 334 / 3,45$, and 78 rpm records. Full viscous damped, single lever cueing. Low-mass, tubular aluminum tonearm with fixed Isolated counterweight. Slide-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 turntable with handsome safety mat. Size: $14 \frac{1}{8}$ "Wx $121 / 2^{\prime 2}$. Requires $45 / 8$ " above and $3^{\prime \prime}$ below motor board. With all connecting cables, Less base. For 110-130$V A C, 60 \mathrm{~Hz}$. Imporled. Shpg. wt., $91 / 4 \mathrm{lbs}$. 21 F 40499 W Model $40 B$ oniy Net 44.50

Model 408 and Pickering PaT/E-1 Elliptical Cartridge. Shpg. Wt., $93 / 4$ lbs.
21 F 40556 WM .................... Net 44.51 Model 408 and Shure M44E Elliptical Cartridge. Shpg. wt., $93 / 4 \mathrm{lbs}$.
21 F 40564 WM
Net 44.51 Model 408 and Empire goEE/X Elliptical Cartridge. Shpg, wt., 9y/4 Ibs.
21 F 40861 WM .............. 44.51 Model 40 B and Pickering Vis/ACE-3 Elliptical Cartridge. Shpg. wt., $9 \frac{1 / 4}{}$ lbs.
21 F 40580 WM Net 49.50
Model 408 and Shure 55E Elliptical Car-
tridge. Shpg. wt., 9y/4 lbs.
21 F 40598WM
Net 49.50
Model 408 and Empire 909E/K Elliptical Cartridge. Shpg. wt., $111 / 4$ lbs.
21 F 4087 gWM
Net 49.50


## Model SP20B

## Less

 Cartridfo and BaseWith Pichering Conical Stereo Cartridee Less

## Base

Stereo Cartridge, Less Base


With Choice of Elliptical Stereo Cartridge, Less Base


With Choice of Quallty Elliptical Stereo Cartridge, Less Base
0 4-SPEED AUTOMATIC TURNTABLE Garrard 4 -speed automatic stereo turntable designed espe. cially for use in low priced hi-fi systems, and perfect for replacement in consoles and phonographs. Features oversized, weighted turntable, one piece cast aluminum tone arm, ultra compact size. Plays $162 / 3,331 / 3,45$ and 78 RPM records. Intermix automatic operation when desired. Two spindles short for manual, center drop for automatic play. With ceramic cartridge, diamond stylus. All connecting cables Dim.: $14 K \times 123 / 4^{\prime \prime}$, above motor board $43 / 4^{\prime \prime}$, below $21 / 4^{\prime \prime}$. For $110-130$ VAC, 60 Hz . Less base. Imported. Shpg. wt., 10 lbs . 21 F 37925W' No Money Down*
24 F 30239 Replacement Cartridge 6 oz. ...........Net 6.90 24 F 03335 Replacemeñt Diamond Needle 2 02. .... Net 2.49
4-SPEED MANUAL RECORD PLAYER With Choice of Stereo Cartridge

A compact, efficient manual piayer with high fidelity fea fures. Low-mass tubular aluminum arm with fixed counter weight, isolated in a resilient housing to effectively damp out tonearm resonances. Fully adjustable stylus pressure control with optical scaie. Slide-in cartridge clip accommodates all the latest cartridges and assures positive allgnment. Automatic return of tonearm after record has played. Full-size turntable. Supersensitive trip. Size: $14 \% / 6 \mathrm{~W} \times 121 / 2 \mathrm{Lx}$ $31 / 3^{\prime \prime} \mathrm{H}$ above and $21 / \mathrm{B}^{\prime \prime}$ below motor board. Imported. Less base. For $110-130 \mathrm{~V} 60 \mathrm{~Hz}$ AC. Shpg. wt., 9 fbs. 21 F 40507w SP208 only

Net 37.50 SP208 plus Pickering PAC-1 Conical Cartridge. Shpg, wt., e1/4 lbs.
21 F 40812 WM No Money Down*
Net 37.51
SP208 plus Pickering PAT/E-1 Eillptical Cartrldge. Shpg. wt. 91/4 Ibs.
21 F 40853 WM No Money Down*
Net 42.50

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

 Miniature automatic record changer. Small enough to fit on a bedside table or a small shelf. Can play up to 8 records in automatic play ,., 4 Speeds: 162/3, 331/3, 45, 78 rpm . Tubular aluminum tonearm precisely baianced for correct tracking. Automatic shut-off after tast record has played. With afl hook. up leads.. Size: $131 / 4^{\prime \prime}$ Lx $10^{\prime} W \times 63 / 4^{\prime \prime H}$. Imported. For 110.130 VAC 60 Hz . ${ }_{21}$ F 40523 w Shpg. wt., 8 lbs ............... 39.95Complete No Money Down*

## Module X10 Precision Automatic Turntable with

 Pre-Installed Stereo Ceramic Diamond Needle Cartridge, Base \& Dust Cover.Features ultra-low-mass tubułar aluminum tonearm. targe 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 rmm . For $110.130 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size fon
 necting cables. Shpg. wt., $15 \frac{1}{2} \mathrm{lbs}$.

Complete No Money Down* 21 F 40846W

Net 52.50
Module SLX-2 Synchronous 3-Speed Automatic Turntable with Pre-Installed Stereo Magnetic Diamond Needle Cartridge, Base \& Dust Cover Synchro-labe motor for constant synchronous speed, dynamically balanced tone arm with ball bearing pivots, cueing and pause control, adjustable stylus pressure gauge buift into tone arm-adjustable from 0 to 5 grams. Plays $331 / 3,45$, or 78 rpm records ( $12^{\prime \prime}$, $10^{\prime \prime}$, or $77^{\prime \prime}$. For $110-130 \mathrm{VAC} 60 \mathrm{~Hz}$. Dim. (on base): $15 \mathrm{~W} \times 13 \mathrm{y}$ D $\times 7 \mathrm{~F}_{4}{ }^{\prime \prime} \mathrm{H}$. With all connecting calbies. Imported. Shps. wi. 14 lbs.


Complete No Money Down* 21 F $40432 W$

Net 69.50
Module SLX-3 Synchronously Powered 3-Speed Automatic Turntable with Pre-Installed Magnetic Elliptical Cartridge, Base \& Dust Cover
Synchro-Labe motor guarantees perfectly constant record speed .... unwavering musical pitch. Exclusive two-point record support at center and edge during automatic.play. Stylus force adjustment with window scale. Ultra-low-mass tubular aluminum tone. arm. Permanently accurate sliding weight anti.skating control. Fully damped, single control cueing. Viscous damped tonearm. Finger-tlp controls. Oversize turntable. With all audio cables. Slize (includes base and cover): $15 \%$ "Wx14 $1 / 0 \mathrm{D} \times 88^{\prime \prime H}$. For $110-130 \mathrm{~V}$ AC. 60 Hz . Imported Shpg. wt., 18 tbs, 21 F 40515 W
 ...... Net 99,50


| STOCK NO. | F16. | $\begin{aligned} & \text { MODEL } \\ & \text { ND. } \end{aligned}$ | description | FOR | SHPC. wr. | NET <br> EA. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 21 \text { F 40226W } \\ & 21 \text { F } 40234 \mathrm{~W} \end{aligned}$ | A | $\begin{array}{\|l\|l\|} \hline \text { B1 } \\ \text { B2 } \end{array}$ | Ebony Pin-Seal Plastic Base Ebony Pin-Seal Plastic Base | $\begin{aligned} & \text { SL65B, SL55B, 40B, 30,SP20B } \\ & \text { SL95B,SL75B,SL728 } \end{aligned}$ | $\begin{aligned} & 2 \mathrm{ibs} \\ & 2 \mathrm{lbs} . \\ & \hline \end{aligned}$ | $\begin{array}{r} 5.50 \\ 6.50 \\ \hline \end{array}$ |
| 21F 40242w | B | B1P | Power-Matic. Base w/Auto Shut-off | SL65B,SL55B,40B,30,SP20B | 3 lbs . | 14.95 |
| 21 F 40259w | 8 | 82P | Power-Matic Base w/Auta. Shut-off | SL95B,SL758,SL72B | 3 lbs | 15.95 |
| $\begin{aligned} & 21 \text { F } 40820 \mathrm{w} \\ & 21 \mathrm{~F} 40838 \mathrm{w} \end{aligned}$ | $\begin{aligned} & c \\ & c \end{aligned}$ | $\begin{array}{\|l\|l\|} \hline \text { WB1 } \\ \text { WB2 } \end{array}$ | Deluxe Wainut Wood Base Deluxe Walnut Wood Base | $\begin{aligned} & \text { SL 65B,SL558,40B,30,SP2BB } \\ & \text { SL95B,SL75B,SL728 } \end{aligned}$ | $\begin{aligned} & 41 / 2 \mathrm{lbs} \\ & 41 / 2 \mathrm{lbs} \end{aligned}$ | $\begin{aligned} & 19.95 \\ & 19.95 \\ & \hline \end{aligned}$ |
| $\begin{aligned} & 21 \text { F 40267w } \\ & 21 \text { F } 40275 w \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 01 \\ & 02 \\ & 02 \end{aligned}$ | Plastic Dust Cover $\dagger$ Plastic Dust Cover $\ddagger$ | $\begin{aligned} & \text { SL65B,SL55B,40B,30,SP2JB } \\ & \text { SL } 95 \mathrm{~B}, \mathrm{SL75B}, \mathrm{SL72B} \end{aligned}$ | $\begin{aligned} & 3 \mathrm{lbs} . \\ & 3 \mathrm{lbs} . \end{aligned}$ | $\begin{aligned} & 5.50 \\ & 5.50 \end{aligned}$ |
| 24 F 12096 W | E |  | Wood Mounting BoardUnfinished | SL65B,SL55B,408,30,SP20B | 12/2 ibs. | 1.75 |
| 24 F 12161w | E |  | Wood Mounting BoardUnfinished | SL958, SL75B,SL72B | 12/2 lbs. | 1.75 |
| $\begin{aligned} & \hline 21 F 40531 \\ & 21 F 37974 \end{aligned}$ | $F$ | $\begin{aligned} & \text { FLRS355 } \\ & \text { LRS25 } \end{aligned}$ | 45 rpm Spindle 45 rpm Spindle | $\begin{aligned} & \text { 65B, } 558,40 B, 30, \text { SLX }-2_{2} \times 10 \\ & \text { SL95B,SL75B,SL72B,SLX-3 } \end{aligned}$ | $\begin{aligned} & 6 \mathrm{oz} . \\ & 6 \mathrm{oz} \\ & \hline \end{aligned}$ | $\begin{aligned} & 1.95 \\ & 3.80 \end{aligned}$ |
| 21 F 40549 $21 F 37982$ | $\begin{aligned} & f \\ & 6 \end{aligned}$ | $\begin{aligned} & \mathrm{F} 40 \\ & \mathrm{Cl} \end{aligned}$ | 45 rpm Spindle Cartridge Clip Holder | $\begin{array}{\|l\|} \hline \times 11 \\ \text { S1758 } \\ \hline \end{array}$ | $\begin{aligned} & 6 \mathrm{oz} . \\ & 2 \mathrm{oz} . \\ & \hline \end{aligned}$ | 1.95 <br> 1.75 |
| 21F37966 | G | c2 | Cartridge Clip Holder | SL958,SL72B,SL65B,SL55B, $408,30, S P 20 \mathrm{~B}$ | 20 0., | 1.75 |


-See Page 11 for Full Credit Details on Easy Pay Plan

# AR and Miracord Stereo Turntables 



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


## SAVE 39.94

 When you buy a Pickering VIStaTE-3 Elliptical Cartriage with the Model 50 K .Superb, 4 -speed automatic turntable: $162 / 3,331 / 3,45$, and 78 RPMPushbutton controls: stop/reject. $7^{\prime \prime}, 10^{\prime \prime} 12^{\prime \prime}$. Papst hysteresis motor. Dynamically balanced tone arm with vernier counterweight permits tracking to below 1 gram. Precise Cueing device. Bullt-in anti-skating compensation. Stylus overhang adjustment. Heavy 12" dynamically balanced turntable. Size $141 / 2 \mathrm{~W} \times 121 / 2^{\prime \prime} \mathrm{D}_{\text {; }}$ requires $55 / \mathrm{m}^{\prime \prime}$ dynamicall above plate $/ 334^{\prime \prime}$ below. 110 V 60 cycle AC. Imported. Less base Shpg. Wt., 24 lbs.
21 F 16358 WX 50 H Less Cartridge
Model 50 H plus Pickering V15/ATE $\mathbf{3}$ Eiliptical Cartridge 21 F 16556 WXM
Accessories for 50 H
21 F 16564 RB-5 Plastic Molded Base Shpg. wt., 2 lbs. 21 F 16515 W DC-1 Dust Cover Shpg. wt., 2 lbs.
2Y F 16572 W AC Power Base Shpg. wt., 7 lbs.
72 Lafayette Cat. No. 710

Net 169.50
Net 169.51
Outstanding turntable featuring a rugged 3.3 lb . balanced aluminum platter belt driven from synchronous motors operating at $331 / 3$ and 45 RPM. Turntable and arm are shock-mounted from the top plate eliminating vibration. Meets NAB specifications for broadcast equip. ment on wow, flutter and speed accuracy. Includes cables, overhang adjustment device and needle force gauge. Size with cover- $123 / 4 \times$ $163 / 4 \times 51 / 4$ ". Shpg. wt., 18 lbs.

Net 87:00 21 F $72013 W^{\circ} \times$ less cartridge
21 F 72732WM XA and Pickering PAT/E-1 21 F 72815 WM XA and Empire 90/EEX

Net 92.00
Net 92.00 21 F 72757WM XA and M44E

Net 92.00
Model XA/UNIVERSAL TURNTABLE-Same delure features as abeve but can be used anywhere in the world, for 110 or 220 volts, 50 or 60 Hz operation. Shpg. wt., 19 lbs.
21 F 72617X XA/U less cartridge ............................................. 87.00
Extra cartridge shell for A turntables. Wt., 102.
21 F 72575
Net $\mathbf{2 . 0 0}$


## $225^{00}$

Less Cartridge and ease
$225^{01}$ Pickering Phase IVAME Elliptical Cartriage Less Base


Pickering Phase IV/AME 49.95 Elliptical Cartridge with the Model 770 H .
Miracord finest stereo Automatic Turntable. Pushbutton operation. Exclusive features: Bult-in illuminated strobe, Digital stroboscopic read out of $331 / 3$ and 45 RPM speeds, lonic elapsed-time stylus wear timer. Variable speed - plus or minus $3 \%$. Papst hysteresis motor precision cueing, anti-skating, dynamically balanced tone arm . Gold anodized trIm. For 78, 45, 33, and 16 RPM records, size: $141 / 2 W \times 121 / 2^{\prime \prime} 0$, requires $55 / /^{\prime \prime}$ above, $33 / 4^{\prime \prime}$ below, 110 V 60 cycles $A C$. Imported. Less base. Shpg. wt., 24 lbs.
21 F 16531WX
Net 225.00
Godel $770 H$ plus Pickering Phase IV/AME Elliptical Cartridge. 21 F 16549 WXM

Net 225.01 Accessories for 770H

| Net 5.95 |
| :--- | :--- |
| Net |
| .95 | 21 F 16515 W DC. 1 Dust Cover shog wt 2 ibs Net 4.95 Net 25.0021 F 16572 W AC Power Base Shpg. wt., 7 lbs. ................. Net 25.00

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

- Frequency Response $30-15,000 \mathrm{~Hz}$
- Air-Cushioned Headband
- Soft Foam Rubber Ear Cushions for Maximum Comfort and Bass Response
- Two $2^{11 / 2}$ " Wide Range Transducers

Improved version of our widely acclaimed F-767 series stereo headphone. Provides outstanding full-fidelity private stereo Hstening. Extremely comfortable headband is covered with an air-filled vinyi bag which serves as a gentle cushion. Soft foam rubber ear pads keep out external noise and provide maximum bass response. Sen sitivity is very high-a signal power of 1 to 2 mw will produce adequate listening volume. Two sepecially designed full range $21 / 2$ " transducers are precisely matched to each ear cup. Complete with attached stereo phone plug, overload cylindrical junction box for connection of the headphones to equipment which does not have stereo phone jacks, 5 ft . cord, and instructlons. Frequency Response: $30-15.000 \mathrm{~Hz}$. Impedance: 8 ohms per phone. Imported. Shpg. wt., $11 / 2$ ibs. 99 F 01935 Net 11.95


## Lafayette MODEL F-880 STEREO HEADPHONES

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

Make stereo listening a personal experience with these quality stereo headphones. Provides dazzling wide range sound reproduction. Comfort-oriented design makes music listening a real pleasure. The F-880 stereo headphones are actually two $21 / 2 "$ 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 olmns per phone. The soft rubber alr-cushloned ear pads provide extremely comfortable listening, help to keep out nolse and malntain an excellent bass response. With 5 ft . cord and standard $1 / 4^{\prime \prime}$ phone plug. Imported. Shpg. wt., 2 lbs. 99 F 02048

Net 17.95


## Lafayette MODEL 8X STEREO HEADPHONES

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

The moment you put this headset on you will be enveloped in breathtaking full-dimensional stereo sound with the best "seat" in the house. Wonderfully comfortable too. Soft rubber cushion earcups block out most external noise. Lightweight vinyl covered headband adjusts to itt easily... lets you listen comfortably to your favorite programs hour after hour without fatigue. The big $\mathbf{2}^{\text {" }}$ transducers in each earcup bring to your ears smooth, full fidelity sound and complete stereo separation. The headset weighs only 11 oz. Frequency response, 35 to $15,000 \mathrm{~Hz}$. Qutput: 100 mw . Matches 8 or 16 -ohm impedance. Supplied complete with 5 -1t. coiled cord and standard $1 / 4^{\prime \prime}$ phone plug. Imported. Shpg. wt., $11 / 2$ lbs.

Net 7.95


## Lafayette SP22 STEREO HEADPHONES

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

- Frequency Response: $35-12,000 \mathrm{~Hz}$
- Lightweight, Only 1002.
- Adjustable Headband afford. Perfect for stereo or mono. Designed for use with low priced stereo recelvers, amplifiers, and phonographs, Adjustable headband and comfortable foam-filled vinyl ear pads. Large, $21 / 4^{\prime \prime}$ diameter transducers for full-range response. Impedance: 8 -ohms. With 6 -feet of cable and standard stereo phone plug. Imported. Shpg. Wt., 110. 99 F 02123


## Quality Stereo Headphones and Accessories



## Stereo Headphone Accessories

## STEREO HEADPHONE

 REMOTE CONTROL BOXOnly


Designed to connect 1 or 2 stereo headphones to an existing system without the need of continually disconnecting speakers. Separate volume controls are provided for each side of the headset. Speaker muting switch permits using stereo headphones and speakers together, or stereo phones only for private listening. impedance: 4-16 ohms. $43 / 4 \mathrm{~W} \times 1 \% d^{\prime} \times 13 / 4{ }^{\circ} \mathrm{D}$. Imported. Shpg. Wt., $11 / 4 \mathrm{bs}$. 99 F 00366

25 FT. UNIVERSAL STEREO HEADPHONE
EXTENSION CORD
Only


Now with Coiled Cord

- Plugs Directly Into Front Panel Stereo Headphone Jacks
Listen to stereo through your favorite stereo headphone anywhere in the room. Ideal for use with Lafayette, Koss, Superex, Jensen, Sharpe and many other headsets. Flexible 3 -conductor colled cable. With a $1 / 4$ " 3 -circuit plug on one end, a 3 -circult jack on the other end. Imported. Shpg. wt., 1 ib.
39 F 01166
Net 2.95



## 10-FT. STEREO HEADPHONE

EXTENSION CORD

- For Stereo Amplifiers Without Headphone Jack
Terminates in 3 spade-lug terminals instead of phone plug. Imported. Shpg. wt. $1 / 2116$. 99 F 01695

Net 1.69 " r " 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 $1 / 4^{2}$ plugs on one end, 3 circuit jack on other end. 3 -feet long. Shpg. wt. 6 oz . 21 F 71001

Deluxe LAFAYETTE F-990 Professional Stereo Headphones

- Two large $31 / 2^{*}$ Wide Range Transducers
- Frequency Response $20 \cdot 20,000 \mathrm{~Hz}$
- Air-tight Earphone Cushions

Now the listener in his home can own a pair of professional stereo headphones similar to the one used in laboratories, recording studios and broadcast stations. Superbly engineered to provide brilliant, full-dimensional stereo sound. Two large $31 / 2^{*}$ transoucers provide complete full-range coverage from $20-20,000 \mathrm{~Hz}$. A comfortably soft. but air-tight 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 fatigue. Comes with $61 / 2$ it cable and standard stereo phone plug. Impedance: 8 ohms. Imported. Shpg. wt, $21 / 2 \mathrm{lbs}$.
99 F 02099

# SENNHEISER HD-414 "Open Aire" Stereo Headphones 



With 10 Cable

- Lightweight and Compact

Totally natural, full-fidelity reproduction with a minimum of distortion. Unique "open酒" foam ear cushions drastically reduce weight and bulk of the headset (only 502 . without cord). Eliminates need for closed cavities on either side of earphone diaphragms. Features $13 / 4$ " wide range transducers. Frequency response: $\mathbf{2 0 - 2 0 , 0 0 0 ~ H z}$. 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 F 58004

Net 29.95

## Koss ESP-6 Electrostatic Stereo Phone



## $95^{\circ 0}$

with 10' coiled cord, connector box, and portable carrying case

Totally new concept in stereo headphones! Uses electrostatic prin-ciple...self-energized diaphragms will reproduce 3 octaves of sound beyond the Itmits of voice coll and cone type driven headphones. Frequency Response: $\mathbf{4 0 \cdot 1 2 , 0 0 0 ~ H z ~}+2 \mathrm{~dB}$; Usable Response: 10 Hz to 20 kHz . Input Impedance: 4 to 16 ohms. Cushioned foam rubber headband for maximum comfort. Liquid-fllied ear cushions minimizes annoying external noise. Pllot lamps on each ear plece Indicates sound level. Includes $10^{\prime}$ coiled cord, T. 3 connector box with speaker on/ off switch, and carry case. Shpg. wt. 6 lbs.
21 F 45167 No Money Down*
Net 95.00

# SUPEREX and KOSS Stereo Headphones 

Superex Model ST-M

## $29^{35}$

with 7 ft. cable

- Separate Woofer and Tweeter in Each Phone

For discriminating music lovers. A separate dynamic woofer, ceramic tweeter and crossover network with external tweeter controls bulft Into each phone, give you concert hall sound. The reproducers are mounted in smartly styled hi-Impact cycolac plastic shells. A tight but soft seal to the ear is provided by removable and washable vinyl covered urethane foam cushions plus a fully adjustable vinyl covered spring steel headband. Impedance 4.16 ohms, Frequency response: $20-20,000 \mathrm{~Hz}$. with less than $1 \%$ distortion. Complete with 7 foot four conductor cable terminated with a standard stereo plug. 21 F 80016 Shpg. wt., $21 / 4$ lbs.

Net 29.35

## NEW! Koss Model KO-727B

## $34^{25}$

No Money Down ${ }^{\text {a }}$

- With $10 . \mathrm{ft}$. Coiled Cord

Enjoy full dimensional stereo music with maximum comfort. Highly sensitive stereophonic reproducers will accept up to 60 watts per channel from any normal program source and can be used in any system with a 4,8 or 16 ohm output. Foam.filled ear cushions are removable for easy cleaning. $10-\mathrm{ft}$. coiled cord for added convenience. Distortion-less than 1\% at maximum output. Response: 10-15,000 Hz. Fully adjustable for comforiable private listening-even during long listening periods. Shpg. wt., 2 lbs. 21) 45076

## Koss Model SP-3XC

with 10 ft .55 colled cord
Low cost SP-3XC Stereophones are a special. ly constructed headset that provide a wide frequency range of $10-15,000 \mathrm{cps}$ by means of unusual $31 / 2{ }^{\prime \prime}$ dynamic reproducers incorporated into each earphone. Foam cushioned earcups are extremely comfortable to wear, light and rugged. Ideal for Stereo, they can also be used for monaural sound. impedance of $4-16$ ohms. With 10 ft . cord and plug. Shpg, wt., 2 lbs.

21 F 45134 $\qquad$ Net 19.55 Combines famous Koss sound with comfortable efficient fit. Spring steel headband and foam-filled ear cushions form effective seal to achieve a req. response of $10-15,000 \mathrm{~Hz}$. Vinyl-covered cushions removable for easy cleaniling with soap and water. Sponge foam headband for comfort during estended Ils. tening periods. Impedance: 4 -16 dhms. $10-\mathrm{ft}$ coiled cord with standard stereophone plug for direct connection to most amplifier and receiver systems. Shpg. wt., 2 lbs. 21 F $\$ 5175$


NEW! Superex Model Pro-B-V $59^{95}$
with 10 ft . coiled cord

- Tuned Bass Ports
- Response 16-25,000


Professional quality stereo headphones. Each phone cup has a call brated and matched 2 -way (woofer/tweeter) speaker system with crossover network. Each system is. Individually tuned and ported. Luxuriously comfortable-the Pro-B-V features a replaceable sofi vinyl' covered urethane "com-form" ear cushion. 4-16 ohm impedance Shog. wt., $21 / 4 \mathrm{lbs}$
21 F 80073 No Money Down*
Superex Model ST-Pro-8 same as above but less bass ports. Frequency response: $18-22,000 \mathrm{~Hz}$. With 7 ft . cord plug. 21 F 80057 Shpg. wt., $21 / 4$ lbs.

Net 49.95

## Koss Professional Model PRO-4A

 $49^{00}$ with 10 ft . coiled cordNo Money Down ${ }^{\circ}$<br>- Equipped For Boom Mite Attachment



Rugged construction makes it both shatterproof and shockproof. Adjustable, spring steel headband and fluld filled ear cushions are designed to fit head contour, thus forming a more efficient seal for almost complete attenuation of ambient nolse. High quallity drivers mounted in acoustically designed enclosures provide smooth frequency response from 30 to $20,000 \mathrm{~Hz}$. Removable cushlons can be cleaned up with soap and water. With io ft. colled cord and plug, 4 ohms impedance. Shpg. wt., 21/4 lbs.
21 F 45142
Net 49.00

Koss Model K-6
ACCESSORIES FOR ROSS PHONES

(B) T. 5 Remote Control Box

## (A) Model T-1 Monitoring Box

For use in monltoring tapes from high im. pedance sources such as tape recorders with preamp only. Contains matching transformers for 600 to 10,000 ohm outputs. Shpg. wt., 2 lbs.
21 F 45035
Net 7.79
(B) Model T-5 Headset Control Box
provides stereophone and speaker controf from remote location. Has jacks for 2 -sets of stereophones. Left and right channel volume controls and speaker on-off switch. impedance: 4.16 ohms. Metal cabinet. 21 F 45043 Shpg. wt., $11 / 4$ Ibs.

## 



## PICKERING MAGNETIC STEREO CARTRIDGES

To simplify cartridge mounting all Pickering cartridges will be supplied with a universal mounting platiorm which will snap into any standard tone arm head. The Pickering cartridge will then easily snap onto the platform.

A deluxe XV-15 ELLIPTICAL SERIES - Pickering's Premiere Cartridges. Includes "Dustamatic Brush" which automatically cleans the grooves in advance of the stylus. Specifications: Channel separation 35 db ; Nominal output: XV-15/750E, XV-400E-5.5 mv, XV-15/200E8 mv . Frequency response: 10 to $25,000 \mathrm{~Hz}$. Stylus type: XV-15/750E $-.0002 \times .0009^{\prime}$ elliptical; XV-15/400E-.0003 x.0009"* elliptical; $X V-15 / 200 E-.0004 \times .0009^{\prime \prime}$ elliptical. Tracking force: XV-15/750E $1 / 2$ to $1 \mathrm{gram} ; \mathrm{XV}-15 / 400 \mathrm{E}-3 / 4$ to $11 / 2 \mathrm{grams} ; \mathrm{XV}-15 / 200 \mathrm{E}-1$ to 4 grams. Shpg. wt., 6 oz.

| Steck No. | Model | For | Net |
| :---: | :---: | :--- | :---: |
| 21 F 53864 L | XV-15/750E | Manual turntables | 85.00 |
| 21 F 53757 L | XV-15/400E | Manual turntables | 54.95 |
| 21 F 53781 L | XV-15/200E | Automatic turntables | 49.95 |

B "MICRD-MAGNETIC" VIS DUSTAMATIC T.M. SERIES. DUStamatic stylus will protect your records from dust and preserve their natura sound. Integrated with the stylus assembly, the Oustamatic brush automatically cleans the grooves in advance of the stylus-without interfering with the tracking force. SPECIFICATIONS; Freq. Response: 10 to $20,000 \mathrm{~Hz}$; Output: ATE-3, 6.5 mV, ACE-3, AC-3, 7.5 mV ; Separation: ATE. 32 db , except $\mathrm{ACE}-3$, and $\mathrm{AC}-3,26 \mathrm{db}$; Tracking Force: ATE-3, ACE-3, 2 to 5 grams, AC-3, 3 to 7 grams. Average shpg. wt., 502
21.F53740L V15/ATE-3 Elliptical No Money Down*

Net 39.95 21 F 53773L V15/ACE-3 Elliptical

Net 39.9 21 F 53765 L V15/AC-3 Conical

Net 29.95
C NEWI Phase/IV-AME Elliptical Cartridge. Outstanding new "Micromagnetic" stereo cartridge. Includes "Dustamatic Brush" which automatically cleans the grooves in advance of the stylus. Includes universal snap-In mounting platform. Specifications: Freq. Response: $10-25,000 \mathrm{~Hz}$, Separation 32 db ; Tracking: $3 / 4$ to $13 / 4$ grams. . $0003^{\prime \prime} x$ $.0009^{\prime \prime}$ elliptical diamend styjus. Shpg. wt., 602.
21 F 53906 L No Maney Down
Net 49.95
D P-SERIES STEREO CARTRIDGES-Frequency response: 20 to $15,000 \mathrm{~Hz}$. Nominal output: P/ATE-1, $8 \mathrm{mv} ;$ P/AT-1, 8.5 mv ; P/AC-1, 9 mv . Channel separation: 20-25 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 $.0005 \times .0010$ elliptical stylus. Shpg. wt. 4 oz.
21 F 538801 P/ATE-1 Elliptical
21 F $53567 L$ P/AT-1 Conical
21 F $53575 L$ P/AC-1 Conical
Net 24.95
Net 19.95
Net 17.95


## SHURE MAGNETIC STEREO CARTRIDGES

E MOOEL M44E ELLIPTICAL STEREO CARTRIOGE. Features an ellip tical stylus ( $.0004^{\prime \prime} \mathrm{x} .0007^{\prime \prime}$ ) designed for automatic turntables. Tracks from $13 / 4$ to 4 grams. Specifications: Frequency response: 20-20,000 Hz , channel separation: 25 db , Output voitage: 9.3 mv . Compliance: $15.0 \times 10^{-4} \mathrm{~cm} /$ dyne. Shpg. wt., 6 oz .
21 F 62360 L
Net 24.95
F MOOEL M-S5E ELLIPTICAL STEREO CARTRIOGE. Features elliptical dilamond stylus and $15^{\circ}$ vertical tracking angle. For outstanding performance use with tone arm at a tracking force of 1 to 3 grams. Separation over 25 db . Output voltage: 9.3 mv . Compliance $25 \times 10^{-}$ $\mathrm{cm} / \mathrm{dyne}$. Shpg. wt., 6 oz. (Not Illustrated).
21 F 62410 N No Money Down*
Net 29.95
G mooel mg3e elliptical stereo cartrioge. hi-Track Ellidtical cartridge with easy snap-In mount. Tracking force between 1/v. to 3 grams. Provides outstanding results in automatic or manual turntables. With Bi-Radial $.0004^{\prime \prime} \times .0007^{\prime \prime}$ diamond stylus. Freq. Response 20 to $20,000 \mathrm{~Hz}$. Separation 25 db at 1 kHz . WL, 6 oz .
21 F $6243^{\prime} 6 \mathrm{~L}$ No Money Down*
Net 39.95
h MOOEL MSIE OELUXE HI-TRACK ELLIPTICAL STEREO CARTRIOGE with optimized design parameters for trackability. For use in automatic and manual turntables. With Bl-Radial $.0002^{\prime \prime} \times .0007^{\prime \prime}$ diamond stylus. Freq. Response 20 to $20,000 \mathrm{~Hz}$. Separation at 1 kHz 25 db . Tracking force: $3 / 4$ to $11 / 2 \mathrm{grams}$. Shpg. wt., 6 oz .
21 F 62444 L No Money Down*
Net 49.95
I V-15 TYPE II SUPER-TRACK IMPROVEO STEREO OYNETIC ELLIPTICAL C ARTRIDGE. Shure's premiere cartridge featuring increased Trackabillty in the low and mid-frequency ranges. Recreates music with transcendent purity. Retractable elliptical $.0007^{\prime \prime} \times .0002^{\prime \prime}$ diamond stylus. Specifications: Frequency response: 20 to $25,000 \mathrm{~Hz}$. Channel separation: $\mathbf{2 5} \mathrm{db}$ at 1 kHz . Output voltage: $\mathbf{3 . 5} \mathbf{~ m v}$. Tracking force: $3 / 4$ to $11 / 2$ grams. Shpg. wt., 6 oz .
21 F 62386L No Money Down*
Net 67.50
I MODEL M75-5 4.TRACK STEREO CARTRIDGE for manual or light tracking automatics. Bi-hadial $.0002^{\prime \prime} \times .0007^{\prime \prime}$ diamond stylus. Response 20 to $20,000 \mathrm{~Hz}$. Separation 25 db at 1 kHz . Tracking force range $11 / 2$ to 3 grams. With .6 mil conical stylus. Shig. wt. 6 oz . 21 F 62428 L

Net 24.50
K MOOEL M7/N21-0 STEREO CARTRIOGE. Frequency response: 20 to $20,000 \mathrm{~Hz}$. Channel Separation: More than 20 db at 1000 Hz . Output voltage: 4 mv . per channel at 1000 Hz . Tracking force: 2 to 5 grams. Tracks perfectly in all record changer arms with .7 mil conical diamond stylus. Shpg. wt., 5 oz .
21 F 620631
Net 12.95

## STEREO CARTRIDGES

L NEW $90 E E / X$ Elliptlcal Cartridge- $15^{\circ}$ vertical tracking angle. Fully compatible for stereo or mono. Freq. Response $\mathbf{1 5 \cdot 2 5}, 000 \mathrm{~Hz}$, Output 8.0 mv , Channel Separation 30db. Tracking Force: $1 / 1 / 2$ to 4 grams. Shpg. wt., 6 oz .
21 F 34955 L
Net 24.95
M NEW g09EX Elliptical Cartridge- $15^{\circ}$ vertical tracking angle. Induced field moving magnetic armature. Fully compatible for stereo or mono. Freq. Response $12-25,000 \mathrm{~Hz}$, Channel Separation 30 db , Output 8.0 mv . Tracking force: 1 to 4 grams. Shpg. wt., 6 oz .

Net 29.35

N NEW 999 Elliptical Serles-Emplre premiere cartridges. All styli are hand polished bl-radial. $15^{\circ}$ vertical tracking angle. For stereo of mono use. 4 coil system glves complete freedom from hum pick-up. Easily replaceable stylus assembly. Specifications: Output 999E/X and 999SE/X, 8mv; 999TE/X, 6mv; Channel separation 35db; Frequency Response: $999 E / X \quad 10-30,000 \quad \mathbf{H z}$; $999 \mathrm{SE} / \mathrm{X}$ 8.32,000 $\mathbf{H z}$; $999 \mathrm{TE} / \mathrm{X} 6.36,000 \mathrm{~Hz}$. Tracking Force, $999 \mathrm{E} / \mathrm{X}-3 / 4$ to 2 grams , $999 S E / X$ and $999 \mathrm{TE} / \mathrm{X} \quad 1 / 2$ to $11 / 2$ grams. Shpg. wt. 6 oz .

21 F 34922 L
21 F 34914 L

999TE $/ X \quad$ Elliptical

# Tone Arms, Cartridges Replacement Diamond Styli 

## Grado F Series Magnetic Stereo Cartridges <br> Stanton 681 EE Calibration Standard Cartridge

Model FTR Spherical<br>$9^{95}$

Model FTE Elliptical
$19^{95}$


NEW GAADD F SERTES STERED CARTRIDGES. FTEquency Response: 10 to $35,000 \mathrm{Mz}$. Channel separation; 25 db . Output: 4 mv @ 3.54 CMV . Recommended Tracking Force: $11 / 2$ to $31 / 2$ grams. Shpg. wt., 402.

| Stock No. | Model | Diamond Stylus | Net |
| :--- | :---: | :--- | ---: |
| $21 F 41356 \mathrm{~L}$ | FTR | .6 Spherical | 9.95 |
| 21 F 41364 L | FTE | $.7 \times .3$ Elliptical | 19.95 |

Shure M232 Stereo Tone Arm
$32^{15}$


SHURE MODEL M232 TONE ARM. A quality 12 " tone arm that ACCEPTS MOST CARTRIDGES and permits them to operate at their 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, mounting template, mounting hardware. Shpg. wt., 2 lbs 21 F625191 M00EL M236 Same as Mocel M232, but for $16^{\circ}$ Records in broadcas use Shpo wt $21 / 2$ ibs 21 F 62527L No Money Down*

Net 35.00 Shure A23H Extra Plug in Head. Shpg. wt., $20 z$ 21 F 62535 L

Net 3.00

## $72^{00}$ <br> - Elliptical Stylus <br> - Built-in Record Brush



Designed for low-distortion tracking with minimum stylus force, regardleis of recorded velocity, or oistance of the grooves from the center. High compliance, Low mass, and low pressure assure per fect safety of all records. Response: $\mathbf{1 0 - 2 0 , 0 0 0 ~ H z}$. Separation: 35 db , nominal. Output: $0.7 \mathrm{mV} / \mathrm{cm} / \mathrm{sec}$, nominal. Tracking Force: $3 / 4$ $12 / 2$ grams. Cartridge weight, 5.5 grams. With diamond elliptical stylus, mounting hardware and instructions.
21 f 24006L Shpg. Wt., 6 oz.
Net 72.00
ADC Magnetic Stereo Cartridges


NEW 220XE ELLIPTICAL STEREO CARTRIDGE, Channel separation: 20 db . Response: $10-18,000 \mathrm{~Hz} \pm 3 \mathrm{db}$. Tracking force: $11 / 2$ to 4 gms . Elliptical Diamond Stylus. Output: 5 mv .
21 F 133 EL Shpg. wt., 4 oz.
Net 24.95
NÉW GE0XE ELLIPTICAL STEREO CARTRIDGE. Response 10-20,000 $\mathrm{Hz} \pm 3 \mathrm{db}$. Separation, 30 db . Vertical Tracking angle $15^{\circ}$; Eillptical Diamond stylus. Tracking force 1 to 3 grams. Wt. 5 gz .
21 F 133141 No Money Down ${ }^{\circ}$
Net 39.50
MODEL TO/E MKII ELLIPTICAL STEREO CARTRIDGE. EIlliptical da. mond stplus. Vertical tracking angle $15^{\circ}$, Tracking force $1 / 2 \mathrm{gram}$ to $11 / 2$ grams; Separation 30 db ; Response 10 to $20,000 \mathrm{~Hz}$. Shpg. wt. 602 .
21 F 131 Is9L No Money Down*
Net 44.95

# Replacement Diamond Styli for Stereo Hi-Fi Cartridges 

## - Wide Selection To Fit The Most Popular Selling Stereo Cartridges-Both Fast And Current

- For Pickering, Shure, Empire, Grado, ADC, Stanton, and GE - Manufacturer's Exact Replacement Styli

| Stock No. | MFR. | Type | STYLUS | For | Net | Stock No. | MFR. | Type | STVLUS | For | et |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21 F 534501 | Pick. | 01500 AME-2 | ELLIP | V15/AME-1, AME-2 | 20.95 | 21 F 34476 L | Empire |  |  |  |  |
| 21 F 534681 | Pick. | D1507AM-2 | . 7 MIL | V15/AM-1, AM-2 | 12.95 | 21 F 344501 | Empire | S888-7RD | - 7 MIL | 888 | 10.95 12.95 |
| 21 F 534761 | Pick. | D1507AT-2 | . 7 MIL | V15/AT-1, V15/AT-2 | 11.50 | 21 F 345172 | Empire | S888E.ERD | ELLIP | 8888 | 12.95 16.95 |
| 21 F 53484L | Pick. | D1507AC. 2 | . 7 MIL | V15/AC-1, V15/AC-2 | 10.50 | 21 F 34625L | Empire | S888SE-ERD | - ELLIP | 8888 SE | 16.95 22.95 |
| 21 F 53492 L | Pick. | D1510 | MIL | V15 Series | 10.50 | 21 F 34724L | Empire | S999VE.ERD | D ELLIP | 999VE | 23.95 36.95 |
| 21 F 53500 L | Pick. | D1527 | 2.7 MIL | V15 Serles | 12.50 | 21 F 34732 L | Empire | S888TE-ERL | ELLIP | 888TE | 24.95 |
| 21 F53609L | Pick. | P/007.T P/007-C | 7 MIL | P/AT-1 | 10.50 | 21 F 34823L | Empire | S888VE-ERD | D ELLIP | 888VE | 29.95 |
| 21 F 538981 | Pick. | PDE | ELLIP | P/AC-1 | 9.90 | 21 F $62022 L$ | Shure | N30. | . 7 MIL | M3D, M7D | 7.95 |
| 21 F 53021L |  | D3807AT | . 7 MIL | U38AT | 12.95 | 21 F 62071L | Shure | N21D | . 7 MIL | M7D, M3D | 11.00 |
| 21 F 530702 | Plck. | D3807A | . 7 MIL |  |  |  | Sh | N44.5 | 5 MIL | M-44-5 | 11.00 |
| 21 F 53062 L | Pick. | D3807C | . 7 MIL | 380 C | 13.95 | 21 F 621tal | Shure | N44-7 | 7 MIL | M-44.7 | 9.75 |
| 21 F 53534 L | Pick. | D3810C | 1 MIL | U38AT, 380. | 12.50 | 21 E 625431 | Shure | VN15E | ELLIP | V15, V15/II | 27.00 |
| 21 F 53138L | Pick. | 03827C | 2.7 MIL | U38AT, 381C | 13.50 | 21F62246L | Shure | N55E | ELIP | M80, M55 | 14.95 |
| 21 F 53112 L | Pick. | D9007 | . 7 MIL | MARK/II | 12.95 | 21 F 622531. | Shure | N99 | 7 MIL | M99 | 15.00 |
| 21 F 53633L | Pick. | D1500ATE-2 | ELLIP | V15/ATE-2 | 18.95 |  |  |  | ELLIP | M54E | 12.50 |
| 21 F 53641 L | Plck. | D1500AME. 3 | ELLIP | V15/AM E3 | 26.25 | 21 F 62402L | Shure | N32E | ELLIP | M32E | 14.50 |
| 21 F 536581 | Pick. | D1500ATE-3 | ELLIP | V15/ATE-3 | 23.65 | 21 F 62477 L | Shure | N91E | ELLIP | M91E | 24.50 |
| 21 F 53674 L | Pick. | D1507AT-3 | . 7 MIL | V15/AT-3 | 14.50 | 21 F 624691 | Shure | N93E | ELLIP | M93E | 19.50 |
| 21 F 53815L | Pick. | 4500AME | ELLIP | XV-15AME | 28.50 | 21 F 62451 L | Shure | N75.6 | .6 MIL | M75.6 | 11.35 |
|  |  |  |  |  |  | 21 F 13090L |  | R-4 | 7 MIL | P/FOUR | 12.00 |
| 21 F 53823L | Pick. | 4500ATE | ELLIP | XV-15ATE | 26.25 |  |  |  |  |  |  |
| 21 F53807L | Pick. | 4507 AC | ELLIP | XV-15AC | 12.55 | 21 F 131C8L | ADC | R-4E | ELlip | P/4.E | 18.00 |
| 21 F 53682L | Pick. | D1510-3 | 1 MIL | V 5.3 Series | 12.95 | 21 F $13322 L$ | $A D C$ | R60x/E | ELLIP | 660x/E | 17.00 |
| 21 F 53690 L | Pick. | D1527-3 | 2.7 MIL | V15-3 Series | 15.25 | 21 F 131161 | ADC | R-660 | . 7 MIL | 650 | 10.00 |
| 21 F53831L | Pick. | D1507AC-3 | . 7 MIL | V15AC-3 | 11.50 | 21 F 13124 L | ADC ADC | R-770 | . 7 MLL |  | 9.00 |
| 21 F 53849 L | Pick. | D1500ACE-3 | ELLIP | V15ACE-3 | 21.5 |  |  | R-660/E | ELLIP | 660/E | 18.00 |
| 21 F 53872L | Pick. | D7500E | ELLIP | XV-15/750 | 31.50 | 21 F 13207 L | ADC | R-12E | ELLIP | 10E/II, 10/E | 22.50 |
| 21 F 539141 | Pick. | 2500AME | ELLIP | Phase IV/AME | 28.95 | 21 F 132301 | $A D C$ | R-220/E | ELLIP | 220E | 10.00 |
| 21 F 34047 L | Empire | S880P-6RD | . 6 MIL | 880P | 12.95 | 21 F 13330 L | $A D C$ | R20X/E | ELLP | 220x/E | 10.00 |
| 21 F 34401 L | Empire | S888PE-ERD | ELLIP | 888PE | 20.95 | 21 F 38048L |  | DR-70 | . 7 MIL | V1000-7 | 6.93 |
| 21 F 344191 | Empire | S888P-6RD | . 6 MIL | 888P | 14.95 | 21 F 38063 L |  | VR222 | 7 MIL | VR-22 | 4.17 |
| 21 F 34971L | Empire | S999TE/X-ERD | ELLIP | 999TE/X | 32.95 | 21 F 38501 L | GE | DR30 | ELLIP | VR-10003 | 13.33 |
| 21 F 34963L | Empire | S999SE/X-ERD | ELLIP | 999SE/X | 24.95 | 21 F 41372 L | Grado | FTR/S | 6 MIL | SPMERICAL | 7.50 |
| 21 F 34492L | Empire | S999E/X-ERD | ELLIP | 999E/X | 19.95 | 21 F 413891 | Grado | FTE/S | . $7 \times .3 \mathrm{MIL}$ | ELlip. | 12.50 |
| 21 F 34484L | Empire | \$909E/X-ERD | ELl.JP | 909E/X | 15.95 | 21 F 240141 | Stanton | D6800EE | EliP | 681EE | 36.00 |

# Electro-Voice and Astatic Cartridges 

## EXACT DUPLCATE PLUG-IN CARTRIDGE-STYLI COMBINATIONS

## STEREO PLUG-IN COMBINATION CARTRIDGE AND STYLI

Exact duplicate replacements whth styli. STYLI CODE: D Diamond, $S$ Synthetic sapphire. 1 is 1 mil point for monaural LP; 2 is 2 mil for mono LP \& $78 ; 7$ is .7 for stereo; 3 is 3 mif for 78 RPM. We will ship either Electro-Voice, Astatic or cartridge of original manufacturer. Colop given to assist identifying original part sometimes is color dot. Ayg. shpg. wt., $30 z$.

FDR RCA
Stock No. Fig. Mir. No

| 24 F 50203 A | 105836,37 | 83.1 | 83 | S. 1 | 2.10 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 24 F 50211 A | 105836,37 | 83-1X | 830 | 0.1 | 3.90 |
| 24 F 50229 A | 108555 | 89-1 | - | S-1 | 2.55 |

 24 F 50245 A-2 Al 920

| White | 917 | 76 | S-1, S-3 | 2.37 |
| :--- | :--- | :--- | :--- | :--- |
| Pink | $917 X$ | 760 | $0.1, S-3$ | 4.17 |

FOR ZENITH

| 24 F 50260 | B | \$15222 | Gre | 97.1 | 113 | S1 | 2.97 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 F 50278 | B | S15780 | Red 8 Green | 97-2 | 112 | S2 | 2.97 |
| 24 F 50302 | C | 142-72 | Yellow | 99-2 | 110 | S2 | 3.00 |
| 24 F 50336 | C | 142.77 | Brown | 101 | 111 | S1, S3 | 4.50 |
| 24 F 50054 | A-2 | $142 \cdot 80$ | Blue | 931 | 56 | S1, S3 | 2.37 |
| 24 F 50062 | A. 2 | 142.83 | Orange | 937X | 56D | D1, 53 | 4.17 |
| 24 F 50369 | A. 2 | 142.87 | Purple | 95 | 116 | S1, 53 | 2.97 |
| 24 F 50146 | A. 2 | 142-90 | Red | 93T-1 | 51 | S1. 53 | 2.37 |
| 24 F 50393 | E | 142-103 | Green | 13AT | - | S7. 53 | 4.77 |
| 24 F 50195 | E | 142-106 | Green | 13ATX |  | D7, 53 | 6.57 |
| 24 F 50401 | F | 142.108 | Blue | 111 | 106 | S7, S3 | 4.17 |
| 24 F 50419 | F | 142-109 | Blue \& Gold | 1110 | 1060 | D7, 33 | 5.97 |
| 24 F 50427 | G | 142-119 | Dark Green | 131 | 13 | S7, S3 | 3.57 |
| 24 F 50013 | G | 142-120 | Dark Green | 137X | 130 | D7, S3 | 5.3 |

## OTHER STEREOMONAURAL TYPES

| 24 F 50096 | E | Blue-Silver | 105 | 66 | S7. S3 | 4.17 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 24 F 51334 | F | Brown-White | 115 | 108 | S7. S3 | 4.35 |
| 24 F 51342 | F | Brown-White | 1150 | 1080 | D7, S3 | 5.97 |

REPLACEMENT CARTRIDGES FOR LAFAYETTE RECORD CHANGERS
For Model 200 with Dual Synthetic Sapphire styll. Shpg. wt., 3 oz. 24 F 29017

Net 2.95
For Model 400 With .7 mil Diamond and 3 mil Synthetic Sapphire styli. Shpg. wt., 3 oz.

Net 6.95
For Models 50 and 50 B with .7 mll Dlamond and 3 mil Synthetic Sapphire Styll. Shpg. wt., $30 \mathbf{0 z}$.
21 F 01665
Net 4.95

## EXACT REPLACEMENTS FOR PLUG-IN AND POWER POINT CARTRIDGES

Exact replacements for the popular Electrovoice power points. Astatic Sound flow and Jensen combination cartridge-styli. Made in U.S.A. Shpg. wt., 302.
Replacement for Astatic 13TX, Electrovoice 13D, and Jensen A-44XSD. Has diamond 7 mil and synthetic sapphire 3 mil styli.
24 F 37036 Net 4.25
Replacement for Astatic 13T, Electrovoice 13. and Jensen A-44X. Same as above but both tips synthetic sapphire.
24 F 37028 $\qquad$ Net 2.95
Replacement for Astatic 81T, Electrovoice 81, and Jensen A-41. Has 1 mil and 3 mil styli-both synthetic sapphire.


As Low As

## 24 F 37010

$\qquad$

## BSR STEREO AND MONAURAL

 TURNOVER CARTRIDGESThe BSR TC8S/SX1H stereo and TC8H/X1HE output monaural cartridges are designed for quality performance. Both are turnover types.
(A) Complete with turnove

MONAUAAL TYPE (FIg. A) Replaces BSR TC8M, TC8H/1, TCBH/2 and XIHE with 1 and 3 mil styli, mig. bracket 24 F 40014

STEREO/MONAURAL (Fig. B) Replaces BSR, TC8S, TC8SM and SXIH. With .7 and 3 mil styll, mig. bracket 24 F 40022 Net 2.25

Play either stereo or monaural, 4 terminals, channel separation: 20 db , response $20 \cdot 15,000 \mathrm{~Hz}$ except " is 25 db and $30-20,000 \mathrm{~Hz}$ with 350 mv output. RIAA equalized. Output 0.5 V , tracking force 6 gm . Select unit with mount 11 making an original installation in a standard arm; units less mount luṣi slip into original mount. We will ship either Astatic or Electro-Voice. Shpa. wt., 302.

| stock No. | Ast. No. | E.V. No. | Styll | Mount | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 24 F 50120 | 11 T 7 | 11 | S7, 57 | Less | 3.57 |
| 24 F 50138 | 13 TB | 138 | S7. 53 | With | 4.17 |
| 24 F 50427 | 13 T | 13 | S7. 53 | Less | 3.57 |
| 24 F 50161 | 13 TBX | 13DB | D7, 33 | With | 5.97 |
| 24 F 50013 | 13 TX | 130 | D7. 53 | Less | 5.37 |
| 24 F 50393 | 13AT* | - | S7. S3 | Less | 4.77 |
| 24 F. 50195 | 13ATX* | - | 07, S3 | Less | 6.57 |

24 F 50435 STEREO MOUNT for all above
.60

## WIDE RANGE AND HI.FI PLUG-IN MONAURAL CARTRIDGES <br> All are turnover type ceramic cartridges with dual 1 mil and 3 mil styll. Styli code

 same as all other cartridges on page. We will ship either Astatic or Electro-Voice. Shpg. wt., 3 oz.WIDE RANGE TYPES
Replaces Sonotone 2T, Shure PC-2, 4 series and many others.

| Stock No. | Ast. No. | E.V. No. | Styli | Mount | Net |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 24 F 50443 | $81 T B$ | 81 B | S1, S3 | With | 2.97 |
| 24 F 50021 | 81 T | 81 | S1, S3 | Less | 2.37 |
| 24 F 50468 | 81 TBX | 810 B | D1, S3 | With | 4.77 |
| 24 F 50476 | 81 TX | 810 | D1, S3 | Less | 4.17 |

high fideljty trpes
Replaces Sonotone $3 T$ serles, Shure PC-6, etc.

| Stock No. | Ast. No. | E.V. No. | Styll | Mount | Net |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 24 F 50484 | $89 T B$ | $89 B$ | S1, $\$ 3$ | With | 3.57 |
| 24 F 50492 | 89 T | 89 | S1, $\$ 3$ | Less | 2.97 |
| 24 F 50500 | 89 TBX | 890 B | $01, \$ 3$ | With | 5.37 |
| 24 F 50518 | 89 TX | 890 | D1, S3 | Less | 4.77 |

24 F 50526 MONAURAL MOUNT for all above

## ASTATIC STEREO MONAURAL CARTRIDGES

All crystal turnover cartridges except *hich are ceramic turn over. All are equlpped with .7 mll and 3 mll synthetic sapphire styli except t has 7 mli diamond and 3 mil synthetic sapphire styll to play stereo. LP and std, 78 RPM. Shpg. wt., 302.

|  | Stock No. | Fig. | Mir. No. | Output | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| M H. | 24 F 50534 | M | 70-TS | 2.0 V | 4.35 |
| $\rightarrow$ - | 24 F 50542 | M | 74.TS | 2.0 V | 4.35 |
|  | 24 F 50559 | N | $76 T 5 B$ | 2.0 V | 4.77 |
|  | 24 F 50567 | M | $80-\mathrm{TS}$ | 0.8 V | 4.50 |
| N | 24 F $50575^{\circ}$ | P | 17 | 0.4 V | 7.05 |
|  | 24 F 50583* $\dagger$ | P | 170 | 0.4 V | 9.45 |
|  | 24 F 505914 | N | 860 | 0.8 V | 8.10 |
|  | 24 F 50609 | N | 86 TSE | 0.8 V | 5.10 |
|  | 24 F 51359** | a | 133 | 0.5 V | 5.85 |
|  | 24 F 51367* $\dagger$ | a | 133 D | 0.5 V | 8.25 |
|  | 24 F 51318 | R | 140 | 1.0 V | 4.50 |
|  | 24 F 51326 $\dagger$ | R | 1400 | 1.0 V | 7.50 |
|  | 24 F 51375 | R | 142 | 2.0 V | 4.35 |
|  | 24 F 51425 | R | 142 D | 2.0 V | 7.35 |
| - -2 | 24 F 51433 | R | 142 R | 2.0 V | 5.55 |
|  | 24 F 51441 | R | 142 RD | 2.0 V | 7.35 |
| - | 24 F 51383 | R | 146 | 3.0 V | 3.87 |

## ASTATIC REPLACEMENTS FOR

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 LT. 7 mil and 3 mil . Shpg. wt., 3 oz .

| Stock No. | Ast. No, |  | Fig. | Vaco Equiv. | Output | Ne |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 F 50617 | 470 | LS | S | T0-45 $\times$ (G) | 3.0 | 3.57 |
| 24 F 50625 | 472 | $1 T$ | I | ST-2X, 100x, 20X, 20G | 0.8 | 4.50 |
| 24 F 50633 | 474 | LT | $T$ | SI-200X, 40X, 4X, 40G | 2.0 | 4.3 |

Save Money with Lafayette's Stereo Components

# Astatic and Electro-Voice Cartridges 



MONAURAL REPLACEMENT CARTRIDGES
Order by stock number. We will ship either Astatic or Electrovoice.
TURNOVER TYPES
All are equipped with dual synthetic sapphire styli; 1 mil (LP) and 3 mil (std 78). Average shpg. wt, 302.

| Stock No. | AST No. | E.V. No. | Fig. | NET | Stock No. | AST No. | E.Y. No. | Fig. | NET |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 F 50658 | 401 | 24 | AA | 4.17 | 24 F 50781 | 3107 | 62 | U | 3.27 |
| 24 F 50666 | 4018 | 25 | B | 5.07 | 24 F 50799 | 310 TS | 63 | $\checkmark$ | 3.27 |
| 24 F 50674 | 41 T | 28 | AA | 5.70 | 24 F 50815 | 312 TS | 67 | $v$ | 3.87 |
| 24 F 50690 | 557 | 38 | PP | 4.71 | 24 F 50823 | 31415 | 68 | R | 3.27 |
| 24 F 50716 | 62 TY | 43 | $J$ | 4.77 | 24 F 50831 | 405 | 49 | J | 4.77 |
| 24 F 50724 | 64TS | 84 | R | 4.17 | 24 F 50849 | 406 | 134 | RR | 4.77 |
| 24 F 50732 | 66TS | 48 | RR | 4.35 | 24 F 50864 | 420 | 80 | 88 | 3.27 |
| 24 F 50740 | $66 T Y$ | 49 | J | 3.90 | 24 F 50872 | 422 | 82 | B8 | 3.57 |
| 24 F 50757 | 118 | 91 | V.1 | 3.87 | 24 F 30205 | 445 | 38 | 1 | 4.44 |
| 24 F 50773 | 124 | 87 | V-I | 3.87 | 24 F 50765 | 120 |  | V. 1 | 3.87 |

All with synthetic sapphire 1 mil styti for LP only. Except " has .7 mil. Shipg. wt.. 3 oz .

| Stock Mo. | AST No. | E.V. No, | Fig. | NET | Stock No. | AST No. | E.V. No. | Fig. | NET |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 F 50971 | 40.1 | 20 | A | 3.90 | 24 F 51029 | 310.7 | 58 | T | 2.37 |  |
| 24 F 50997 | $51-1$ | 30 | 0 | 4.44 | 24 F 51045 | $414-1$ | 77 | U | 2.67 |  |
| 24 F 51011 | 62.1 | 41 | 0 | 2.97 |  |  |  |  |  |  |

ALL GROOVE TYPES
All equipped with single 2 mil synthetic sapphire styli for all speeds except * is osmium tip and $\dagger$ is less needre. Shpg. wt., $3 \mathbf{0 z}$.

| Stock Mo. | AST No. | E.V. No. | Fig. | NET | Stock No. | AST No. | E.V. No. | Fig. | NET |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 F 51052 | $16 \dagger$ | 17 | H | 2.37 | 24 F 51102 | 66.2 | 45 | H | 2.97 |
| 24 F 51391 | 18 | 18 | M | 1.95 | 24 F 51110 | 1064 | 50 | S | 2.97 |
| 24 F 51086 | 40-2 | 23 | A | 3.90 | 24 F 51128 | $310 \cdot 2$ | 59 | t | 2.97 |
| 24 F 51094 | 51-2 |  | 0 | 4.44 | 24 F 51144 | 414.2 | 78 | U | 2.67 |

## REPLACEMENT FOR MAGNAVOX

Complete with mounting trardware and dual synthelic sapphire styll except the LP needle in types ending in 0 are diamond. $\dagger$ indicates stereo cartridge. Shpg. wt., 3 oz.

Stockno. Mrf. No. Fig.

24 F 30213188 D
24 F 302211890
24F51169463
24 F 511774630
24 F 51185 461t 24 F51193 4610 $\dagger$ 24 F $51201459 \dagger$ 24F51219 4590 24 F 51409 1630t 24 F 51417 1650t 24 F 51516 1950

| Replates Magnavor No. | NET |
| :---: | :---: |
| 560151-4-9, 560158.2 | 12.00 |
| 560169-1, 560170-1 | 11.20 |
| 560216-1-2, 560217-2, 560218-1-2 | 6.30 |
| 560219-2, 560228-1-2, 560229-2 | 8.70 |
| 560281-1-4, 560296-3-7 | 6.30 |
| 560290-1.3* | 8.70 |
| 56029-1-2, 560275-1-2 | 6.30 |
| 560290-1.3* | 8.70 |
| $560350 \cdot 1$ | 5.70 |
| 560355.1 | 7.50 |
| 560365-2 | 7.50 |

- for Magnavox 560290-1 or $\mathbf{- 3}$ use Astatic 459 series lor 2 hole mount, use Astatic 461 series for single hoie mount.


## REPLACEMENT CARTRIDGE FOR RCA

- Replacement for cartridges In many thou sands of RCA- 45 and many LP record chang. ers - 1 mll Synthetic Sepphire Stylus - 2.3 volt output - Nigh Impedance Crystal Takes $7-10$ grams pressure $-5 / 8^{\prime \prime}$ Mounting Centers
Exact replacement for many standard 45 RPM and $331 / 3$ RPM cartridges. For RCA: 74067, 74625, 75476, 75575, 76318; and Shure: W31AR, P73, P73A, P73AR, P73R. 24 F 60012 imported. above
24 F 02055



Synthetic Sapphire replacement stylus for
Net .99

## E.V SERIES 20 HI-FI STEREO-MONOPHONIC CARTRIDGES

Hi-Fi Ceramic cartridges. Exclusive design eliminates turntable rumble. 21 series are single needle types with .7 mit styli to play stereo and IP monaural. 26 series are turn over types with .7 mit and 3 mil styli to play stereo and all monaural records. Types with * match magnefic phono input. IIP CODE $S=$ SYNTHETIC SAPPHIRE. $D=$ DIA. MOND. Shpg. wf., 3 oz

| Stock No. | E.Y. No. | Styll | NET |
| :---: | :---: | :---: | :---: |
| 24 F 30056 | 21 | \$. 7 | 6.30 |
| 24 F 30064 | 22* | \$. 7 | 7.50 |
| 24 F 30072 | 210 | 0. 7 | 9.00 |
| 24 F 30080 | 220* | D. 7 | 10.80 |
| 24 F 30098 | 26 | S.7, \$. 3 | 6.90 |
| 24 F 30114 | 26D | D. $7,5.3$ | 9.90 |
| 24 F 30122 | 270* | D. 7.5 | 11.70 |

## ELECTRO-VOICE <br> FEATHERIDE

WIDE-RANGE CERAMIC


- Absolutely Scratch Proof
- Plays Stereo or Monaural

Protect your records with these fine floating action spring-suspension cartrldges which makes it practically impossible to damage either record or stylus. Reduces dis. tortion caused by warped records. Both are Hi-fi quality and will fit all standard arms with $7 / 16^{\prime \prime}$ or $1 / 2^{\prime \prime}$ mig. centers. Excellent separation and low distortion. Equipped with .7 mit diamond and 3 mil synthetic sapphire styll. Shpg. wt., 3 oz.
TYPE 1490F Tracking pressure 2-4 grams. 24 F 30163

Net 10.50
TYPE 1500 F Tracking pressure 4.6 grams. 24 F 30171

## REPLACEMENTS <br> FOR RCA STEREO <br> 踥

All equipped with dual .7 mll and 3 mil styll. types with * have diamond 7 mil and syn. thetic sapphire 3 mil; others both tips synthetic sapphire. Series 475 in phase; series 477 out of phase. Series 487 feather action We will ship elther E.V. or Astatic. Shpg. wt. 6 oz, Type 320 is fig. B, others fig. A. Shpg wt., 302.


All with duat .7 mil and 3 mil synthetic sapphire styll except * have dlamond .7 mil. SnPg. Wt., 3 oz.

| Stock No. | Astailc |  | Replaces | NET |
| :---: | :---: | :---: | :---: | :---: |
|  | Fig | No. |  |  |
| 24 F 51318 | A | 140 | VM 31615A | 4.50 |
| 24 F 51326* | A | 140D | VM 31615B | 7.50 |
| 24 F 51292* | B | 153RD | VM 274930 | 10.50 |
| 24 F 51458 | B | 710 | Euphonics U1 | 5.97 |
| 24 F 51466* | 8 | 7100 | Euphonics U2 | 9.90 |
| 24 F 51300 | 8 | 153R | Euphonics U10R | 8.10 |
| 24 F 51292* | B | 153R0 | Euphonics |  |
|  |  |  | U11R | 10.50 |

# Popular Replacement Cartridges 



High performance ceramic cartridge now in use by many phono manufacturers and ideal for either general replacement or updating present equipment. All are stereo, stereomonaural except series 3T which is for monaural use only. Series 2IT, 24 TA are designed
for use with transistorized equipment. Series 9TAF, 16TAF, 18T, 21T, and 24TA feature the accident-proof, drop-proof Sono-flex "F" stylus. All have standard mounting dimen. sions. Styli code for all below: D-diamond, S-synthetic sapphire. Avg. shpg. wt., 302.

| Stock No. | Model | Fig. | Styli | Net | Stock No. | Model | Fig. | Styli | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 F 79012 | 3T-S | 1 | S1-S3 | 5.85 | 24 F 79210 | 16TAF.S | 5 | S.7-S. 3 | 4.92 |
| 24 F 79020 | 3 T.SD | 1 | D1-S3 | 7.92 | 24 F 19236 | 16TAF-SD | 5 | D.7-53 | 6.99 |
| 24 F 79079 | 8TA.4S | 2 | S.7-S3 | 6.60 | 24 F 79244 | 18TAF.S | 5 | S.7-53 | 4.53 |
| 24 F 79087 | 8TA.4SD | 2 | D.7-53 | 8.68 | 24 F 79269 | 18TAF-SD | 5 | D.7-53 | 6.60 |
| 24 F 79095 | 8 TA 4 4 77 | 2 | S.7-5.7 | 6.60 | 24 F 79509 | 21T.S | 6 | S.7.53 | 4.92 |
| 24 F 79178 | STAFHC-S | 3 | S.7-53 | 7.05 | 24 F 79525 | 21T-S | 6 | 0.7-53 | 6.99 |
| 24 F 79194 | 9TAFHC-SD | 3 | 0.7.53 | 9.09 | 24 F 79525 | 21T-SD | 6 | 0.7-53 | 6.99 |
| 24 F 79343 | 10T2-LB-S | 4 | \$.7-53 | 4.89 | 24 F 79533 | 24TA-S | 6 | S.7-53 | 6.60 |
| 24 F 79350 | 10T2-LB-SD | 4 | 0.7-S3 | 6.96 | 24 F 79558 | 24TA-SD | 6 | 0.7-53 | 8.79 |

## REPLACEMENT CARTRIDGE FOR GARRARD 30



Exact replacement cartridge for Garrard Model 30 automatic turntable. Ceramic turnover cartridge has .7 mil diamond stylus and 3 mil synthetic sapphire stylus. Shpg. wt., 3 oz . 24 F 30239

Net 6.90
Replacement stylus assembly for above. Shpg. wt., 2 oz. 24 F 03335

Net 2.49
REPLACEMENT CARTRIDGES FOR VACO and RONETTE


Replacements for thousands of changers and players both imported and domestic. All types equipped with synthetic sapphire styll and turnover mechanism. Imported. Shpg. wt., 3 oz.

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 F 10167

REPLACEMENT STYLI
99 F 10175.7 mil for stereo 99 E 101833 mil for 78 Diamond 7 mil for stereo 24 + 01586

Stereo/monaural. Same as above but output is 2 volts. Replaces VACO ST4, ST4X, ST5, ST5X, ST40, ST40X, ST200, ST200X and Ronnette 106 series, 208 series, Astatic 76TSB, 70 TS and E.V. 96 and 98.
24 F 79103
Net 2.64
Monaural with 1 mil and 3 mil styll, mtg . bracket and knob. Output: $2-3$ volts. Replaces VACO types 145 , TO45, TO45X, Ronnette types $15,18,21,24,7825$, DC395, DC395S, DC400, DC. $400-222$, DC-400-222S, OC500, TO-284 series, TO285T, TO287 serles, T0-395 series, T0-400-200, T0-400-222; Astatic 420,120 and E.V. $80,88$. 99 F 10225

Net 1.39

## REPLACEMENT FOR SONOTONE 2TA-S CERAMIC CARTRIDGES



This high fidelity monaural turnover cartridge is equipped with dual styll to play all types of both monaural and stereo records. Has .7 mil and 3 mil synthetic stylf. Replaces a host of cartridges including previous Sonotone models of 2T series, 9980 series which were used in thousands of rec. ord changers and players. Frequency response: $20-20,000 \mathrm{~Hz}$-liat to $12,000 \mathrm{~Hz}$; output 1 -volt; compliance $2.0 \times 10^{-4} \mathrm{~cm} / \mathrm{dyne}$; tracking force 6 grams. Ceramic. element highly immune to heat and humidity. highly mmmune to heat and
24 F 79111 Shipg. wt., 3 oz .


VR-1000 STEREO CARTRIDGES
Variable reluctance stereo cartridges featur* ing extended frequency response and low tracking pressure. Supplied with diamond stylus.
VR-1000-3 ELLIPTICAL DIAMOND NEEDLE STEREO CARTRIDGE. For any quality changer or tone arm that tracks from 3.7 grams vertical force. Shpr. wt., $50 z$.
21 F 38493 L
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., 502. 21 F 38014 L

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 F 38030L Shpg. wt. 502.

Net 12.59
VRII MONAURAL CARTRIDGES
Variable reluctance monaural cartridges featuring smooth frequency response and extremely high compliance. Utilizes clip-in tip stylus assembly for simple instaliation. Cartridges supplied tess stylus. Select stylus type(s) to sult your particular application from listing below
VR-IIS SINGLE-TYPE CARTRIDGE. "Single. Play" cartrldge accommodating one stylus. Supplied less stylus. Select stylus from listing below. Shpg. wi., 3 oz.
21 F 38519 Cartridge less stylus .... Net 5.42 VR-IID DUAL TYPE CARTRIDGE. Convenient dual stylus "Triple.Play" cartridge. A twist of the knob brings either microgroove (LP or 45 RPM) or standard 78 RPM stylus into position. Supplied less styll. Select styli from listing below. Shpg. wt., 301.
21 F 38535 Cartridge less styli .... Net 6.67
G.E. STYLI

Individual stylus tlps for VR-II series car tridges. D--diamond stylus, S-synthetic stylus. Shpg. wt., 302.

| Stuck No. | GE Type | Stylus | Net |
| :---: | :---: | :---: | :---: |
| 21 F 38188L | 4G.07S | 7 mil s | 1.42 |
| 21 F 381 96L | 4G-02S | 2.5 mil S | 1.42 |
| 21 F 38204L | 4G-03S | 3 mil s | 1.42 |
| 21 F 38212L | 4G.070 | 7 mil D | 3.33 |
| 21 F 38220L | 4G.02D | 2.5 mil D | 3.33 |
| 21 F 38238L | 4G.030 | 3 mil D | 3.33 |

## MODELS C100A and C200 STEREO CERAMIC

 CARTRIDGES

MODEL C100A-A quality stereo ceramic replacement cartridge for thousands of phonographs and changers in use today. Freq. response 20 thru $12,000 \mathrm{~Hz}$, output 450 millivolts. With .0007 dia. and .003 synthetic sapphire stylus.
21 F 38469 L Shpg. wt., 3 oz. .......... Net 8.07 MODEL C200-Essentially same as Model C100A except frequency response 20 thru $17,000 \mathrm{~Hz}$. output 300 millivolts.
$21^{\prime}$ F 38477 L Shpg. wt., 3 oz. ........ Net 8.07
TA. 1 Replacement stylus for C100A and C200. 21 F 38485 L Shpg. wt., 3 oz. .......... Net 4.17

# Phono Preamps, Amplifiers \& Accessories LAFAYETTE PHONO PREAMPLIFIERS LAFAYETTE SOLID STATE STEREO PHONO PREAMP 

## - 4 Silicon Transistor Circuitry

A self-powered compact solid-state stereo phono preamplfifer especially designed for use with Hi-fi stereo amplifiers not having magnetic cartridge inputs. The exceptional feature of this preamplifier is that its compact size permits mounting quickly and simply to the sides or back of the record changer/player base, without marring the appearance of your matched $\mathrm{Mi}-\mathrm{Fi}$ system.

Compact Size Permits Concealed Mounting
Frequency response: $30 \cdot 20,000 \mathrm{~Hz}$. RIAA Playbach Curve. Gain: 6 mv . Input for 0.5 volt output. Input Impedance: 50,000 ohms. S/N ratio over 60 db . Input: 2 RCA type phono lacks. Output: 2 RCA type phono jacks. Power Supply: 117 VAC $50 / 60 \mathrm{~Hz}$. Power consumption: 1 watt. Size: $4 \times 21 / 2 \times 11 / 2^{\prime \prime}$. Imp. orled.
99 F 02198 wt., 1 lb
Net 7.95
$7^{95}$


## MONAURAL PHONO PREAMP

A self powered monaural preamplilier for use with any Mi-Fi amplifier that does not have a low level input for magnetic cartridges, tape head, or microphone. Response: $\pm 2 \mathrm{db} 30-20,000 \mathrm{~Hz}$. Gain (Phono): $40 \mathrm{db}, 5$ mv input for 1 volt output. Gain-Mike 60 db . 1 mv input for 1 volt output. Output imped. ance - 100,000 ohms. Phono-Tape Equalization
switch, 2 input jacks, 16 inch output lead with RCA phono plug. Power supply: 105-125 VAC, $50 / 60 \mathrm{~Hz}, 4$ watts. Size: $31 / 4 \times 35 \times 311 / 4{ }^{\prime \prime}$. Polished chrome chassis. Less 12AX7A tube. Imported. Shpg. wt., 2 lbs.
99 F 01380
Net 6.95
12AX7A tube for above. Shpg. wt., $40 z$. 36 F 31900 Net 1.26

## STEREO PHONO PREAMP

Self-powered stereo preamplifier for use with any stereo amplifier that does not have low level inputs for magnetic cartridge, tape head, or microphone. Response: $\pm 2 \mathrm{db}$ $30 \cdot 20,000 \mathrm{~Hz}$, Gain (Phonograph): 40 db .5 mv input for 1 volt output. Galn (Microphone): $60 \mathrm{db}, 1 \mathrm{mv}$ input for 1 volt output. Output impedance: 100,000 ohms. Preamp has Phono-

Tape Equalization Switch, 4 input facks, 2 16 -inch output leads with RCA phono plugs. Power supply: $105-125$ VAC, $50 / 60 \mathrm{~Hz}, 8$ watts. Size: $53 \times 355 / 10 \times 41 / a^{" c}$. Polished chrome chassis. Less $212 A x 7 a$ tubes. Imported. 99 F 01398 Shpg. wt., $27 / 4$ tos. Net 9.95 12Ax7A tube for above (2 required) 36 F 31900


- Ideal For Use With Amplifie:s That Do Not Have Low Level Inputs For Magnetic Cartridges



## THREE TUBE AC-DC

 PHONO AMPLIFIER

## 4 TUBE AC/DC STEREO

 PHONO AMPLIFIER
(Less Tubes)

- 2 Output Transformers
- 2 Separate Tone Controls


Powerful yet compact stereo amplifier produces up to 2 watts per channel. Uses 4 tubes: 2 12AV6 2 50C5. Selenium rectifier power supply. Output impedance: 3 ohms. Separate volume controls for each channel. Size: $6^{11} 10 \times 2 K_{4} \times 4^{\prime \prime}$. Less tubes. Imported. Wt., $1 \frac{13}{4}$ lbs. 99 F 01547
36 F 90021 M Kit of 4 tubes Shpg. wt., 6 oz.
Net 6.95
Equipped with a variable tone control and volume control with off position. Dellvers up to 2 watts output to 3 ohm speaker. Uses 3 tubes: $35 \mathrm{~W} 4,50 \mathrm{C} 5,12 \mathrm{aV} 6$. Input impedance: 150 K ohms. Features top mounted output transformer. Less tubes. Size: $57 / \mathrm{m} \times 2 \%_{1} \times 4^{\prime \prime}$. Imported. Shpg. wt.,12/2lbs.
99 F 01539
Net 4.98
36 F 90013 M Kit of 3 tubes Shpg . wt., 5 oz .
Net 3.32

## 4-SPEED PHONO MOTOR

Quiet dependable AC operation assured by rubber shock-mounted frictlon drive motor. Speed change control through idler driving rim of $8^{\prime \prime}$ metal turntable having foam record cushion and retractable 45 RPM center adapter. Requires $21 / 2^{\prime \prime}$ below base plate Shpg. wt., $31 / 4$ lbs.
24 F 27029 Motor and turntable
Net 5.95
24 F 35014 Mounting boards. Wi.
110
Net 1.50


## STEREO/MONAURAL PICKUP



High output crystal turnover cartridge for elther stereo or monaural operation. Synthetic sapphire needles ( 1 mll and 3 mil ) for LP and standard 78 RPM use. Replacement for most manual players. Mounts in Ki" dla. circular hole, imported.
99 F 10241 Shpg. wh., 5 oz. .......Net 1.95 Synthetic Sapphire LP replacement needie. 99 F 10274 Shpg. wt., 2 oz. ....... Net 49 Synthetic Sapphire STO replacement needle. 99 F 10282 Shpg. wt., 2 oz.

AUTOMATIC HI-FI SHUTOFF


Shuts off HI-FI equipment at the end of the last record. A 3 -position switch allows the use of this one unit for all record changers, domestic and imported. This switch also permits manual operation if the automatic shut-off feature is not desired. Housed in a rugged drawn-steel case with mounting ears, rugged drawn-stee case with mounting ears, $21 / 8 \times 43 / 4 \times 17 \mathrm{a}^{\prime \prime}$. Shpg. wt., 10 oz .
24 F 28019
Net 5.25


Have fun making announcements and broad. casting music through your own radio-with this broadcaster. Simply connect high impe. dance microphone or phono pickup to broadcaster and tune in broadcaster on radio. No wiring between the broadcaster and radio set. Pretuned to 1600 on radio dial but easily retuned. With 12BE6 and 35W/ tubes, phano jack, 2 feel of antenna, schematic and llne cord. Completely wired. Chassis size: $4 \times 2^{\prime \prime}$. For $110-125 \mathrm{~V}$ AC/DC operation. Imported. 99 F 01778 Shpg. wt., $13 / 4$ lbs......... Net 4.95

## LAFAYETTE Diamond and Sapphire Styli <br> 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.
CP = Monaural 1 MIL DIAMONO MICROGROOVE FDR 331/3 AND 45 RPM
COmb = monaural dual 1 mil diamond and 3 STYLI ON THIS PAGE MIL SYNTHETIC SAPPHIRE $S$ = STEREO. 7 MIL DIAMOND
SST = STEREO . 7 MIL DIAMOND ANO 3 MIL SYN. THETIC SAPPHIRE
SLP = STEREO . 7 MIL DIAMONO AND 1 MIL SYN. THETIC SAPPHIRE

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

FOR ACDS CARTRIDGES
24 F 01602 SST 173.1
FOR ADMIRAL CARTRIOGES

## 24 F 01156 LP

24F01180 Comb.
24 F 01206 LP
24 F 01529 S
24 F01537 S
FOR ASTATIC CARTRIOGES

| 24 F 01206 | LP | 4 | a, 44, 46, 166T |
| :---: | :---: | :---: | :---: |
| 24 F 01214 | LP |  | Series $\mathrm{AC}, 40,165 \mathrm{~T}$ |
| 24 F 01222 | LP | 8 | 1,2,166T |
| 24 F 01248 | Com | 9 |  |
| 24 F 01297 | LP | 10 |  |
|  |  |  |  |
| 24 F 01644 | SST | 11 | 17, 170 |
| 24 F 01792 | 1P | 12 | $\begin{aligned} & 118,120,124,310, \\ & 420 \text { series } \end{aligned}$ |
| 24 F 01859 | SST | 13 | 133, 137, 233 |
| 24F02295 | S | 12 | $5 \mathrm{~T}-100,70,74,7$ |
| 24 F 02303 | SST | 14 | 153, 157, 461, 481 |
| 24 F 02311 | SST | 15 | 138, 140, 142, 146 |
| 24 F 02329 | SST | 16 | 1670. 1690, 1810 |
| 24 F 02766 | S | 17 | 346, 348 |
| 24 F 02774 | SST | 18 | 165, 353, 355 |
| 24 F 02931 | SST | 19 | 393 |
| 24 F 02949 | SST | 20 | 271, 273, 349, 351 |

## FOR BSR CARTRIDGES

24 F 01586 S 12 TCBS, TC-8SH, TC85 24 F02386 SST $21 \quad$ C. 1 24 F 02758 COmb. 22 XIM, X1H, XIHE

| FOR COLUMBIA |
| ---: |
| 24 FARTRIOGES |
| 24560 S |
| 23 |
| SC1, $2,7,8$ |

FOR ELAC-MIROTWIN CARTRDGES
24 F 01701 SST 24 KST-104, PE. 182

| FOR ELECTRO-VOICE CARTRIOGES |  |  |  |
| :---: | :---: | :---: | :---: |
|  | F01529 S | 5 | 21 and 26 Series |
|  | F 01867 SST | 26 | 117, 131, 1310 |
|  | F01875 SST | 27 | 132 |
|  | F 01883 SST | 28 | 141. 149 |
|  | F 02337 SST | 29 | 198, 199 |
|  | F 02345 SST | 30 | 194 |
| 24 | F 02782 SST | 31 | 5000,5005 |
| 24 | F 02956 SST | 32 | 5015 |
| 24 | F 02964 SST | 33 | 5050, 5051 |
|  | F 03335 SST | 80 | 5026 |

appropriate stock number. Shpg. wt., 3 oz.

## ALL SINGLE

DIAMOND AND
DIAMOND SAPPHIRE

## HOW TO ORDER

Identify your needle by cartridge number and illustration on this and the facing page. Order by the

## WHOLE DIAMONDS, PRECISION GROUND AND POLISHED. SAPPHIRE STYLI are finest synthetic. <br> LAFAYETTE DIAMOND STYLI ARE MADE FROM WHOLE DIAMONDS,

| Stock No. | Size Pt. | Fig. | Cartritge | Stock No. | $\begin{aligned} & \text { Size } \\ & \text { PL } \end{aligned}$ | Fig | Cartridge |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FOR | EUP | NICS | CARTRIDGES | FOR PHILLIPS CARTRIDGES |  |  |  |
| 24 F 01651 | S | 34 | E1.3 | 24 F 01909 SST |  | 52 | AG3306, 3310 |
| 24 24 24 017178 | SST | 35 36 | $\begin{aligned} & \mathrm{U} \cdot 1-2 \cdot 4-5 \\ & \mathrm{U}-8 \end{aligned}$ |  |  |  |  |
| 24 F 01891 | SST | 36 | U-10, U-11 | FOR RCA CARTRIOGES |  |  |  |
| 24 F 02352 | SST | 36 | $\mathrm{U}-12, \mathrm{U}-13$ |  |  |  |  |  |  |

on hca cartrioges

FOR GENERAL ELECTRIC CARTRIDGES
24 F 01347 LP 37 RP X040, 041, 042 24 F 01362 LP 38 RPY040A, O50A,

24 F 01370 LP 39 VRII Serics, $4 G-050$
24 F 01594 S 40 CC. 7
24 F01610 S 40 VR227
24 F 01776 SST 41 C100
24 F 02360 SST 41 C200, C100A
24 F 02378 SST 42 C500
24 F 01354 Comb. 43 RPJ-013, A

| FOR MAGNAVOX CARTRIDGES |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | F 01180 | Comb. | 3 | 560 |
|  | F 01396 | Comb. | 44 | $\begin{aligned} & 560151,58,69,70, \\ & 81 \end{aligned}$ |
|  | F 01461 | Comb. | 45 | 560161 |
|  | F 01792 | LP | 12 | 560176,80 |
|  | F 01529 | S | 5 | 560233.4 |
|  | F 01669 | SST | 46 | 560260.1 |
|  | F 01875 | SST | 27 | 560305-1 |
|  | F 02576 | SST | 47 | 560344-45 |
|  | F 02774 | SST | 18 | 560355 |
|  | F 02782 | SST | 31 | 560365 |

FOR MASTERCRAFT CARTRIDGES
24 F 02584 SST 48 RP100

FOR MOTOROLA CARTRIDGES
24 F01529 $\$ \quad 6 \quad 59 K 643335$
24 F $015375 \quad 5 \quad 59864395$

FDR PERPETUUM-EBNER CARTRIOGES 24 F 01420 Comb, 49 PE. 8, PE. 10 24 F $01537 \mathrm{~S} \quad 6$ PE90 (M, N) 24 F 02790 SST 51 PE-186 24 F 02808 SST 51 PE-188

FOR PHILCD CARTRIDGES
24 F 01404 Comb. 44 M20, 22, 25, 459612
$\begin{array}{llll}24 \text { F } 01529 & \text { S } & 5 & 35 \cdot 2809,24,25 \\ 24 \text { F } 01537 \text { S } & 6 & 35 & 2820,26\end{array}$


| 24 F 01156 | LP | 2 | S5652, 76257 |
| :---: | :---: | :---: | :---: |
| 24 F 01214 | LP | 7 | 76257, 988370-2 |
| 24 F 01222 | LP | 8 | 74067 |
| 24 F 01248 | Comb. | 9 | 100329 |
| 24 F 01347 | LP | 37 | 74466 |
| 24 F 01461 | Comb. | 45 | 76748, 100653 |
| 24 F 01537 | S | 6 | RPM200, T, T-1 |
| 24 F 01578 | SST | 53 | 106770, 1, 106960A |
| 24 F 01768 | SST | 54 | 110021 |
| 24 F 02394 | SST | 54 | 11348, 200-12 |
| 24 F 02402 | S | 55 | 115059 |
| 24 F 02592 | SST | 56 | RMP-204, 115276 |
| 24 F 02600 | SST | 57 | 117330 |
| 24 F 02816 | S | 58 | 116931 |
| 24 F 03277 | s | 59 | 126316 |

FOR RONETTE CARTRIOGES

| 24 F 01537 | S | 6 | EF $40,105,106$ |
| :---: | :---: | :---: | :---: |
| 24 F 01792 | LP | 12 | T0284, 400; RA2 |
| 24 F 02469 | LP | 6 | 8F40, 105 |

## DUAL DIAMOND STEREO STYLI

Styli listed below have 2 stereo points so that as one wears out you can use the other. Use to replace original styli with one sterea and one 78 RPM point if you are no longer using 78 RPM records. Figures shown at top of two facing pages. (FIG. II). Replaces Astatic NAISD stylif in 24 F 170 cartridge. 24 F 01800
(FIG. 53). Replaces RCA styli 11020 and 110022 in cartridge series RPM, 106960. A. 108213A, 106770-A and 106771.A. 24 F 01818

Net 3.49
(FIG. 46). Replaces Sonotone styli N.8TAS SD, DD in cartridge BT, 8TA.
24 F 01826
Net 3.49 (FIG. 64). Replaces Sonolone styll N.97S, SD, DD in cartridge series 9 T .
24 F 01834
Net 3.49
(FIG.64). Replaces Sonotone styli N16TS, SD, DD in cartridge series 16 T .
24 F 01842
Net 3.49

## For Stereo And Monaural Cartridges

F

FOR TELEFUNKEN CARTRIDGES
$\begin{array}{llll}24 \text { F } 01487 & \text { Comb. } & 69 & \text { TTSA } \\ 24 \text { F } 01628 & \text { SST } & 71 & 120-2 \\ 24 \text { F } 02618 & \text { SST } & 71 & \text { T-23 }\end{array}$

## FOR TETRAD CARTRIDGES

24 F 02626 SST 72 11, 31
24 F 02634 SST 72 21, 41
$\begin{array}{llll}24 & \text { F } 02642 & \text { SST } & 72 \\ 02659 & \text { SST } & 72 & 13,33\end{array}$
24 F 02667 SST 72 52, 62
24 F 02675 SST $72 \quad 42$

## RECDRD STATIC

and DUST ELIMINATOR
Sprays a fine mist which keeps your record clear of surface noise created by static (common to all vinyl records) and clean of dust attracted by the static charge. Prevents Rroove and needle wear caused by static-dust and keeps records Justrous, Extends their life. Two applications a year are sufficlent. Enough for hundreds of records. Shpg. wt., 10 oz. 24 F 70037


## RECDRD 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. Supplled with anti-static fluid, velvet applicator. 24 F 70045 Shpg. wt., 5 oz.

Net 1.19


| Slock |
| :---: |
| Mo. |
| Pt. |
| Size $\quad$ Fig, Cartridge |

TETRAO (Cont.)

| 24 F 02832 | S | 72 | 10, 40, 80 |
| :---: | :---: | :---: | :---: |
| 24 F 02840 | SST | 72 | 23, 24 |
| 24 F 02972 | SST | 72 | 51, 61 |
| 24 F 02980 | SST | 72 | 53, 63 |
| 24 F 02998 | SST | 72 | 54, 64 |
| 24 F 03004 | S | 72 | 20, 40 |
| 24F 03012 | S | 72 | 10,30 |
| 24 F 03020 | S | 72 | 80 |
| 24 F 03038 | SST | 72 | 71, 91 |
| 24 F 03046 | SST | 72 | 73,93 |
| 24 F 03053 | SST | 72 | 14, 34 |
| 24 f 03293 | SST | 72 | 24, 44 |
| 24 F 03301 | SST | 72 | 74,94 |
| FOR | VARCO | (vaco | ) CaRtRIOgES |
| 24 F 01016 | LP | 73 | T. 45 S.45 |
| 24 「02543 | SST | 74 | CN Series |
| 24 F 02550 | SST | 75 | TN Series |
| 24 F 03202 | SST | 76 | TN-4 |
| FOR VM CARTRIDGES |  |  |  |
| 24 F 01529 | S | 5 | 16707-A |
| 24 F 01545 | SST | 45 | 16708-F |

FOR WEBCOR CARTRIOEES

| 24 F 01529 S | 5 | 21 P 573 |
| :--- | ---: | :--- |
| 24 F 01537 S | 6 | $21 \mathrm{P} 596,21 \mathrm{P} 598$ |
| 24 F 01545 SST | 46 | $21 \mathrm{P} 700-1-2-3-4$ |

## FOR ZENITH CARTRIOGES

| 24 ¢ 01537 | S | 6 | 142-99E |
| :---: | :---: | :---: | :---: |
| 24 F 02857 | SST | 77 | $\begin{aligned} & 142-126,7, \\ & 7,8 \end{aligned}$ |
| 24 F 02865 | SST | 77 | 142-150, 51 |
| 24 F 03327 | SST | 78 | 142-167 | 24 F 03327 SST 78 142-167

RECORD CARRYING CASES


## DELUXE CASE FDR 12" RECORDS

(Fig. A) Handsome 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. $131 / 4 x$ $7 \times 141 / 2^{\circ}$. Shpg. wh., $43 / 4 \mathrm{lbs}$. $7 \times 141 / 2$.
24 F 82016

Net 5.75

## DELUXE CASE FOR 7" RECDRDS

(Fig. B) Same construction as above. Double sided. Holds 120 records. $15 \frac{1}{2} \times 7 \times 81 / 4^{\prime \prime}$. With Index and separators. Shpg. wt., $41 / 4 \mathrm{lbs}$. 24 F 82024


SYNTHETIC SAPPHIRE STYLI FOR ASTATIC, PHILCO,
MAGNAVOX AND RONETTE
(FIG. 12). For ASTATIC 3101, 310T8, 310TS, $310-2,416-1,420-T S, 422-T S, 424$. TS; PHILCO 35-8014, 325-8021: MAGNAVOX 560176 ; RONETTE Series DT-60, RA.284, T0-284. 24 F 019823 Mil for 78 RPM Records Net .99 24 F 019902 Mil for 78 \& Mono LP. Net . 99 24 F 020141 Mil for Mono LP ........Net .99

(FIG. A) 7 Mil Diamond Stylus For Shure M7D and M3D Stereo Car. tridges.
24 F 01636
Net 7.50
(FIG. B) 7 Mil Diamond Stylus For Shure M44 Stereo Cartridge. 24 F 03061

Net 8.75
(FIG. C) 6 Mil Diamond Stylus For Empire 880P Stereo Cartridge. 24 F 03079

Net 7.95
(FIG. D) 7 Mil Diamond Stylus For Empire 888 Stereo Cartridge. 24 F 03087

## 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 antlstatic cleaning fluld has a built-in wick for application to a brush and pad at the end of arm. Imported. Shpg. wt., 5 oz . 24 F 25015

Net 6.50
OISPENSER OF ACTIVATIMG FLUIO. FOR Dust Bugs. Shps. wt., 2 oz.
24 F 25049
Net 2.50
24 F 25031 Replacement Plush Pad and Nylon
Brush. Shpg. wt., 2 oz. ............... 3.00

## RECORD DUST REMOVER

For 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 F 25056 Shpg. wt., 4 oz.

## ROBIN S P 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, $11 / 2 \mathrm{oz}$. anti-static cleaner-lubricant, and poly-foam pad. Shpg. wt., 10 oz. 24 F 80648 $\qquad$ Net 7.50 (8) PK.5M PROFESSIONAL PHONO STROBE ANO LIGHT KIT. 4.speed metal strobe disk and neon lamp. Tests phono speed accuracy at $163 / 3,331 / 3,45$, and 78 rpm . 110 V . 50.60 Hz . A.C. Instructions included.

24 F 80358 Shpg. wt., 502 $\qquad$ Net 2.35
(C) PNT. 1 PHONO STYLUS TIMER. Records elapsed time phono is in operation. 400 hour calibrated gauge indicates stylus wear to prevent needtess record damage. Also Indicates time for cleaning and general maintenance of equipment. Has self-stick back to mount to phono deck. 24 F 80770 . Wt. 7 oz. Imported .... Net 5.25

(0) PCO-1 RECORD CUEING CONTROL. For manual turntables. Raise or lower tone-arm without touching it. Floats to desired track of record with pin. point accuracy.
24 F 80820 Shps. Wt., 802. $\qquad$ Net 7.30
(E) PE-10 PROFESSIONAL RECORD SWEEP. Sweeps dust and particles from delicate sound grooves of records. Deposits AntiStatic silicone cleaner and Lubricant. Im proves sound fidelify. Mounts to phono by suction cup. Includes Cleaner and Lubricant. 24 F 80663 Shpg. wt., 5 oz. Net 3.15

## (7) P8.3 aojustable stylus brush for

 ALL U.S. ANO IMPORTEO PHONOS. Spring secured flexible brush adjusts from $3 / 4^{-1}$ to $21 / 4$ - helght. Removes blob accumulation on stylus when tone-arm is cycled. Self-stick base for easy mount to phono deck. 24 F 80549 Shpg. wt., 3 oz. $\qquad$PB.75 CLIP.ON RECORD BRUSH. (Not illus.) Clips to tone-arm. Sweeps dust from records 24 F 80036 Shpg. wt.; 2 oz.

(G) PE-88 "CLEAN-SWEEP". Large soft hair brush cleans entire tracking surface of records up to $12^{\prime \prime}$. Self-stick base mount to any phono deck. Swings out of way when not in use.
24 F 80010 Shpg. wt., 6 or. . Net 4.74 P8. 2 COMBINATION TONE-ARM LIFT ANO RECORO BRUSH. (Not illus.) Clips to tonearm. Sweeps dust and particles from records. Convenlent finger lift prevents record scratches.
24 F 80028 Shpg. wt., 202. $\qquad$ Net 69
(H) PSG-3 STYLUS PRESSURE GAUGE. Accu. rately calibrated gauge and counter balance weight. Measures pressure to $1 / 2$ gram. 24 F 80556 Shpg. wt., 4 0z. Net 1.05
(I) PM-1 stylus microscope. Inspect stylus tip for slgns of wear, chips, elc., to prevent record damage. Precision ground jenses, 50X magnification. Knurled focusing adjustment. Pocket clip. Slot at end of scope holds stylus. Size: $33 / 4 \times 1 / 2^{\prime \prime}$. Im. ported. Shpg. wL., 3 oz.
24 F 80168
Net 1.98


PL- 2 ROUND TURRNTABLE LEVEL. Assures ac curate leveling of turntable for correct tracking. Minimizes stylus and record wear. Self-stick base for mount to phono. (Not iflus.) Shpg. wt., 3 oz.
24 F 30184
Net 1.69
(J) PSO-4 METAL 5' OIA. 4-SPEEO STROAE 01 SC. Checks $16,331 / 3,45$, and 78 rpm 24 F 80424 Shpg. wt., 3 oz. ..... Net 1.14 PC- 2 TWO ANTI-STATIC RECORD CLEANING CLOTHS ANO CLIP-ON RECORO GRUSH.
Shpg. Wt. 40 Oz.
24 F 80440 (Not illus.)
Net 80
(K) PX-8 ANTI-STATIC RECORD-KLEEN SPRAY. Slicon lubricant and cleaner prevents dust accumulation on records. Ellminates static pops and cilcks to improve fidelity. 8 oz. 24 F 80689 Shpg. wt., $1302 \ldots$ Net 1.25

(L) PB-9 DISC.WHISK RECORO CLEANER. Cleans and lubrlcates LP and 45 rpm records on both sides in one operation by rotating record. Deposits Anti-Static Silicon to im prove fidetity. Record handlling disc Included. 24 F 80671 Shpg. wt., 4 oz.

Net 1.25
PRA-50 RECORO SPIOERS. (Not illus.) 50 hl impact plastic, reusable 45 rpm adapters. Easy Insertion in records. Shigg. wt. 402. 24 F 80465

Net .85
PG-20 OISPOSABLE DISC-KLEEN CLOTHS. (Not Illus.) Package of 18 Anti.Static, Sillcone im. pregnated cloths. Cleans and lubricates records.
24 F 80812 Shpg. wt., 4 oz. Net 1.05 (M) PJ. 18 ROUNO BOTTOM PLASTIC RECORO COVERS. Protects 12" records. Pkg. of 18. 24 F 80564 Shgg. wt, 502.

Net .80
$L$

(N) PJ- 25 ALBUM COVERS. 12 heavy weight plastic window clear covers with thumb notch for easy insertion and removal of record albums.
24 F 80705 Shpg. wt. 6 oz. ........ Net 1.05
(0) PRS- 12 POLY-LINED RECORO SLEEVES. Paper protective sleeves for $12^{*}$ records. Has clear poly windows to show labels of records. Seals out dust and grime to preserve records.
24 F 80796 Wt. 8 oz. Pkg. of 12 ...... Net 1.29
(P) PRI-4 REPLACEMENT RECORO JACKETS. Four decorative jackets. Titles, recording artists and other information can be written artists and other information can be written
on backs. Packaged assorted in Popular, on backs. Packaged assorted in Pop 24 F 80788 Shpg. wt., 6 oz .

Net 1.39

(a) PS. 3 AUTOMATIC SHUT.OFF FOR HI-FI/ STEREO SYSTEMS. All solid-state clrcultry for reliability. Let's you falt 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 undt. For all U.S. and import equipment. Rated at 3 amps, 350 watts. Durable metal housing. Can be mounted. Size: $61 / 2^{\prime \prime} \times 212^{\prime \prime} \times 13 / 4^{\prime \prime}$. With 6 ft . line cord. 110 v. 50.60 Hz A.C.
6 ft . line cord. 110 V .50 .60
24 F 80721 Shigg. wt., 2 lbs.


MSW- 125 "AUOIO-CLEAN" SWABBIES". Pack age of 125 soft cotton-tips wound on extra long applicators for safe cleaning and olting of hard to reach parts of equipment. Shpg. wt., 602.
28 F 72117
Net .79
(R) PK-6 "ROB-O.STAT" RECORD CLEANING KIT. Super-soft foam applicator mitt. $11 / 2$ 02. Anti-Static cleaner and lubricant, and poly-foam pad. Shpg. wt., $50 z$.
24 F 80366
Net 1.59
PC. 4 TWO RECORO CLOTHS AND A 45 RPM SPINOLE AOAPTER. (NOt IIlus.) Wt. 3 OZ. 24 F 80523 Net 81

PK-12 PHONO CARE KIT. 2 oz bottles of Phono Drive Oil and Non-Silp for Phono Drives. (Not illus.)
24 F 80515 Shpg. wt. 802.
Net 1.35
PL. 5 ALBUM AMO RECORO INDEX SPOTS. (not illus.) 240 self.stick Spots. 2 sets numbered 1 to 24 in 5 Colors. Index records and their matching albums. Shpg. wL, 2 oz . 24 F 80747


TX. 56 NON-SLIP FOR PHOND ORIVES. StODS slippage of drive wheels, belts. etc. 2 oz . Not Illus. Shpes. wt., 602.
24 F 80804
Net .96
(S) PK-20 COLOR-COOE LOG KIT, Catalog and color-code your record collection. Kit has 120 page color-indexed Log Book, 80 selfstick Identification Labels for LP and 45 rpm records, 240 album and record Index Spots in 2 sets, numbered 1 to 24 , all in 5 colors, and simulated feather Writing Pen. 24 F 80739 Shpg. wt., 1402.

Net 2.90
TURNTABLE COVERS. (not dllus.) Soft, heavygauge durable plastic covers. Fits most changers. Shpg. wt., 8 oz .

| Stoch No. Mir's No. | Size | Net |  |
| :--- | :--- | :--- | :--- |
| 24 F 80275 | PJ. | $13 \times 131 / 2 \times 8^{*}$ | 1.59 |
| 24 F 80838 | PJ. | $22 \times 161 / 2 \times 8^{\prime \prime}$ | 1.89 |
| 24 F 80846 | PJ. 5 | $17 \times 15 \times 183 / 4^{\prime \prime}$ | 1.89 |

# Phono And Hi-Fi Installation Accessories <br> STEREO VU BALANCE METER 

$11^{95}$

- Two Meters in One
- Balances Stereo Systems


Ends the problem of balancing your stereo syitem. Two precisely damped loudness meters provide a continuous comparison of speaker levels. Scales calibrated in "Volume Units" and percent. 1.2 volts Input sensitivity for 0 VU or 100 percent indication. The special calibrating switch and 20 db attenuation controls permit exact matching of channels. Greater than 8,000 ohm impedance permits connecting to output circuits without loading. The entire unit is housed in an attractive plastic case 6 "W $\times 31,4 \times \mathrm{H} \times 2 \% / \mathrm{m}^{\prime \mathrm{D}}$. Imported. 99 F 50387 Shpg. wt., $13 / 4 \mathrm{lbs}$.

## General Purpose Miniature Cooling Fan

- Motor Shunt Varies Both Volume of Air Moved and Noise level
A venturi fan for use with hr-fi. TV, Ham radio and other electranic in. stallations, to ventilate equlpment and glve max-


Imum life and best performance. With shunt delivers 75CFM at low noise level, shunt removal delivers 90CFM with sfight increase in noise level. Front and back grilles. Permanently lubricated. Rated $115 \mathrm{VaC}, 60 \mathrm{~Hz}$. Size: $51 / 2 \times 6 \times 23_{4}^{\prime \prime}$. Complete with grill bracket, mounting hardware and instryction sheet.
24 F 39016 Shpg. wt., $21 / 2 \mathrm{lbs}$.
Net 9.50

- Ideal For Cooling TV



## Construction

Exceptionally low-noise fan for cooling hi-ll equipment. Slow rotating 5 -blade impeller defivers 50 cfm , enough air to exhaus 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. Prelubricated for years of maintenance-free operation. Only $41 \%_{0}^{\prime \prime}$ 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. hardwave, grommets, shock-absorbing spring mounting pad. A.c. Dower cord and clip on olug, template and instruction sheet. Rated 115 VAC. 60 HZ . 24 F 43018 Shpg. wt., $21 / 4$ lbs.

## BALL BEARING HEAVY DUTY SLIDES

Drawer slides made of 16 gauge steel. Supports 50 lbs. Ball bearing. double-extension type, drawer slides. Length $15^{\prime \prime}$. travel length $11^{\prime \prime}$, ex. tended 22". Shpg. wt., $21 / 4$ lbs
 20 F 52017 SHORT TYPE. Same construction as above but $13^{\prime \prime}$. Iong; travels $9^{\prime \prime}$ extends to 18". Shpg. wt., 2 lbs. 20 F 52025 per Dair Net 1.79

LEVEL AND LEVELING SCREWS


- Permits Accurate Turntable Leveling

For stereo and mono Mi-Fi systems. Prevents unnecessary needle and record groove wear. Precision, circular bubble type level indicator for accurate turntable leveling. Circular 4 -way spirit level mounts to top deck of turntable. Four adjustable leveling screws and T nuts. Provides quick, easy adjustment. 24 F 80341 Shpg. wt., 4 02. Net 3.10

FIBERGLASS INSULATION

- 1 Inch Thick


Excellent sound absorbing material. For linIng interiors of speaker cabinets, consoles, phonos, TV's, etc. Damps medium and high frequency reverberation and distortion. Suit able for many other installation purposes. 9 sq . It. $1^{\prime \prime}$ thick with glue and applicator. Shpg. wt., $1 \mathrm{~N} / 2 \mathrm{lbs}$. 20 Fis 15014

Net 1.69 DELUXE BASS REFLEX KIT: Same as above but contains 20 square $\mathrm{ft} .16^{\prime \prime} \times 16^{\circ} \times 1^{\prime \prime}$ thickness fibreglass. Shog. wt., $21 / 2$ lbs. 20 F 15022 ................................ 2.99


## Decorative Grille Cloth



Choice selection of latest patterns and beautiful decorator colors. passage of high frequencies as well as low. Shpg. wt., (36" $\times 36^{\prime \prime}$ ? Made of finest quality vinyl plastic, woven with proper mesh for $11 / 4 \mathrm{lbs}$. $\left(18^{\prime \prime} \times 24^{\prime \prime}\right) 8 \quad 82$

| Description |  | $36 \times 36$ |  | 18×24 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Random silver metallic | For Use with | Fig. Stock Nc. | Net | Stock No. | Net |
| Mahogany background | Ebony. light color | A 20 F 12417 | 2.99 | 20 F 12425 | 1.75 |
| Medium belge background with | Mahogany | 8 20 F 12029 | 3.75 | 20 F 12037 | 2.10 |
| Fine gold mesh | Walnut, fruitwood | C 20 F 12391 | 3.75 | 20 F 12409 | 2.10 |
| Black background with metallic gold scroll | All colors | D 20 F 12128 | 3.75 | 20 F 12201 | 2.10 |
| Black and metallic gold sparkle threads | Ebony, walnut, blond | E 20 F 12136 | 4.39 | 20 F 12219 | 2.50 |
| Blended walnut diamond with random rust threads | All colors | A 20 F 12276 | 4.39 | 20 F 12284 | 2.50 |
| Blended white background with goid metallic threa | Walnut, fruitwood | F 20 F 12433 | 4.39 | 20 F 12441 | 2.50 |
| Black with raised walnut check | Walnut, ebony | D 20 F 12318 | 4.39 | 20 F 12326 | 2.50 |
| Black, white with interwoven silver | Walnut, ebony | G 20 F 12458 | 4.39 | 20 F 12466 | 2.50 |
| Black background with natural cane crisscross DELUXE CANE CLOTHS |  |  |  |  |  |
|  |  |  |  |  |  |
| Black with interwoven wicker cane | Wainut, frustwood, blonde | G 20 F 12169 | 2.99 | 20 F 12243 | 1.75 |
| Rattan cane with wainut and gold threads | Walnut, mahogany ebony | G 20 F 12490 | 3.75 | 20 F 12508 | 2.50 |
| Blended walnut cane on dark brown base | Walnut fruitwood ebony | 20 F 12151 | 3.75 | 20 F 12235 | 2.50 |
|  | inut fruitwood. ebony | C 20 F 12516 | 3.75 | 20 F 12524 | 2.50 |

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, ete.) connections; parallel wire for low impedance (speaker, etc.) connections. Imported. Avg. shpg. wi., 5 dz .


AUDIO ADAPTERS

(P) Phono plug coupler, accepts pnono plug at each end. 32 F 52012 Shpr. Wt., 302.

Net .49
(S) 2-conductor phone jack input to phono plug output. 99 F 62309 ShDg. wt., 3 oz.
(I) Phono jack Input to standard 2-conductor phone plus output 99 F 62168 Shpg. wt., 302.
(U) Phono jack input to a mini-plug ( $1 / \mathrm{s}^{\prime \prime}$ dia. finger) output 99 F 63448 Shpg. wt., 307.

Net .69 (V) 2 -conductor mini-jack ( $1 / \mathrm{a}^{-}$dia. sleeve) input to phono plug output.
99 F 63455 Shpg. wt. 3 oz.................................................. 69
(W) 2-conductor mini-jack (13" dia. sleeve) input to standard 2 -conductor phone plug output.
99 F 63463 Shpg. wt., 3 oz. ................................................ Net . 81
(ג) 2-conductor subminiature jack ( $\xi_{32}{ }^{20}$ dla. sleeve) input to $\mathrm{m} \mid \mathrm{nl}$-plug (1/8" dia. finger) output.
99F 63471 Shpg. wt., 3 02. 79 (V) 2 -conductor standard phone jack input to 2 -conductor subminlature plug ( $\mathrm{K}_{3}{ }^{*}$ " dia. finger) output.
g9 F 63489 Shpg. wt., 3 oz.
Net .79

## D.I.N. ADAPTER CABLES

 FOR EUROPEAN RECORDERS

Adapts European 3 contact $\left(180^{\circ}\right)$ and 5 contact ( $180^{\circ}$ ) DiN connectors to mate with standard domestic RCA type phono jacks and plugs. For use with Ampex, Norelco, Grundlg, Korting, Uher SONY, and other cassette or tape recorders, radios, phonos, ampliflers etc. All phono plugs and jacks are color coded, $69^{\prime \prime}$ shielded cables. Im. ported. Shpg. wt., 6 oz.
(N) 5-pin adapter connects to 4 RCA-type color coded phono plugs 99 F 63539 ............................................................................... 1.99
(0) 5-pin adapter connects to 4 RCA-type color coded phono jacks 99 F 63547 ........................................................................ 29
(P) 5 -pin adapter connects to 2 RCA-type color coded phono plugs 99 F 63554

Net 2.19
(A) 3-pin adapter connects to 2 RCA-type color coded phono plugs 99 F 63562 ........................................................................... 2.10 (R) 3 -pin adapter connects to 2 RCA-type color coded phono jacks 99 F 63570

Net 2.25

## UNIVERSAL CABLE KIT

Shietded audio cables with molded miniature phone plug ( $1 / \mathrm{B}^{\prime \prime}$ diameter finger). For use with Sony. Concord, and most Japanese tape recorders and radios. Cables are $69^{\prime \prime}$ long. Imported. Shpg. wt., 602. 99 F 10365 mini phone plug (L) 69 in . stripped \& tinned ends (J) . 60 99 F 10373 mini phone plug (L) 69 in. alligator clips (I) .99 95 F 10381 mini phone plug (L) 69 in . pln plug (B) 99 F 10399 mini phone plug (L) 69 in . phono jack (D) .99 99 F 10407 mini phone plug (L) 69 in phone plug (C) 99 99 F 10415 mini phone plug (L) 69 in phone jack (C) 99 F 10423 mini phone plug.( L ) 69 in . mini phone plug (L) . 99 99 F 10431 mini phone plug (L) 69 in . mini phone jack (M) . 99


Kit contains: 2 phono plugs with 69" connecting cable; phono piug connected to 2 alligator clips by $4^{\prime \prime}$ cable, coupler with phono jack and phone jack; phone plug output with phono jack input. All connecting cables are shielded and insulated. ideal for connecting tape recorder to phonograph, radio or TV, or tuner to amplifier. Imported. 99 F 01356 Shpg. wt., 602.

Net 1.98

## SWITCHCRAFT RETRACTABLE CABLE ASSEMBLY



A set of four individual 36 -Inch insulated and shielded cables. Color coded for ease of installation and instant identification. Cables are terminated at each end with phono plugs. One each; Red. Grey, Yellow and Green colored cable and phono plugs. Quality construction assures trouble free service. Plugs molded directly to cable for positive "no-slip" contact. Imported. Shpg. wt. . 6 oz .
99 F 01372


Supplled with 4 feet of cable, stripped and tinned at one end. Shpg. wt., $6 \mathbf{o z}$.
With straight 2 -cond. phone plug.
24 F 88526
Net 1.89
With RT. an
With single microphone connector.
24 F 88542

Net 1.89
Net 1.95

## STEREO AUDIO CABLES



Two shielded insulated cables, (of different color tones. for easy identlfication of channels) inside a common chrome grey plastic jacket, providing iwo completely isolated channels. Avg. shpg. wt.. 6 oz . imported.

| Type | Length |  | Net |
| :---: | :---: | :--- | :---: |
| 99 F 01133 | $36^{\circ}$ | Phono pin | 1.30 |
| 99 F 01141 | 6 | plugs at | 1.90 |

$\begin{array}{cccc}99 \text { F } 01141 & 6^{\circ} & \text { plugs at } & 1.90 \\ 99 \text { F } 01158 & 10^{\circ} & \text { all ends. } & 2.50\end{array}$

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


PHONE PLUG (A) TO VARIOUS CONNECTIONS. Std. $1 / 4^{\prime \prime}$ dia. sleeve; completely shielded. All cables shielded expept* unshielded parallel cable. Avg. shpg. wt., 602.

RCA TYPE PHONO PLUG TO VARIOUS CONNECTIUNS All Cables shielded except* unshietded parallel cable. Wt. 602.


| Stock No. | One Termination | Cable Length | Other | Termination | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 24 F 88724 | $90^{\circ}$ Pin plug (E) | 35 in . |  | Pin plug (E) | . 87 |
| 24 F 88752 | $90^{\circ} \mathrm{Pin}$ plug (E) | 48 in. | $90^{\circ}$ | Pin plug (E) | . 99 |
| 24 F 88740 | $90^{\circ}$ Pin plug (E) | 72 in. | $90^{\circ}$ | Pin plug (E) | 1.08 |
| 24 F 88781 | $90^{\circ} \mathrm{Pin}$ plug (E) | 72 in. | Phono | - jack (D) | 1.29 |
| 24 F 88864 | $90^{\circ} \mathrm{Pin}$ plug (E) | 72 in . | Phon | e exten. jack (C) | 1.44 |
| 24 F 88369* | $90^{\circ} \mathrm{Pin}$ plug (E) | 72 in. | Strip | ped, tin ends (1) | . 66 |
| 24 F 88377* | $90^{\circ} \mathrm{Pin}$ plug (E) | 120 in. | Spade | lugs (H) | 1.08 |
| 24 F 88385* | $90^{\circ}$ Pin plug (E) | 120 in . | Alliga | tor cllps (1) | 1.65 |
| 24 F 88807 | Pin plug (B) | 72 in. | Phone | e jack (C) | 1.44 |
| 24 F 88815 | Pin plue (B) | 72 in. | $90^{\circ}$ | Pin plur (E) | 1.08 |
| 24 F 88401 | Pin plug ( $B$ ) | 25 ft . | Mike | Connector (F) | 3.36 |
| 24 F 88419* | Pin plug ( $B$ ) | 72 in. | Spad | e lugs ( H ) | . 72 |
| 24 F 88427* | Pin plug ( $B$ ) | 120 in. | Spad | e lugs ( H ) | 1.08 |
| 24 F 88435* | Pin plug ( $B$ ) | 72 in. | Alliga | ator clips (1) | 1.29 |

## PHONE PLUG (G) TO VARIOUS CONNECTIONS



SWITCHCRAFT ADAPTERS - Shielded plug adapters for mikes \& Hi-Fi cables. Avg. Shpg. wt., 4 oz.
332A--2 cond phone jack input to female mike output. Coupling ring back converts mike conn, to male type.
24 F 88559
33A-Phono jack input to female mike con nector output.
24 F 88567
Net . 99
336A-2 cond. phone jack input to phono plug output.
24 F 88583
Net 1.20
338A-Phono plug at one end with male mike connector at other end
24 F 88591

## COILED CORD AUDIO CABLE CORD AUDIO ASSEMBLIES

345A-2 cond. phone plug output with phono jack input.
24 F $\mathbf{8 8 6 2 5}$........................ 87
349A-Phono plug coupler-with phono jack at each end.
24 F 38641
Net 72
364A-2-Conductor tini-jack Xa" dia. sleeve to 2 -conductor standard $1 / 4^{\prime \prime}$ plus.
24 F 38906 Net 1.05 365-2-Conductor tini-jack \%" dis. sleeve to phone plug output.

## 24 F 8914

Net 1.05
370 - Phono jack input to a 2 -conductor tiniplug (\%i" dla. finger) output.
24 F 88922

374-2.Conductor phone jack input to a 2 conductor tin-plug (\%" dia. finger) output. 24 F 88930
383 - 3 contact remale mike input to a 2 cond. phono jack output.
24 F 88948
Net 2.76 384-3 pin male mike input to a 2 -cond. phone lack output.
24 F 88955
Net 2.46
$386-\mathbf{3}$ contact female mike input to a standard 2 -cond. phone plug output.
24 F 88963
Net 2.70
$387-3$ pin male mike input to a standard 2-cond. phone plug output.
24 F 88971
Net 2.40

## a $n$-an

 - onmuniantram now citin- Extends to 66 Inches, Retracts to 8 Inches.
Stretch cable permits neat interconnections without tangle, drape or droop. Durable, shielded colled cord. Available with RCA type phono plug. alligator clips and stripped and finned terminations. Shpg. wt., 4 oz.
RCA type phono plug at each end
24 F 34025
Net .99
RCA type phono plug at one end, alligator clips color coded red and black at other end. 24 F 34033 ........................................... 99 RCA type phono plug at one end, stripped and tinned leads at other end.
24 F 34017
Prices and Specifications are Subject to Change Without Notice


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 F 00937 Net 79
(M) Phono Jack connected to 2 Phono Plugs. 99 F 09945 ................................. 79
(N) 3 Phono Plugs connected together by $4^{\prime \prime}$ shielded cable. 99 F 0.952

Net .79

## FLEXIBLE Y CONNECTORS AND SHIELDED Y ADAPTERS



Completely shielded Y-Adapters with choice of conriectors and terminations. Imported. AVg. shpg., wt., 3 oz.
(0) Iwo phono jacks connectors in parallel to a standard 2 -conductor phone plug.
99 f 00895 ........................................ 99
(P) Two phono jacks connectors in parallel to a standard phono plug.
99 F 00903
Net 99

## Famous KLH Compact Stereo Hi-Fi Music Systems



## Model 26 Solid State Hi-Fi Phono System

Handsome 3-plece high performance stereophonic phonograph system in attractive wal nut cabinetry. Each separate speaker system incorporates an 8 inch accoustic suspension bass driver and a 2 -inch direct radiator for mid and high frequencies. Control center includes a powerful solld state amplifier with Baxendall-type tone controls and a Garrard 4 -speed automatic record changer with Pickering V15/AT 3 dustamatic stereo diamond needle cartridge. Inputs are provided for an auxllary source as tuner or tape deck as well as lape outputs and a top panel headphone jack. Dim: Cont. Unit, 18x $141 / 8 \times 8 \frac{3 / 8 " ;}{}$ Each Speaker System, 101/4x18x 7 \%s:". For $110-120 \mathrm{~V}, 60 \mathrm{HZ}$ AC. Shpg. Wt. 56 lbs.

## 24 E 44206 WX

Net 269.95

## Model 24 Solid State <br> FM Stereo Music System

35 watt (IHF) system provides supert FM stereo listening plus quality phono sound reproduction. Control center has a sensitive FM stereo tuner with vemler tuning. zero tuning meter and stereo indicator. Garrard 4 -speed automatic turntable uses a Pickering V15 cartridge with diamond stylus. Speakers have $8^{\prime \prime}$ acoustlc suspension woofers and $\boldsymbol{Z}^{\prime \prime}$ wide desperslon tweeters. Other features include tape and headphone outputs, auxiliary inputs and deluxe oiled walnut cabinetry Dim: Control Center, $18 \mathrm{~W} \times 4 \mathrm{H} \times 14^{\prime} \mathrm{D}$.; Speak ers. $18 W \times 101 / 4 \mathrm{Hx} 7 \mathrm{y}_{2}-\mathrm{D}$.
24 F 44099 WX Shpg. wt., 72 IDs. Net 319.95 Model 24 with Alv: Same components as above but with high performance AM circultry. For $110-120 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}$. Shpg. wt., 74 lbs.
24 F 441 Bowx
Nel 349.95

## Model 20 Solid State FM Stereo Music Center

Stylish 50 watt (IHF) music system integrates a FM stereo tuner, preamp., and power amplifier into one convenient control center. Includes Garrard 4 -speed automatic turntable and two walnut finished speaker systems with $10^{\prime \prime}$ acoustic suspension woofers and 13/4" tweeters. Incorporates tape and head. phone outputs, auxiliary inputs, zero tuning meter, and FM stereo indlcator. Dim: Control Center, $181 / 4 W \times 83 / \mathrm{H} \times 14^{\circ} \mathrm{D}$.; Speakers, $113 / 4 \times 231 / \mathrm{sxg} " \mathrm{D}$. For $110-120 \mathrm{~V}$, $60 \mathrm{~Hz} \mathrm{AC'}$ 24 F 44032 WX Shpg. wi., 84 lbs. Net 399.95 KLH Model 20 With AM: Same components as above but with high performance AM circuitry. Shpg. wh., 86 lbs.
24 F 44172 WX
Net 429.95

## Other KLH Music Systems

Model 11 Portable Stereo Phonograph-with Garrard automatic 4 speed record changer, Pickering V15 Stereo diamond needle cartridge. Grey vinyl "Contour-Lite" luggage type case. Power Output: 15 watts IHF; Inputs for Stereo Tuner or Tape Player; 2 wide range Speakers in each enclosure; Separate Bass and Treble Controls. includes 45 rpm spindle and 40 ft . speaker cable. Dim: $24 \times 14 \times 7$ "H. Shpg. wt., 32 $1 / 2 \mathrm{lbs}$.
24 F 44016 Wx No Money Down *
Net 199.95 Model 11-W-Same as Model 11 but components are mounted in oiled walnut furniture styled cabinetry. Dim: $18 \times 14^{1 / 2} \times 4^{M} \mathrm{H}$. Shpg. wt., 40 los.
24 F 44107wx No Money Down*
Net 209.95
ACCESSORIES FOR KLH MUSIC SYSTEM AND RADIO

| Stock Mo. KLH No. Type |  |  | Far | Wt. LDs. | Net En, |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 24 F 44115W | 700 | Dust Cover (Lift Type) | $\begin{aligned} & 20.24,{ }^{26} \\ & 20 \mathrm{AM}_{,}, 24 \mathrm{AM}, 11 W \end{aligned}$ | 9 | 29.95 |
| 24 F $44123 W$ | 701 | Dust Cover fwith Hinces | $20,24,26$, 20AM 24AM, 11W | 5 | 9.95 |
| 24 F 44131w | 702 | Dust Cover (Lift Tyna) | 11, 11fM | 1 | 5.55 |
| 24 F 44164W | 703 | External Speaker | $\begin{aligned} & \text { 11. } 11 \mathrm{~W}, 11 \mathrm{FM}, \\ & 15,19,21 \end{aligned}$ | 8 | 24.95 |
| 24 F 44198 | 706 | Speaker Se. lector Box | All Models Except 21 | $1 / 2$ | 9.00 |

- See Page 11 for Full Credit Details on Easy Pay Plan


# Specialty Phonographs and Record Albums 

## LAFAYETTE 4-Speed Solid State Phonograph With Built-In Color Lights



- Beautiful Color Lights Are Activated When Record Is Playing
- $3 \times 5^{\prime \prime}$ Front Mount Speaker


## $29^{95}$

Become the center of attraction, the hit of the party with your psychedelic phonograph. Beautiful array of color lights are acti. vated when a record is playing. Large, $3 \times 5$ " front mounted speaker provides fine tonal quality. Plays all size monaural and stereo records at $162 / 3,33 \frac{1}{3}, 45$ and 78 RPM. A single lever selects any speed. 2 controls: On-Off/Volume (light intensity) and tone. Bulit-in 45 RPM adapter olsc. Dual turnover cartridge with 2 synthetic sapphire needles. Case colors: bottom sectionpsychedelic blue, white, and orange; top sectlon blue; white portable carrying strap. Size: $121 / 2 \mathrm{Wx} 77 / \mathrm{HNx} 11^{\prime \prime} \mathrm{D}$. Shpg. wt., 10 lbs . 24 F 02915 W Net 29.95

## NEW Panasonic SG-719 Battery/AC 2 Speed AM/FM Portable Radio Phono



> - 2 Speeds- $33^{1 / 3}$ and 45 RPM - Large $4^{\circ}$ Wide Range Speaker - Separate Tone and Volume Control

Enjoy excellent performance from records. Includes ceramic cartridge. Sensitive FM/AM radlo features; roll bar tuning dial, FM telesoping antenna, AM ferrite core antenna. Operates on $6^{\prime \prime}$ " $^{\prime \prime}$ " batterles (incl.) or 117 VAC 60 Hz . Two-Tone black and white. Size: $11 \% / 1$ $\times 31 / 2 \times 103 / 8{ }^{\prime}$. Imported. Shpg. wt. $63 / 4 \mathrm{bs}$.
24 F41194W
_ Net 49.95
99 F 62564 Extra "D" batteries ( 6 req.)
Net ea. . 15

## N.W Panasonic SG-354 2 Speed Phono with Built-In AM Radio

## $29^{95}$

- Instant-On Solid State Circuitry
- Battery Operated
- Two Speed-331/3, 45 RPM

With its futuristic styling and compact design you'll be proud to take the Panasonic SG-354 anywhere. Two speed turntable lets you enjoy your $334 / 3$ and 45 rpm records. Equipped with a custom ceramic cartridge. $31 / 2^{\prime \prime}$ wide range speaker gives you clean, rich sound. Finger-tip controls. Built-In AM radio. Jack for earphane or external speaker. Operates on 6 " $D$ " batteries (incl.). Size: $107 / 8 \times 31 / 6 \times$ $111 / 2^{\prime \prime}$. Shpg. wt., $41 / 2$ lbs.
24 F 41210w Imported.
Net 29.95
99 F 62564 Extra " $D$ " Batterles ( 6 req.)


Lafayette is Headquarters for Phono Equipment \& Accessories
Operates on batteries or household 117VAC to insure complete portability. Features 4 -speed turntable with custom ceramic cartridge and automatic shut-off. Twin $4^{\prime \prime}$ speakers dellver full-range sound. Tone control and dual volume controls. Sensitive FM/AM Radio. Bulit-In Antennas. Size: $173 / 4 \times 6 \times 127 / \mathrm{m}^{\prime}$. Imported.
24 F 41292 w Shpg. wt., 15 lbs.
Net 99.95
99 F 62564 Extra " $D$ " Batteries ( 6 req.)
Net ea.
10 Record LP Stereo Album Set Introduction to Great Composers
 and Their Music

From the Works of:

- Beethoven - Mozart
- Haydn • Schubert
- Tchaikovsky • Bach
- Mendelssohn - Chopin
- Schumann - Brahms


### 9.95

A supert 10 record stereo album relates to the lives and music of 10 of the world's major composers interspersed with 275 selections from their works performed by leading soloists and orchestras. Each of the 10 composers gets a full disc devoted to his works. You will get an Insight Into the greatness of these 10 famous men. The album serves as a valuable learning tool for both youngster and adult alike. Beautifully glft boxed. Shipg. wt., 7 lbs.
28 F 28531

- 05
.15


# LAFAYETTE'S FINEST PORTABLE HI-FI PHONOGRAPHS 

## A DELUXE SOLIO STATE 4-SPEED AUTOMATIC STEREO PHONOGRAPH

## with Detachable Speaker Enclosures



Made in U.S.A.

## only $99^{95}$

No Money
Down*

- Garrard 4-Speed Automatic Intermix Changer with Diamond LP Needle
- 10 Watt Solid State Stereo Amplifier with 8 Transistors, 2 Diodes, and 2 Sllicon Rectifiers
- 4 Speakers: Two $8^{\prime \prime}$ Heavy Duty Woofers-Two $3 y / 2^{\prime \prime}$ Tweeters Provide Dazzling Tone
- Stereo Headphone Jack plus 4 Controls: Loudness, Balance, Bass, Treble

Deluxe, solid state self-contained 4 -speed automatic stereo phonograph in styllsh "Swing. Down" design. Equipped with detachable speaker enclosures with built-in, $6^{\circ}$ extension cords for walt-to-wall fult dimensional sound realism. Each enclosure contains a heavyduty $8^{\prime \prime}$ woofer and a $31 / 2^{\prime \prime}$ (weeter for magnificent hi-fi sound reproduction. Powerful 10 watt solid state stereo amplifier has 12 semiconductor devices; features a stereo head phone jack for private listening plus 4 controls: Loudness, Bałance, Bass, Treble. Quality Garrard 1000 4-speed automatic record changer plays ali record sizes and speeds- $7^{\prime \prime}$. $10^{\prime \prime}$ and $12^{\prime \prime}$ records at $162 / 3,331 / 3,45$ and 78 RPM. Intermixes all size records of the same speed. Changer automatically shuts off after last record has been played and is equipped with a stereo turnover cartridge with diamond LP needle. Decorator designed wood cabinet is covered with simulated walnut and black washable vinyl material. Size: $211 / 4 \times 121 / 2 \times 143 / 4^{11}$. For $110-120$ VAC 60 Hz . Shpg. wt., $331 / 2 \mathrm{lbs}$ 24 F02741 wx

Net 99.95
24 F 02543 Replacement Needle for T33C
Net 2.49
24 F 0217045 RPM Spindle for T 33 C
Net 3.80
Diamond Needle
[B] LIGHTWEIGHT PORTABLE SOLID STATE 4-SPEEO AUTOMATIC STEREO PHONOGRAPH with Detachable Speaker Enclosures


Made in U.S.A. Only 6495
No Money Down*

Diamond Needle

## - Ultra Modern Cabinet Designed with Curved Top and Bottom

- BSR 4-Speed Automatic "Mini" Stereo Record Changer
- Each Detachable Enclosure Contains a Wide Range High Compliance $4^{\prime \prime}$ Air Suspension Speaker
- Built-in Stereo Headphone Jack with Private Listening Switch on Front Panel
- Solid State Stereo Amplifier with 6 Silicon Transistors and 3 Diodes
Take this portable stereo phonograph with you as often as you like, anywhere you like. Handsomely styled, il will give you years of dependable stereo listening. Two detach: able lid-type speaker enclosures each contain a $4^{\prime \prime}$ high-compliance, acoustically matched, wide-range hi-fidelity speaker, and a 6 ft . extension cord enabling you to separate the speakers up to 12 ft for magnificent full dimensional sound. Quality OSR record changer plays all size records at $1623,331 / 3,45$, and 78 RPM. Intermixes $12^{\prime \prime}$ and $10^{\circ}$ records of the same speed. Instant-on solid state stereo amplifter employs 6 silicon transistors plus 3 sificon diodes. 3 Controls: separate volume for each channel plus tone. Built-in stereo headphone jack with private listening switch on front panel. Equipped with stereo turnover cartridge with diamond LP needle. Bold modern styling-curved top and bottom cabinet is covered with simulated walnut and black vinyl materlal. Size: 191/2Wx120x $81 / 4^{\prime \prime H}$. For $110-120$ VAC, 60 Hz . Shpg, wt., 19 lbs.

| F 02923Wx | Net 64.95 |
| :---: | :---: |
| 24 F 0256845 RPM Spindle for 760 | Net 1.49 |

24 F 02386 Replacement Dual Needle for 760

## [4 SLIM LINE 4-SPEED AUTOMATIC STEREO PHONOGRAPH



MODEL MS24C
Made in U.S.A.
Only

- Deluxe BSR 4-Speed Automatic "Mini" Stereo Record Changer
- 4 Transistors and 2 IC's Two $4^{\prime \prime}$ Wide Range Speakers
- Stereo Headphone Jack plus 3 Controts

A truly outstanding performing stereo phono in a sleek cabinet of compact proportions. Designed with a drop-down hide away record changer compartment which folds away for maxImum space saving efficiency. Features BSR 4 -speed stereo automatic "Mini changer," with automatic shut-off. Plays all size records at $162 / 3,331 / 3,45$ and 78 RPM. Intermixes $12^{\prime \prime}$ and $10^{\prime \prime}$ records of the same speed. Two separate $4^{\prime \prime}$ wide range speakers are acoustically balanced and spaced for true stereophonic full-dimensional sound. Powerful solid-state stereo amplifier with 4 transistors and 2 IC's provides instant-on operation-no warm up. 3 controls: volume left, volume right, and tone. Includes stereo headphone jack for private listening. Equipped whth stereo turnover cartridge with diamond LP needle. Attractive, washable bright textured yellow sandalwood covering. For $110-120 \mathrm{VAC}, 60 \mathrm{~Hz}$. Measures $27 / 2 \mathrm{Lx} 10^{3 / 4} \mathrm{H} \times 61 / 2 \mathrm{D}$. Shpg. wt., $161 / 2 \mathrm{lbs}$.


Diamond Needle
No Money
Down*
24 F 03194WX
Net 49.95
24 F 0256845 RPM Spindle for MS24C Net 1.49
24 F 02386 Replacement Dual Needle for MS24C
Net 2.49
[1] LOW COST 4-SPEED MANUAL PHONO

- Instant-On Solid State Circuitry
$14^{95}$
- 4-Speeds: $162 / 3,331 / 3,45,78$ RPM
- Built-In 45 RPM Record Adapter

Made in U.S.A.

Ideal phono for the youngster in your family. Plays up to $12^{\text {m }}$ monaural and stereo records at $162 / 331 / 3,45$ or 78 RPM. A single lever selects any speed. "Feather-light" retractable tone arm is equipped with a single crystal cartridge. Volume control with on-off switch. Buitt-in 45 RPM record adapter. Fine quality $4^{\prime \prime}$ speaker. Attractive blue and white leatherette covered case. For 110-120 Volts, 60 Hz . Size: $12 \mathrm{~W} \times 93 / \mathrm{D} \times 5^{\prime \prime} \mathrm{H}$. Shpg. wt., 6 lbs.
24 F 02725W
Net 14.95

## [1] DELUXE 4.SPEED MANUAL PHONOGRAPH <br> - Speaker Front-Mounted for Full-Tone <br> Sound Dispersion <br> - Front Mounted Controls for Convenience <br> - Built-In 45 RPM Adapter Dísc <br> - Instantaneous ON Solid-State Circuitry

Plays stereo and monaural records of all speeds .... 162/3, 332/3, 45, and 78 RPM ...all sizes $12^{\prime \prime}, 10^{\prime \prime}, 7^{\prime \prime} .4^{\prime \prime}$ wide range speaker is set in front grill for full-tone sound dispersion. 2 front mounted controls onfoff volume-and tone. Tone arm has dual tumover cartridge. Attractive blue washable pyroxin coated fabric with silver metal grill cloth. Size: $131 / 2 W \times 61 / 2 \mathrm{Hx} 101 / \mathrm{m}^{\prime \prime} \mathrm{D}$. For $110-120 \mathrm{VAC}, 60$ Hz. Built-in 45 RPM record adapter.
24 F 02899w Shpg. wi., $71 / 4 \mathrm{lbs}$.
Net 19.95


Slimline
4.Speed Stereo

Phonograph
$4095 \quad 2$ ic's and


## Lafayette LSC-50 Solid State Modular Hi-Fi Phono System featuring Two $360^{\circ}$ Omni-directional Speaker Systems



## $69^{95}$ Needit <br> Made in U.S.A.

With Plastic Dust-Cover

- 10 Watt Stereo Amplifier
- Stereo Headphone Jack for Private Listening

Presenting an imaginative and modernistic design in stereo phonos. Thrill to breathtaking hi-fi sound from our handsome 3 -plece modular hi-fi phono system. Featuring 2 revolutionary, omni-directional speaker systems with $360^{\circ}$ sound dispersion. Sound waves from a wide range high compllance speaker are beamed off a uniquely designed cone deflector dispersing sounds in all directions. Powerful state stereo ampllfier delivers a big 10 -watts I.P.P. of power. Has 3 controls: volume Left, volume Right, Continuous Tone (Bass/ Treble), plus a stereo headphone jack for private Ilstening. BSR 4. speed stereo automatic "Mini-Changer" features automatic shut-ofi after last record has been played. Plays atl size records: $7^{\prime \prime}, 10^{\prime \prime}$ and $12^{\prime \prime}$; and all speeds; $162 / 331 / 3,45$, speed. Tone arm is equipped

## こ HEART OF THE SYSTEM OMNIDIRECTIONAL SOUND <br> Spreads sound throughout the entire room.

 You sit anywhere you want and hear stereo.- BSR 4-Speed Automatic Stereo Record Changer - Automatic Shut-Off
with a stereo turnover cartridge with diamond LP needie. Attractive wood cabinetry is covered with simulated walnut vinyl. Includes plastic dust cover, and speaker hook-up cable. Size: Amplifier/ Changer Control Section- $171 / 2 \mathrm{Lx} 101 / 2 \mathrm{D} \times 7^{\prime \prime} \mathrm{H}$ (with tinted plastic dus? cover). Speaker Systems (each): $9 \mathrm{~W} \times 90 \times 121 / 2^{\prime \prime} \mathrm{H}$. for $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt. 24 lbs. 24 F 03160 Wx

Net 69.95
ACCESSORIES for LSC-50 24 F02568 45 RPM Spindie

Net 1.49
Replacement needie for LSC-50
24 F 02386
Net 2.4 S

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

## $49^{95}$



Includes
Tinted Plastic Dust Cover

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

Record Changer

after last record has been played. Plays all size records-7", $10^{\circ}$. $12^{\prime \prime}$ and all speeds- $162 / 3,334 / 3,45$, and $78^{\prime \prime}$ APM. Intermires $12^{\prime \prime}$ and $10^{\prime \prime}$ records of the same speed. Tone arm is equipped with a stereo turnover cartridge with a diamond LP needle. Includes a tinted plastic dust cover for the control unit. Size: Control. Unit- $101 / 4 W \times 161 / 2 \mathrm{Lx}$ $61 夕^{\prime H} \mathrm{H}$ : Speaker- $73 / 6 \mathrm{Wx} 91 / 2 \mathrm{Lx} 4$ "D. For $110 \mathrm{VAC}, 60 \mathrm{~Hz}$ 24 F 03236 WX Shpg- wt., 18 lbs.

Net 49.95
ACCESSORIES for LSC. 25
24 F 02386 heplacement Needle for LSC-25. Wt., 3 02. Net 2.49
24 F 0256845 RPM Spindle for LSC-25 .......................... Net 1.49

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

 $159^{95}$Including Tinted Plastic Dust Cover

Made in U.S.A.


Rear Parel Inputs and outputs

- Garrard 4-Speed Automatic Record Changer with Cueing
- 40-Watt I.P.P. 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-modem styling. The control center's stereo amplifler 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 addltional pair of speakers for another room. Tunes in regular FM \& AM radio and receives full-dimensloned stereo FM broadcasts. 6 controls for complete flexibility; selector, balance, bass, treble, loudness and tuning. Built In AM/FM antennas. Provision for attaching external FM antenna. Calibrated slide ruie 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 $1624,3345,45$,

- Two 8". 2-Way Wide Range Speaker Systems
- Guitar Microphone Input Jack
- Tape Input and Output Jacks
- Main and Remote Speaker Jacks
and 78 rpm . Operates automatically or manually. Shuts off both changer and amplifier automatically after last record Features tibular tone arm with Vaco IN-4 stereo turnover cartridge with diamond LP needle. Each 2-way $8^{\prime \prime}$ wide*range speaker system provides brilliant concert hali reallsm. You also get a handsome tinted plastic dust cover for the complete control unit, speaker hook-up cable and a 45 pmm spindle. The components are mounted in beautiful wainut vinyl veneer covered wood cablnets. Size: Control unlt $235 / \mathrm{WW} 140 \times 103 / \mathrm{s}^{\prime} \mathrm{H}$ (with dust caver). Speaker Encl.: $15 \% \mathrm{Hx}$ $101 / 3 \mathrm{~W} \times 4 \mathrm{~s}^{-2} \mathrm{D}$. For $110-120 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. Wt., 45 lbs.

24 F 03251 WX
Net 159.95
24 F 02550 Replacement needle for LSC-100B
Net
2.49

## NEW Lafayette LSC-45B Stereo Madular Hi-Fi Phono System

## Handsome Contemporary Styling

- Garrard 4-Speed Automatic Record Changer with Cuelng
- 20-Watt I.P.P. Solid State Stereo Amplifier
- Two 8" Wide Range Speaker Systems
- Input For Tuner or Tape Recorders
- Stereo Headphone Jack

Luxurious 3 piece solid-state stereo hi-fl modular phono system. Two separate acoustically matched, rich sounding 8 " speaker systems can be spaced apart for the utmost stereo effect. Has Aux. input jack so an AM or FM tuner or tape recorder can be played thru the powerful 20-watt I.P.P. solid state amplifier. Full complement of controls: balance, bass, treble, volume, selector, automatic shut-off switch, front panel stereo headphone jack. Garrard 20254 -speed automatic stereo changer with cueing control plays $7^{\prime \prime \prime}, 10^{\prime \prime}$, and $12^{\prime \prime}$ records at $16^{2} /$ $332 / 3,45$, and 78 RPM. Tubular tone arm has a Vacc TN-4 stereo turnover cartridge with diamond LP needle System Includes a beautiful plastic dust cover, 45 RPM spindle, and speaker cable. The components are mounted in a beautiful walnut vinyl veneer covered wood cabinet. Size: control unit. $16 \times 161 / 2 \times 73 / 4{ }^{\prime \prime} \mathrm{H}$; speaker system: $131 / 4 \times 93 / 45^{\prime \prime} \mathrm{D}$ each. Shpg. wt, 40 los.
24 F 03244WX
Net 99.95
Replacement needle for LSC-45B
24 F 02550
Net 2.4 E

# Fahulous LAFAYETTE 8-Track Stereo Phono Systems 

 AM/FM STEREO PHONO and 8-TRACK STEREO TAPE PLAYBACK SYSTEM Plays Stereo Records, Stereo FM, AM/FM Radio
$229^{95}$
With Tinted Plastic Dust Cover and 45 RPM Spindle

- 100 watt I.P.P. Stereo Amplifier
- FM Stereo Indicator Light and Tuning Meter
- Garrard 4-Speed Automatic Record Changer with Cueing

The ultimate in a 3 piece Modular stereo phono system. Start with a handsome Control Center containing a powerful solid state 100 watt, I.P.P. AM/FM stereo Tuner/Amplifier. Add to the Control Center. (1) A famous professional Garrard 4 speed Automatic stereo record changer with anti-skating and cueing devices, (2) a deluxe 8 Track stereo Cartridge Player with an AC hystersis motor. Take the two perfectly balanced full range 3 Speaker Acoustic Suspension systems and plug them into the control center (cable is included). You now have a magnificent performing system that permits you to enjoy the finest in hi-fidelity music listening. Specifications: Garrard changer: 4 speeds - $161 / 3,331 / 3,45,78$ RPM. Intermixes records of the same speed. Tone arm has VACO TN-4 turnover stereo ceramic cartridge with Diamond LP needle. \& Track Stereo Tape

- Stereo Headphone and Remote Speaker Outputs
- Individual IHuminated Track Indicator Lights
- Pushbutton Track Selector

Cartridge Player: Individual Illuminated Track Indicators, Pushbutton Track Selector- 100 watt Solid state I.P.P. AM/FM Stereo Tuner Amplifier: 6 Controls-selector, balance, treble, base, volume, tuning; FM Tuning meter; FM stereo Indicator light, stereo Headphone lack, Main and remote speaker output jacks, Guitar mike input: Tape input jacks; AC Convenience outlet. Each Acoustic Suspension spaaker system contains one $61 / 2$ woofer, and two $31 / 2$ tweeters. Freq. response $50-19,000 \mathrm{hz}$. Beautiful walnut vinyl wood cabinetry. Includes tinted plastic dust cover and 45 RPM Spindle. Size: Control Center: $231 / 2^{\prime W} \times 93 / 4 \mathrm{H} \times 15^{\prime \prime} \mathrm{D}$, Speaker System $147 / \mathrm{s}^{\prime \prime} \mathrm{H} \times 11 \mathrm{~L} / \mathrm{c}^{\prime} \mathrm{W} \times 6 \%{ }^{\circ} \mathrm{D}$. For $110.120 \mathrm{VAC}, 60 \mathrm{~Hz}$. 24 F 03269 wx Shpg. wt., 63 lbs.

Net 229.95 24 F 02550 Replacement needle for LSC8000 ............... 2.49

## Lafayette LSC-888 SOLID-STATE 3 PIECE MODULAR STEREO PHONOGRAPH and 8-TRACK STEREO TAPE SYSTEM



## $149^{95}$

Whth Tinted Plastic Dust Cover and 45 RPM Spindte
Tinted Plastic Dust Cover
Magnificent Low-Line Silhouette Styling

- Garrard 4-Speed Automatic Record Changer with Cueing
- 20 Watt Solid-State Stereo Amplifier
- Stereo Headphone Jack
- Input For Tuner or Tape Recorder
- Individual Illuminated Track Indicator Lights
- Pushbutton Track Selector
- Each Speaker Enclosure Contains An $8^{\prime \prime}$ Woofer and a $4^{\circ}$ Iweeter

Deluxe 3 -piece stereo music system plays both stereo phonograph records and stereo 8 -track tape cartridges. You get superb hi-fi performance and versatllity. The magnificent vinyl walnut and ebony low-line silhouette styling of the control center will blend into any decor. Each brilliant-sounding, 2-way $8^{\prime \prime}$ Speaker System contains a powerful $8^{\prime \prime}$ woofer and a $3 \psi^{\prime \prime}$ " super tweeter housed in a handsome vinyl walnut covered wood enclosure. The professional Garrard Stereo Record Changer with tubular tone arm, cueing, and dlamond stylus plays $12^{\prime \prime}, 10^{\prime \prime}$ and $7^{\prime \prime \prime}$ records at $16^{2 / 3}, 331 / 3$, and 45 and 78 ppm . Operates manually or automatically. The 8-Track Stereo Cartridge

Tape Player features individually tlluminated track Indicators and a pushbutton track selector switeh. The All Transistor 20 Watt Stereo Amplifier has six controls: Treble, Bass. Balance, Volume, On/Off switch, Phono/Auk selector switch as well as Inputs for stereo tuner or tape recorder and a front panel stereo headphone jack. Also includes a tinted plastic dust cover and 45 rpm spindle, Size: Control Center- $231 / 2 \mathrm{~L} \times 4 \mathrm{H} \times 14^{\circ \prime} \mathrm{D}$; each speaker system-15H $\times 10 \mathrm{~W} \times$ $47 / \mathrm{B}^{\prime \prime} \mathrm{D}$. For 110.120 VAC. 60 Hz . Shpg. wt., 50 lbs .
24 F 03228 WX
Net 149.95
24 F 02550 Replacement needle for LSC 888

## Perfection in Performance-Lafayette and Garrard



## NEW Superb Lafayette "LRC-70" Solid State 50 Watt AM/FM Stereo Receiver TurntabléGontrol Center

- Professional Garrard Model $40 B$ Stereo Automatic Turntable
- Pickering V15/AC-3 DustamaticTM Cartridge
- Two Front Panel Stereo Mike Inputs - Can be used as a PA Amplifier
- Main and/or Remote Speaker Outputs

The "low profile" LRC. 70 has been created for the connoisseur who demands magnificent stereo hi-fidelity performance from a compact, gracefully styled control unit. The LRC-70 has been designed for complete ease of installation and use. This has been accomplished byintegrating a superb Lafayette AM/FM Stereo Receiver and a professional Garrard stereo record changer onto one handsome wainut wood base. The LRC. 70 contains a powerful solid state 50 -watt AM/FM Stereo Receiver with 2 FET's, 31 Transistors, 25 Diodes, and 2 Thermistors. Features an illuminated AM/FM signal strength tuning meter, automatic FM Stereo switching, MX Fitter, FM stereo indicator light, and a 4-Gang FM tuning condenser for extra sensitivity. The renowned Garrard $40 B$ stereo turntable features a full viscous damped tone arm and single lever cueing. Plays $7^{\prime \prime}, 10^{\prime \prime}$, and $12^{\prime \prime}$ records at $162 / 3,331 / 3,45$, and 78 rpm . A Deluxe Pickering $V 15 / \mathrm{AC}^{3}$ Dustamatictm stereo cartridge is already installed in the

- Power Output 50 Watts at 4 ohms $\pm 1 \mathrm{db}$
- Tape Input and Output Jacks
- Tape Monitor Pushbutton
- Front Panel Stereo Headphone Jack
- Automatic FM Stereo Switching
tone arm. IRC. 70 controls include: pushbutton loudness, tape monitoring. high filter, and stereo/mono mode selection, concentric volume/balance, bass, treble, and a mode selector. Outputs for use of Maln, Remote, Main and Remote speakers are provided. 2 Front panel stereo Mike Inputs, Tape Inputs. Front and rear panel Tape Outputs. 2 AC convenience outlets, external FM antenna jack. Speclflcations: Amplifier; Response, $20-20,000 \mathrm{~Hz}=1.5 \mathrm{db}$, Qutput, 50 watts at 4 ohms (both channels) $\pm 1 \mathrm{db} .40$ watts HF . Input Sensitivity: Phono Mag. 4 mV , Aux. 250 mV , Mic. 6 mV . FM sensitivitys 2.5 $\mu \mathrm{V}$. 1 HF , Selectivity: Adjacent Channel: 40 db . AM Selectivity; $\pm 20 \mathrm{KC}$ 35db. Size: $17 \times 9 \times 16^{2} / \mathrm{s}^{\prime \prime} \mathrm{D}$. Imported. For $117 \mathrm{VAC} 50 / 60 \mathrm{~Hz}$. 99 F 02347 Wx ShDR wt., 46 lbs.

Net 249.95
Beautifut, Meavy Gauge, Tinted Plexigiass Dust Cover for LRC-70. 24 F 09050 w Shpg. wt., 11 bs.

## SPECIAL OFFERS with LAFAYETTE LRC-70 CONTROL CENTER

## Save $30^{00}$

On the Purchase of 2 Lalayette Criterion 50A Speaker Systems and the Lafayette RK-760 Cassette Stereo Tape Recorder when bought with the LCR-70


LRC-70 plus RM760 Cassette Stereo Recorder and 2 Criterion 50A Bookshelf Speaker Systems. (See page 96 for description of RK 760) Shpg. wt. 108 tbs.
99 F 02412 WXM

## Save $20^{00}$

On the Purchase of 2 Lafayette Criterion 50A Speaker Systems when bought with the LRC-70

LRC-70 plus 2 Criterion 50A Bookshelf Speaker Systerrs. (See page 43 for description of the Criterion 50A). Shog. wt., 100 bs. 99 F 02404 WXM


## Professionally Record Your Own Cassette Stereo Tape Library



## Deluxe Lafayette RK-510 Solid-State Stereo Cassette Recorder



## LAFAYETTE'S Best Selling Radio Cassette Recorders

## Deluxe LAFAYETTE RK-160 Solid-State AC/Battery Portable AM/FM Radio Cassette Tape Recorder

## Sensationally Priced Al <br> $69^{95}$

- Includes Remote Control Mike with Stand, Earphone, Built-in AC Line Cord, Batteries, Blank 60-Minute Cassette, and Integrated Carrying Handle For Ease Of Portability.

Magnificent Lafayette full-feature AM/FM Cassette RadioRecorder is an entertainment center in itself. Easy to use--no tape threading. 8 Plano Key type pushbutton controls. Plays back or records on a cassette tape for up to two hours. Records AM or FM programs directly "Off the Alr") while monitoring through the speaker. Versatile and handsome slmulated plastic walnut grain case with metal trim. Operates on 4 " $D$ " batteries or 117 VAC with bullt-in self-storing AC Line cord. Superb AM/FM radio section features a precision slide-rule tuning dial, bass/treble control. $4^{\prime \prime}$ acoustically matched Hi -Fi speaker provides rich, full-frequency sound reproduction. Telescopic FM antenna and ferrite core AM antennas. External speaker or earphone jack. Speaker on/off Switch, Aux. Input for phono or another recorder for tape duplicating. 8 pushbutton Tape Functions: Elect, Record, Play, Rewind, Fast-forward, Stp, Cassette/Radio, AM/FM radio. Record safety interlock prevents accidental erasures. Also includes self-storage compartment for microphone and accessories. SPECIFICATIONS: Professional AC bias recording system; Power output 1 watt.
 99 F 15471 W RK- 160

Net 69.95
12vDC Car Adapter-Imported. Wt., 2 los
99 F 31528
Net 3.95 99 F 62564 Extra "D" Batteries (4 req.) Net ea. . 15 28 F 01223 Lafayette 60 Minute Tape Cassette Net 1.19


## LAFAYETTE Portable Desk Top Radio Cassette Tape Recorders

## RK-95 AM-FM Radio Cassette Recorder

 $54^{95}$RK-90 AM Radio Cassette Fiecorder
$44^{95}$

- Complete with Remote Control Microphone with Stand, Blank 60 Minute Cassette, Earphor e, Vinyi Accessory Pouch, Shoulder Strap and Battaries

Model RK-95 AM-FM RADIO-CASSETTE RECORDER, Sensaticnal combination of a quality AM.FM RADIO and Cassette recorder lets you record broadcasts directly, or live with a microphane. You can permanently bulld your own tape library o ${ }^{2}$ fine music, world-wide news events as they happen, historic speeches by renowned statesmen, thrilling sports events like the World Series and the Super Bowl. Easy to use-no tape threading push-button controls, record safety Interlock button, AC blaz and erase system, dynamic speaker for outstanding tonal quality, recording level and battery indicator. Can record up to 120 ninutes (both (racks) on one Phillips type Cassette. External speaker output Operates on $4{ }^{\text {" }} \mathrm{C}$ " batteries or 117 VAC 60 Hz vith opticnal adapter (see below). Includes Aux. input and renote control mike Input. Tape speed $17 / \mathrm{ips}$. Radio tunes: FM 88-108 NHz, AM $550-1600 \mathrm{kHz}$. Beautiful black case with chrome and walhut wood trim. Size: $7 \mathrm{~W} \times 94 / 2 \mathrm{D} \times 21 / \mathrm{B}^{\prime \prime} \mathrm{H}$. Imported
27 F 01126 L Shpg. Wte, $53 / 4$ los. Net 54.95 Model RK-90 AM RADIO CASSETTE RECORDER-Same deluxe features and size as the RK-95 except with AM radio instead of AM/FM radio. Imported. Wt., $53 / 4 \mathrm{lbs}$. 27 F 01100 L

Net 4<. 95
ACCESSORIES FOR RK-90 AND RK. 95
27 F 01118 L AC Adapter. Shpg. wt., $1 / 2 \mathrm{tb}$.
99 F 15810 Latayette Foot Switch. Wt. 6 oz 28 F 01223 Lafayette 60 MInute Tape Cassette

Net 3.95 Net 1.95 99F62572 Extra "C" Batteries (4-required)

Net .14


## LAFAYETTE'S Best Selling Cassette Recorders

## LAFAYETTE Professional RK-85 Solid State Battery/Electric Portable Cassette Transcorder ${ }^{\text {® }}$



## Deluxe LAFAYETTE RK-100 Battery/Electric Cassette Recorder



## Our Finest Solid-State Portable Monaural Cassette Recorder

 $54^{95}$With Remote Control Mike, AC Line Cord. Carrying Strap, and 60 Minute Cassette

- Semi Slot Loading
- ALC Circuit with On/Off Switch
- Six Pushbutton Controls

VU Meter/Battery Level Indicator - AC Bias and Erase System

Deluxe portable cassette system provides complete ease of operation with high quality record and playback performance. There is no tape to handle, no reels to thread, no fumbling. Instant on solidstate circultry is powered by 6 "C" batteries (not included) or standard 117VAC with built-in AC power supply, so you can enjoy the RK100 away from home-indoors, outdoors-anywhere. Six pushbuttons completely and conveniently control operations for Record, Play, Stop, Fast-iorward, Rewind and cassette Eject. Record. ing and battery level indicator shows correct recording level for music recording, plus condition of batteries, or you can use the ALC (automatic record level control) for perfect voice recordings everytime. Big $31 / 2^{\prime \prime}$ speaker delivers clear, room-filling sound, Continuous tone control. Has inputs for recording live with remote control mike, off-the-air, from records, or from reel-to-peel tapes, Output for playback thru an extemal speaker is provided. High impact plastic case with brushed aluminum front panel and chrome trim. Comes with remote mike and built-in AC line cord in selfstoring compartment. Also includes carry strap for portable use. Size: $111 / 2 \times 7 \times 31 /{ }^{\circ \prime \prime}$, Imported. Shpg. wt., $63 / 4 \mathrm{lbs}$.
99 F 15649
Net 54.95
99 F 62572 " C " Batteries ( 6 required)
Net ea. . 14
99 F 15810 Foot Switch for Remote Playback. Wt., 4 oz. . Net 3.95 99 F 1540660 Minute Lafayette Cassette Tape 6 oz. Net 1.35

## Popular Priced LAFAYETTE Cassette Tape Recorders \& Players

Complete Lafayetie rk-75 Solid State Portable Pushbutton Cassette Recorder Package

## Accessories Included:



Remote Control Mike and Stand

Texon Carrying Case

Earphone


- No Tape Threading
- Automatic Record Level Control
- Ideal for Use in the Office for Dictation
- Ideal for Classroom Work for the Student

Compact, quality portable cassette recorder is just perfect for instant recording in the classroom, office, nome, car or outdoors. Comes complete with all accessories. Built-in Automatic tevel Control circuit assures perfect voice recording level regardless of volume control position. Remarkably easy to use- there are no reels to thread-just snap in a cassette for quick recordings of up to 2 hours. Plays back both monaural and stereo music cassettes. Piano key pushbuttons for easy selection of Play, Record. Fast forward, Rewind, and Stop. Jacks are provided for mike, Remote Control, Aux. input, Earphone Monitor and AC Adapter. Operates on $4{ }^{\circ} \mathrm{C}$ " ${ }^{\prime}$ batteries or 117 AC with optional AC adapter (see below). size: $81 / 4 \mathrm{D} \times 51 / 4 \mathrm{~W} \times 33 / 6^{\mathrm{IH}}$. Handsome charcoal grey cabinet with metal grills. Imported. 99 F 99715 M Shpg. wt., 5 lbs.

Net 29.95
99 F 35685 AC Adapter for RK-75. Shpg. wt., 6 oz.
$19^{95}$
with remote control mike. and integrated carrying Handle

- Record Safety Interlock Button
- Single Tape Function Control:

Record Stop, Play, Fast Forward

So easy to use! Just snap in a casserte ano you are ready to record or play. No tape to thread. Operates on $4^{~ " ~} \mathrm{C}$ " batteries (not Included) or 117 VAC house current with optional AC adapter. Instanton solid state circultry. Includes dynamic start-stop mirrophone for remote control operation. Big 24/4" speaker for excellent sound re. production. Input jack for earphone or extension speaker. Built-in Integrated carrying handle, size $91 \times 53 / 3 \mathrm{~W} \times 2 \frac{1}{2}{ }^{\prime \prime} \mathrm{H}$. Shpg, wt., 4 lbs. Imported.
99 F 15828 L .................................................. 19.95
99 F 35115 AC Adapter for RK-65. Shpg. wt., 6 oz. ........... Net 3.95 99 F 01223 Lafayette 60 minute Tape Cassétte 99 F 62572 " $C$ " Batteries, 4 Required

## LAFAYETTE "Cassette Mate" Portable Solit State Tape Player



A great new way to fisten to the vast selection of pre-recorded cassette tapes on the market today. The Lafayette "Cassette-Mate" gives you remarkabiy full Range sound and unlimited convenience. Battery operated or can be played on 110 VAC house cursent with optional adapter. Integrated carrying. handle for ease of portabllity. Earphone for private listening. Instant on solid-state circuitry. Easy to use "Stop/Play Switch." Earphone/external speaker jack, Volume Control. With batteries and earphone. size: $91 / 2 \mathrm{H} \times 5 \% / \mathrm{w} \times 21 / 2^{\prime \prime} \mathrm{D}$. imported. Shpg. wt., 4 tbs.
99 F 15786
Net 14.95
99 F 35685 AC Adapter For Cassette-Mate
Net 3.95 99 F 62572 Extra "C" batteries $\downarrow 4$ req.) LAFAYETTE AM/Cassette Tape Player. Same as above but with

27 f 01134 Shpg. wt., 5 lbs.
Net 29:95
27 F 01142 L AC Adapter. 6 Or.

# Portable Solid-State Cassette Tape Recorders <br> NEW Norelco 1320 Portable Cassette Tape Recorder 



With Remote Control Milke and 30 minute Cassette

Dual Motor.Tape Transport System

Pushbutton controls for Record, Play/On-Dff, Fast Forward, Rewind, Stop/Cassette Eject. Dual Motor System-first motor drives capstan for accurate speed, second separate motor insures extra fast for ward and rewind speeds. Features Automatic record level and automatic monitoring tor perfect volume during recording. Operates on 4 "C" batteries (not inciuded), or 117 VAC with optional AC adapter. Large $21 / 2^{\prime \prime} \times 4^{" \prime}$ speaker for rich sound. Inputs: Mike; AUX. (radio, phone, etc.); AC adapter. External output for Speaker/Earphone. Retractable handle. Size: $91 / 4^{\prime \prime} \times 73 / 4^{\prime \prime} \times 3^{*}$. Imported. Wt., 5 tbs. 27 F 48341 L No Money Down* Net 39.95
27 F 48358 BE70 AC adapter. Wt., 1 lb. .......................... 9.95
99 F 62572 "C" batteries- 4 req. Wt., 2 oz. ............Net ea.

## Famous Norelco 150 Portable Cassette Recorder

Extremely lightweight-carry it everywhere! Records voice and music, on 2 tracks at $17 / 8$ ips with perfect fidelity. Fully transistorized for Instant playback. Easy to use. No tape threading. Single master control starts, stops, winds and rewinds tape. Microphone has remote switch for start-stop. Uses 5 " C " size flashtight ceils. Has recording level battery life meter. Complete with milie, patch cord, vinyl carrying case. 1 -tape cartridge and separate microphone pouch. Size $71 / 2 \times 41 / 2 \times 21 / 4^{4}$. Imported. Shpg. wt., 4 lbs .
27 F 48044 L No Money Down*
Net 49.95
ACCESSORIES FOR MODEL 150
Universał Car-Mount For Carry-Corder. Enables self-contained carrycorder to be played thru car radio. You can easily remove Carry. Corder and take it with you. $111 / 2 \mathrm{~L} \times 3 \mathrm{D} \times 51 / 2^{\prime \prime} \mathrm{W}$. Imported.
27 F 48150 Shpg, wt., 3 lbs. ............... Net 29.95
99 F 62572 " C " Type Battery, 5 required _............ Net ea. . 14 27 F 48085117 VAC Adapter, Wt., 6 oz. Net 9.95 27 F 48267 Rechargeable-Nicad Battery Pack. Wt., 1 lb. . Net 24.95 27 F 48127 Model FP86 Foot Pedal. Wt., 602.

Net 11.95 27 F 48143 Model TP86 Telephone Pickup Coll. Wt., 2 oz.. Net 7.95
Panasonic RQ208S "Pana-Ject" Cassette Recorder NEW $\mathbf{\text { LOW }} \mathbf{6 9 5}$

With Remote Control Microptione and stand, 30 Minute Cassette Radio Cord, and 6 " 0 " Batteries

## PRICE

- Automatic Slide-In-Pop-up Cassette System

Perfect recorder for home travel and automoblie tistening pleasure! Operates on $117 \mathrm{VAC} .6^{\text {" }} \mathrm{D}$ " batterles, or 12 VDC with optional car mounting bracket. Has push-button fast-forward and rewind, 3 -digit tape counter, continuous tone control, "Easy.Matic" recording tevel control and easy-see VU meter. Sound monitoring serves as a pubilic address system, Has AC blas and Erase. Tape Speed: 17/ lps. Size: $11 / 10 \times 81 / 8 \times 334^{\prime \prime}$. Imported. Shig. wt., 8 lbs .
27 F 12248 L No Money Down Net 69.95
27 F 12230 RP- 910 Car Mntg. Bracket. Wt. 2 Ibs. Net 24.95
99 F 62564 Extra "D" batteries ( 6 -required) $\qquad$
28 F 01223 Lafayette 60 minute tape cassette
Net ea. . 15
Ampex Micro-14 AC/DC Cassette Recorder


# Portable Mini Solid State Cassette Tape Recorders 

## Sharp "IC" Solid-State Mini Cassette Recorder

- Only $1^{14} \cdot \mathrm{H} \times 6^{7 / 8 W} \times 4^{\prime \prime} \mathrm{D}$.
- Battery or AC Operated
- Automatic Record Level Control $69^{95}$
- Cassette Eject Button, Battery/VU Level Meter Miniature cassette tape recorder with advanced solid-state integrated circuitry. Weighs only $17 / 8 \mathrm{lbs}$. and measures only $1^{12}, 1, \mathrm{H}$ $\times 67 / 0 \mathrm{~W} \times 4 \times \mathrm{D}$. Uses standard type cassette tapes. There is no tape threading. Operates on 3-manganese alkaline rechargeable" $A A^{\prime \prime}$ batteries (included) or 117VAC by use of AC adapter-recharger (included). Pencil-type mike (included) has remote control switch. Simple lever control for record and play. Pushbutton controls for fast-forward, rewiad and cassette eject. Safety record button prevents accidental erasures. Capstan drive for $17 / 8$ Ips constant speed. Earphone and jack for personal listening pleasure. UL listed. Imported, Shpg, wt., 3 lbs.
27 F 22007 L No Money Down* $\qquad$ Net 69.95
28 F 01223 Lafayette 60 -minute Tape Cassette. 202 Net 1.19



## New Norelco 1440 Executive Mini Cassette Recorder

## - With Remote Control Mike and 60 Minute Cassette <br> - Keyboard Pushbutton Operation <br> 

Handsomely styled miniature cassette recorder with solid state integrated clrcuitry for outstanding performance and reliability. Pushbutton controls for record, play, fast forward/rewind, stop, and cassette eject. Automatic Record Level for perfect recordings. Safety system prevents accidental erasure of pre-recorded cas. settes. Operates on 4 "AA" batteries (not included) or 117 VAC with optional AC Adapter. Capstan drive for constant 1/6 I.P.S. speed. Transistor regulated motor. External speaker/earphone jack. in cludes Handy carrying strap, 60 minute cassette, and remote control mike. Imported. Shpg. wt., 3 lbs.
27 F 46365 L No Money Down*.
Net 89.95
27 F 4835 B BE70 AC Adapter-wt. 1 ID
Net 9.95
${ }_{99} \mathrm{~F} 62580$ "AA" Batteries-(4 req.)
Net ea. 10


## NEW Solid State Radio/Cassette Tape Recorders

## Norelco 1570 Battery/AC FM/AM Radio Cassette Tape Recorder

# - Direct Recording With Remote From AM/FM Radio <br> - Dual Motor Tape Transport System <br> $79^{95}$Bontral Mike 30 minute Cassette Tape and AC Line Cord 

 Makes instant cassette recordings from its own FM/AM Radio. Pushbutton cassette operation, Cassette eject button. Automatic record level and automatic monitoring for perfect volume during recording. Plays back-through large $4^{\prime \prime} \times 21 / 2{ }^{\prime \prime}$ internal speakers or thru an external speaker. 2 Motors: one for capstan drive, second for fast forward and rewind. Tape/Radio Switch. Separate Tone, volume, tuning controls. Telescopic FM antenna. Operates on $117 V A C$ with $A C$ line cord included, or on 4 "C" batterles (not 27 F 48374 L No Moner Down* 99 F 62572 "C" batteries, 4 req.


## Ampex Micro 34 Battery/AC

 AM/FM Radio Cassette Recorder- Direct Recording from AM/FM Radio
- Built-in Ni.Cad Battery Charger

A quality cassette tape player/recorder integrated with a powerful solid state FM/AM radio in one compact case. You can ilsten to the radio at the same time you record from il ... record "live" with the remote control mike supplied... or listen to all prerecorded cassette tapes anywhere. Operates on house current or batteries (not included). Exclusive Ampex "Auto Charge Circuit" recharges Ni-Cad batteries while you play the unit on house current. Adjustable monitor level control during recording. 4" round speaker. Pushbutton cassette function contol. Automatic Record speaker. Pushbutton cassette function contol. Automatic Record external speaker/earphone. Dimensions $12^{\prime \prime} \times 3^{-} \times 7 x_{4}{ }^{*}$. Imported 27 F 25596 L No Money Down* Shpg. wt., 7 lbs. 99.95 99 F 62572 "C" Batteries_4 req. wt. 2 oz._.........Net ea. . 14 Rechargeable NI-Cad "C" Type Batteries (4-req). 32 F 48887

Net ea. 3.90


# Deluxe Solid State Stereo Tape Cassette Tape Decks 

## NFW Sony Superscope TC 127 Cassette Tape Deck



## $139{ }^{95}$

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

Record and playbach 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 circult. Includes 9 pushbutton controls: eject fast forward, stop, play, rewind, record, and pause for editing. 2 VJ record level meters, stereo headphone jack, variable line output. Specifications: Freq. Response: $30-12,000 \mathrm{~Hz}, \mathrm{~S} / \mathrm{N}$ Ratlo: 49 db . inputs: 2 mike, 2 Aux. Outputs 2 line, 1 headphone, mike input impedance 600 ohms. Size: $153 / 4 \times 37 / 8 \times 85 /{ }^{\prime \prime}$. Less microphone. For 117 VAC 60 Hz . Imported. Shpg. wt., 16 lbs.
27 F 60544W No Money Down*
Net 139.95

NFW Fisher RC-80 Dolby System Stereo Cassette Tape Deck

# $199^{95}$ 

- Dolby System For Improved and Enhanced Signal to Noise Ratio - Automatic Shut Off
- 2 Record VU Level Meters

With 2 Mikes and
60 minute Cassette Tape - Specially Selected Narrow Gap Heads
Professional quality Dolby System Stereo Record/Playback Cassette Tape Deck. Pushbutton controls: Play/Record, Pause, Fast Forward, Fast Rewind, Stop/Eject and Record Interlock. Separate Illuminated VU meters for left and right channels. 3 digit Illuminated tape counter whth pushbutton reset. Dual sliding Recording level controls. includes 2 matched dynamic microphones, 60 minute casselte, and interconnecting cabies. Specifications: Freq. Response: $30-12,000 \mathrm{~Hz}_{\text {; }}$ Signal to Noise Ratlo: 50 db , Mike Impedance: 60 ohms. Size: $71 / 8^{\circ} W \times 31 / 2 " H \times 111 / \mathrm{B}^{\prime \prime} \mathrm{D}$. Comes premounted in a leather grained molded plastic cabinet. Imported. Shpg. wt., 7 lbs. 27 F 33004 w No Money Down*

Net 199,95

NEW Sony/Superscope 165 Automatic Reversing Stereo Cassette Deck


## ${ }^{29^{5}}$

- 2 Record VU-Level Meters
- Sony-Matic Automatic Gain Control with Manual Record Defeat - Pause and Eject Buttons

Deluxe performing record/playback stereo cassette deck with Automatic Reversing. Professional features: Sony Matic Automatic gain control with manual record defeat complete with Ilmiter action. Pushbutton function controls Including eject and pause, front panel left and right channel microphone input jacks, stereo headphone input jack, 2 illuminated WU record level meters, 3 digit tape counter with resef button, and left and right channel volume slide controls. Speciflcations: Freq. Response: $30 \cdot 16,000 \mathrm{khz} @ 17 / 8 ;$ Wow and Flutter: $0.1 \%, \mathrm{~S} / \mathrm{N}$ Ratio: 49 db; Mike impedance: 600 ohms; Inputs -2 mike, 2 Aux., Outputs -2 ilne, 1 headphone. Size: $153 / 4^{4} \times 5^{\prime \prime} \times 10^{7} / 9^{*}$. Imported. Shpg. wt., 25 lbs .
27 F 60536 WX No Money Down *
Net 229.95

## Norelco Solid State Automatic Cassette Stereo Changer Decks




2401 Complete Record Changer System $26^{98}$

Model 2502 Automatic Stereo Cassette Changer Playback-Dech Enjoy up to 6 hours of non-stop play of pre-recorded Cassette Tapes. Stacks up to 6 pre-recorded tapes. Plugs Into stereo or mono systems. Features Solid state instant play, push-button controls for 'Forward, Rewind, Pause, Stop, Start/Reject, On-01f. Automatic stop after last cassette. Beautiful rich walnut wood base. Size: 151/2"Lx9y/4"Wx43/4"H. Imported. For 110.120 VAC 60 Hz . 27 F 48283WX No Money Down* Shpg wt., $15 \frac{1}{2}$ lbs. Net 129.95 Model 2401A Automatic Stereo Cassette Changer/Recorder DeckSame as above but with record faclilties. Imported. 27 F 48302 WX Shpg. wt., 17 lbs. No Money Down*

Net 219.95 Model 2401 Automatic Stereo Cassette Changer/Recorder SystemSame as 2401A but with built-In Power amplifiers, 2 matching Speaker Systems and Stereo Mike. Shpg, wt., 45 lbs. 27 F 4月291WUX No Money Down*

Net 289.95

# Portable Solid State Stereo Cassette Tape Recorders 

(6) HITACHI Portable Battery/Electric 4-Track Stereo Cassette Recorder
 117 VAC House Current
and earphone
Compact. Hghtweight traveling companion. for the music lover. Easy to-carry cassette stereo tape recorder. Plays anywhere, anyplace. Operates on 117V., 60 Hz . AC. house current, or on standard "D" type flashlight batteries. Two swing out extension cabinets each contain a $5^{\prime \prime}$ speaker. Provides excellent stereo sound reproduction and full dimensional stereo separation. Features "Levelmatic" (automatic record level control). Also has pushbutton control; level and tone controls for each channel; two record level VU meters and remote control jack. Frequency Response: 100 to $10,000 \mathrm{~Hz}$. Speed: 170 ips. Circuitry: 16 transistors, 10 diodes. 4 thermistors. Size: $11 \times 61 / 4 \times 83 / /^{\prime \prime}$. Imported. Shpg. wt., 14 lbs.
27 F 23013w No Money Down*
Net 99.95
Extra "D" Batteries for above ( 6 req.) 99 F 52564

Panasonic RF7490 FM/AM/FM Stereo Portable Radio Cassette Recorder


## Deluxe AM/FM Stereo Cassette Tape Recorder Systems

## Panasonic RS-280S Stereo Cassette Tape Recorder with AM/FM Stereo Radio

In Handsome
Walnut Wood Cabinetry
complete protessional cassette sound sys. tem! Features a high-quality 4 -track stereo cassette recorder, built-in AM.FM/FM stereo tuner and two separate full-range $6^{\prime \prime}$ dynamic speaker systems. Offers classic simplicity with slide-In cassefte operation, precision capstan drive, direct recording from auxiliary source, sound monitoring, stereo headphone jack, dual VU meters, digital tape counter, plus fast-forward/rewind controls. Tuner has FET circultry and AFC for clear, drift-free reception. "Stereo Eye" Indicates when FM stereo signal is recelved. Delivers 20 watts music power. Includes a "Black-Out" Illumbnated slide-rule dial. For $117 V^{2} C_{0}, 60 \mathrm{Mz}$ Main Unit-19y $1111 / 2 \times 51 / 2^{\prime \prime} \mathrm{D}_{\text {; }}$ Speatters11 /2x10×51/2"D. Imported.
27 F 12255 wx Shpg. wt.' 20 lbs. Net 199.95


## Deluxe Ampex 87R Modular AM/FM/FM Stereo Cassette Recorder System

Beautiful walnut wood and smoked plexiglass cabinet houses a stereo cassette tape player/recorder, FM Stereo/FM/AM tuner, and stereo control center with 50 watts of peak music power. Positouch cassette function controls and velvet-touch sliding volume, bass, and treble controls give you professional operating control with maxio mum ease of use. Each matching walnut grained speaker system contains a $6^{\circ \prime}$ x $9^{\prime \prime}$ dual cone speaker. The 87 R features switchable automatic record level control, 2VU Illuminated record meters, inputs for magnetic phono and a 3 digit tape counter. Size: Recorder Unit: $161 /{ }^{-2} \times 101 / 2^{\prime \prime} \times 5 \frac{1 / 4 " ;}{}$ Speakers- $141 / 2^{\prime \prime} \times 9^{\prime \prime} \times 71 / 4^{\prime \prime}$. Imported. Shpg, wt. 44 ibs.
27 F 255six WUX
Net 269.95 Model 87-Same Speclfications and fea. tures as Model 87R but less FM/AM Radio. Imported, Shpg. wt., 42 los. 27 F 25570 WUX

Net 199.95


# SPECTACULAR SALE - SAME 70,00 LAFAYETTE PROFESSIONAL MODEL RK-960 "COMPUTOR-MATIC" SOLID STATE STEREO TAPE RECORDER 



FEATURING Automatic Reversing in both Record and Playback Modes

## NOW $229^{95}$

With 7" Take-up Reel and 2 Rubber Reel Caps
Was 299.95
1970 Catalog 703


- Dual Capstan Drive with Dual Drive Motors
- Sound on Sound, Sound with Sound, and Sound Monitoring
- Bi-Directional Recordińg and Playback
- 4-Track Stereophonic or Monaural Record/Playback
- Solid State Amplifier Circuitry - 12 Watts Music Power
- 4-Heads
- 3-Digit Tape Counter with Reset Button
- 3-Speeds $17 / 1,33 / 4,71 / 2$ ips

2 Large Illuminated VU Meters

- Two Sensory Switches for Automatic Tape Reversing System

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


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

Our most versatile precision engineered stereophonic lape recorder The Model 960 features "Full Automatic Reversing." Makes professional quality recordings from AM, FM, FM Stereo broadcasts, phonograph (direct from magnetic or ceramic phono cartridge). With microphones you can record "Iive" any program material you desire. Records and plays 4-track stereo or mono at $71 / 2,31 / 4$ and $17 / 8$ ips. Two self-contained $5 \times 7^{\prime \prime}$ widerange hl .fl speakers provide optimum stereo separation. Two 4 -pole induction capstan drive motors assure ultra-smooth, quiet drive. Feather-touch, pushbutton operated solenoids control all tape motion modes.

Also has Instant reset digltal tape counter 2-studio type VU meters; stereo headphone jack; 6-inputs: 2-microphone/Magnetic P.U., 2-auxiliary, microphone and Auxiliary/Mag. netic Pickup. Selector button. 4-outputs: 2 . extension speaker; 2-external outputs. Housed in a handsome black leatherette covered wood cablnet with silver metal trim. $22 x$ $151 / 2 \times 81 / 4$ "D. Imported. Shpg. wt., 55 lbs 99 F 15489 WX No Money Down* Net 229.95 Optional Dynamic Mike. Shpg. wt. 1 lb. 99 F 45882 … ............................ ea. 14.95 $7^{\prime \prime}$ reet of 1800 ft . Mylar Recording Tape with reversing sensing folls. 28 F 01181 Shpg. wt., 13 oz. ..... Net $2 . a 9$

## SPECIFICATIONS

Solid-State Circuitry: 22 transistors, 32 diodes. Record/Play Frequency Response: 30$22,000 \mathrm{~Hz}+3 \mathrm{db}$ at $71 / 2 \mathrm{ips}: 40 \cdot 16,000 \mathrm{hz} \pm 3 \mathrm{db}$ at $34 / \mathrm{ios}$. Wow and Flutter: Less than $0.25 \%$ rms at $33 / 4$ ips. $\mathrm{S} / \mathrm{N}$ Ratio: 500 b or better. Bias/Erase Freq.: 96 kHz . Equalization: $71 / 2 \mathrm{lps}$, NAB; $33 / 4 \mathrm{ips}$, RlAA. Input Imped.: Mic. 10 K ohms; Mag. 45 K ohms; Aux. 500 K ohms, Output Imped.: Ext. spkr., 8 -ohms; Headphones, 8 -chms. Headsis Two $1 / 4$-track lamination type stereo record/playbach; two $1 / 4$-track double-gapped high efficiency erase heads. for $110-120 \mathrm{~V}$., 60 Hz , AC

# Solid State Monaural Reel-To-Reel Tape Recorders LAFAYETTE RK-710A Professional 3-Speed 7" Tape Recorder 

$69^{95}$
With Dyriamic Mike, 7 Empty Reel. 2 Rubber Reel Caps

- 3 Speeds- $71 / 2,33 / 4,17 / 8$ ips
- 2 Track Monaural Record/Playback
- Vertical or Horizontal Operation
- Record Safety Button
- Single Tape Function Control: Rewind, Stop, Run, Pause for Editing, Fast Fonward


## - Tape Spill Proof

Superb, self-contained, professionally styled, three speed, two-track monaural 7" tape recorder. Space age solld state circultry permits you to start recording the instant you turn the RK-710A on. Rec ords and plays back two-track monaural at three speeds: $71 / 2,33 / 4$, and $17 / \mathrm{ips}$. Easy to operate-offers the convenience of a single tape function control knob for five modes of operation: Rewind, Stop, Run, Pause for editing and cueing, and Fast Forward. Records directly from FM tuner, phono, IW, plus "live" using the dynamic mike. Illuminated VU meter for proper record/playback level. Record salety button guards against accidental tape erasure. Individual volume and tone controls. 4-pole induction motor. SPECIFICATIONS - Response: $60-12,000 \mathrm{~Hz}$. at $71 / 2$ ips., $60-8,000$ Hz at $33 / 4 \mathrm{ips}$. Wow and Flutter: less than $0.25 \%$ RMS at $74 / 2$ ips. Signal-To-Noise Ratio. Better than 42 do . Bias and Erase Frequency: 60 kHz . Large $3 \times 5^{\prime \prime}$ Speaker. Power output: 1.5 watts maximum. 2 inputs: Microphone and Auxiliary, 1 output: Externat Speaker. Size: $115 / 8 \times 121 / 4 \times 6 h^{\prime} \mathrm{D}$. Comes with low impedance dynamic microphone, $7^{\prime \prime}$ empty reet, and two rubber reel caps. Solid vinyl cablnet has bullt-in accessory compartment and carrying handle. For 117 VAC 60 Hz . Imported. 99 F 15646 Wx Shpg. wt., 18 lbs. $7^{*}$ Reel of $1800^{\circ}$ Lafayette Mylar Recording Tape. 28 F 01065 Shpg. wt., $11 / 4$ lbs.

Trutest ${ }^{*} 150$ Battery Operated Solid State Recorder


$14^{95}$With Remote Control Mike, 3" Reel of Recording Tape, Take Up Reel, Earphone, Carrying Strap, \& Batteries

Compact, dual track, recorder operates from batteries or 117 VAC with optional adapter. Dynamic microphone has its own remote control on/off switch for taping "letters" Jam-proof piano style pushbuttons simplify operation. Convenient earphone for monitoring recordings, or, for private listening. uses 2-1.5V., and i-9v battery. Reel size: $31 / 4 "$. Size: $83 / 4 \times 31 / 4 \times 61 / 2^{\prime \prime}$. Imported. Shpg. wt., $33 / 4 \mathrm{lbs}$. (with batteries).
99 F 15562 L
Net 14.95
ACCESSORIES FOR TRUTEST 150
99 F 35370117 V AC Adapter 6 oz .3 .95 28 F $010903^{\prime \prime}$ Reel Rec. Tape $602 . \quad .69$ 99 F 60212 Extra 9V Bat. (1 req.) $2 \mathrm{oz} . .21$ 99 F 62572 Ex. "C" Cell (2 req.) 2 oz. . 14

## $39^{95}$

With Mike,
Take Up Reel, 3" Reel of Tape and AC Adapler

## - Battery or AC Operation

Craig "Super 212" 2 Speed Portable Recorder

"Super 212" has all the teatures of the famous " 212 " plus battery condlion meter, auxiliary input for direct recording from radios or other sources, and streamlined siyling. Capstan drive guarantees constant $17 / 8$ and $33 y$ ips tape speeds. Automatic level control prevents distortion when recording. Single lever control for all modes of operation. AC-bias recording system assures recordings of excellent quality. $4 \times 255^{\prime \prime}$ speaker: external speaker jach Uses $31 / 4$ " reels. Size: $31 / 8 \times 77 / 8 \times 93 / 4^{\prime \prime}$. Imported. Shpg. wt., 5 lbs.
27 F 270714 Nel 39.95
"C" batteries "Super 212" (6 req.)
99 F 62 J 72

Deluxe Wollensak Solid State Model 1500SS Tape Recorder

# Popular-Priced Solid State Reel-to-Reel Stereo Tape Decks 

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

Panasonic Model RS 765US 4-Track Stereo Record/Playback Tape Deck


Handsome stereo record and playback tape deck that plugs into your present hi-fl ampllfier or recelver. 3 tape speeds: $17 / 2,31 / 4$ and $71 / 2$ IPS. Constant speed, 4 -pole Induction motor. Two VU meters offer immediate indication of recording level on both channels. Single lever control for play, stop, fast forward and rewind. Separate left and right channel volume controls. Digital Tape Counter. Pause control for editing. A special internal circuit automatically turns off the recorder when the tape is finished. Headphone jack for private stereo listening. Comes complete with 7" empty reel, 4 connecting cords, splicing tape and 2 reel holders. Specifications: Takes reels up to $7^{\prime \prime}$; Freq. Response: 30 to $18,000 \mathrm{~Hz}$, Wow and flutter: less than $0.10 \%$ @ $71 / 2$ IPS, 2 mike inputs ( 600 ohms), 2 aux Inputs. Size: $133 / 4^{\prime \prime} \times 11^{\prime \prime} \times 51 / 2^{\prime \prime}$. For 117 VAC 60 Hz . Imported. Shpg. Wt., 19 ibs.
27 F 12206w No Money Down* $\qquad$ Net 99.95


$+1495$
With Two Patch Cords

Weinut Wood Base

Fine performing stereo tape deck. With self contained solid-stato stereo preamplifiers for the rcording and playback of 4-track stereo and 4 -track mono thru your home hi-fi system. Two speeds: $71 / 2$ or $33 / 4$ IPS. Vertical or horizontal operation. Features: sound with sound mixing, dual VU recording level meters, 3 digit tape counter, vibration free motor, stereo headphone monitor lack, single knob control, automatic tape lifter, scrape flutter filter, record Interlock, non-magnetizing record head and automatic shut off. Specifications: Takes reels up to $7^{\prime \prime}$. Freq. res.: $30 \cdot 18,000 \mathrm{~Hz} @ 71 / 2$ IPS $40-13,000$ $\mathrm{Hz} @ 31 / 4$ IPS, Wow/flutter 0.12\% @ 71/2 IPS, 0.15\% @ 33/4 IPS. Signat-to-Noise ratio: 52 db . Size: $1544^{\prime \prime} \times 72 / 2^{\prime \prime} \times 13 \%_{4}{ }^{\prime \prime}$ For 117 VaC 60 Hz . Imported. Shpg. wt., 18 lbs 27 F 60569w No Money Down*

Net 134.95
27 F 60379 -F98 Mike for 252-D.1 lb. Net 13.50

NEW $\begin{gathered}\text { Sony/Superscope 352D } 3 \text { Head } \\ 3 \text { Speed Stereo Tape Deck }\end{gathered}$

NEW
Concord Mark II 3 Head 3 Speed Stereo Tape Deck

$1799^{50}$

[^6] $199^{79}$
$-2$

Quality performance designed 4 track record/playback stereo tape deck. 3 heads-HI Mu laminated record and playback, ferrite erase. features: Hysteresis synchronous motor, dynamic muting, tape ten. sion arms, sound-on-sound recording, dual calibrated VU recording level meters, echo control, cue control, stereo headphone lack and digital tape counter. Specifications: 3 speeds: $17 / 3,33,71 / 2 \mathrm{IPS}$. Freq- res.: 20-23,000 Hz @ 71/2 IPS. S/N ratio $52 \mathrm{db},{ }^{2} 2$ high 1 m . pedance mike inputs, 2 aux inputs, take reels up to $7^{\prime \prime}$. Size: $13^{\prime \prime} \mathrm{H}$ $x 181 / z^{\prime \prime} \mathrm{W} \times 6^{N} \mathrm{D}$. For 117 VAC 60 Hz Imported. Shpg. Wt., 32 ibs. 27 F 35349 WX No Money Down"

- Net 199.79 Mark III 3 Head Stereo Tape Deck-same features and specifica. tions as above but with 3 pressure sintered ferrite heads ferase, wide gap record, narrow record playback). Freq. res.: 20-27,000 Hz @ $71 / 2$ IPS 20-27,000 Hz @ 37/4 IPS. Imported. 27 F 35371 wx Shpg. wt., 33 lbs.

Net 249.79

# Professional Solid State Reel-To-Reel Stereo Tape Decks 

## NFW KLH Model 41 Dolby System 3 Head Stereo Tape Deck



Designed to make wide-range, noise-free recordings utlizing the Dolby Noise Reductlon System. The signai-to-noise ratio at $3 \% / 4$ iPs Is 66 db , @ $71 / 2$ IPS Is 68 db . With the Model 41 you can record the most demanding musical source material at $31 / 4$ IPS-doubling the amount of playing time of any reel of tape. Features: 4 track stereo record/playback, 2 record VU level meters, 4 digit tape counter, single tape function control for rewind, stop, play, pause, and fast forward. Specifications: Takes reets up to 7 ", Jipe Speed, $31 / 4$ $71 / 2,1 \%$ IPS, separate erase, record, and playback heads. Input sensitivily: for " 0 " VU level Mic. 0.5 mV , Hi.AuK- 500 mV , LoAux 160 mV , Output level 2:5V RMS, Blas Frequency-Nominally $110,000 \mathrm{~Hz}$. Freq. Response @ $37 / \mathrm{IPS}-50 \mathrm{~Hz}$ to $12,000 \mathrm{~Hz} \pm 3 \mathrm{db}$, @ $71 / 2$ IPS -50 Hz to $15,000 \mathrm{~Hz} \pm 3 \mathrm{db}$. Size: $113 \mathrm{~m}^{\prime \prime} \mathrm{D} \times 14 \mathrm{M}_{4}{ }^{\prime \mathrm{W}} \mathrm{X}$ $536^{\prime \prime} \mathrm{H}$. Shpg, wt. 18 lbs. For 117 VAC 60 Hz .
27 F 45024 wx No Money Down*
Net 199.95

NEWTandberg 3000× 3 Speed
Stereophonic Tape Deck


The 3000x was designed for those who Insist on Tandberg quality but can afford to spend only a modest sum of money for a profes. sional stereo record/playback deck. 2 and 4 Track, stereo and mono record and playback. Features the same 3 speed tape mechanism found in the more expensive Tandberg models. Employs 4 precision gapped heads-record, playback, erase and crossfield. Other deslrable features are: tape flutter rolier, 2 peak reading V meters, pushbutton record controls, cuelng, start/stop contmol, 4-digit tape counter, add-a-track, sound-on-sound, echo effect, and mono mixing. Specifications: takes reels up to 7", 3 speeds: $17 / 4,31 / 4,71 / 2$ IPS Freq. Resp.@ $73 / 2$ IPS -40 to $20,000 \mathrm{~Hz} \pm 2 \mathrm{db}$. © $31 / 4 \mathrm{iPS}-50$ to $16,000 \mathrm{~Hz} \pm 2 \mathrm{db} . \mathrm{S} / \mathrm{N}$ ratio 60 db @ $71 / 2$ IPS, Motor-Asynchronous. mike Input Impedance 200 ohms, Output voltage 0.75 V , stereo headphone output-200-600 ohms. Size: $153 / 2^{\prime \prime} \mathrm{L} \times 51 / 2^{\prime \prime} \mathrm{H} \times 121 /$ " $^{\prime \prime} \mathrm{D}$, For 117 VAC 60 Hz . Shpg. wt., 24 lbs. Imported from Norway 27 F 67101 wx No Money Down

NFW Ampex Model Ax-50 3-Head Stereo Record/Playback Tape Deck


Handsomely styled, quality engineered, 3 speed, 4.track stereo tape deck. Features: 3 separate heads-erase, deep-gap record, and deep-gap playback. Features: Direct tape monltor; echo effect; sound-on-sound; sound-with-sound; noise suppression filter; auto. matic tape lifters; pause/edit control; 2 large illuminated VU meters; single rotary control for all tape motion functions, hysteresis synchronous motor; separate sliding level controls for each channel; 4 solid-state preampliflers; pushbutton reset 4 -digit index counter automatic shut-off switch. Specifications: Takes reels up to $7^{\prime \prime \prime}$; S/N ratio: 55 db ; freq. resp: $\quad 20-20,000 \mathrm{~Hz}(40.15 \mathrm{~K} \mathrm{~Hz} \pm 3$ db) @ $71 / 2$ IPS; Equalization: separate NAB for $71 / 2$ IPS, $33 / 4$ IPS and 17/8 IPs automatically selected by speed change. Inputs: 2 Ine (high impedance); 2 mike (high impedance). Outputs: 2 tape out (high impedance), 2 tape/source (high impedance), headphone 8 ohms. For 117 VAC 60 Hz . Size: $16 \frac{1}{2} \times 153 / 4 \times 812^{\prime \prime}$. 27 f 25604 wx No Money Down Wt., 30 los

Net 249.95

## TEAC Model A1200 Professional 3-Head Stereo Tape Deck



Combines 1 hysteresis-syachronous: capstan motor, 2 eddy currem outer-rotor torque motors and 3 precision heads for superb 4-track, 2 -channel stereo record and playtack. Also records and plays 4 track monophonic. Has all pushoutton system; ADO recording and stereo echo for sound-on-sound and special sound effects. Features dual VU meters, tape monitoring, automatic shut-off, falt-safe braking and 4 diglt counter. Specifications-Tape speeds: $71 / 2$ and $33 / 4$ IPS $\pm 0.5 \%$. Response $\pm 3 \mathrm{db}: 50-15,000 \mathrm{~Hz} @ 71 / 2$ IPS; $50-$ $10,000 \mathrm{Mz} @ 33 / 4$ IPS. S/N ratio: 50 db . Wow/flutter: $71 / 2$ IPS, $0.12 \%=33 / \mathrm{IPS}, 0.15 \%$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Slze , (outside base

27 F 1500 wx No Money Down*
Net 299.50
Model 4-1500. Same specs and features as above, but with automafic reverse and 4 heads. Imported. Shig. wt., 60 los.
27 F 15019WX
Net 399.50
ac101 Remote Control Unit For A1200 and A1500
27 F 15327 Shpg wt., 1 lb. Imported.
Net 20.00

# Craig and Sony/Superscope Stereo Reel Tape Recorders 

NEW! Craig 2408 Solid State 4-Track Stereo Tape Recorder


- Sound with Sound • 3 Speeds • Dual Level Meter

with 2 microphones and 7 " reel
Ideal stereo tape recordep for apartment. home, vacation home or offlce. Features two swing-out detachable speaker enclosures, each containing a wide range $4 \times 8^{\prime \prime}$ speaker. Single $V^{\prime \prime}$ control function selector for re wind, stop, play, pause, or fast forward. Separate left and right record buttons. 3 digit tape counter, 3 speeds $17 / 8,37 / 71 / 2$ IPS. Takes reels up to 7", 4 Track stereo/ mono record and playback. Power output: 8 watts peak (4 per channel) Inputs 2 mike 50K ohms), 2 AUX (100K ohms) Dutputs: 2 Speaker ( 8 ohms), 2 line, 1 stereo headphone. Vinyl leather-pattern wood covered cabinet. Size $161 / 4^{\prime \prime} \mathrm{W} \times 131 / 2^{\prime \prime} \mathrm{H} \times 1012^{\prime \prime} \mathrm{D}$ (Speakers included). For $105-125$ VAC 60 Hz . imported. Shpg. Wt., 30 Jbs.
27 F 27212wX No Money Down * Net 169.95 NEW! Sony/Superscope 252 Solid State Stereo Tape Recorder


## 10050 <br> with 2 F. 25 <br> Cardiold mikes

Complete portable solid state 4 Track stereo tape system. Offers many deluxe features: sound-with-sound, sound-on-sound, bullt-in amplifiers, and 2 full-range liddintegrated stereo speakers that provide exceptionally rich, beautiful sound. Take reels up to $7^{\prime \prime}$. 3-speeds: $17 / 8,37 / 3,71 / 2$ IPS. Vibration free motor, Stereo headohone level meters, 4 -digit tape counter, Retractomatic pinch roller, and non-magnetizing record head. Power Output 12-watts IHF. Inputs 2 AUX (100K ohms), 2 mike ( 600 ohms). Response 30 to 18,000 Hz @ $71 / 2$ IPS. S/N ratio 50 db . Size $161 / \mathrm{w}$ W $\times 101 / 8 \mathrm{~A} \times$ 15 "D. For 117 VAC 60 Hz . Imported. Shpg. Wt. 32 lbs.
27 60585wx No Money Down ..... 199.50

## Professional Stereo Tape Decks featuring 4 Channel Stereo



Teac TCA-41 Auto Reverse 4 Track Stereo Record/Playback Tape Deck
with 4 CHANNEL STERED PLAYBACK

- Automatic Reverse for uninterrupted playback of 2 channel tapes
- 4 Channe! Stereo Playback (in-line)
- Solid State Playback and Record Pre-Amplifiers
- Two Large illuminated VU Meters
- Line/Microphone Mixing
- 3 Motor Tape Transport - Hysteresis Synchronous Capstan Motor, Two Outer-Rotor Torque Motors
- Separate Tape Transport and Record Electronics, Each Housed in Walnut Enclosures

The professional TCA-41 is a record/play tape deck featuring compatible 4-channel stereo playback plus conventional $1 / 4$-track 2 channel stereo record/playback. Automatic reverse provides uninterrupted playback in 2 -channel mode. Includes provisions for adding 4-channel recording facilities. Professional mixing circult for mike and line inputs. Rugged 3 motor transport with push button operation. 4 -Digit index counter, Speciffcations: 100 kHz bias oscitlator. Three heads: Erase Record, 4 channel/2 channel play. Reel Size $7=$. Wow and flutter- $71 / 2$ IPS- $0.12 \% \mathrm{rms}$. Frequency response: Size $7^{\circ}$. Wow and flutter $-7 / 2 / 2$ iPS-0. $12 \% \mathrm{rm} \mathrm{m}$. Frequency response:
$71 / 2$ IPS $-50-15,000 \mathrm{~Hz}, \mathrm{~S} / \mathrm{N}$ Ratio 50 db @ $71 / 2$ IPS. Inputs: 2 microphone: 10 K ohms, $0.25 \mathrm{mv}, 2$ AUX: 100 ohms, 0.14 V minimum. Output: 4 Line-1-volt rms, headphone-standard 3 -circuit jack, 10K ohms minimum. Size: $12 \times 171 / 2 \times 7^{\prime \prime}$ (Tape Transport) $51 / 2^{\prime \prime} \times 171 / 2^{*}$ $x 7^{\prime \prime}$ (Record Pre-Amplifiers). For 117 VAC 60 Hz . Imported. Shpg. wt. 59 lbs.
27 IF 15035wx No Money Down*
Model TCA-42 Same specs and features as TCA-41 but includes 4 channel stereo record (in-line) faclities. Total of 8 separate solldstate playback and record preamplifiers. For 117 VAC 60 Hz . imported. Shpg, wt., 73 tbs.
27 F $15043 x y$ No Money Down*

## Solid State Integrated Stereo Tape Recorders

NCW Sony/Superscope 330 Solid State Stereo Reel and Cassette Recorder


Reel-to-Reel or Cassette May Be Recorded Simultaneously or Independently

## - Complete Stereo Control Center

- Detáchable

Integrated Speakers

## $339^{95}$

with 2 dynamic mikes

Deluxe Solld State Stereo Reel-to-Reel and Stereo Cassette Home Entertalnment Center. Reel-to-reel or Cassettes may be recorded Independently or simultaneously. 2 wide range lid type speaker systems are detachable for true stereo separation, Magnificently styled recorder control center includes: 2 separate illuminated VU record meters, separate tape counters for reel and cassette, tront microphone and stereo headphone jacks, speaker moni tor switch, noise suppressor switch, Individual rlght and left channel volume controls, separate bass and treble controls, push button cassette controls, and single function control knob for reels. Automatic gain control for cassette, manual gain contro for reel-to-reel. Response-Reel: 30 to $18,000 \mathrm{~Hz} @ 71 / 2$ ips, Cassette: 50 to $10,000 \mathrm{Mz}$. Inputs: 2 Mike, $2 \mathrm{Aux}, 2$ mag. phono, $\mathrm{S} / \mathrm{N}$ Ratlo-Reel: 50 db , Cassette: 45 db . Size: $21 \%$, $\times 11 \%, 4 \times 13 \%$. For 117 VAC 60 Hz . Imported. Shpg. wt. 60 lbs .
27 F 60577 WX No Money Down*
Net 339.95

## NEW <br> Concord Mark 8 Reel-to-Reel Stereo Recorder

## $289^{95}$

- Internal Copying from Reel-to-Reel to 8 Track
- Monitoring Amplifiers
- 8 Track Stereo Cartridge Recording and Playback
- 4 Track Stereo Reel Recording and Playback

Magnificent solid state stereo integrated tape recorder that records stereo 8 cartridges fom reel-to-reel tapes, or from aux. (tuner, tape) and phono inputs. Also records and plays back 4 track stereo and mono reel-to-reel tapes. Features self-contained wide range speakers, monitoring amplifiers, external speaker output jacks, stereo headphone output jack, 2 liluminated vu record level meters, 4 digit tape counter, llfuminated 8 trach channe: lights, pushbutton 8 track selector bution, separate slide controls for left and right channel voiume, tone, 8 track fast forward and con-tinuous-play pushbuttons. Freq. response-Reel: 50 to $19,000 \mathrm{~Hz}$. @ $71 / 2 \mathrm{ips}, 8$ track: 50 to $12,000 \mathrm{~Hz}$. S/N Ratio: 45 db . Mike Input impedance: 600 ohms. Reel recorder takes up to $7{ }^{\prime \prime}$ reels. Size: $1054 \times 131 / 4 \times 184 / 4^{\circ \prime}$. For 117 VAC 60 Hz . Imported. Shpg. Wt., 48 lbs . 27 F 35397wx No Money Down*
with 2 mikes, 7 " teet, cassetfe. dems tape, head cleaner, and pen

- Record Reel to Cassette, Reel to 8 Track or From Any Auxiliary Source
Exciting 3 in 1 solid state stereo tape recorder. Combines reep-to reel with 8 track cartridge and cassette recording and playback. One-micron head makes possible superb frequency response from cartridges and cassettes which have been recorded from the 333x reel. Features: Cross Field Reel head System, dual VU recording meters, separate digital index counters for reel and cassette operation, pushbutton cassette controls, semi-slot cassette tape loading, pushbutton track selector for 8 track operation, and illuml nated track indicator lights. Reel tape speed: $17 / 1,37 / 4,7 / 2$ ips (15 ips with adapter mit Included). Response-Reel: 30 to 23,000 Hz @ $\mathbf{7 1 / 2}$ ips. 8 Track: 30 to $18,000 \mathrm{~Hz}$, Cassette: 30 to 16,000 Hz. S/N Ratio-Reel: $50 \mathrm{db}, 8$ Track and Cassette: $45 \mathrm{db}, 2$ Built-In $4^{\prime \prime}$ wide range speakers. Inputs for mike, Aux. Reel recorder takes up to $7^{-7}$ reels. For 100 to $240 \mathrm{~V}, 50 / 60 \mathrm{~Hz}$. Size: $101 / 2 \times 13 y / 4 \times$ 181/4". Imported. Shpg. wh, 55 lbs
27 F 55213 wx No Money Down*
Net 559.95


## Deluxe Roberts 778X Solid State Stereo Integrated 8-Track and Reel Recorder



## Built-In Cartridge Erase

- 4-Track Stereo Reel to Reel Plus "Stereo 8" Track Combination Record and Play
Deluxe home instrument that recards "Stereo 8" cartridges for music in your car or home, plays stereo reel-to-reel tapes and records cartridges at the same time. Records 8 track cartridges from reels or internally plugged-in record player, tuner, mikes or another deck. Also features 4 track stereo/monaural record and playback at 3 speeds- $17 / 3,334,71 / 2$ lips with eross Field heads; cartridge channel selector and illuminated track selector read-out indicators; 12 watt solld state stereo amplifier ; two $4^{" 1}$ acoustic suspension speakers. Signal-to-Noise ratio: 50 db . cartridge 45 do Twin VU recording level meters. For 120 volt $50 / 60 \mathrm{~Hz}$. Size: $15 \times 131 / 2 \times 91 / 2^{\prime \prime}$. Imported. Shipg. wt., 47 lbs.
27 F 55171 wx No Money Down*


# LAFAYETTE Finest 8-Track Stereo Tape Players NFWI LAFAYETTE RK-850 20-WATT SOLID-STATE 8-TRACK STEREO AMPLIFIER/PLAYER 



## with EXCLUSIVE "REMOVE TAPE INDICATOR"

Insures You Do Not Damage The Tape Head and Your Cartridges

# 79 <br> Less Speakers <br> 109 


SAVE $\$ 10.00$
From Individual Catalog Prices When You Purchase RK-850 with Criterion 25A Speakers

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

The RK-850 combines a complete 8-track stereo playback system with a powerful 20 -watt full feature stereo amplifier on one integrated chassis. Advanced solld-state circuitry (16 transistors, 3-diodes, and 2 -thermistors) provides instant-on play with supert high fidelity performance and reliability. The RK- 850 's 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 llluminates with the power turned off and a tape cartride left fully inserted in the player. This feature will also preserve the Ilfe of your cartridges. Convenient operating features include: Pushbutton Track Selector; 4-ilfuminated Track Indicator Iights; Selector Switch for choice of inputs: Phono (with ceramic cartridge), Tuner, and Auxillary; plus tape output for external tape recorder. Push-

- Main and Remote Soeaker Switch
- Individual Illuminated Track Indicator Lights
- Pushbutton Track Selector

Gutton Switches for: Main and Remote speakers; Loudness, Stereo/ Mono mode; Power on/off with Pllot Lamp. Separate controls for Volume/Balance, Treble, Bass. Stereo headphone jack for private listening. SPECIFICATIONS: Tape Section-Response: 30 Hz to 10 kHz ; S/N: 50 db ; Wow and Flutter: $0.3 \%$ rms. Amplifier sectionFrequency Response: 20 Hz to 20 kHz ; Separation: $60 \mathrm{db} ; \mathrm{H} / \mathrm{O}: 0.2 \%$; Input Sensitivity (Aux., Tuner, Phono CER.): 250 mV ; Hum and Noise (Aux., Tuner, Phono CER.: 70 db . Distinctive styling features a black front panel accented by brushed gold anodized aluminum trim and simulated wainut grain case. For $105 / 120$ VAC., 60 Hz . Imported, Size: $12 \mathrm{~W} \times 33 / 4 \mathrm{H} \times 91 / \mathrm{s}^{\prime \prime} \mathrm{D}$.
99 F 15836 WX Shpg. wt. 13 lbs .
Net 79.95
RK- 850 plus 2 . Criterion, 25 A speakers (See page 42 for description of speakers). Shpg. wt., 38 lbs . 99 F 02396 WKM No Money Down*

Net 109.95

DELUXE LAFAYETTE RK-800 8-TRACK STEREO CARTRIDGE PLAYBACK DECK


## NEW: Lafayette LR-818 Solid State 3 Piece FM/AM/FM Stereo 8 Track Playback System



## Only 1199 <br> No Money Down*

Features 2 Separate 8" Air
Suspension Speaker Systems For Magnificent Sound Quality.


- Illuminated Track Indicator Lights
- Pushbutton Track Selector
- FM Stereo Indicator Light
- FM-AFC For Drift Free FM Reception
- Black-Out Lighted Slide Rule Dial
- Inputs For Phono, or Tape Recorder
- Tape Recorder Output Jacks
- Front Panel Stereo Headphone Jack
- Separate Volume, Tone, and Balance Controls
- Built-In FM-AM Antenna System
veniently located on the Iront panel for private listening. Separate controls for votume, tone, and balance. The 8 -track stereo tape player faatures a pushbutton track selector, and illuminated channel indicator lights. An AC convenience outlet is located on the rear panel. Each completely-sealed speaker enclosure contains an $8^{\prime \prime \prime}$ duo-cone wide range speaker for marnificent sound reproduction. Power Output; 120 watts IPP. FM sensitivity: 5 mV . Stereo separation: 26db. Walnut grained finished cabinet. Black face control panel with silver trim. Size: Control Unit: $4 \times 11 \times 18^{\prime \prime}$, Speakers: $6 \times 141 / 2$ x $10^{\prime \prime}$. For 117 VAC 60 Hz . Imported. Shpg. wt., 36 lbs . 17 F 02299wx

Net 119.95
Lafayette MC-22 4 Speed Automatic Stereo Mini-Changer ensemble. (See pare 66 for complete description)
21 F 01632 .Shpg. wt., 7 lbs.
Net 34.95

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

- Each Speaker Enclosure Contains 2 Separate Full Range 4" Speakers
- Handsome Walnut Wood Cabinetry

Luxurious in every way-from lits distinctive walnut wood cabinetry and black and sllver control panel to its magnificent sound performance, 8-Track Recorder section provides superb Record-Playback performance. Features track selector bution, four lliuminated track indicators, fast-forward contral, accidental erasure guard, Mons/Stereo playback change-over switch, speaker switch, and two large VU Record meters. AM/FM/FM Stereo radio features: 'Black-lut' dial face, FET tuner, AFC on FM, and separate sliding bass and treble controls. Brimiant sound is assured by 2 separate $4^{\prime \prime}$ full range speakers in each enclosure. 32 watt pesk music pow. er, super sensitive stereo balance control. imported. For 110 VAC 60 Hz Slze: 201/ex $63 / 4 \times 143 / 4^{*} 0$. Shpg. wt., 29 lbs.
17 F 31868 WX No Money Down* .. Net 299.95


- 8 Track Recorder Features FAST

Forward, Accidental Erasure Guard

- 2 VU Record Meters
- Hide-Away Cartridge Bin


## 8-Track Stereo Tape Cartridge Recorders and Decks



DELUXE VIKING 811R 8.TRACK SOLID STATE HOME STEREO CARTRIDGE RECORDER/PLAYER DECK

NEW! VIKING 814 S SOLID STATE 8-TRACK AMM/FM STEREO RECORD/PLAYBACK SYSTEM

## $3495{ }^{-} \begin{aligned} & \text { With } 2 \text { Separate Acoustic } \\ & \text { Suspension Bookshelf } \\ & \text { Systems }\end{aligned}$ Systems Each Containing

 a $61 / 2^{\prime \prime}$ SpeakerSuperb 8-Track home entertainment center. The control unit consists of a 100 watt (Peak Music Power) solld state stereo integrated amplifier, a sensitive FET Solld State AM-FM stereo tuner, and 8 -Track Tape Cartridge Recorder/Player. Ampllfter/Tuner Fea: tures: Black out dial with slide rule indicator; FM stereo beacon, Tuning meter for signal strength, AFC on/off slide switch, built-in ferrite AM loop stick antenna, and provisions for external FM anlenna. 8-Track Recorder Features: Manual channel Selector, Illuminated track Indicator lights, pause control, eject lever, and 2 VU level record meters. Handsome walnut wood cabinet. Size: $18^{\prime \prime} \mathrm{W} \times 6^{\prime \prime} \mathrm{H} \times 11^{\circ} \mathrm{D}$, Each Speaker $8^{\prime \prime} \mathrm{W} \times 12^{\prime \prime} \mathrm{H} \times 7^{\circ} \mathrm{D}$. Shpg. Wt., 36 lbs. UL listed. Fór 117 VAC 60 Hz .
27 F 6a133wx No Money Down*
Net 349.95
New Model 8125 8-Trach Record/Playback System: Same as above but less AM/FM stereo Tuner. Provisions are provided for plugging in an exlernal Tuner or Phono. Shpg. wL, 35 los. 27 F 68141wX

Net 299.95

## NEWI ROBERTS 808D SOLID STATE 8 TRACK STEREO RECORDER/PLAYER DECK



- Automatic Stop At End Of Any Single Track or Completion Of All 4-Tracks In Record Mode High quality 8 -track stereo tape cartridge RECORD/PLAYER deck in a handsome walnut cabinet with built-in record/playback preamp for use with existing stereo equipment in the home. Features a special Logle Circult that permits cholce of continuous play or auto-stop at end of tape in PLAY mode, and, allows choice of auto-stop at end of single track or completion of all 4 -tracks in RECORD mode. Unit automatically plays when cartridge is inserted; has automatic and pushbutton track selection; $40-15,000 \mathrm{~Hz}$ re: sponse; $0.3 \%$ rms wow and flutter; numerical track indicator; V meter; record button intertock, and pllot light. For 117 VAC., 60 Hz . Size: $154 / 4 \times 11 \times 4^{\prime \prime}$. Shpg. wt., $273 / 4 \mathrm{lbs}$. 27 F 68091 wx No Money Down* $\qquad$ Not 169.95
NEW! SONY/SUPERSCOPE TC-8W " 8 TRACK" SOLID STATE STEREO CARTRIDGE


## RECORDER/PLAYER DECK



Now with the exciting Sony TC.8W, you can select and record your own library of stereo 8-track cartridges for automible and home use. Instantly connects to your home system for recording or playback. Features "Sonymatic" AGC which automatically adjusts rec. ording level. Perfect track alignment is assured by alignment indicator light and automatic power mechanism which turns unit on only when cartridge is properly inserted and shuts it off at the end of the tape. Also has record interlock to prevent accidental erasure. Illuminated Track Indicator, Stereo Headphone Jack, Track Selector Switch, and Stand-by switch. Mike and Aux. inputs. Frequency Response: $40-12,000 \mathrm{~Hz}$. Wow and Flutter: $0.32 \%$. Size: $10 \%{ }^{\prime \prime} x$ $13^{\prime \prime} \times 61 / 4^{\prime \prime}$. Imported. Shpg. wt., 11 lbs.
27 F 60510 WX No Money Down*
Net 149.95

## 1695

- Fast Forward Control
- 2 VU Record Level Meter

Record or playback 8 Track Stereo Tape Cartridges thru your hi-f amplifler or receiver with this quality tape deck. One micron gap play head provides superb frequency response of 50 to $15,000 \mathrm{~Hz} \pm$ 3db. Pushbutton controls for record play, and fast forward. Two linear-action volume slide controls for left and right channel. llumlnated Track indicator IIghts. Record Indlcator Light. Continuous play Button. Stereo Headphone Jack. Mike and Radio/Phono inputs. Stereo Line Outputs. Sensitivity mic: 0.5 mv at 4.7 K impedance. Channel Separation better than -40db. Size: $131 / 2 \times 91 / 2 \times 53 / \mathrm{E}^{\prime \prime}$. For 117 VAC 60 Hz . Imported. 27 F 55205WX Shpg. wt., 191/4 lbs.

Net 169.95
NEW! PANASONIC RS-803US SOLID STATE 8-TRACK STEREO CARTRIDGE RECORD/PLAY DECK WITH FAST WIND
only

$$
99595
$$

- 2 VU Meters
- Auto-stop Switch

Solid-State 8-Track Stereo Cartridge Record/Play Deck with fast wind permits quick selection of the tape sections you wish to hear. Two easy-see VU meters for visual indication of recording tevel on both channels. Separate volume controls for left and right channel, push button controls for recording and program selection. Auto-Stop switch for shutting the recorder off when the tape reaches the end of the last trach. Safety lock record button guards against accidental erasing or recording. Lighted channet indicators. Solid State circuitry. 2 mike, 2 Aux inputs. Stereo Headphone output. With 4 connecting cords, one head cleaning bar. 165 $\times 41 / 2 \times 91 / 4^{\prime \prime}$. For 117 VAC 60 Hz . Imported.
27 F 12271 Whpg. wt., 13 lbs.
Net 99.95

## Solid State Portable 8 Track Tape Players

## Portable 8-Track Stereo Tape Player

- Operates on 117 vac Household Current or Car 12 Volt Negative Ground System By Plugging Unit into Car Cigarette Lighter


FOR YOUR HOUE


Features 3-way Operation:

1) Self-Contained Battery
2) 117 VAC Home Current
3) 12V DC Neg. Ground Car System
"Automatic" Portable 8-Track Player
with
Car Cigarette

- Listen to 8 Track Tape Cartridges Wherever You Go


An exciting way to listen 108 -track stereo tape cartridges. Portable instant-on solid state tape player operates on 6 " $D$ " batteries (not Included) or may be plugged into the cigarette lighter of any car or boat with a 12 V neg. ground electrical source. Continuous tone con. Irol and dynamic speaker for quality sound reproduction. Earphone jack for private listening. Channel indicator. Integrated carrying handle. includes 6 transistors and $\frac{1}{}$ thermistor. $8^{\prime \prime} \mathrm{HE} 7^{\prime \prime} W \times 31 / 4{ }^{\prime \prime} \mathrm{D}$. 17 F 26330 Imported. Shpg. wt., 7 ibs.
99 f 62564 " $D$ " Batteries. 6 required
Net 34.95
Net ea. . 15

## Qatron Automatic 8-Track Stereo Tape Player/Changer

Up to 12 hours of continuous play. Automatically switches and selects 128 -track tape cartidges in an easily removable rotary magazine. 4 Modes of operation-(1) Plays all channels of all tapes in sequence, (2) Plays random selection of tapes, (3) Plays insivioual tracks of each tape, (4) Repeat-play same cariridges. Aux. inputs for AM/FM stereo tuner. Power output- 30 watts ( 15 per channel). Requires set of 2 external speakers for complete playback system. Has Pre-Amp output for use with existing home stereo system. Separate tone and balance controls. For $117^{\circ} \mathrm{VAC} 60 \mathrm{~Hz}$. Size: $18 \mathrm{~V} 4^{\prime} \mathrm{W} \times 9^{\prime \prime} \mathrm{H} \times 161 \mathrm{~h}^{\prime \prime} \mathrm{O}$. Walnut vinyl finish base. Shpe. Wt., 32 tbs.
27 F 28004WX No Money Down:
Net 289.95

# Quality 8 Track Stereo Tape Players for the Car NEW Deluxe Ranger RR71T 8 Track Stereo Tape Player 



$89^{95}$
Less Speakers For 12 Volt Neg./Pos. Ground

Deluxe, highly styled solid-state 8 Trach Stereo Tape Player with exciting new features: Built-in Mead 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 ignilon is shut off protecting cartridge pinch rollers. Guilt-In Tape Light for easy selection reading at night. Motor Switch reduces ignitlon noise and battery drain when a cartridge radio pack is operating in the player. Theftproof Bulit-in Burglar Alarm blows horn continuously when an attempt is made to steat a properly installed player. Fine Tuning adjusts for worn or defective cartridges.. tunes out crosstalk.

Hidden Channel Indicator...single channel number is illuminatedeach number in a different color. Highly Styled Slide Controls for easy Tone, Volume and Balance adjustment. Reverse polarity for $\mathbf{1 2}$ volt negative/positive ground cars. Also includes automatic or pushbutton track selection. Peak audio output: 14 watts. Measures only $31 / 2 \mathrm{H} \times 73 / 6 \mathrm{~W} \times 71 / 2^{\prime \mathrm{D}}$. Frequency Response: $40-12,000 \mathrm{~Hz}$. Impedance: 4 ohms. With universal mounting bracket. Imported. 17 F 74579w No Money Down*, Shpg. wt., 7 ibs.

Net 89.95
Set of 2 Matched Rear Deck Speakers. Imported. 99 F 62986 Shpg. wt., 4 lbs.

Net 9.95

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



- 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

[^7]justing the playback head to precision alignment with the recorded tracks. Illuminated channel Indicator shows channel that is playing. Channel changes automatically after each program by instantiy operating the selector bar. Specifications: Peak Audio Output: 20 watts; Impedance: 4 ohms each channel; Transistors: 12; Thermistors 4; Battery drain: .75 amp ; Dual Tone Confrol. For 12 volt neg./pos. ground. Imported.
17F 74496 W Shpg. wt., 8 ibs. No Money Down*
Net 79.95
Alternator Noise Filter for above Ranger Tape Player
17 F 74223 Shpg. wt., 4 oz .
Net 1.25
Set of 2 Matched Lafayette Car Speaker Systems 99 F 62994 Shpg. wt., 2 lbs.

## NEW! 8-Track Car Stereo Tape Players for 1971

## TENNA TC-80 Solid-State 8-Track Stereo Car Tape Player


$69^{95}$
less speakers

- Built-in Tape Head Cleaner
- Built-in Burglar Alarm
- Fine Tuning Control
- For 12 Volt Neg. Ground

Compaci 8-Track car stereo tape player with many deluxe featurs: Bult-in Burglar Alarm- theft proof-horn starts to blow at theft attempt. Buitt-in Head Cleaner-cleans the head every time cartridge is inserted and removed. Fine Tuning-adjusts for worn or defective cartridges thus eliminating cross talk. Other features: lituminated track indicators, automatic or pushbutton track selection, instantion solid-state circuitry. Separate thumbwheel volume. balance, and tone controls. Complete with all mounting hardware. less speakers. Size; $3^{\prime \prime} \times 53 / 4^{\prime \prime} \times 742^{\prime \prime \prime}$. Imported. Shpg. wt., 6 lbs. For 12 volt neg. ground.
17F74587W No Money Down*
Net 69,95 Set of 2 -hafayette Matching Car Speakei Systems. 99 f 62994 shpg. wt., 3 lbs.

Net 6.95

# CRAIG 3123 Floor Mount 8-Track Stereo Car Tape Player 



- Free Standing Mount for Floor or Console - Easily Removed for Storage - Eject Button - For 12 Volt Neg. Ground

Instantion said state circuitry. Free standing mount for floor or console. Program switching is fully automatic, with manual program change at any time by depressing a front panel button. An "eject" button permits easy cartridge removal. The powerful output provides ample volume even in convertibles. The 3123 romes with a quickrelease mounting base and special coded magnetic key lock. Can be easily removed for storage and conveniently re-installed. All mounting attachments are concealed in the normal operating position. Less speakers. Size: $61 / 2^{\circ} \mathrm{W} \times 81 / 0^{\prime \prime} \mathrm{H} \times 91 / 2{ }^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt. 9 lbs.
27F27204W No Money Down*
Net 99.95
Set of 2 -Lafayette Matching Car Speaker Systems. 99 F 67994 Shpg. wt., 3 lbs.

- Sec Page 11 for Fiull Credit Details on. Easy Pay Plan

RANGER RR-62MPX Solid-State 8-Track Car Stereo Tape Player With FM Stereo Radio


## $119^{95}$

less speakers

## - Built-in Burglar Alarm

- Fine Tuning
- FM Stereo Indicator Light
- Pushbutton Track Selector - Thumbwheel Control Knobs - For 12 Volt Neg. Ground

Hide-Away tape cartridge opening with a functional, illuminated dial glass. When the cartridge is out. this unit looks and performs as an FM stereo radio producing crisp, clear, static-free reception. Insertion of the 8 -Track Cartridge throwgh the dial glass opening Instantly converts the unit into a tape ptayer. Built in burglar alarm, Fine tuning control. Channel changes automatically after each program or by manually operating the selector bar. Size: $31 / \mathrm{m}^{\prime \prime} \times 8^{\prime \prime} \times 9^{\prime \prime} 0$. 20 watts peak output. Less speakers. 12 volt neg. ground. Imported. Shpg. wt. 12 lbs.
17F74595wx No Money Down*
Net 119.95 Set ol 2-Lafayette Matching Car Speaker Systems. 99 F 62994 Shpg. wt., 3 lbs.

## Custom In-Dasin 8-Track Stereo Tape Player For Volkswagen Cars



Custom In-Dash Installation For 1967-1971 Series 1200 And 1300 Cars. Can Be Used in Prior Year VW Cars With Optional Voltage Adapter.


- Includes All Mounting Hard-
with speakers ware and Two 4" Speakers

Provides a true, in dash custom installation for 1967 thru 1971 Volkswagen cars. Can be used in prior year Volkswagen cars with an optional voltage adapter listed below. Additionally-with use of Automatic FM Stereo Tuner adapter listed below, the 8-track player becomes a fine performing FM stereo car radio. Pushbutton track selector or changes tracks automatically. Instant on solld state circultry. For 12 volt, neg. ground systems. Inclures two 4" speakers. Imported. Shpg. wt., 5 los.
17 F 26421 W No Money Down*
Net 74.95 VVC 85256 -volt voltage Adapter for 1955 thru 1966 Cars. Shpg. wt., 2 lbs .
17 F 26439
I7 F 26439 Universal FM Stereo Tuner Cartridge Input. Shpg. Wt., 1 Ib. 17 F 26348 L No Money Down*

## LAFAYETTE Stereo 8 -Track Listening in the Car

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


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

## $59^{95}$

Complete with Adjustable Mounting Bracket, and all Mounting Hardware. Less Speakers.

- Power Output: 12 Watts
- Instant-On Space Age Solid-State Circuitry
- Individual Illuminated Track Indicator Lights

Beautifully designed stereo car tape system superbly engineered to provide high quality stereo sound playback of 8 -Track ${ }^{\text {stereo }}$ PreRecorded Tape Cartridges. Features a builf-in Burglar Alarm System to prevent theft. The "Stereo $88^{\prime \prime}$ measures only $23 / 3 \mathrm{H} \times 7 \mathrm{~W} \times 73,{ }^{\prime \prime} \mathrm{D}$. and can be easily mounted under the dash of your car with attached adjustable mounting bracket. Fully automatic-just slip in an 8 -track tape cartridge and the "Stereo 88" plays instantly. Removal of cartridge automatically switches player off. Illuminated

- Pushbutton Track Selector
- Volume, Balance, and Tone Controls
- For 12 Volt Negative Ground System
track indicator shows track that is playing. Tracks change automatically after end of each program or instantly by operating the selector button. Frequency Response: 50 to $10,000 \mathrm{~Hz}$; Signal-ToNoise Ratio; more than 40 db . Wow and Flutter: less than $0.3 \%$. 12-transistors, 1 -diode, 4 -thermistors; Output Impedance: 4 -ohms. For 12 volt negative ground systems. With mounting bracket and hardware. Imported. Shpg. wt., 10 lbs . Less Speakers. 99 F 15521 W No Money Down

Net 59.95

## LAFAYETTE Speakers for 8-Track and Cassette Car Stereo Tape Players

DELUXE PAIR OF REAR DECK MATCHING SPEAKER SYSTEMS


- 5 Watts Peak Handling Power Set of two poweriul $4^{\prime \prime}$ speakers mounted in handsome ebony plastic cabinets with silver trim. Specially designed to mount on car's rear deck. Can also be surlace mounted anywhere. Provides outstanding sound reproduction. Includes all necessary cables and mounting hardware. 99 F 62986 Wt., 4 lbs. Net 9.95

CUSTOM INDOOR SET OF FOUR SPEAKERS \& MATCHING GRILLES


Ready for quick installation. Im. proves the sound and perform. ance of any car tape player. Kit includes: Four $43 / 4^{\text {" }}$ extended range 8 -ohm PM speakers; four round custom mount plastic speaker grills; all necessary hook-up wire with solderless connectors; mounting hardware and easy-to-follow instructions. Imported. Shpg. wt., 3 lbs. 99 F 52861 Net B. 95
PAIR OF $3 \times 5$ UNDER-
DASH MATCHING
SPEAKER SYSTEMS


- Full Range Response

Two- $3 \times 5^{\text {" }}$ wide-range ceramic speakers mounted in plastic housing will mount under dash, under seats, on kick panels, doors, or rear package shelf. Includes all necessary cables and mounting hardware. Imported. Shpg. wt., 3 lbs. 99 F 62994

> DASH MATCHING SPEAKER SYSTEMS

Deluxe flush-mounting speaker with beautiful chrome grill. Ideal for use as an auso speaker or anywhere shallow depth is re. quired. Full range speaker has heavy magnet and offers outstanding sound quality. Can also be used as a ceiling or wall mount speaker in your home. Imp., 8 ohms. Overall dia.: $61 / 4^{\circ}$. Imported. Shpg. wt., 3 lbs. 99 F 01794

Net 3.95

## NEW Pair of Trusonic Die-Cast Stereo Hi-Fi Speakers For the Car

## - Frequency Response: 50-18,000 Hz



- For Door or Rear Deck Mounting - Power Handling: 12-Watts The ultimate in auto speaker design. Powerfui $5^{\text {" }}$ full-range speaker dellvers brilliant clean highs to $18,000 \mathrm{~Hz}$ and deep solld bass down to 50 Hz . Features rigid die-cast frame, free cone suspension, 2 lb . magnet structure and 1" edge-wound wire ribbon voice coil. Handles 12 full watts of power. Custom mounts in door panels or on rear deck.
32 F 49489 2-Speaker Kit. Shpg. wt., 8 lbs
Net 29.95


# LAFAYETTE Stereo Cassette Listening in the Car 

## LAFAYETTE RK-210 Solid-State Car Cassette Stereo Tape Player/Recorder



- 20 Watts Peak Music Power
- Automatic Stop/Automatic Eject
- Automatic Level Control on Record

Full Feature instant-on solld state cassette car stereo tape player whith built-in monaural recording system. Operates with any 12 volt negative ground system. Designed for convenience-front loading tape insertion with automatic stop and ejection when tape is finished playing or recording. Pushbutton last forward and rewind. Manual stop and eject button. Separate tone, volume, and balance controls. Record safety bution and indicator IIghe. Built-in ALC for record. Professional AC record blas system. Plays back 4 Track 2 channel stereo; Records 2 Jrack monaural. Channel Separation 30

- Pushbutton Fast Forward and Rewind
- Professional AC Bias Recording and AC Erase System
db. Power Output: 20 watts beak per channel. 14 transistors and 4 diodes. Includes mounting bracket, hardware, connecting cables, remote control mike with colled cord and suction cup stand. Handsome Dlack enclosure with brushed aluminum front panel. Size:
 99 F iss02WX No Money Down ${ }^{\text {* }}$

Net 89.95
Deluxe Set of 2 Lafayette Rear Deck Matched Speakers. Imported. 99 F 62986 Shpg. wt., 4 lbs.

Net 9.95

## Universal Lock Mount For Car Tape Players

For Cassette and 8 Track Car Stereo Tape Players.


- Remove Your Tape Player When Your Car is Unprotected
Prevent the thelt of your car stereo tape player. Makes your player removable. Takes minutes to install. Adjustable mount adapts to car stereo tape players or C8 transcelvers. Once installed, no screws or wires are needed to disconnect player from mount. Plugs-in and locks. For 6 or 12 V . neg or positive ground. Dim.: $64,6 \mathrm{~W} \times 7 / 8 \mathrm{Dx} 1^{\prime \prime} \mathrm{H}$.
17 F 630 to Shpg. wt., 1 ib.
Net 9.99


## Ampex Micro 44 Solid-State Car Stereo Cassette Player with FM/FM Stereo Radio



With Unlversal Mounting Bracket, Wiring Harness and Antenna Adapter Cable

- Simple Push-in Slat Loading Of Cassette Tapes
- Automatic Eject and Turn-Off At End Of Tape
- FM Stereo Indicatar Light

Enjoy the convenience of stereo cassette tapes in your car... plus the luxury of standard FM and FM Stereo broadcasts from one compact unit. Features fully automatic operation; fast slot load "Slar System"; single lever function control for Eject/Off, Fast Forward and Rewind; Illuminated FM tuning dial; stereo Indicator light; AFC, Local/Long distant switch and Mono/Stereo FM reception. Thumbwheel control for Volume, Balance, Tone and FM tuning. Has built-ln noise suppression filters. 20. watts output power. Response: $40 \cdot 15,000 \mathrm{~Hz}$ Radio; $40-10,000 \mathrm{~Hz}$ Tape. Senitivity (FM): $4{ }_{4} \mathrm{~V}$. For 12 V ., neg/grnd., car system. Size: $9 \% \times \mathrm{x} 9 \times 41 / \mathrm{m}^{\prime \prime}$. imported. 17F 57012 Shpg. Wt., 12 libs. No Money Down ${ }^{\circ}$

Net $\$ 69.95$ Deluxe Set of 2 -Lafayette Rear Deck Matched Speakers. Imported.
39 F 62986 Shpg. wt., 4 lbs.
Net
9.95

# Solid-State Stereo Cassette Players and Recorders for the Car <br> NEW $\begin{aligned} & \text { AUTOMATIC CSA-9934 } \\ & \text { CAR STEREO CASSETTE PLAYER }\end{aligned}$ 



7045
With Mounting Hardwart
Less Speakers

- Fast-Forward and Reverse
- Thumbwheel Type Safety Controls
- Lever slide control for stereo balance

Handsomely styled car stereo cassette tape player. Produces 8 watts stereo music power. Plays standard monaural or stereo prerecorded cassette cartridges at $17 / 2 \mathrm{lps}$. Features ultra-modern, solld-state circuitry, plus thumbwheel safety type volume, controls. and lever slide control for stereo balance. Fast-ForwardReverse controls permit rapid, manual choice of different selections. Operates on any 12 -volt negative ground electrical source. Beautlful chrome face panel with jet-black trim. Comes complete with mounting bracket. Size: $65 \% \mathrm{~L} \times 70 \times 23 / 4^{\prime \prime} \mathrm{H}$. Imported. Shpg. wt., 9 lbs.
17 F 26413W No Money Down*
79.95

Set of 2 -Lafayette $3 \times 5$ - Matching Rear Deck Speakers.
Net 6.95

## NEWHITACHI TRQ-206 CAR/PORTABLE CASSETTE PLAYER/RECORDER



## 9995

- 3-Way Operation-AC, 8attery, or Car 8attery
- Stereo Playback in the Car and Home Using Optional Speakers
Includes Mounting Bracket with Lock and Key.
Connecting Cable, Remote
Control Mleraphone, Pewer
Cord, Demonstration Tape
Sensational and versatile cassette tape system. Featofes special bracket for auto mounting with lock and hey included for 12 volt DC Neg. ground systems. Removable for use as a portable with lts own batteries (operates on 8 " $C$ " Cells not Included)-or operates In the home on 117VAC 60 Hz . Bullt-In wide range speaker. Semislot tape loading. Automatic stop and eject. Fast Forward and rewind. Separate Tone and balance controls. External speaker jacks for stereo. Size $91 / 2^{\prime \prime} \times 31 / \mathrm{s}^{\prime \prime} \times 101 / \mathrm{z}^{\prime \prime}$.
27 F 23054 Shpg. wt., $8 \frac{1}{2}$ lbs. Imported $\qquad$ Net 99.95

Deluxe Set of 2 Rear Deck Matched Speaker Systems.
99 F 62986 Shpg. wt., 4 lbs. Imported
1 tb . $\qquad$ Net 9.95 99 F 62572 " C ' Batteries- 8 Req. Wt

## 4405 <br> Speakers

With all Mounting Hardware, and Remote Control Mike

- Makes Recordings In Your car
- 20-Watts Peak Music Power
- Unique Slide-Out Storage Tray

Enioy your lavorite cassettes in your automobile. Instant playoack of all prerecorded stereo and monaural cassette tapes, plus instant monaural record with remote control mike supplied. Gives you 20 watts muslc power. Uses slot load system for fast, easy loading. Automatic eject at end of tape. Recessed pushbutton function cons trols: Fast-Forward, Rewind plus drum-style volume and Tone controls. Has pilot light and separate record indicator light. Silm-llne style blends with any car interior. Slide-out storage tray holds microphone and 4 -cassette tapes. For 12VDC negatlve ground systems. Mounting bracket and all hardware supplied. Size: $9 K_{4} \times 4 K_{4} \times 9^{\circ} \mathrm{D}$. Shpg. wt, 11 lbs.
17 F 57004 W No Money Down* Net 119.95
Deluxe Set of 2-Rear Deck Matched Speaker Systems. Imported. 99 F 62986 Shpg. Wt. 4 tbs.

## LaFAVYETIE Pre-Recorded Long-Play Steree Cassette Tapes



# YOUR 995 



Playable On Stereo or Monaural Equipment
*Includes Side A and B Shpg. wt., 5 oz, ea.

## CLASSICAL MUSIC

28 F 41013 L 1812 Overture/Russian Eastern Overture/Polovetsian Dances/A Night On Bald Mountain-Vienna Symphony Drchestra. Playing Time* 55:36.
20 F 41021L Bolero/Espana Rapsodie/The Sorcerer's Apprentice/ Afternoon of a Faun Vienna Symphony Orchestra. Playing Time* 44:28.
28 F 41039 L Beethoven:-Piano Concerto 5 (Emperor) Alfred Brendel Soloist, Pro Musica Orchestra, Vienna. Playing Time* 38:43.
28 F 414351 Beethoven: Symphony No. 5. Cento Soll Orchestra of Paris. Playing Time * 26:36.
28 F 41450 L Beethoven: Symphony No. 6. "Pastoral", Vienna Symphony Orchestra, Klemperer, Cond. Playing Time* 42:31.
28 F 41443 L Beethoven: Symphony No, 7. London Symphony, Van Remoortel, Cond. Playing Time * $33: 44$.
28 F 41047L Tchaikovsky: Nutcracker Suite: Weber: Invitation to the Dance-Bamberg Sym. Orch. Playing Tlme* 31:06.
28 F 41062 L Tchaikovsky: Symphony No. 6 "Pathetique" Hollreiser, Conductor-Filarmonica Triestina. Playing Time* 44:00.
28 F 41371 Tchalkovsky: Sleeping Beauty Swan Lake Ballet Suites. Vienna Symphony Orchestra. Playing Time* 39:02.
2A F 410541 Rachmaninoff: Plano Concerto \#2-Tchaikovsky: Piano Concerto "1-Felicia Blumental Soloist, Orchester Der Wientr Musikgeselischaft. Playing Time* 61:35.
28 F $41070 L$ Grieg: Peer Gynt Suites-Bizet: L'Arlesienne Sultes, Bamberg Symphony Orchestra. Playing Time* 49:20.
28 F 41344 L DeiFalla: The Three Corned Hat: Vlenta Symphony or chestra. Playing Time* 38:35.
28 F 41351 L Liszt: Piano Concerto No. I \& No. 2. Alfred Brendel, Sololst-Pro Musica Orch. Vienna. Playing Time $37: 18$
28 F 41369L Mendelssohn: Symphony No. 4 "Italian"-Tchalkovsky: Capriccio Italien-Orch. Der Wiener Musikgesellschaft. Playing Time* 41:29.
28 F 41385L Brahms-Ovorak: Hungarian and Slavonic Dances, Bam. berg Sym. Orch. Perlea, Cond. Playing Time * 39:12.
28 F 41468 L Rossini "William Tell" and other Famous Quertures, Bamberg Sym. Orch. Perlea, Cond. Playing Time* 50:22
28 F 41476L Berlloz: Symphonie Fantastique, Bamber Symphony Orchestra, Perlea Cond. Playing TIme* 54:28.

## OPERA

28 F $41393 L$ Vocal Highlights from Aida, Soloists and Orchestra
28 F 41401 L from the Milan Opera. Playing Time ${ }^{*}$ 47:07. Vocal Highlights from Madam Butterfly, Soloists and Orchestra from the Milan Opera. Playing Time* 41:24.

## ORCHESTRATION-BACKGROUND MUSIC

28 F $41252 L$ Under Parls Skies-Roger Lecussand and His Club Lido Orchestra. Playing Time* 25:47.
28 F 41278L The Brave Bulls-La Orchestra de la Plaza De Toros. Playing Time ${ }^{*}$ 25:01.
20 F 41302 L Tribute to Mantovani by the Hollywood String-Lovers of Parls, Lover's Waltz, The Golden Touch, Plus other selections, Playing Iime 24:50.
28 F 41419 L Great Million Sellers: Never on Sunday-Los Espanoles, Vanity-Don Cherry, Peter Gunn-Emoers g Candido, You Made Me Love You Karin Chandier, Greensleeves -Joe Zawinul, plus 5 more hits. Playing Time* 24:03.
28 41427 L Elegant Violins-The Philharmonic Strings, C'est Ci Bon, C'est Magnifique, Isle of Capri, If I Love Again, Lovers Theme, Brahms Waltz plus 5 more selections, Playing Time* 27:24.

[^8]28 F 41088 L Gershwin's Rhapsody in Blue-American in Paris-Lon don Pops Orchestra Playing Time* 30:79.
28 F 11096 L Hits from: My Fair Lady-Camelot-GiGi--Sound of Music-Mollywood Radio City Orchestra and Chorus. Playing Time $26: 35$
28 F 41104 L Hits from Oktahoma-South Pacific-King I-Flower Drum Song-Holiywood Radio City Orchestra and Chorus. Playing Time ${ }^{*}$ 26:06.
28 F 41112 L Hits from Music Man-Can Can Porgy \& Bess-Show-boat-Hollywood Radio City Orchestra and Chorus. Playing lime* 26:36.
28 F aliziot Around the World in 80 Days-Robert Fietding Orchestra. Playing Time ${ }^{-27: 22 .}$
28 F 41138 L Hollywood Strings Play Rogers \& Hammerstein. Playing Time* 28:46.
28 F $\$ 1146 \mathrm{~L}$ Hollywood Strings Play Irving Berlin: Playing Time* 28:19.
28 F 41229 L Great Movie Themes London Pops Orchestra-Exodus, Around the World in 80 Days, Plenic, Moulin Rouge, Merry Widow. Playing Time* 28:51.
28 F 41260 L Hits from Fidder On The Roof. West Side Story, Pal Joey-Hollywood Rafio City Orchestra and Chorus and London Pops Orchestra, Playing Time* 27:53.

## POPULAR, FOLK, JAZ2, ROCK

28 F 41153 L Mardi Gras Time with the Dukes of Dixieland. Playing Time * 36:51.
28 F 41161 L Percussion Espanol-Charlie Fox and Orchestra-Hoot Blues; Guajira, Hollday, Hollywood Cha-Cha, Minor Mambo, plus other selections. Playing Time* 28:18.
28 F 91179 L Big Band Percussion-Francis Bay and Orchestra- When Your Lover Has Gone. The Song is You, As Time Goes By, Bye.Bye Blackbird plus other selectlons. Playing Time * 27:14.
28 F 41187 L Andre Previn Plays: I've Got A Feeling I'm Falling, Black and Blue, Gypsy Dance, Honey Suckie Rose plus other selections. Playing Time 25:54.
28 F 41195 L Herble Mann-HI Flutin*-Herbie's Buddie; Perdido, Baubles, Bangles 8 Beads, Glve A Little Whistle, plus other selections. Playing Time * 32:17.
28 F 41203 L John Gary-New Singing Sensation How Many Tear. drops Must I Shed, One Last Night Together, How Can My Heart Forget You, Little People, plus other selections. Playing Time* 26:08.
28 F 412111 Go Go Discotheque-The Kites-Stomp (Frug), No More (Jerk). Watusi Ball (Watusi), Monkey Mash (Monkey), Baby Love Me More (Mully Gutly), plus other selections. Playing Time* 24:38.
28 F 41237 R Rock \& Roll Guitar-Rhythm, Rockers-Guitar Boogie, Moon Rock, 120 MPH, String Blues, Chick's Song, Picking and Rooking, plus other selections. Playing Time* 26:50.
28 F $41245 L$ Dancelime-Tribute To Glen Miller-Sleepy Town Train, In the Mood, American Patrol, Tuxedo Junction, Green: sleeves, glus other selections. Playing Time* 26:40.
28 F 41286L Pradomanla - Francis Bay Orchestra - Pradomania Mambo No. 5, Aprll In Portugal, Guaglione, Mangas plus other selections. Playing Time 27:00.
28 F $\mathbf{2 1 2 9 4 L}$ Salute to Benny Goodman by the members of the Benny Goodman Band-Jersey Bounce, and the Angels Sing, Let's Dance, Benny Rides Again plus other selections. Playing Time' 25.50
28 F 41310 L Guadalajara Brass-Zorba the Greek, Whipped Cream, A Taste of Honey, plus other selections. Playing Ilme 22:16.
20 F 41328L Psychedelic Rhythm The Cross Fires, Anna, Highland Gultar, Third Man Cha, Cha, Cha, Jaboo plus other
selections, Playing Time $28: 20$.
28 F 41336 L folk Testival on Campus-The Minute Man, Song of Hope, California, Green Grow the Laurels, Scotch and Soda, I'm Comin Home. Playing Time* 34:10. - Includes Side A \& B

## Accessories For Cassette Players and Recorders

## DELUXE CASSETTE TAPE STORAGE CABINET



- Holds Up to 32 Cassettes
- Store in Bookcase or on Wall, on Top of Desk, or Stereo Cabinet
Contemporary styling to fit every home. Beautiful Brazillan grained walnut finish. Attractive burgundy styrene sliding doors. individual tape compartments. Size: $21 x$ $4 \times 7 y_{2}{ }^{\prime \prime} \mathrm{D}$. Shpg. $w t ., 54 / 2 \mathrm{lbs}$.
28 F 78098w
Net 14.95


## SOLID STATE CASSETTE <br> A最 \& FM RADIO TUNERS



AM RADIO TUNER


FM RADIO TUNER


- Converts Most Cassette Tape Recorders and Players into a Sensitive Radio
Miniaturized, solid-state radio tuner circuit with self-contained battery (Included). Same size as any standard blank or prerecorded cassette. Tale it anywhere, play it anywhere. Plays directly through the amplifier and speaker system of your cassette player or recorder. High-impact break resistant case. Size $4 \times 21 / 2 \times 3 /{ }^{\prime \prime}$. Imported. Wt. $1 / 2 \mathrm{lb}$. 28 F 430191 AM Radio Tuner ........ Net 6.95 2 F 43027L FM Radio Tuner ........ Net 12.95


## CASSETTE HEAD CLEANER AND TEST TAPE


$1^{19}$

## 3-in-1 Cassette

1) Tests for Proper Head Alignment
2) Tests for Stereo Balance
3) Cleans Tape Head

Keep your cassette player sounding like new with this professionally calibrated test tape. Cleans tape heads to restore full richness of tone. Checks for proper alignment of heads to ellminate crosstalk. Checks for proper balzence and equalization of channels. Shpg. i 02.

$$
92024
$$

Net 1.49

## CASSETTE TAPE CARTRIDGE STORAGE RACK



Attractively styled wood and masonite cassette cartridge storage rack with simulated walnut vinyl fonish. Has "Lazy Susan" type base for easy access to your cassettes. Size: $77 / 9 \times 778 \times 10^{\circ} H$. Shpg. wt., $33 / 4$ lbs. 28 F 78056w

## Net 10.95

## CASSETTE TEST STROBE


$3^{90}$

Checks your cassette recorder/player for proper speed. Too fast causes flutter; too slow creates tape drag or wow. Strobe tape and light built into standard cassette. For 110 VAC $50 / 60 \mathrm{~Hz}$. Shpg. wt., 5 oz .

## 28 F 72414

Net 3.90

## LAFAYETTE FOOT SWITCH



Gives your cassette recorder the versatility of a dictatling machine. Plays when the foot switch is depressed, stops when released. Simply plugs into "remote" jack. 5 ft . cable with micro-miniature plug. Imported. Shpg. wt. 1 lb .
99 F 15810
Net 3.95

> CASSETTE TAPE HEAD MAINTENANCE KIT


Owly


Keeps head in top operating condition. Contains cleaner. lubricant, appilicators, brushes and convenient storage case.
20 F 78015 Shpg. wt., $1 / 2$ lb...........Net 1.95

## TAPE HEAD CLEANER



Solld wood construction. Durable black allf. gator vinyl covering with attractive red plush interior. Horlzontal storing of cassettes permits immediate visibillity of all titles. Equipped with lock and key and handle. 28 F 78072 Shpg. wt., 34/2 lbs. ...... Net 7.55


Carry your cassette recorder, tapes and ac cessories in one handy case. Rich leather textured vinyl with sturdy compartments in a suede-like finished interlor.
28 F 78114 Shpg. wt., 2 lbs. Net 7.95
UNIVERSAL CARRYING CASE for PORTABLE CASSETTE RECORDERS


Durable black texon carrying case for mos portable cassette recorders. Double adjust able strap. Shpg, wt. 1 lb .
tInside Dimensions of Case.
28 F 27020

## CASSETTE CARRYING CASE



Cassettes
Black vinyl with chrome trim, shoulder strap, and spring snap lock. Dim: $61 / 2 L \times 54 / 2 H \times 3^{\prime \prime} \mathrm{D}$. 28 F 27012 Shpg. wt., 1 lb.

# Lafayette Blank Tape Cassettes 

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


#### Abstract

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


We guarantee absolute satisfaction or your money back. If for any reason you are dissatisfied, return the tape within 30 days and we will refund your money less only transportation charges. You are the sole judge.


## CRITERION DELUXE BLANK TAPE CASSETTES



- Head Cleaning Tape on Each Cassette Super-Calendered Tape to Minimize Wear and Improve Frequency Response
- Sensing Foils to Actuate Machines with Reversing Mechanisms
- With Plastic Album Storage Box
Lafayette's best recording tape cassettes manufactured to our specifications, with extra deluxe features. Deep lubricated. super-calendered tape in an improved black plastic cassette, minimizes tape head wear and provides better low and high frequency response. Head cleaning tape at one end removes accumblated material from recorder heads. Sensing foils at each end actuate recorders having automatic reversing capabilities, but may also be used on all cassette recorders. Comes in hard plastic album storage box. Imported. Shpg. wt., $50 z$.

| Stock No. |  |  | NET EACH |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Model Me. | Playing lime | 1-9 | 10 up |
| $28 F 01298$$28 F 01306$$28 F 01314$$28 F 01322$ | C. 30 | 30 Minutes | 1.23 | 1.11 |
|  | C. 60 | 60 Minutes | 1.50 | 1.35 |
|  | C. 90 | 90 Minutes | 2.40 | 2.16 |
|  | C. 120 | 120 Minutes | 3.18 | 2.86 |
|  | CASSETTE RE-RECORD KIT |  |  |  |

50 reusable plastic erase control tabs to replace removed tabs of permanently recorded cassettes. Replacement labs permit automatic erasure of recordings so that new programs can be recorded. Tab can be removed and replaced at will. In cludes handy toot and instructions. Shpg. wt., 602.
28 F12646
..............
Net .99

## LAFAYETTE ECONOMY BLANK TAPE CASSETTES



## As Low As <br> $69^{c}$

High quality tape assures full fidelity recording. Records and plays 2 -tracks at $1 \% \mathrm{ips}$. Super strang polyester base. Proper lubrication for longer tape life. Protects heads. Imported. Shpg. wt., 4 oz.

|  |  |  | NET EACH |  |  |
| :--- | :--- | :---: | :---: | :---: | ---: |
| Stoch No. | Model No. | Playing Time | $\mathbf{1 - 2}$ | $3-9$ | 10 Up |
| $28 F 01280$ | $C .30$ | 30 Minutes | .99 | .79 | .59 |
| $28 F 01223$ | $C .60$ | 60 Minutes | 1.19 | .99 | .09 |
| $28 F 01207$ | $C .90$ | 90 Minutes | 1.99 | 1.79 | 1.59 |
| $28 F 01215$ | $C .120$ | 120 Minutes | 2.49 | 2.19 | 8.99 |

CRITERION ${ }^{\text { }}$ C-6OUD HI-FI CASSETTE


As Low As


In Lots of 25 - Wide Dynamic Range-$30-20,000 \mathrm{~Hz}$ Response - Low Noise-High Output - Super-Calendaring Minimizes Wear and Improves Frequency Response

- Head Cleaning Tape on Each Cassette
- Sensing Folls to Activate Machines With Reversing Mechanisms
This Lafayette 60 minute ultra-cynamic hi-fl cassefte is the only one having all of these deluxe features and represents the peak of cassette excellence. Advanced oxide formulation provides a wide dynamic renge with a frequency response of $30-20,000 \mathrm{~Hz}$. The low noise, distortion-free high output results in the highest performance that can be expected of a cassette tape. Each tape has a section of head cleaner at one end and sensing foils at each end to actuate equip. ment having automatic reversing capabilities, but may be used on alf cassatte recorders. In hard clear plastlc hinged album storage box. Imported. Shpg. wi., 5 oz . 99 f 15851


Every owner of a cassette tape system should have this tape. Tests and balances your equipment for optimum audio reproduction. The test portion of this tape includes checks for speaker phasing, channel separation and balance. Checks for Wow and Flutter. The demonstration portion of this tape demonstrates the dynamic range of your sound system and includes sound effects and excerpts from Gayne Sulte by Khachaturian. In durable clear plastic box. Shpg. wt. ${ }^{4} 02$.
28 F 01397
Net 2.95

TDK HI-FI CASSETTES

- Low Noise level.
- Frequency Response $30-20,000 \mathrm{~Hz}$.


This 60 minute hi-fi tape uses a new Ram ma ferric oxide developed for high-density recording. The wide dynamic recording range $32-20,000 \mathrm{~Hz}$. Makes avallable low noise, distortion-free output for the hirhest performance that can be expected of a cassette tape, Imported. Shpg. wt., 5 oz.
28 F 01249
Net 2.99

## 90 MINUTE C-90SD

A 90 minute cassette having the same high quality characteristics. specificatlons and performance as the C-6050 cassette above. imported
28 F 01363 Shpg. wt., 5 oz.
Net 3.95

PLASTIC CASSETTE STORAGE BOX
Snap-open plastic box for individual cassettes. Clear hinged cover for instant identiflcation. Built-in stops prevent tape slack and unwinding. Shipg. wt., 3 oz . 28 F 17654 Net ea. . 25 Lot of 5.99
CASSETTE TAPE SPLICER


Sturdy precision instrument for use in all splicing and editing of cassette tapes. Shpg. wit. 7 oz.
28 F78080
Net 1.95

(c)
(D)


CASSETTE ANO CARTRIDGE 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 V ., $50 / 60 \mathrm{~Hz} \mathrm{AC}$.
(A) TMC-1 for Cassettes. Shpg. wt., $21 / 2 \mathrm{Ibs}$. 28 F 72265

Net 12.59
(B) TMC- 2 for Cartridges.

28 F 72273 Shpg. wt., 4 lbs.
Net 18.90
(C) TMC. 3 UL Iisted Professional Bulk Eraser for Cartridges. Shpg. wt., $93 / 4 \mathrm{lbs}$. 28 F 72281

Net 34.65

CASSETTE RECORDER AND CARTRIDGE PLAYER HEAD DEMAGNETIZERS, Recommended by equipment manufacturers to remove excessive magnetic buildup on heads. Use every $\mathbf{1 5 - 2 0}$ hours of player use, Built-into Cassette and Cartridge.
(D) To-10 for Cassette Players. Built-in pilot light. $110 \mathrm{v} ., 50 / 60 \mathrm{~Hz}$ AC. Wt., 702. 28 ₹ 72299 .... ......................... Net 5.99 (E) T0- 12 for Mame Cartridge Players. 110 V . $50 / 60 \mathrm{~Hz}$ AC. Shpg. wt., 11 oz . 28 F 72307

Net 8.45 T0.15 for Auto Cartridge Players. (Not illus.). 12 Volt DC model. Wt., 10 oz . 28 F 12315


TT-15 Splicing patelres for splicers. Pre-cut self-stick. Pkg. of 100 . Wt., 2 oz. 28 F 72380

Net 99

CASSETTE TAPE SPLICERS. Protessional edit ing and repairing of Cassette 150 tapes are now possible. Strip in sound effects and passages into existing tapes, repair broken tapes. etc.
(F) TS.115 Economy model "Cut-N-Splice." Cuts at $45^{\circ}$ angle. 25 pre-cut, self-stick splicing patches included. Shpg. wt., $50 z$. 20 F 72356

Net 2.99
(G) TS. 215 Precision pocket size splicing block with choice of elther $45^{\circ}$ or $90^{\circ}$ angle cut. Block comes in self-contained plastic carrying case with cutting blade and 25 precut splicing patches. Wt., 5 oz . 28 F 72364

Net 6.29
CASSETTE AND CARTRIDGE TEST STROBES. With Strobe Tape and Light built-in. Check your player/recorder for proper speed. Too fast produces flutter. Too stow, creates tape drag or wow. 110 V. 50-60 Hz. A.C.
(1) TSC-9 Cassette. Shpg. wt., 6 oz: 28 F 72414

Net 3,90
(W) TSC-8 8-Track Cartridge. Shpg. wt. 802 28 F 72422

Net 4.75

(1)

(0) TSA-12 BO0K TYPE CASSETTE STORAGE album. Holds 12 Cassettes neatly in re cessed compartments. Shpg. wt., 11 oz. 28 F 72489

Net 2.29
TSK-2 CASSETTE SOUNO SALVAGE KIT. (Not illus.) Restore valued recorded tapes in broken or damaged Cassettes to original operating state. Mit has complete Cassette housing and parts with simple illustrated instructions for salvaging tape and assembling cassette.
28 F 72562 Shpg. wt., 402. ...............Net .75 TSP-140 CASSETTE SENSING AND CUEING TAPE. (Not illus.) Aluminum foll tape can be cut to any length and placed on any desired section of cassette tapes to cue automatic stop. reverse, and other electronic sensing controls. $140^{\circ \prime} \times 150^{\prime \prime} \mathrm{L}$.
28 F 72570 Shpg, wt., 302.
Net 1.85

TBT. 8 "PRE.TEST" 8.TRACK CARTRIDGE. (Not illus.) Special limited length blank test tape permits rapid check of recording program. 28 F 72612 Shpg. wt., 602 ........Net 2.19 TRL-E 8-TRACK CARTRIDGE TITLE LABELS. (Not illus.) Replace worn labels. Color-code tapes by category. Package of 20 , self-stich. in 5 colors.
28 F 72620 Shpg. wto, 402.
Net 1.19
THC. 7 CASSETTE HEAD-MLEEN TAPE. (Not IIlus.). Safely cleans and polishes player heads. Removes accumulated oxides and other particles to maintain top sound performance. Shpr. wt., 3 oz.
28 F 12349
Net 1,49
TCW-2 CASSETTE TAPE TENSIONING WINO. ERS: (Not Illus.) Set of two winders. Insert in holes of Cassette. Winds in either direction to take-up slack and unravel tape.
28 F 72398 Shpg. wt.. 3 oz.
Net 96
(I) TK. 3 CASSETTE AND CARTRIDGE PLAYER/ RECORDER HEAD-KLEEN KIT, 2-02, bottles of Head Cleaner, Head and Guide Lubricant, and 25 extra-long Cleaning Swabs for cleaning and lubricating hard to reach parts of equipment. Shps. Wt., 11 oz.
28 F 72406
Nef 1.44
THS-1 HEAD-KLEEN SPRAY. (Not illus.) For Cassette and Cartridge Tape Players/Recorders. 4 o2. Aerosol formula Cleaner removes all oxide and other particles from heads to improve sound performance. Has extension nozzle for hard to reach heads.
28 F 71945 Shpr. wt., 602.
Net 1.35
H) CA. "CARTRIGGE" COMPACT CARRYING CASE. Attractive, low cost, heavy duty vinyl, alligator grain, carrying case. Stores 128 track cartrldge tapes. Ideal for home, auto, outdoors.
28 F 7258 shge. wt. 1 tb. .......... Net 3.29

(L) PHONE PICK.UP TRP-4. Record phone conversations with friends and relatives. At. taches by suction cup to receiver of phone. Plug attached. Simple, easy to use.
28 F 72430 Shpg. wt., 3 oz.
(M) TCA-8 8 TRACK CARTRIDGE TAPE ALBUM. Stores 88 -track cartridges in their original canisters or packs. Ideal for bookshelves. 28 F 72596 Shpg. wt. $11 / 2 \mathrm{lbs}$..... Net 3.69
(N)TK-36 CASSETTE TAPE EOITING KIT. Has TS-115 "Cut-N-Splice" splicer; 25 splicing patches. TCW-2 cassefte tape tension winders supply of TCL-20 color-coded self-stick cassette replacement title labels. TL-80 color-coding numbered index spots, and TCL30 color coded owner identification cassette end labels. An excellent value. 28 F 72604 Shpg. wt., 80 oz.

Net 5.69


TCM- 1 CASSETTE MAINTENANCE AND STOR. Age Case. Hold 10 Cassettes, Head Demagnetlizer, "3-in-One" Head Clean and Test Tape, 240 Color-Coded Index Spots and $\log$ Book. Shpr. wt:, 1 lb.
28 F 72471 (Not illus,) Net 10.49

(P) CASSETTE ANB CARTRIDGE COLOR-CODE LOG KIT. TK-35. Gatalog and Index your tapes by category: Red-Jazz, Yellow-Shows, etc. Kit contains: 120 page log book, 240 numbered index spots in 2 sets, 120 title labels, all self-stick. in 5 basic Colors.
28 ₹ 72539 Shpg. wt., $3 / 4$ lbs. ...... Net 3.15 (Q) CASSETTE COLOR-CODE REPLACEMENT fitle labels, tcl-20, Self-stick, die-cut to fit Cassettes. Pkg. of 20 in 5 Colors. 28 F 72547 Shpg. wt., 302. ...........Net . 96 (R) CASSETTE OWNER IDENTIFICATION END LABELS, TCL.30. Printed "Property Of-" Apply to Cassette end for identification of ownership. Package of 30, self-stick. 28 F 72554 Shpg. wt., 202.

Net . 89 TL. 80 CASSETTE, CARTRIDCE, AND CANISTER INOEX SPOTS. (Not illus.) 240 self-stick Spots, 2 sets, numbered 1 to 24 in 5 Colors Index tapes and their matching canisters. 28 F 72075 Shpg. wt., 3 oz. Net 96 8-Track Pre-Recorded Stereo Tape Cartridges

28 F 04006 THIS IS BROADWAY-My Fair Lady Overture, Woułdn't it Be Lovely, The Rain in Spain, I Could Have Danced All Night, plus many more.
20 F 04094 MUSIC FROM WEST SIDE STOBY: Hollywood Radio Clty Orchestra \& Singers, London Pops Orchestra, Hollywood Light Opera, At Goodman Orchestra.
24 F 04102 MUSIC FROM CAMELOT: Hollywood Radio City Orchestra \& Singers, London Pops Orchestra, Hollywood Light Opere, Al Goodman Orchestra.
28 F 04110 MUSIC FROM SOUNO OF MUSIC: Hollywood Radio City Orchestra \& Singers, London Pops Orchestra, Hollywooc Ught Opera, Al Goodman Orchestra.
23 F 04128 BIG BAND ERA.Charlie Barnat, Woody Merman, Jite Puente, Bobo Valdez, Erni Wilkins; Stardust, Canedian Sunset, Southern Fried, Serenade to May, and others.
28 F 04136 IT MAPPENED IN MONTEREY (IAZZ) VOL I-Duke Ellington: Take The A Train, Solitude, others.
28 F 04144 IT HAPPENED IN MONTEREY (JNZZ) VOL, II-mHes Davis, Art Pepper, Bab Cooper: Blue Bird, Moment's Notice, Stable Mates, and others.
20 F 04151 SILK, SATIN, AND SThings: Velvet String orimestraJalousie, Sleepy Lagoon, Holiday for Strings, and others.
28 F 04169 DANCING AND DREAMING VOL. 1-Yelvet strings orches. Ira: Somebody Loves Me, The Way You Look Tonight, The Breeze and I plus others.

## Lafayette Classical Pre-Recorded 8-Track Stereo Tape Cartridges



## As Low As $2_{\text {ea. }}^{95}$ <br> - Twin Pack

20 F 04177 DANCING AND DREAMING VOL. II-Volvet strings orchestra: Just One of Those Things, Last Time I Saw Paris, plus others. 25 F OqOO3 BEETHOVEN SYMPHONY NO, 9 "CHORAL", LONdon Symphony Orchestra, Joseph Krips, Conducter.
20 F 04011 BEETHOVEN SYMPHONY NO. 1 AND BEETHOVEN SYMPHONY NO. 5, London Symphony Orchestra, loseph Krips, Conductor. 2E F 04029 DVORAK: NEW WORLO SYMPHONY NO, 5, London Symphony Orchestra, Leopold Ludwis, Conductor, STRAUSS-TILL EULENSPIE. GELS' MEREY PRANKS, Stadium Symphony Orchestra of N.Y., Leopold Stokowski Conductor.
28 F 04037 SMETANA: The Moldau Austrian Symprony Orchestra, TCHAIKOVSKY - THE NUTCRACKER SUITE - London Symphony Orchestra.
28 F 04045 MUSSORGSKY: PICTURES AT AN EXHIBITION and RESPIGHI: PINES OF ROME. London Symphony Orchestra, Malcelm Sargent, Condector.
28 F 04052 MOZART: EINE KLEINE NACHTMUSIK-Viennese Chamber Orchestra and BARTOK: CONCERTO FOR ORCHESTRA-Houston Symphony Orchestra, Leopold Stokowswi, Conductor.
28F040E0 RESPIGHI - FOUNTAINS OF ROME - London Symphony Orchestra, Margent-Conductor. SIRAUSS. DON JUAN Stadium Symphony Orchestra, of N.Y. Stokowski-Cond, DEBUSSY: IBERIA, Rochester Philharmonic Orch., WAGNER: GOOO FRIDAY SPELL, Houston Symphony Orchestra.
23 F 04078 RIMSKY-KORSAKOV-SCHEHCRAZADE LONdON Symphony Orchestra-moosen, Conductor and KHACHATURIAN: GAYNE SUITE, London Symehony Orchestra, M. Sargent-Conductor.

# Big Name Pre-Recorded Long Play <br> 8-Track Stereo Tape Cantridges 



## Only 995 59.

## New Releases

21 F 44231 Today's Pops \#2-Midnight Cowboy; Raindrops Keep Falling, Jean, plus others.
28 F 44249 Today's Pops $\# 3$--Bridge Over Troubled Waters, If I Were A Carpenter, Kentucky Rain, plus others.
21 F 44264 The Music and Songs from "Hair."
Pops, Country and Western
28 F 44009 Todays Pops $\$ 1$ - Hey Jude: Those Were the Days; Abraham, Martin and John, plus 7 more
20 F 44017 Nitty-Gritty Guitar of Mason Williams, Glen Cambell, Bill Strange, 12 String Gultar Band
28 F 44025 Frank Sinatra Nevertheless I'm in Love with You. 28 F 44033 Sergio Mendes Trio-So Nice.
20 F 44041 Nat King Cole-Love is a Many Splendored Thing.
28 F 44058 Nat King Cole-Stay as Sweet as You Are.
28 F 44066 Dean Martin-Young of Foolisn
2s F 44074 Oean Martin-I Can't Give You Anything But Love. 28 F 44082 backie Gleason-The More I see You.
28 F 44090 Pete Fountain-New Orleans Style.
28 F 44108 Harry James - You Made Me Love You
28 F 44116 Glen Cambell-A Satisfled Mind.
28 F 44181 Fatsy Cline-I Can't Forget You.
28 F 44199 Tennessee Ernie Ford-ICan'1 Heip It if I'm Still In Love with You.

## VIVID SOUNDS-Country \& Western Prerecorded 8-Track Stereo Tapes

[^9]Those Were The Days, This Guy's In love What the Worl Noeds Now, Love is Blue, Walk on By, plus more.
20 F 17062 Shpg. wt. 10 oz $\qquad$ Net 2.98

Net
Beethoven Sym. No. 6 "Pastoral" Vienna, Orch. Memperer Cond 20 F 405101 Shpg. wt., 8 oz.

Net 2.95
Beethoven Sym. No. 7 London Sym., Orch. Van ReMoortel Cond,
28 F 40528 L Shpg. wt. 802.
Berlioz Sym. "Fantastique" Bamberg Symphony, Orch. Perlea Cond, 25 405sil Shpg. wt., 1 ib. .......a...................................... Net 3.29 - 1812 Overture, Russian Easter Overture, Polovetslan Dances, A Night on Bald Mountain. Vienna Symphony Orchestra.

## 2. F 4056 s

*Rachmaninoff Plano Concerto No. 2; Tchaikovsky Plano Concerto No. 1. Felicia Blumental solist. Orchestra Der Whener Musikgesellschaft. 2* F 40577 L Shpg. wt., 1 lb .

Net 3.29
俍 Cento Soli Orchestra of Paris. Shpg. wt., 8 oz.
28 F 40536 L
Net 3.29
Bamberg Symphony Orchestra. Shpg, wi., 802.
28 F 405441
Net 3.29
Great Movie Themes-Exodus, Around the World in 80 Days, Picnic, Moullin Roure, Merry. Widow. London Pops Orchestra. Shpg. wi., 802. 2 F 40585 L. Net 2.95
Hits from Broadway Shows-My Fair Lady, Camelot, Gigi, Sound of Music. Hollywood Radio Clty Orchestra. Shpg. wt., 8 oz.

Net 2.95

## VIVID SOUNDS - Those Were The Days <br> PRERECORDED 8-TRACK STEREO TAPE

## Columbia Orch, and Chorus

Depend on Lafayette. For Complete Stocks, Lowest Prices, F'astest Service

## 8-Track Recording Tape, Test Tapes and Accessories

## Lafayette 8-Track Cartridge <br> Mylar Recording Tape



NEW
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, precision molded tape guide. Shpg. wt., $6 \mathbf{o z}$.

| Stock <br> No. | Record |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Time | 1.5 | Net. Ea | 6-1t | 12 up |
| 28 F 01330 | 30 Min. | 1.69 | 1.49 | 1.29 |
| $28 F 01348$ | 60 Min. | 1.95 | 1.79 | 1.49 |
| 26 F 01355 | 80 Min. | 2.25 | 2.05 | 1.65 |

Lafayette 8-Track Tape Head Demagnetizers


A must for all owners of 8 -track tape cartridge recorders and players. Removes excessive magnetic build-up on heads. Use after every 15 hours of player use. Shpg. wt., 1 Ib. imported.
For 117 VAC Home Plavers

## 99 F 15091 <br> $\qquad$ <br> Net 3.95 <br> For 12 VOC Car Players <br> 99 F 15422 <br> Net 5.95

## Scotch 8-Track Cartridge

Polyester Recording Tape

For use with all standard 8-track stereo tape recorders. 1 mil tensllized polyester. Includes cardboard storage half box and indexing label, Shpg. wt., 6 oz .

| Stock No | Typo | Record | Met ea. <br> 1.11 <br> 12 -up |  |
| :--- | :--- | :--- | :--- | :--- |
| 28 F 33481 | S.8TR-40 | 40 min | $\mathbf{2 . 1 7}$ | $\mathbf{1 . 9 7}$ |
| 28 F 33499 | S-8TR-80 | 80 min. | 2.53 | $\mathbf{2 . 2 7}$ |

Lafayette 8-Track Equipment Check Out and Demo Tape


NEW $2^{\text {s }}$

- Tests And Balances Your Equipment
- Excerpts From Gayne Suite
Every owner of an 8 -track tape system should have this tape. Tests and balances your equipment for optimum performance. Test part of tape includes: Speaker phas. ing. channel separation check, balance check, wow and flutter check. Demo part of tape includes excerpts from Gayne Suite by Khachaturian. Shpg. wt., $8 \mathbf{0 z}$. 28 F 01371


## 8-Track Test and Head Cleaning

 Tape Cartridge1) Tests For Proper Head Alignment
2) Tests For Stereo Balance
3) Cleans Tape Head

Keep your stereo 8 -track tape player soundIng new with this professlonally calibrated test tape. Cleans tape and restores full richness of tone. Checks for proper alignment of heads to eliminate crosstalk. Checks for proper equalization of channels. 28 F 92016

Net 1.49

## 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, Iubricant, 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 trach systems. Shpg. wt., $1 / 2 \mathrm{ib}$. 28 F 78015

Net 1.95

## Automatic 4-Track Tape Cartridge Adapter



$2^{9}$95

- Permits 4-Track Tape Cartridges To Be Played on 8-Track Tape Players
Universal adapter that turns any 4-track cartridge into an 8 -track cartridge. Simply Insert adapter into your 4-trach cartridgecan easily be moved from cartridge to cartridge. Shpg. wt., 6 oz . 17 F 26132

Net 2.95

## Lazy Susan Type 8-Track Tape Cartridge Storage Rack



## Only 995

## - Holds Up To 48 Tapes

- Lazy Susan Type Base

Easy access to your 4 and 8 -track tape cartridge. No more misplaced tapes. Attrac tively styled wood and masonite storage rack with simulated walnut vinyl finish. Has "Lazy Susan" type base. Holds up to 48 tapes. Size: $94 / 2 \mathrm{~W} \times 91 / 2 \mathrm{D} \times 12 \frac{1}{2}{ }^{\prime \prime} \mathrm{H}$. 28 F 78049w Shpg. wt., 8 lbs. Net 10.95

## 8-Track Tape Head Cleaning Cartridge



01 Autonatically Cleans
Tape Head
A must for removing coating deposits from tape heads to restore high frequency response and volume. For use in any 8 -track player accepting 8 -track cartridges. Easy to use and reuse. Simply run the cartridge for a short period.
28 F 12923 Shpg. wt., 802.
Net .99

# Deluxe 8-Track Tape Cartridge <br> Storage Cabinet 



Deluxe storage cabinet can be placed in a bookcase, on top of a desk or stereo cabinet, or mounted on wall. Beautiful Brazlitian grained finished walnut wood construction with attractive Burgundy styrene doors. Individual tape compartments. Size: $24 \times 63 / 4 \times 71 / 2^{\prime \prime} \mathrm{D}$. 28 F 78106 w Shpg. wt., 8 lbs. Net 14.95

## Accessories For Car 8 Track Stereo Tape Players

## UNIVERSAL LAFAYETTE HOME POWER SUPPLY FOR CAR TAPE PLAYERS

Enables You to Play Your 8-Track or Cassette Car Player in Your Home

## $16^{95}$



- Converts 117VAC to 12VDC

Play your 8-Track car stereo tape player in your home or office on household current. Converts . 117 VAC to 12 VDC .4 .5 amp . output. very low ripple. Grey hammertone metal cabinet. On/off switch. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt. 4 lbs .

## 17 F 01853

Net 16.95

## MOBILE BURGLAR ALARM FOR CAR TAPE PLAYERS AND RECORDERS

- Prevents Theft of Your Player
- Solid State Integrated Circuit
- For 12 V. Negative or Positive Ground

Protect your car tape player. Burglar alarm connects to your horn and tape player. Horn automatically blows when someone tries to steal your player. Two-way switch permits you to remove your player without sounding alarm. Features reliable, solid-state IC circuitry. Complete with instructions, wire and mounting hardware. 42.571011 Shpg. wt., 3 oz.

Net 4.95

## "STEREO 8" TAPE CARTRIDGE PLAYER HEAD DEMAGNETIZERS

As Low As


Maintain the sound quality of your tape player. Prevents background noise and sound distortion. For car tape players-halps prevent strong magnetic fields from (generator, starter, efc.) distorting part of your tapes. Imported. Shpg. wt. 1 tb.
28 F 78023 For Car Players-Plugs into Lighter $\qquad$
$\qquad$ Net 4.25 28 F 78031 For Home Players-For 115 volts 60 Hz .
 Net 3.50

## CARRYING CASE FOR 8-TRACK TAPE CARTRIDGES

- Holds up to 10 Cartridges
$2^{65}$
Keep tape cartridges for your car neat, orderly, dust free. Compact, $9 \times 6 \times 6^{\prime \prime}$ case stores 10 tapes of any standard brand. Shpg. wt., 2 lbs. 28 F 20124


## DELUXE CARRYING CASE FOR 8-TRACK TAPE CARTRIDGES

## - Holds Up To 24 Cartridges <br> 

Deluxe Lafayette all wood carrying case. Measures $171 / 2 W x 61 / 2 \mathrm{Hx} 71 / 2^{2} \mathrm{D}$. Black simulated alligator vinyl covering. Felt inserts, brass fasteners. and handle. Shpg. wt., 4 lbs.
28 F 78064W
Net 7.95

## FM TUNER CARTRIDGE FOR 8-TRACK CAR TAPE PLAYERS

- Turns Your 8-Track

Tape Player Into an FM Car Radio

Converts any car, boat or home 8 -track tape player to am FM radio with full, rich sound. Solid state circuitry with 8 transistors. Builtin AFC locks in stations. Precision slide rule tuning dial. Tuning range: 88-108 MHz. Imported. Shog. wt., I ID.


With Antenna 17 F 61006t

Net 19.95
and Battery
99 F 60212 Extra 9 V battery ....... Net 21

## AUTOMATIC FMXX-8401 UNIVERSAL FM STEREO TUNER CARTRIDGE

## SALE $49^{95}$

 WAS 54.95 1970 cat. 700 No Money Down ${ }^{*}$- Convèrts 8-Track and Compatible 4 and 8-Track Car Tape Players into an FM Stereo Radio
Listen to rich stereo FM radio broadcasts in your car. Will operate without modifications to your present car tape player. Stereo Beacon light Indicates when an FM stereo program is beling broadcast. Features roll tuner for smooth, accurate station selection. Solld state circuitry with 14 Iransistors and 14 diodes for optimum sensitivity and selectivity. Also provides excellent reception of monaural FA broadcasts. AFC provides drift-free performance. Operates on 12 VDC negative ground car baltery electrical source. Whth antenna lead. Size $4 \mathrm{~L} \times 70 \times 11 / 2^{\prime \mathrm{H}}$. Imported. Shpg. wt., 1 lb .
17 f 26348 L
Net 49.95


## LAFAYETTE "STEREO VERB" SOLID STATE REVERBERATION SOUND SYSTEM

For Stereo Tape Players


- Add 3-Dimensional Reverberation Sound to your

Car Stereo Tape Player or Car FM Stereo Radio

- Convenient Under Dash Mounting
- Tuneable-Controls Amount of Reverberation

Greatly enhance your car stereo tape and FM stereo radio listening pleasure. Add a third channel 3-Dimensional reverbertion output. Multiple controls are provided for voluree, balance, and amount of reverberation Completely compatible-includes switch which permits use of revero amplifier with car stereo equipment or car monaural AM and FM Radios. Complete system includes tuneable dual input reverberation ampllfier, $6 \times 9^{\prime \prime}$ dynamic speaker and chrome grill for rear seat mounting-and all connecting cables. Amplifier mounts easily under dash. For 12 volt negative ground systems. Size: $71 / 4 \mathrm{~W} \times 15 / 3 \mathrm{H} \times 51 / 2^{\prime \prime} \mathrm{D}$. Wt., $51 / 2 \mathrm{lDs}$.
17 F 01705
Net 29.95

## LAFAYETTE Recording Accessories



## HAND HELD BULK ERASER

- Utmost Versatility-Demagnetizes Cassettes, Cartridge all Size Reels and Equipment

Easily erases tapes or sound films regardiess reel size. Convenient comfortable han held de 95 sign. Also demagneltes capstans, than new' tape Safe, durable plastic case and control switch. High Intensity field with low power consumption. 28 F 30016 Shpg. wt. $23 / 4$ lbs. Net 10.95
LAFAYETTE TAPE HEAD DEMAGNETIZER


DELUXE MODEL WITH SWITCH
Pencit shape he demannetizer with one extend Pencil shaped head demagnel to reach all heads in ang probe. Styling aliows you fortions. Features switch control ... no need to leave unit on constantly. Turn on when needed and off to conserve unit's ife. Operates ont., 0 . ard 110.120 VAC 60 Hz . Imported. Shps. We'. Net 2.95

## TAPE CLEANER

ape is impregnated with special formula cleaner Simply run through like regular roll of tape. Entire Shpg. wi., 5 oz
28 F 20017 Tape Cleaner on $5^{\prime \prime}$ reel - Net 1.8 28 F 20025 Tape Cleaner on $3^{\text {" }}$ reel _......Net . 99

## 1200 FT. LEADER TAPE

ON 7 INCH REEL
Lafayette brings you this jumbo reel of reader tape at a tremendous savings over the cost of leader
 mil mylar tape. 1200 ft. Xljuily woxed. Shpg. Wt., $3 / 4 \mathrm{lb}$. 71017
28 $\qquad$ Net 2.69

## TELEPHONE PICKUP COIL

Designed to feed into the microphome input of a tap recorder or any high gain ampllfier, Easily attached to the telephone by rubber suction-type attachment. 1 m | ported |
| :--- |
| 99 |
| 9 |



# Tape Recording Accessories 

## COUSINO AUDIO VENDOR

Endless tape loop magazines provide continuous play. Ideal for sales messages, language study. sleep learning, exhibits, etc. Fits most standard recorders. Running time in minutes at 33 m ips. Counterclockwise. 1500 Series $2 \%{ }^{\prime \prime}$ dia.a 1310 Series $3 \% \%^{\prime \prime}$ diam. 1210 Series 5K" dia_ Avg. wt., 502.



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

12 dust-free, moisture-proof unbreakable styrene tape cans in storage chest. Can has foolproof twist lock feature and is ribbed for convenient stacking. Center locking stud prevents reel movement on all $7^{\prime \prime}$ reels and most $3^{\prime \prime \prime}$ and $5^{\prime \prime}$ reels. Shpg. wt. $41 / 2 \mathrm{lbs}$.
28 F65103w
28 F 65111 wt., 6 oz.

TWISFLOCK CNNS ONLY
lots of 6 ea. 40
Net 4.75
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 allizator clips at one end and RCA phono dlur at the other. Supplied with shielded phono plug adapter to adapt the RCA phono plur to standard phono plug if necessary. Attach allifator clips to speaker terminals and simply plus other end into tape recorder. Ideal for recording from Radio. Phono or TV. Imported. Shpg. wt. 502.

Net .79
99 F 15174

## LAFAYETTE STEREO RECORDER PATCH CORD



Ideat for making tape recorder connections from stereo receivers, tuners and amplifiers having front panel tape output jacks. A convenient 6 fool cable has $\$$ tereo 3 conductor phone plug at one end and two standard color coded RCA type phono plugs at the other. Insert phone plug into front panel tape output jack of receiver, tuner or amplifier and connect phono plugs to inputs of tape recorder for convenient connection. Imported. Shpg. wt., 5 oz .
99 F 63364
Net 1.15

## HEAD AZIMUTH ALIGNMENT TAPE



For accurate alignment of recorder heads for maximum sound output. 100 ft. on $2 \frac{1}{2} 2^{\prime \prime}$ reel. Tape has 6 kHz steady tone in either direction. Instructions included. Shpg. wt. 3 oz . wt. 281184

Net 1.25


Eliminates awkward fumbiling. Place tape against reel, slip threader on - turn crank-tape is threaded. Use with all $5^{\circ}$ and $7^{\prime \prime}$ reels. Shpg. wt., 3 oz .
28 F 60211
Net .85

CLEAR PLASTIC REELS


As Low As 9 c
IN LOTS OF 4
Sturdy non-warp plastic reets for recording tape. At clear except high Impact milhy plastic. Avg. Shpg. wt., 4 oz., singly. 28 F $230523^{\text {¹ }}$ reel ${ }^{\prime 2}$ $\qquad$ lots of 4, Ea. . 09
28 F $2301131 / 4^{* *}$ reel Singly, Ea. 10
 $\qquad$ ts of 4, Ea. . 14 28 F $230295^{\text {5 }}$ reel $\qquad$ Sinfly, Ea, .17
lots of 4, Ea, 22 28 F $230377^{\prime \prime}$ reel $\qquad$ Singly, Ea. 24 SingJy, Ea. . 29

## LOW TORQUE REELS

Professional type clear plastic reels with large hubs for smooth tape feed and re. duced flutter. Shpg. wt., 5 oz . ea. $5^{\prime \prime}$ Low Torque Reel Holds $400 \mathrm{ft} .13 / 2 \mathrm{mil}$, $600 \mathrm{ft} 1 \mathrm{mil}, 800 \mathrm{ft} .1 / 2 \mathrm{mil}$ or 1200 ft . $1 / 2 \mathrm{mil}$ triple play tape.
21 F 23060
lots of A, Ea. . 36 Singly, Ea. . 39 $7^{\prime \prime}$ Low Torque Reel-Holds 960 ft . $11 / 2 \mathrm{mil}$, $1440 \mathrm{ft} .1 \mathrm{mil}, 1920 \mathrm{ft}$. $1 / 2 \mathrm{mil}$ or 2880 ft . $1 / 2 \mathrm{mil}$ triple play tape. 28 F 23045
lots of 4, Ea. . 45 SIngly, Ea. . 49


Checks speed, timing, wow and fiutter. For $71 / 2$ IPS. Accurate within $1 / 10$ of one per. cent. Shpa. wt., 2 oz. 23 F 50014

Net .98

## REUSABLE CLEAN-LUBE

 CLOTHSProtects recording tape by
 depositing a slicone film. Eliminates tape squeal \& chatter. Cloths are washable. Pkg. of 3 cloths. Shpg. wi., 4 oz. 28 F 72638

Net .69
REEL LOCKS


Set of Two
Holds tape recorder reel in place by locking spindle to reel. Especlally useful if recorder is in vertical position. Will not interfere with normal operation of reels. Easily removable. Imported. Shpg. wt., 3 oz.
99 F 15190 Set of two
Net 45

METAL STORAGE CANS
 $18^{\text {c }}$
Lots of 6
Cans are ribbed for easy storage. Precision fit. Baked enamel finish. Av, wt., 6 ozs.
28 F 63058 3-Can $\qquad$ lots of 6, Ea. 18 Singly, Ea, 20
28 F $630665^{\text {º }}$ Can $\qquad$ lots of 6, Ea, 30 Singly, Ea. . 33
28 F $630747^{\circ}$ Can $\qquad$ lots of 6, Ea. 35


STANDARD CASE: Sturdy all steel carrying case. Holds $127^{\prime \prime}$ reels and cans. 7win snap locks. Platinum gray hammerloid finish. Metal separators. Index carts.
28 F 15017 Shpg. wt., $43 / 4$ lbs.
Net 3.49 deluxe case: Holds $127^{\prime \prime}, 5^{\prime \prime}$ or $3^{\prime \prime}$ intermixed reets and cans. Finger touch roll-out action, drop-front with spring lock. Exterior and interior index.
28 F 15025 Shpg. wt.. $77 / 4$ lbs. ...... Net 6.50


All you need for a complete professional editing job. The cutting bloch is made of duraluminum precisely machined and potished (makes stralght or diagonat cut). All accesseries such as grease pencil, blades, splicing tape (66 tt. roll of //a") supplied. Comes with instruction bookle1-in a smart plastic case. Sapg. wt. 7 oz.
28 F 38050
Net 10.00

## 明运 EDITALL KP-2 TAPE EDITING And SPLICING KIT

Easy to use, makes perfect splices without trimming or damage. Complete kit consists of editall plastic block, 30 pre-cut editab splices, cutting blade, grease pencit, instruction booklet and tape guide. Shpg. wt., 4 oz . 28 F 38058

Net 3.50
Package of 50 pre-cut Editab splices.
28 F 38076 Shog. wt., 3 oz. ............Net 1.50
Lafayette Cat. No. 710

# ROBIN S® TAPE SPLICERS AND EDITING ACCESSORIES 


(A) TK-S COMPLETE TAPE EDITING WORKSHOP. Tape Winders for reels to $T^{\prime \prime}$, Deluxe Tape Splicer with Solicing Tape. Sturdy walnut grained base has Calibrated Tape Timing and Editing Scale. Editing Pencil and Editing Gulde Book included
28 F 71069 Shpg. wt., $23 / 4 \mathrm{lbs}$. ...... Net 15.75
(B) TS-SD DELUXE STEREO SPLICER. Precision diagonal cut and "Gibson GIrl" trim. "Seethru" windows show "Cut" and "Trim." Tape guide and fingers secure tape. Tape dispenser has $1 / 2^{\prime \prime} \times 100^{\prime \prime}$ roll Splicing Tape. Replaceable cutter pad and blades. Blade centering adjustment for accuracy. of superstrong Cycolac. Instructions.
28 F 60096 Shpg. wt., 1 lb.
Net 8.39
(C) TS-7S Standard Stereo splicer. Same features as TS-8D. Made of plated steel and plastic. Dispenser has 3 " $0^{\prime \prime} \times 100^{\circ}$ roll SplicIng Tape, instructions.
28 F 71416 Shpg. wt., 902.
Net 6.29
TS-7J JUwIDR "STEREO" SPLICER. (Not Illus.) Same as TS-7S, less dispenser and tape. Uses $30^{\prime \prime}$ wide splicing tape.
2t F 71424 Shpg. wt., 8 oz.
Net 5.25

(G) TK-30 TAPE EDITING KIT. Contains: TS-"Cut-N-Splice" Splicer, 25 self-stick Patches. White Leader Tape . $1 / 4^{\prime \prime} \times 100^{\prime \prime}$ on a $21 / 2^{\prime \prime}$ reel, 12 Tape Clips, Tape Cleaning Cloth $3^{\prime \prime}$ reel of rape-clean, and 120 Color title Labels.
28 F 72067 Shpg. wt., 802.
Net 5.98
(H) TK-goLX DELUXE KIT. Contains: TS.80 Splicer, Splicing Tape, Threader, Head Clean and Lube 2 oz. bottles, Clips, Reel intle Labels, Reel Holders, and Editing Guide Book. 28 F 70442 Shpg. wt., $21 / 4$ lbs. .... Net 13.15
(0) TS-6 DELUXE "CUT.N-SPLICE." Cuts tape at $30^{\circ}, 45^{\circ}$, or $90^{\circ}$ angle. 25 seli-stick splic. ing Patches included in built-in tray of spilicer.
28 F 70863 Shpg. wt., 602.
Net 2.99
TS-5 "CUT-N-SPLICE" METAL SPLICING SLock. (not illus.) With 25 self-stick Splicing Patches.
28 F 70871 Shpg. wt., 502.
Net 2.10
(E) TS. 14 Professional stuolo precision TAPE SPLICING BLOCK. Has $90^{\circ}$ and $45^{\circ}$ cut thing guide. Burnishing plate and roller provided. Sturdy cast base has rubber bumpers. Includes cutting blade and supply of 100 Splicing Patches. Shpg. wt., 4 bss.
20 F 72059 For $y_{4} 4^{\prime \prime}$ tape
Net 15.75
SPICING TAPE. Mylar. WL. ea. 2 oz. (Not illus.)

| Stock No. | Type | Width Length | Net |
| :---: | :---: | :---: | :---: |
| 28 F 70889 | TST-235 | 1/4* $\times 300^{\prime \prime}$ | 12 |
| 28 F 70897 | TST-376 | 3' ${ }^{\prime} \times 275{ }^{\prime \prime}$ | . 72 |
| 28 F 70905 | TST-501 | $1 / 2^{\prime \prime} \times 250^{\prime \prime}$ | . 72 |

TST-233 Pkg. of 75 Self-Stick Splicing Patches for TS-14, TS-6, TS-5 Splicers.
28 F 10921 (not illus.)
Net .79

(1) TK-14 RECORDER MAINTENANCE KIT. Contalns: Head Demagnetizer, 2 Tape Cleaning Cloths, and $3^{\prime \prime}$ reel of Tape-Clean.
28 F 71598 Shpg. wt., 9 oz. ...........Net 4.60
(J) TK-7 RECOROER KARE KIT, 2 oz. bottles of Mead Cieaner, Mead and Gulde Lubricant Tape Drive Oil, Non-Slip for Tape Drives, and 50 Cleaning Swabbies.
28 F 70491 Shpg. wt., $11 / 2$ lbs. ...... Net 2.60
TK-6 head-clean and lube kit. (Not illus.) 2 02. bottles. Head Cleaner and Head and Guide Lubricant.
20 F 70855 Shpg. wt., 11 oz . ........... Net 1.35
(F) TM-2 MAGNETIC TAPE EDITING PEN. Erase single sounds, noise, etc. from recordings. Fade in and out for special sound effects. 28 F 71549 Shpg. wt., 302. TT-240 COLOR-CODE SPLICING PATCHES. (Not tllus.) 12 each of 6 colors, Orange, Yeliow Red, Blue, Green and White. Splice color patches between subjects on reel for indox ling.
28 F 71135 Shpg. wt., 302 .............Net 1.05
TSP-50 SENSING AND CUEING PATCHES. (not Illus.) Aluminum foll. $1 / 4^{* \prime}$ wide $x ~ 3 / /^{* \prime}$ lengths. For recorder with automatic stop and reverse control.
28 F 11150 Pkg. of 50 , Wt., 2 oz .
Net 1.05

(K) TK-1 COLOR-CODING TAPE LOG KIT. Colorcode indexing by titie, artist, category. 120 page color-indexed Log Book, 240 Title Labels, 72 Tape End Tabs, 48 Numbered Cueing Spots, 30 Box Ends, in 6 Colors, and Pen. 28 F 71457 Shpg. wt., 1 lb.

Net 5.59
TT-16 COLOR-COOING LEADER TAPES. (NOT Illus.) Color-Code sublects, 100 ft each Red, Blue, Yellow, Green, White on $21 / 2^{\prime \prime}$ reels. 28 F 71499 Shpg. wt., 6 oz. ...........Net 2.85 IT-100C ClEAR LEADER TAPE. (Not illus.) 100 ft . $1 / 4^{\prime \prime}$ wide on a $21 / 2^{\prime \prime}$ reel. 28 F 71887 Shpg. wt., 3 oz ............Net . $B 1$
TC-75 TAPE ClIPS. (Not Illus.) Plastic. Reusable. Keeps tape from unwinding. Fits all reels. 72 clips in handy plastic contalner.
28 F 71093 Shpg. wt., 402.
Net 95
TL-80 TAPE AND BOX INDEX SPOTS. (Not lllus.) Pkg. of 240, Numbered 1 to 24, 2 sets in 5 basic Colors. Self-stick. Index tapes and their matching boxes or canisters. Wt. 3 oz . 28 F 72075

Net .95
TL-240 COLOR.CODE TITLE LABELS. (Not HIUS.) $2^{\prime \prime} \times 1 / 2^{\prime \prime}$ self-stick, 40 each of 5 Colors. Write or type. Label reels, boxes, canisters, etc. 28 F 71507 Pkg. of 240 . Wt. 4 oz . Net 1.15
TK-2 TAPE KARE KIT. (Not Illus.) 2 oz , bottle of Head Cleaner and Tape Cleaning Cloth. 28 F 70483 shpg. wt., 4 oz . .......... Net 1.35
TX. 20 TAPE HEAO CLEANER. (Not illus.) 2 oz. bottle with applicator.
28 F 60310 Shpg. wt., 6 oz.
Net .72
TX-33 TAPE DRIVE OIL (Not illus.) 2 oz , bottle with applicator. Inhibits rust and oxidation. 28 F 72083 Shpg. wt., 7 or. .......... Net . 54
TX-22 NEAD AND GUIDE LUBRICANT. (Not lllus.) 2 oz. bottle with applicator. Silicone base liquid. Provides friction-free tape path. 28 F 71937 Shpg. wt., 6 oz. ............ Net . 72
SKA-1 ECONOMY TAPE EOITING AND CARE KIT. (Not illus.) Contains: Tape Splicer. Splicing Tape, 75 Clips, $7^{\prime \prime}$ Reel of 1200 ft .1 .5 mil acetate Brand Five Recording Tape, $7^{\prime \prime}$ take. up Reet, six $7^{\prime \prime}$ Tape Storage Boxes, 2 oz. bottles of Head Cleaner and Lubricant. All in a Vinyl Attache Case $-314^{\prime \prime} \times 16^{\prime \prime} \times 11^{\prime \prime}$ Shpg. wt., $53 / 4 \mathrm{lbs}$.
28 F 71895
Net 9.98


P


5


U

v

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 $110-120 \mathrm{~V} .50-60 \mathrm{~Hz}$. A, C.
(P) TM. 77 DELUXE BULK ERASER. For $1 / 4^{m}$ tape, reels to $7^{\circ \prime}$. Erasure 2 to 4 db below normal erase head level. Size: $23 \%^{\prime \prime} \times 33^{\prime \prime} \times$ $61 / 4^{\prime \prime}$.
28 F 60252 Shpg. wt., $41 / 4 \mathrm{lbs} . . . .$. Net 17.58
(\$) TM-99 PROFESSIOMAL OL 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: $51 / 4^{\prime \prime} \times 63 / 4^{\prime \prime} \times 31 / 4^{\prime \prime}$. Wt., $93 / 4$ lbs. 28 F 60245

Ret 31.47
TPP. 2 RECORDER REPLACEMENT PRES. SURE PRDS (Not Illus.) Pkg, of 44 self-stick assortec sizes in two thicknesses for most recorders. Shpg. wt., $40 z$. 28 F 71119

Het . 80

## RECORDER AND TAPE CARE ACCESSORIES

TK-21 LOW COST TAPE EDITINE KIT. (Not Illus.) Contains TS-3 Splicer consisting of self-stick tape guide, hand-heid cutter with protective cover, Splicing Tape, and Tape editing Pencil.
28 F 71440 Shpg. wt., 4 oz ............ Net 1.83
TG-18 OISPOSABLE TAPE CLEAN-LUBE CLOTHS. (Not illus.) 18 Individual Packages. Sillcone treated Cloths for recording tape. Deposits film of silicone for friction-free periormance. Eliminates tape squeal improves fidelity. 28 F 72109 Shpg. wt., 6 oz. ............ Net 1.05

TAPE-CLEAN. (Not Illus.) Chemically treated cloth tape cleans and lubricates heads and guldes of recorder when played. Deposits illm of silicone for fiction-free tape path. 28 F 71168 THC-3, $3^{\prime \prime}$ reel. Wt. 3 oz. Net 1.25 28 F 60351 THC-5, $5^{\prime \prime}$ reel. Wt. 5 02. Net 2.30 (U) THC-12 QUICK-CLEAM FELT PEN, With pocket clip. Applies efficient fast drying solvent to remove dirt, accumulated oxide from recorder heads to improve sound fidelity. Includes fluid supply. Imported.
28 F 72091 Shpg. wt. 302.

ThS- 1 head-kleen spray. (Not illus.) 402 Aerosol formula Head Cleaner removes accumulated oxide, grime, and other particles from recorder heads. Extension nozzle included for easy access to hard to reach heads, 28 F 71545 Shpg. wt., 6 oz. ............ Net 1.35
THC-1 HEAD-KLEEN POLISHING TAPE, (Not Illus.) $3^{-}$reel, 225 ft . Removes oxide and all particles from heads when played. 28 F 71606 Shpg. wt., 301 ........... Net 1.35
(T) MSW-150 "SWAB8IES". Soft cottion tips wound on $6^{\prime \prime}$ applicators for cleating and olling hard to reach parts of equipment. Package of 125.
23 F 72117 shpg. wt., 602.
Met .79
(V) TW- 1 PRECISION TAPE STROBE. Metal, chrome plated. Needle bearings. Tests speed accuracy, wow, and flutter of $71 / 2$ and $33 / 4$ ips recorders. Instructions.
28 F 71176 Shpg. wt., 10 oz. .......... Net 7.35
TL-9 LONG TItLe labels. (Not illus.) 30 " $x$ $91 / 2^{\prime \prime}$. Self-stick. Label canisters, boxes, etc. 28 F 72166 Pkg. of 50 . Wt., 4 oz . .... Net 79

(2) TRP-2 PHONE PICK-UP. Fastens to phone by suction cup. Provides clear recording of phone conversations. Has 5 ft. cable with stripped ends to attach connector to fit recorder
28 F 70947 Shpg. wt., 302
Net 2.40
(AA) TB-3 SOLID-STATE BEEPER AND PHOME PICK-UP. Integrated Circult (I.C) signal gen-erator-timer and high-efficiency ferrite core induction coil. Injects 1 kc "Beeps" Into phone lines and recorder at 15 second intervals, Has on-off switch and 6 ft . cable to phone, 6 ft . cable to recorder. Fastens to phone by spring. $110 \mathrm{~V} .50-60 \mathrm{~Hz}$ A.C.
28 F 72144 Shpg. wt., 14 oz.
Net 21.00
RMC-6 PLASTIC TAPE MAILINE CANISTERS. (Not Illus.) Impact resistant. Reusable. For up to $31 / 4$ " reels. With 2 -sided address cards 28 F 71564 Pkg. of 6 . Wt., 5 oz .... Net 1.15

TMC 30 DOUBLESIDED ADDRESS CAROS. (Not lllus.) Pkg. of 30 for RMC- 6 Tape Mallers. 28 F 71572 Shpg. wt., 602.

Net . 81
T8-15 CARDGOARD TAPE MAILIMG BOXES. (Not fllus.) Package of 15 . For up to $31 / 4^{\prime \prime}$ reels. 28 F 71580 Shpg . wt., 802.


W
(BB) TSO-1 AUTOMATIC TAPE SHUT-OFF, At. taches ta side of recorder. Recorder plugs into side of unit. $110 \mathrm{VAC}, 3 \mathrm{amp}$. rating. Arm gently contacts recording tape. When tape plays through and ends, automatically shuts off recorder or other devices.
28 F $72158 \mathrm{Sh} \mathrm{Sg}, \mathrm{wt} .8 \mathrm{oz}$.
Net 5.25

(CC) TCP-12 SET OF 12 DELUXE IMDIVIOUAL MOLDED TAPE SAFES. Protects $7^{\prime \prime}$ tapes from dust, dirt ageing. Hinge covers. Bottoms have dovezail grooves to fit metal wall mount bracket Included. (less tape and reels). 28 F 71225 Shpg . wt., $67 / 4 \mathrm{lbs}$...... Net 12.60 TCB. 18 CARDBOABD CASSETTE MAILERS. (Not llius.) Package of 18. Features 'built-in stops" to prevent tape unwinding or becoming slack.
28 F 71952 Shpg. wt., 602.
Net .99
TL. 5 COLOE-CODE TAPE BOX ENDS. (Not illus.) 30 self-stick, textured book binding strips in 6 colors. Reinforce and hinge lids.
28 F 71481 Shpg. wt., 602
(V) TK-12 AUDIONISUAL ACCESSORY KIT. FOR language labs, recording studios, audio/ visual depts. and serious home recordists. Contains: TS-8D Splicer, 6 rolls $/ \mathcal{V}^{*}$ Splicing Tape, Tape Threader, Tape Cleaning Cloths, Head Cleaner, Lubricant, 24 Tape Clips, 180 Title Labels, Tape Strobe and Light Kit, U.L. Listed TM-99 Bulk Tape Eraser and TD-6 Demagnetizer
20 F 70517 Shpg. Wt., 14 tbs. ...... Net 55.15


EMPTY REELS FOR ALL RECORDERS. Packaged clear plastic reels in all sizes, except *is pkg. of six $3^{\prime \prime}$ reels in assorted colors. + indicates Low Torque reel. Avg. wt. per pkg., 6 oz.

(W) TK.5 TAPE STEOBE AND LIGHT KIT, Tests speed accuracy of recorder at $15,71 / 2$, and $33 / 4 \mathrm{ips}$. Ströbe tape, neon lamp. 110 V. A.C. 28 F 72125 Shpg. wt., 5 oz. $\qquad$ Net 1.89
(x) BLOWER 8RUSH \#TBB-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.
2I F 72131 Shpg. wt, 4 oz. Net 1.35


## IMFORMATIVE RECOROISTS BOOKS

TE.96 "WHAT YOU SHOUD KNOW ABOUT YOUR RECOROER". 96 page Illustrated. Covers care, use, operation and troubleshooting of recorders. Shpg. wt., 6 oz .
10 F 76033
Net 85
TE-129 "HOW TO GET THE MOST OUT OF YOUR RECORDER". 128 pages lifustrated. Practical uses for business and pleasure recording. Covers learming, taping communications, sound effects, etc, Shpg.wt., 8 oz.


# LAFAYETTE RECORDING TAPES 

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

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

We guarantee absolute satisfaction of your money back. If for any reason vou are dissatisfled, 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

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

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

|  |  |  |  |  | Net Per Ree! |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Feet | Reel | Mils | Wt. IUs. | $1-4$ | $5-24$ | 25 Up |
| 28 F 01058 | 1200 | $5^{\prime \prime}$ | $1 / 2$ | $1 / 2$ | 1.75 | 1.58 | 1.42 |
| 28 F 01065 | 1800 | $7^{\prime \prime}$ | 1 | 1 | 2.14 | 1.93 | 1.75 |
| 28 F 01074 | 2400 | $7^{\prime \prime}$ | $1 / 2$ | 1 | 3.10 | 2.79 | 2.51 |



These tapes are of the same high quality as the standard acetate and mylar Lafayette tapes with the added advantages of the tenslized mylar base. Super-strong mylar is prestreiched and heat, cold and finish. Smooth output throughout the entire non-abrasive audio spectrum. Tensilized mylar gives you the most perma. nent type of base and is therefore ideal for your most treas. ured recordings. All are $1 / 2 \mathrm{mil}$, thus permitting the maxi: mum amount of footage per reel. Individually boxed.

| Stock No. | Feet | Reel | Mils | Wt. Ibs. | Net Per Reel |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28 F 01090 | 300 | 3 " | 1/2 | 1/4 | . 69 | 63 | .59 |
| 28 F 01108 | 600 | $31 / 4$ | 1/2 | 1/4 | . 99 | . 90 | . 81 |
| 28 F 01116 | 1200 | $5{ }^{\prime \prime}$ | 1/2 | 1/2 | 2.25 | 2.03 | 1.83 |
| 2if F 01082 | 2400 | 7" | 1/2 | 1 | 3.49 | 3.14 | 2.86 |
| 28 F 01231 | 3600 | 7 ' | $1 / 2$ | $11 / 4$ | 4.98 | 4.49 | 3.99 |

- Mylar is the registered DuPont trademark for its polyester film.
Acetate base magnetic recording tape with uniform stand and red oxide coating provides wide range high fidelity reproduction, low abrasion and uniform output. In 1 mil and $11 / 2 \mathrm{mil}$ thickness. Average shpg. wt., 1 lb.

|  |  |  |  | Net Per Reel |  |  |  |
| :---: | ---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock Mor | Feet | Reel | Mils | Wt. Ibs. | $1-4$ | $5-24$ | 25 Up |
| 28 F 01025 | 600 | $5^{*}$ | $11 / 2$ | $1 / 2$ | .99 | .90 | .65 |
| 28 F 01033 | 900 | $5^{\prime \prime}$ | 1 | $1 / 2$ | 1.20 | 1.10 | .99 |
| 28 F 01017 | 1200 | $7^{\circ}$ | $11 / 2$ | 1 | 1.59 | 1.49 | 1.35 |
| 28 F 01041 | 1800 | $7^{\prime \prime}$ | 1 | 1 | 1.98 | 1.88 | 1.79 |

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

## LAFAYETTE RECORDING 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 metal sensing strip at each end to activate the automatic reversing mechanism in tape machines havng this feature. This tape may also be used on machines which do not reverse tapes. This superb tape is of the same excellent quality. provides all of the features, and carries the same money-back guar. antee as the other Lafayette recording tapes on this page. Average Shpg. Wt., 1 lb .

|  |  |  |  | Net Per Reel |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No | Feet | Reel | Description | 14 | $5-24$ | 25 up |
| 28 F 01165 | 1200 | $5^{\prime \prime}$ | $1 / 2$ mil mylar | 1.99 | 1.84 | 1.67 |
| 28 F 01173 | 1200 | $7^{\prime \prime}$ | $11 / 2$ mil acetate | 1.84 | 1.73 | 1.62 |
| 28 F 01181 | 1800 | $7^{\prime \prime}$ | 1 | mil mylar | 2.89 | 2.69 |
| 28 F 01199 | 2400 | $7^{\prime \prime}$ | $1 / 2$ mil tens mylar | 3.99 | 3.74 | 3.52 |

28 F 51012 BROAOWAY CAVALCAOE-The Hollyw ood Strings-A romantic program of America's greatest theater music from the pens of Richard Rogers, Irving Berlin, George Gershwin, Jerome Kern, Victor Kerbert, and Franz Lehar.
28 F 51020 THREE HOURS of EASY LISTENING-The Mollywood Strings-Bubbling background music for cocktalls, dinner, and romantic evenings. Some of the great hits on this tape are Greensleeves, Smoke Gets In Your Eyes, Stardust, Autumn Leaves, Theme from Exodus, Theme from Moulin Rouge, Around The World In 80 Days, and La Vie en Rose, 28 F 51038 THREE HOURS of POPULAR CLASSICS-London POpS Symphony Orchestra -Gershwin: American In Paris, Rhapsody In Blue; geethoven: Fifth Symphony; Tchaikovsky: Favorite Themes; Grofe: Grand Canyon Sulte; Rimsky-Korsahov: Scheherazade; Strauss: Waltzes.
28 F 51046 EVENING At The BALLET-London Pops Symphony Orchestra-Excerpts from Sleeping Beauty, Swan Lake, Galte Parisienne, Night On Bald Mountaln, Carmen, Petrouchka, Nutcracker, Afternoon of A Faun, plus many more.
28 F 51004 THREE HOURS of TCHAIKOVSKY- 1812 Overture, Sleeping Beauty Ballet Sulte, Piano Concerto 1-Blumenthal soloist, Capricclo Italien, Symp. \#6 (Pathetique), Swan Lake Ballet Suite, Nutcracker Suite excerpts-Vienna Symphony and other great European Orchestras.

# Scotch RECORDING TAPE AND ACCESSORIES 



TYPE 111 STANDARD TAPE-11/2 Mil Acetate Coated with red oxide. Popularly used for high fidelity all purpose recordings. On plastic reels except *NARTB metal reels. Av. shpg. wt., 8 or. ea.

| Stock No. | Type No. | Reel | Length Feet | Net Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 F 33044 | 111.1.5 | 3" |  |  |  |
| 28 F 33051 | 111.3 | $4^{\prime \prime}$ |  | 55 | 49 |
| 28 F 33069 | 111.6 | $5^{\prime \prime}$ | 600 | 1.42 | 1.27 |
| 28 F 33077 | 111-12 | $7{ }^{\prime \prime}$ | 1200 | 2.67 | 1.60 2.40 |
| 28 F 33085 | 111.25 H | Hub | 2500 | 5.39 | 4.85 |
| 28 F 33093 | 111-25R* | 101/2" | 2500 | 7.42 | 6.67 |

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

| Stack No. |  |  |  |  | Net Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28 F 33374 |  | Bas | Reel | Lgth. Ft. | 1.11 | 12 Up |
| 28 F 33358 |  | 1.5 Mil Acet. | $5 *$ | 600 | 2.05 | 1.84 |
| 28 F. 33382 | 202.6 | 1.5 Mil Acet. | 7"' | 1200 | 3.08 | 2.77 |
| 28 F 33390 | 202-12 | 1.5 Mil Poly. | $5^{\prime \prime}$ | 600 | 2.09 | 1.88 |
| 28 F 33408 | 203-9 | 1.5 Mil Poly. | 7"' | 1200 | 3.50 | 3.15 |
| 28 F 33366 | 203-18 | 1 Mil Poly. | $5^{\prime \prime}$ | 900 | 2.97 | 2.68 |

TYPE 175 TENZAR-11/2 Mil tenzar coated with a high potency oxide, offers 16 times greater tear resistance than acetate backing. For continuous play, fast stops and starts non-drying sllicone lubricated to protect recorder heads. Avg. shpg. wt., 10 oz .

| Stock No. | Type No. | Are | Length feet | Net Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 F 33275 |  |  | Length feet | $1-11$ | 12 Up |
| 28F33283 | $175 \cdot 12$ | 7"' | $600$ | 1.68 2.58 | 1.51 |

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

| Stock No. | Type No. | Reel | Length Feet | 1.11 | Net Each |
| :--- | :--- | :---: | :---: | :---: | :---: |
| 28 F 33135 | 282.6 | $5^{\prime \prime}$ | 600 | 1.68 | 1.51 |
| 28 F 33143 | 282.12 | $7^{\prime \prime}$ | 1200 | 2.58 | 2.32 |

## SCOTCH TAPE CASSETTES



For all Cassette recorders using Phillips. type cassettes. In reusable hinged plastic mailer; except C. 120 im hinged plaslic album box. Shpg. wt., 6 oz.

| Stock No. | Type | Minutes | Net Each |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1-11 | 12 Up |
| 28 F 33473 | S-C. 30 | 30 | 1.88 | 1.63 |
| 28 F 33416 | S-C. 60 | 60 | 2.11 | 1.91 |
| 28 F 33457 | S.C-90 | 90 | 3.14 | 2.83 |
| 28 F 33465 | S.C-120 | 120 | 4.07 | 3.67 |



## "LIVING LETTERS" TAPE IN PLASTIC MAILERS

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

| Stock No. | Tro |  | Net Fach |  |
| :---: | :---: | :---: | :---: | :---: |
| 28 F 33424 | 111.511 | Lgth. Ft. | 1-11 | 12 Up |
| ( 28 F 334324 | 111-1.5L | 150 | 72 | 65 |
| 28 F 33259 | 200-3LL | 300 | 1.46 | 1.31 |
|  | 290-6LL | 600 | 1.99 | 1.79 |

\#11 ADDRESS LABELS FOR LL MAItING CONTAINERS. Package of 10 additional pressure-sensitive adhesive address tabels for "Living letters" plastic maling boxes. Shpg. wt., 3 oz.
28 F 33440
Lots of 12, ea. . 45
Singly, Ea. . 50

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

| Stock No. | Type | Re | 1 | Net Eath |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 F 33168 |  |  | length Feet | 1.11 | 12 up |
| 28 F 33176 28 | 150.9 150.18 | 5"' | 900 | 2.40 | 2.16 |
| 28 F 33184 | 150.36R* | 7 | 1800 | 4.11 | 3.70 |
|  | 150.36R* | 101/2 | 3600 | 9.86 | 8.87 |

TYPE 209 TENSILIZED - Tensilized Polyester .50 mil tapes. Provides twice as much playing time as the 1.5 mil standard tape. Stronger and more durable than usual long-play tapes. On plastic reet, Avg. shpg. wi., 12 oz.

|  |  |  |  | Net Each |  |
| :--- | :--- | :--- | :--- | :--- | ---: |
| Stoch No | Type No | Reel | Length Feet | 1.11 | 12 U $_{p}$ |
| 28 F 33234 | $200-12$ | $5^{\prime \prime}$ | 1200 | 3.87 | 3.49 |
| $28 F 33218$ | $200-24$ | $7^{\prime \prime}$ | 2400 | 6.68 | 6.02 |
| 28 F 33226 | $200-48$ RPS | $101 / 2^{\circ}$ | 4800 | 15.11 | 13.60 |
| TYPE 290 | M |  |  |  |  |

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

|  |  |  | Net Each |  |  |
| :--- | :--- | :---: | :---: | :---: | ---: |
| Stock No. | Type No. | Reel | Length Feet | 1.11 | 12 Up |
| 28 F 33242 | $290-18$ | $5^{\prime \prime}$ | 1800 | 4.92 | 4.43 |
| 28 F 332E7 | $290-36$ | $7^{\circ}$ | 3600 | 7.99 | 7.19 |

## SCOTCH RECORDING ACCESSORIES

## SPLICING TAPE

Pressure-sensitive tape made especially for splicing and ediling marnetic tape. Av. shpg. wt.. 2 oz.
SCOTCH $41-1 / 2 S$ 4/2x150‥ On dispenser.
28 f 33291 .................. 35 Singly, Ea. 39 SCOTCH $41-7 / 2 \mathrm{~L} \quad 1 / 2 \times 66^{\prime}$. Less dispenser.

Lots of 12, Ea. . 51
Singly, Ea, . 57 SENSING TAPE
Type $517 / 325$ - To actuate automatic stop and reverse on recorders so equipped. $150^{\prime}$ long $\times 1 / 8^{\prime \prime}$ wide. One side foil, other adhesive. Shpp. wt., 202.

Lots of 12, Ea. 1.70 Singly, Ea. 1.89 LEADER-TIMER TAPE
IYPE 24-1 W-Mas 1 second interval markings for $71 / 2^{\prime \prime}$ and $15^{\prime \prime}$ per second speeds. $100 \mathrm{ft} .1 / 4^{* *}$ wide roll. Individually boxed, 2 oz .
28 F $33325 \ldots \quad$ Lots of 12, Ea. . 54 Singly, Ea. . 60 $7^{\prime \prime}$ SELF-THREADING REEL
TYPE PRST-7-just lay recording tape inside and start recorder Threads automatically. Snap-tight collar seals edges against dust Shpg. wt., 8 oz.
28 F 33317 Lots of 12, Ea. 90 Singly, Ea. 1.00


## LAFAYETTE QUADRUPLE-PLAY

 $1 / 4 \mathrm{MIL}$. RECORDING TAPE- Four Times More Recording Time Than Standard Tapes - Up To 32 Hours Recording

Greatly extends the playing time of all recorders, particularly $31 / 4$ " reel machines. An ultra-thin si/4 mil tensilized mylar recording tape with high-density magnetic coating. Offers excellent frequency response for sharper, brighter recordings, Outstanding performance with capstan-drive recorders.
1100 FR . on $3 y / a^{\prime \prime}$ Reel. Records $z$ hours 20 minutes (all four tracks) at $17 / \mathrm{ips} ; 3$ hours 40 minutes at $33 / 4 \mathrm{ips}$. Shpg. w1., 4 oz . 20 F01256

Net 2.20
2400 Ft. on $5^{\prime \prime}$ Reel. Records 16 hours (all lour tracks) at $1 \%$ ips: 8 -hours at $33 / 4$ ips. Stereo 2 -track records 8 -hours at $1 \%$ ips, 4 hours at $33 / 4 \mathrm{lps}$. Shpg. wt., $1 / 2 \mathrm{lb}$. 28 F 01264

Net 4.65
4800 FL on $\mathrm{T}^{\circ}$ Reel. Records 32 hours (all four tracks) at $17 / 8$ ips; 16 .hours at $33 / 4$ ips: 8 -hours at $71 / 2$ ips, Stereo 2 -track records 16 hours at $17 / \mathrm{ips}$. 8-hours at $3 \% / \mathrm{ips}, 4$ - hours at $71 / 2 \mathrm{jps}$, Shpg. wt., $3 / 4$ tb.
28 F 01272
Net 8.95

## Tortronics <br> Tape Heads and Accessories

QUIK-KIT MOUNTING HARDWARE

| Stock No. | OK No. | Description | Het Ea, |
| :---: | :---: | :---: | :---: |
|  |  | SIDE-MOUNT |  |
| 28 F 57357 | 18 | All erase | 1.2 |
| 28 F 57340 | 20 | 3000 RP series | 1.25 |
| 28.557332 | 38 | Other RP | 1.25 |
|  |  | BASE-MOUNT |  |
| 28 F 57381 | 19 | All erase | 1.2 |
| 20 F 57373 | 21 | 3000 RP | 1.2 |
| 26.57365 | 66 | Other RP | 1.2 |
|  |  | SPECIALS |  |
| 28 f 57928 | 102 | Sony RP | 1.75 |
| 28 F 57993 | 119 | Sony RP | 1.25 |
| 28F58256 | 306 | Sony erase | 1.50 |

## FREE TAPE HEAO REPLACEMENT GUIDE

This is partial tape head replacement listing. A complete replacement guide is available including over 1800 recorder models with the Nortronics replacement type and other pertinent information
20 F $58280 \mathrm{Sh} p \mathrm{~g}$. wt., 3 oz.
FREE
AT-100 Alignment tape. Full-track $71 / 2$ ips. For head azimuth alignment \& NAB testing frequency response of any recorder or tape head. Shpg. wt., 402.
20 F57599
Net 9.90
AUTO AND HOME B-TRACK CARTRIDGE REPLACEMENT HEAD
Record/Playback replacement head for practically all auto and home 8 -track cartridge tape players, Shpg. wt., $60 z$.
28 F 58272 Nortronics 5800
Net 10.55

## 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 $40 \cdot 20,000 \mathrm{~Hz}$ at $74 / 2$ lps. Crosstalk rejection 55 db . For Mirs. Func- For Webcon Models-Some equik Net Stock No. Type tion Prefized CP, EP, LT, PB, TP Kit Ea.
 2009, 2203, 2206.1, 2800 \& 2900 series
11.05

28 F 57076 3100 RP 2101-1, 2200-(1), 2202(1), 2205-(1), 2300-(1), 2302.(1), 2303-(1), 2400-1, 2402-(1), 2500-(1, 10, 22), 2502.(1. 10), 5400

| - | 10.35 |
| :--- | :--- |
| 20.90 |  |
| - |  |
| 20.90 |  |
| 6.00 |  | For COMCORD


| 28 F 57084 | 3101 | RP |
| :---: | :---: | :---: |
| 28 F 57019 | 1000 | RP |
| 28 F 57092 | 1400 | E |
| 28 F 57027 | 1002 | RP |
| 28 F 57100 | 1401 | E |
| 20 F 56090 | 1007 | R |
| 28 F 57159 | 1001 | P |
| 28 F 58090 | 1007 | RP |
| 28 F 57100 | 1401 | E |


| 26 F 57084 | 3101 | RP | 101S, 102S, 152 S |
| :---: | :---: | :---: | :---: |
| 28F57084 | 3101 | RP | 115, 500, 555 |
| 28 F 57076 | 3100 | 8 PP | 705 |
| 28 f 58165 | 1008 | RP | 755, 755S |
| 28 F 57100 | 1401 | E | 755, 755 S |


| 28 F 57803 | 6005 | RPE | 2NV2Q108-1 | 38 | 28.60 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 F 57027 | 1002 | RP | INPR-300 |  | 20.90 |
| 28 F 58272 | 5800 | RP | 4NE-100, 4NH2L (S-0, X-0) | - | 10.55 |
| 28 F 58066 | 1009 | RP | 69NR2QB-1, 300, 5Q08, 508, 50 T 17 (105, 300), |  |  |
|  |  |  | 5P17-300 | - | 20.90 |
| 28F57100 | 1401 | E | gaE3, gate3, 12ER2Q-1. 12EQ, 18HE6, 9EQ3 | 18 | 9.25 |
| 28 F 58074 | 6009 | RPE | 5AV17, 6AV17-200, |  |  |
| Heads with | 00 |  | 4UV20108-1 00 series | 38 | 28.60 |

frequencies to $100 \mathrm{kHz}, \mathrm{Av}$. Shps. Wt., $4 \mathbf{0 z}$.
R-Record; P-Play; E-Erase. Mounting hardware where required. (See below). With instructions.

| Stock No. | Mfrs. Type | $\begin{aligned} & \text { Func- } \\ & \text { tion } \end{aligned}$ | FOR SONY SUPERSCOPE Some Prefixed TC, SSA | $\begin{aligned} & \text { Quik } \\ & \text { Kit } \end{aligned}$ | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28F57019 | 1000 | RP | 262(0, SL), 464(C, S, D, SL) | 102 | 20.90 |
| 28 F 57019 | 1000 | RP | 300, 500, 50L, 521 | 119 | 20.90 |
| 28 F 58090 | 1007 | RP | 200, 250, 260, 350, 530, 600 | 102 | 20.90 |
| 28 F 57100 | 1401 | F | 260, 350, 530 | 306 | 9.25 |
| 28 F 57977 | 3000 | RP | 135.111 |  | 10.35 |

For hevere wollensak, 3M
 For VM Models

| 28 F 57084 | 3101 | RP | $\begin{aligned} & 710(A), 711(A), 714,730, \\ & 750(A), 1000 \end{aligned}$ | 20 | 10.35 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 F 57977 | 3000 | RP | 700, 701 | 20 | 10.35 |
| 28 F 57142 | 3601 | E | Madels above except 700 | 18 | 6.60 |
| 21 F 58066 | 1009 | RP | $7100,720,722,735$ (add A track) $740(1), 741,755$. 1001-(1, 2), 1002-(1, 2) | 38 | 20.50 |
| 28 F 57100 | 1401 | E | 7100, 720, 722, 755, |  |  |
| 28 F 57282 | 6002 | RPE | $1001-(1,2), 1002-(1,2)$ $740,740-1,741$ | 18 38 | $\begin{array}{r}9.25 \\ 28.60 \\ \hline\end{array}$ |


| 28 F 57084 | 3101 | P mono | 75, 76, 77, 78, 770 | 21 | 10.35 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 F 58173 | 1201 | RPP-4tr. | Above | 66 | 26.40 |
| 28 F 57092 | 1400 | E-4tr. | Above | 19 | 9.25 |
| 28 F 58090 | 1007 | PP | 423 |  | 20.90 |

- FPE-20 replaces original Nortronics. APE-23 replaces originat shure.


## NEW Vivid Sounds - Prerecorded Stereo Cassette Tapes



POPULAR HITS - COLUMBIA MUSICAL TREASURY ORCHESTRA AND CHORUS 28 F 17096L-BY THE TIME I GET TO PHOENIX-Gentle On My Mind; Ballad of Bonnie \& Clyde; Honey; Little Green Apples; By The Time I Get To Phoenix, plus 7 more. 28 F 17104 L -THOSE WERE THE DAYS Mrs. Robinson; Love is Blue; What The World Needs Now; Those Were The Days; plus 8 more.
28 F 17112 L - EREAT MOMENTS FROM MOV-IES- 2001 Space Odyssey Sulte; Theme From Elvira Madigan; Second Hand Rose; The Sounds of Silence; Rosemary's Baby; plus 7 more.
28 F 17120 L-LIGNT MY FIRE-Scarborough Fair; Girl Watcher; Never My Love; Light My Fire; plus 8 more.
28 F 17138 L -THE BEAT GOES ON-Do You Know The Way To San Jose; People; Sunny; Up, Up, and Away; The Beat Goes On; plus 7 more.

## COUNTRY AND WESTERN HITS

28 F 17146 L -NEW ORLEANS-Anthony Armstrong/J. Jones: Take A Letter Maria; Everybody's Talkin'; Wichita; One For The Road; Breaking Point; New Orleans; plus 5 more. 28 F $17153 L$-GREATEST COUMTRY HITSBobby Helms-Lloyd Green: Green, Green Grass Of Home; Let The Chips Fall; Gentle On My Mind; Galveston; He Thought He'd Die Laughingi plus 7 more.
28 F 17161 LJEANNIE C. IM 6000 COM-PANY-Jeannie C. Riley-Bonnie Guitar, Dori hilms: Leave The weeping To The Willow Tree; Faded Ribbons; Please My Love: Shanty Boat; plus 8 more.
28 F 17179 L -COUNTRY GOLD Johnny Paychech/Jonny Horton: Your Cheating Heart; The First Traln Heading South; Too Light To Fight, Too Thin To Win; The Fishing Hole; Jukebor Charlie, plus 6 more.

See Page 119 For More Prerecorded
Stereo Cassette Tapes.

# Auto Antennas - Accessories - Vibrators 


(1) CONTINENTAL SINGIE SIDE MOUNT Continental single side mount. For trucks, Volkswagens and other foreign cars. Flexible adjustment with unlque vertical locking. 3 section. Extends to $55^{\circ}$ from $20^{\prime \prime} .32^{\prime \prime}$ lead cable.
11 F 88010 Shpg. wt, 1 lb . $\qquad$ Net 2.69
(2) "FLEX-O-MATIC" UNIVERSAL ANTENNA Heavy-duty, bounce-back, spring mount. Fully adiustable-mounts anywhere. 3 sections. $63^{\prime \prime}$ extended. $28^{\prime \prime}$ collapsed. $48^{\prime \prime}$ lead.

(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 F 74119 Shpg. wt., 1 lb . Net 2.19
(4) DISAPPEARING ANTENNA

For concealed installation. Extends to 5\% from $612^{\prime \prime \prime}$. Fully collapsibie-only mounting protrudes. 54" lead.
11 F 74028 Shpg. wt., 2 lbs. $\qquad$ Net 3.39
(5) LO-BOY DISAPPEARING ANTENNA

For shallow installations, foreign and sports cars. Takes ony $94 z^{\prime \prime}$ below fender or deck. Extends to $25^{\prime \prime}$ collapses to $13 / 4^{* *}$. $48^{\prime \prime}$ permanent lead. Shpg. wt., 1 lb.
11 F 74036 $\qquad$ Nel 2.19


## POWER HOUSE AUTO ANTENNA

## - Built-in <br> Booster <br> 398

New! 3-section universal mount (for all cars) auto antenna designed to increase the range and signal strength of your auto radio. Built-in booster coil lets you tune twice as many stations. TWICE AS STRONG! Stain-
(6) DISAPPEARING KEY-TENNA

Slides completely into mounting base. Locks with key rendering the antenna theft proof. $16 \frac{14}{}{ }^{\prime \prime}$ below fender. ext. $43^{3}$. With $48^{\prime \prime}$ leads: 2 keys. Shpg. wt. 1 lo.
11 F 74044
PEARING FM-KEY-TENN
3.section disappearing safety-lok antenna. Extends to $31^{\prime \prime}$ for toD FM performance, Complete with $48^{\prime \prime}$ leads, 2 keys. Shpg. wt., 1 lo.
11 F 74127
Net 3.19
(8) SPRING BACK REPLACEMENT STAFF

One piece, stainless steel, spring mounted replacement staff. $271 / 2^{\prime \prime}$ long overall. Mounts over stub of old antenna. Fits all cars. simple set screw installation. Shpg. wt., 9 oz. 11 F 74069 Net 1.09

## (9) REPLACEMENT ANTENNA STAFF

3 section 57" replacement staff. Telescoping staff replaces antenna lost through accident or vandalism. Mounts on stub of broken antenna. Simple lock on mount. Shpg, wt., $9 \mathbf{0 2}$. 11 F 74051

Net 1.49
(10) TOP COWL MOUNT

3 section antenna measures $22^{\circ}$ collapsed, and extends to $56^{\prime \prime}$. Mounts on polyethylene insulator. With $54^{\prime \prime}$ cable.
11 F 74010 Shpg. wt., 1 ib.
Net 1.99


UNIVERSAL 6 \& 12
VOLT VIBRATORS
Direct replacements for most popularly-used types. All brand new factory-fresh slock. Made by leading national manufacturers. Fully guaranteed. All types may be assorted for quantity prices.

6-VOLT 4.PRONG
Keplacement for MALLORY 294, 859, 901 M , Radiart 5300,5301 and many others.
32 F 56013 Shpg. wt., 4 oz .

| Lots of | 1.4 | 5.9 | $10+$ |
| :--- | :---: | :---: | :---: |
| Net ea. | 1.99 | 1.89 | 1.79 |

12-VOLT 3-PRONG
Replacement for Buich, Olds, Pontiac and GM part no. 122.0155; Mallory G874, CD 6330, Delco 8550; and Vokar 3129.
32 F 56021 Shpg. wt., 4 oz.

| Lots of | 1.4 | $5-9$ | $10 \%$ |
| :--- | :--- | :--- | :--- |
| Net ea. | 1.99 | 1.89 | 1.79 |

12-VOLT 4-PRONG
Replacement for Mallory G859. Motorola 45822000 , Philico and Mopar $83-0025-1$. ATR 1840. Vokar 4124; and most later 12 -volt car. radio vibrators.
32 F 56039 Shpg. wi., 4 oz.

| Lots of | 1.4 | $5-9$ | $10+$ |
| :--- | :--- | :--- | :--- |
| Net ea. | 1.99 | 1.89 | 1.79 |

## MALLORY REPLACEMENT VIBRATORS

Replacement for most popular sets.

| Stock No. | Type Ro. | Net ea. |
| :--- | :---: | ---: |
| 33 F 11040 | 6 VOLTS |  |
| 33 F 11065 | 1601 | 2.95 |
| 33 F 11073 | G1501 | 4.33 |



Replacement lead 54* Universal. Shpg. wt., 1 to
11 F 74085 Net 1.09
Universal extension read, $24{ }^{-\prime}$.
Net .79
Universal extension lead, $36^{\prime \prime}$
Net . 99

ADAPTERS/JACKS/PLUGS/COWNECTDRS

(A) Adapter converts Motorola to Delco fitting 11 f 55018 Net 15 11 F 66024 (B) Motorola jach - Net. 20 11 f 66032 -(C) Motorola plug _—... Net 15


For all 6 and 8 -cylinder cars to suppress wide band pulse noise created by the dilstributor, spark plugs and generator "hash". Includes spark plug suppressors, generator and light or ammeter by-pass capacitors. Complete with easy installation instructions. Shpg. wt., 602.

11 F 71057 for 6-cylinder cars ..... Nel 2.59 If F 71065 for 8 -cylinder cars _net 2.99


For 12 Volt Negative Ground AM and FM Auto Radios-Convenient Under Dash Mounting Deluxe solld state tuneable reverberaton unlt converts your present car radio into a magnificent sound system offering concert hall realism. Beautifully styled to enhance the decor of your car. Consists of the tuneable amplifier control unit which easily mounts under the dash panel of your car by means of adjustable brackets. $6 \times 9^{-1}$ dynamic speaker and chrome grill for rear seat mounting, and all connecting cables. Includes simple instructions for connecting the reverb unit to your regular car radio system and for separate rear seat speaker. Reverberation is an entirely different approach to sound

## - Tuneable . . . Electronic Tuning Control. <br> "Custom Fits" the Sound to your Car, to your Ear

 reproduction. Normal sound reprodiction from a single source has a Hat, one dimensional effect; with proper sound delay thru "REVERBERATION," tones are created with a truly third dimension for concert hall originality. The LRE unit features complete sound controlsimplified 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 uotput- 4 watts, 2 transistors. Size: $17 / \mathrm{sv}^{4} \times 9^{\prime \prime}$. Shpg. wt., 5 lbs. 17 F 01093
## LAFAYETTE SOLID-STATE CAR REVERBERATION AMPLIFIER Recreates Concert Hall Listening In Your Car



- Can Be Used With Any 12 -Volt Negative Ground Car Radio-AM or FM
NOW-listen to the most dramatic sound of music you have ever heard in a car with the Lafayette solid state Automoblle Reverberation amplifier. When used with your present 12 -volt negative ground AM or FM car radio, the Lafayette Reverb amplifier creates a second set of reflected sound waves reproduced through a rear seat speaker (not included). These reflected sound waves provide this exciting new dimension in sound reproduction. Features a pushpull Fader/ Balance control. Balances regular car radio speaker and reverb speaker. Also controls amount of reverberation-from 0 to maximum. Separate isolation transformer for ultimate matching conditions. For underdash mounting. Dim.: $71 / 2^{\circ 0} \mathrm{D} \times 31 / 2^{\prime} \mathrm{W} \times 13 / 4^{\prime \prime} \mathrm{H}$. Includes mountIng bracket imported. Shpg. wt., 4 lbs.

Net 11.95

## FERBALITE SOLID-STATE CAR REVERBERATION SOUND SYSTEM WITH COLORED LIGHTS



With 6x9' Speaker, Chrome Grill, and All Connecting Cables.

Only
$34^{95}$
No Money Down*


- For Car AM, FM, FM Stereo Radios and Tape Players - Tuneable ... Custom Fits Sound To Your Car - Can Be Used With Any 12-Volt Negative Ground System - Control Panel Provides A Myriad of Colorful Patterns

[^10]
## Slimline Underdash Car Radios \& FM Converters



# The Ultimate in FM Car Radio Entertainment 

 $89^{95}$Less Speakers

## - For 12 Volt Negative Ground Systems

Enjoy rich, vibrant FM stereophonic programming in your car with this magnificent performing FM stereo radio. Simpte to install under the dash with adjustable brackets-only 2 screws are required to mount the radio. Features powerful Hi-Fi audio circuit for true stereo sound reproduction on both channels. Stereo Indicator Lamp illuminates when station is receiving stereophonic sound. Deal channel
tone and velume controls. Balance control permits adjustment of channel separation for perfect sound balance. Illuminated slide rule dial. Specifications: 23 Transistor, 11 Diodes, Output 7 watts per channel. Seasitivity: $5 \mu \mathrm{v}$. For 12 V negative ground systems. Size: $9^{\prime \prime W} \times 11 / 2^{\prime \prime}$ x $61 / 4^{\prime \prime D}$. Shpg. wt., 4 lbs. Imported.
17 F 74561 Mo Money Down"
Net 89.95

See Page 273 foi Lafayette's complete listing of car speakers.

## DELUXE SOLID STATE AM CAR RADIO <br> For 6 or 12 Volts Negative or

## Positive Ground

Superb quality in a completely self-contatned universal AM radio. Features all-transistor circuitry for instant action, continuously variable tone control, built-in speaker, and slide rule dial for fast accurate tuning. AVC assures stable, fade-free reception of distant stations. Sensitivity; 10 mv ; peak audlo out: 2 watts; speaker: $31 / 2^{\prime \prime}$ round; 6 transistors, 2 diodes. Size: $17 / 8^{\prime \prime} \times 41 / 2^{\prime \prime} \times 9^{\prime \prime}$ For 6 or 12 Volt Negative or Positive ground. Imported. Shpg. wt., 5 lbs.

Net 29.95
SOLID

- Converts Your Existing 12 Volt Negative Ground AM Radio to the FM Band
Complefe auto radio entertainment at a minimum cost. All solid state circuit ( 6 transistors, 8 diodes) gives instant operation. Built in AFC permits drift-free reception of distant FM stations. AM/FM switch allows instant selection of AM or FM stations. Sim. plified installation. Sensitivity: 4 Mv . Size: $17 / 8 \times 4 \times 9^{\prime \prime}$. Imported. Shpg. wt. 4 lbs. 17 F 74207 No Money Down *..... Net 39.95



## - External $5 \times 7$ " Speaker

DELUXE SOLID STATE AM/FM CAR RADIO

- For 12 Volt Negative Ground

Complete auto radio entertainment in one compact unit. All solid state circuitry gives superb sound quallity on both AM and FM bands. This frim unit features a continuously variable tone controi, FM Multi-plex plug for adaption to FM stereo, and an external $5 \times \mathrm{Z}^{\prime \prime}$ heavy duty speaker for crisp. clear tone. 11 transistors, 1 thermistor, 8 dodes, RF stage, AVC, and AFC. Dimenstons: $17 / 64 \times 9^{\prime \prime}$. For 12 Volt Negative Ground. Imported. Shpg. wt., 6 lbs.
I7 F 74181 No Money Down* ........ Net 59.95


## Solid-State FM Converter For AM Car Radios

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

Includes: Mounting Bracket for UnderDash Installation, Fastener for Top of Dash or Console Installation, Antenna and Patch Cords.

Operates with no alterations to your present AM car radio by tuning to 1580 Khz and then turning on the FM converter. Tunes standard FM broadcasts from 88.108 MHz . Volume and tone are controlled from the AM radio. Features 8 transistors, 7 diodes and a bulit-in nolse filter for fine FM reception. Also includes vernier slide rule tuning dial with luminous scale and dial pointer, AFC for drift free reception and local/distance switch for optimum reception. Slimline design allows converter to be placed on or beneath dashboard with equal convenience. With all mounting hardware. Size: $13 / 4 \mathrm{Hx}$ $41 / 20 \times 51 / 2^{*} W$. Imported. Shps. wt., 2 lbs.

Net 29.95


- For 12 Volt Neg/Pos Ground Systems


## Custom Deluxe Solid State Ratios For Volkswagen Cars <br> Only <br> $34^{95}$ <br> No Money Down* <br> 

# DELUXE PUSHBUTTON SOLID STATE AM RADIO 

- Easy Snap-In Mount
- 3-Watts Audio Power

Just a snap to Install. Custom designed to snap into instrument panel on the dash board from the front. Mounts in a matter of minutes. Features all-transistor clrcult of advanced design which gives a full 3 -watts of superb audlo power. Automatic volume control provides constant, even comfort-level listening. Continuously variable tone control. Five quick-set pushbuttons dermit finger-tid station tuning.

## DELUXE PUSHBUTTON SOLID STATE FM-AM CAR RADIOS

- Complete with 5" Diameter External Speaker and All Mounting Hardware Seven tuned circults, including RF stage, glve maximum sensitivity, Full range variable tone control. For $6 / 12$ volts DC , negative ground system. Includes decorative trim panel, all hardware for installation. Imported. Shpg. wt., 6 lbs.
17 F 26405 No Money Down*
Net 34.95


## MANUAL SOLID-STATE AM CAR RADIO




- For 1967 Thru 19701300 Series Models
- 6-Inch External Speaker
- 11-Transistors, 2-Diodes

No Money Down * Snap-in Front Mount for Easy Installation Deluxe solid-state custom AM-FM radlo for all standard Volkswagen 1967-1970 models. Matches decor of car's interlor. All solid-state circuitry with hi-fi features. 11 -transistors, 2 -diodes. AFC on FM for drift-free performance. Push pull output. High sensitivity for lorig distance reception on both AM \& FM. 4-IF stages on FM. Continuous variable tone control. Snap-in front mount for easy instafiation. Large variable tone control. Snap-in front mount for easy
$6^{4}$ external speaker. Imported. Shpg. wt., 6 lbs.
6 external speaker. Imported. Shpg. Wt
17 F 74405 For 1967.1970 Volkswagens

Designed To Fit All Standard 6 or 12 Volt 1200 \& 1300 series Volkswagen
$27^{95}$ Cars Up To And Including 1970

- 5" External Speaker and all Necessary Mounting Hardware
Custom manual radio for all standard Volkswagen cars thru 1970 Operates on $6 / 12$ volt negative ground. Provides fine sound reproduction thry $5^{\circ \prime}$ round external speaker. Features ione control. slide switch. 7-transistors, 2-diodes, RF stage. Imported. 17 F 74264 Shpg. wt., 5 lbs.

Net 27.95 CUSTOM TRIM KIT For 1967 thru 1970 Volkswagen 1600 Special kit enables you to mount manual radios for VW cars Ilsted above in the VW 1600. ShDg. wt., 602.
17 F 55081
Net 2.95
Custom Solid-State Radios for Toyota Cars


PUSHBUTTON AM RADIO FOR TOYOTA CORONA

- With External 5x7" Speaker
- Push Pull Output With AGC
- Fits All Cars From 1967 Thru 1970 Models

No Money Down ${ }^{*}$
Fine performing custom radio. All sllicon solid-state circuitry. External $5 \times 7^{7}$ speaker for fine sound reproduction. Tone Control. Pushpull output with AGC. For 12 -volt negative ground systems. Shpg. wt. 6 lbs, Imported.
17F 80030
Net 34.95
Pushbution 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 1971). Shpg. wt., 6 bs. Imported.
17 F 80014


## PUSHBUTTON AM/FM RADIO FOR TOYOTA CORONA

- With External 5x7" Speaker
- AFC For Drift Free FM Performance
- Fits All Cars From 1967 To 1970

Alt silicon solid state circuitry with 8 .watt output. Features: bullt-in AFC to prevent drift bn FM and AGC. Colored dial lights for AM and FM. External 5x7" speaker. For 12 volt negative ground systems. imported. Shpg. wt., 6 los. 17 F 80006

Net 69.95
Pusabutton AM/FM Radio for Toyota Mark II
Same specs and teatures as above. but specifically designed for cusfom installation in Toyota Corona Mark 11 cars (1967 thru 1971). Imported. Shpg. wt. 6 tbs.
17F 80022

# Choose From A Big Selection of Quality Car Radios 

## OUR LOWEST COST Solid State AM Car Radio



## DELUXE SOLID STATE AM PUSH-BUTTON CAR RADIO

 with reversable face plate-black on one side, walnut on the other. 6.watt push-pull output with AGC. External $5 \times 7$ " speaker. Size: $61 / 4 \mathrm{~W} \times 43 / 4 \mathrm{O} \times 2{ }^{-H}$. Shpg. wt., 5 tbsw Imported. 17 F 80048 No Money Down* $\qquad$ Net 32.95
## SOLID STATE FM STEREO CAR RADIO



- Instant-on Silicon Transistor Circuitry - AFC "Drift Lock" Tuning - Stereo Indicator Light

Fill your car with full dimensional FM stereo sound. Deluze FM stereo car radio features stereo indicator light-illuminates when radio is recelving stereophonic sound. Has 4 -controls: On-0ff/ Volume; Tone; Balance to permit perfect adjustment of sound for each channel; and Tuning. AFC "drift lock" pinpoints and holds even the weakest FM station. Power Output 6 watts per channel. FM Sensitivity $3 \mu \mathrm{~V}$. For 12 V ., negative ground system. Designed for underdash mounting. Comes complete with mounting bracket. Size: $71 / 3 \times 21 / 4 \times 92 / 2=0$. Imported. Shpg. wt., 8 lbs.
17 F 58002 No Money Down*
Net 59.95
Set of two rear deck $3 \times 5^{\prime \prime}$ speaker systems. Imported.
99 F 62994 Shpg. wt., 3 lbs
Met 6.95

## SOLID STATE PUSHBUTTON AM/FM CAR RADIO



# Deluxe Selection of Solid-State Car/Portable Radios Sharp FX28A FM-AM Car/Portable Radio <br> <br> $39^{95}$ <br> <br> $39^{95}$ <br> - Install In Any 6 or 12 Voll Car or Boat System <br> - Use As A Portable, or On 117 VAC 60 Hz . With Built-in AC Line Cord 

Versatile "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 3 " C " Batteries (included). For Indoor use, it operates on regular 117 VAC household current with the AC line cord provlded. Pushbutton switches for tone. AFC, and Car antenna. 3-Controls: Tuning, On/OffVolume, and Band Switching. AFC for drift free FM reception. Ferrite bar $A M$ antenna, lelescoping FM antenna. Wide range $4 \times 23 / 4^{\prime \prime}$ oval speaker. Wood grain finish front panel. $2 \mathrm{H} \times 75 / 8 \mathrm{~W} \times 5 \mathrm{y} / \mathrm{a}^{\prime O} \mathrm{O}$. Imported. Shpg. wt., 53/4 lbs.
Complete with Car Bracket,
Lock and Key, Batteries, AC Line Cord, Earphone 17 F 53110 No Money Down*

Net 39.95 99 F 62572 Extra " ${ }^{\circ} \mathrm{C}$ " cells ( 3 required)

Net ea. . 14

## Sharp FYP-30 3-Band AM/FM/FM VHF Car/Portable Police Radio



## Tunes:

FM-VHF 150.176 MHz . High Band Police and 162.55 MHz U.S. Weather Bureau Forecasts AM $550-1600 \mathrm{kHz}$
FM 88-108 MHz.
Deluxe, mulli-purpose 3 -way solid state radio specially designed for use in car, as a portable, or in the home. Fealures dramatic FM-VHF High Eand ( $150-176 \mathrm{MHz}$ ) reception of police, fire, civil defense, and U.S. Weather Bureau forecasts. Also funes the standard AM and FM broadcast bands. As a car radio, It locks into its specially designed, under-the-dash bracket (supplied) and operates thru the car's 6 or 12 -volt electrical system. Outdoors it plays on 4 " $C$ " size flashlight celfs. Indoors it plays on 117 VAC with an AC line cord (supplied). Features: dynamic oval speaker and 2 -watt output for excellent sound quality; precision vernier slide-rule tuning dial. dial light (when operated on car battery); pushbutton tone control. earphone jack and earphone for personal listening; telescoping FM and FM-VMF antenna; ferrite core AM antenna. Dimensions: 71/2x $51 / 8 \times 2^{\prime \prime}$. U.L. listed. Imported. Shof. wt., 6 lbs. 17 F 53060 No Money Down

Net 49.95
Complete with Car Bracket, 99 F 62572 Extra "C' cells, 3 Required

Net ea. 14

## Lock and Key, Batteries, AC Line Cord, Earphone

Blaupunkt "Derby" 6 Band AM/FM/Shortwave Car/Portable Radio $79^{5}$ TUNES:


Less Mounting Bracket
Superb performing 6-band radio operates on 6 "D" batteries, 6 or 12 volt car electrical system with accessory car mounting bracket, or 117 VAC 60 Hz with accessory adapter. Listen 10 exciting International Shortwave broadcasts as well as standard AM and FM broadcasts. Features battery and tuning indicator, dial illuminator, AFC on FM, separate bass and treble control, heavy duty wide range speaker Size $97 / 4 \times 73 / 4 \times 31 / 3^{*}$. Imporied. Shpg. wt., $61 / 4$ Ibs. 17 F 15218 L No Money Down negative ground). Shpg. wt., $33 / 4$ lbs. 17 F 15226

Net 18.25 17 F 15200117 VAC, 60 Mz AC adapter- 602 Net 7.95 99 F 62564 " $D$ " batteries ( 6 .rea.) for portable use .. Net ea. 15
PANASONIC 7270 CAR PORTABLE AM-FM RADIO/CASSETTE RECORDER
 performing tape player/recorder

As a superb FM-AM radio

## ga95

 A complele portable entertainment center for portable or car use. Listen to supert standard FM and AM broadeasts-or enjoy hour aftet hour of fine music by simply inserting a pre-recorded cassette tape. You call also record your own music from the radio itself, of from an optional remote control mike. Recorder is easy to use-No tape threading. Features capstan drive- $17 / 8$ ips. constant speed. Operates from any 6 or 12 voit car battery with accessory mounting bracket, or as a portable with 5 " $D$ " batteries (included). Features $6^{\prime \prime}$ dynamic speaker for rich hi-fi sound, Ferrite core and built-In telescopic whip antenna, continuous tone control, AFC on FM, 2 watt output, dial light and vernier tuning. 17 transistors and 10 dlodes. Dim. $11^{" W}$ W $31 / 2^{" H \times 11 " D . ~ S h p g . ~ w t ., ~} 10$ lbs. Imported. With batteries. 17 F 30688w No Money Down*Net 99.95
ACCESSORIES FOR 7270
17 F 30696w Car Mounting Bracket with Lock. Shpg. wt., 4 Ibs. 19.95 17 F 31850117 VAC Adapter. Shpg. wi., 6 oz. .................Net 9.95 99 F 62564 Extra "D" Batteries- 5 req. Shpg. Wt., 301.

- Sce Pare 11 for linll Circilit Derails on Liusy Pay Plan


## Search the World For Excitement on Shortwave

## For Use As A Portable, Home Radio, Auto Radio, Boat Radio

## Deluxe Nordmende 15-Band Globetraveler III AM/FM/SW Radio

The entire world of radio listening pleasure and excitement is at your finger tips. Includes standard AM broadcast band, FM, Marine Band, LW Weather-Navigation Band and 11 shortwave bands. Outstanding features: Built in AC with compartment for AC cord, Drum dial for all 11 shortwave bands, and I.F. Bandwidth switch. 2-speakers: $5 \times 7^{\prime \prime}$ woofer, $21 / 2^{\prime \prime}$ tweeter. Separate jacks for earphone, external speaker, phonograph, tape recorder, and separate ampllfier. A built-in ferrite antenna for AM, a telescopic antenna for FM, and an additional telescopic antenna for SW increases its sensitivity and selectivity. Also includes tuning meter and battery tester, AFC On FM noise filter on AM and SW. Separate bass and treble control. 15 transistors and 12 diodes. Wood cabinet covered with scuff-proof black vinyl. $121 / 9 \mathrm{~W} \times 81 / 8 \mathrm{H} \times 4^{\circ \prime \mathrm{D}}$. Imported. Shpg. wt., 11 lbs.
17 F 72171 wX No Money Down*
Net 169.95
Globetraveler IV 16 Band AM/FM/SW/FM-VHF Police Radio. Same features and specifications as Globetraveler III, except cannot be used as a car or boat radlo. Operates only on 5 " $D$ " batterles or 117 VAC with bullt-in AC line cord. Includes $147-174 \mathrm{MHz}$ FM-VHF band enabling you to listen to police and fire calls, as well as $162.55 \mathrm{MHz} \mathrm{U} . \mathrm{S}$. Weather Bureau Forecasts.
17 F 72185 WX No Money Down* Shpg. wt., 11 tbs,
Net 189.95
Globetraveler PRO 15 Band AM/FM/SW Radio with BFO. Same features as Globtraveler 111 except tunes 10 meter and 11 meter bands instead of the 59 and 61 meter bands. Includes BFO (Beat Frequency Oscillator) enabling the listener to tune in on amateur SSB broadcasts and receive code signals. Imported. 17 F 72193 wX Shpg. wt., 11 lbs. No Money Down*

Net 209.95
Accessories for Globetraveler Radios
17 F 72094 U Universal 6 or 12 volf car boat mounting Bracket with lock. 4 lbs. Net 22.95
99 F 62564 " $D$ " type Flashllght Batteries. 5 required
Net .15

## $169^{95}$

Instant-On Solid State Circuitry

## 15 Exciting Bands:

$\begin{array}{ll}\text { AM Broadcast } & 540-1600 \mathrm{kHz} \\ \text { FM Band } & 88-108 \mathrm{MHz}\end{array}$

M8 Marine LW weather 80 meter band 61 meter band 59 meter band 49 meter band 41 meter band 31 meter band 25 meter band 20 meter band 19 meter band
16 meter band
13 meter band

## For The Person Who Wants A Radio That's Really Different

FM/AM Solid State Camping Radio
$49^{95}$ With Batterles and Earphone

- Bullt-in Flashlight with Red Filter
- Built-in Thermameter, Humidity Indicator, and Compass.

The perfect companion for the traveler or outdoors man. This quality performing AM/FM radlo has a bulft-in $\mathrm{hl} / \mathrm{lo}$ beam flashlight and red filter for emergency warning. Unique features Include ther: mometer, humidity indicator, and compass. Operates on 4 "D" flashight or rechargeable alkaline manazan batteries (included), or, on 117 VAC house current. Convenient vinyl belt for easy carrying. AFC for drift-free FM performance. All sllicon transistor circuitry with AGC. FM telescopic rod antenna, AM Ferrite bar antenna, dial light switch, AC Power lamp, charge indicator, and tuning/battery meter. Earphone for private ifstening. Larze ' $31 / 2$ " speaker. Size: $101 / 4 \mathrm{~W} \times 77 / \mathrm{HH} \times 27 / 0^{\circ \mathrm{D}}$. UL Uisted. imported. Shpg. Wt., 5 lbs.
17 F 53144 L No Money Down*
Net 49.95

## Solid State AM Radio Make-up Mirror



- It's the perfect gift item.
- Swivel Mirror is Magnified On One Side

The radio that permits a gal to make-up to music, or touch up to talk shows. The man of the house may even shave while listening to news. Swivel mirror is magnified on one side. Newly designed Instant-on solid state AM superheterodyne circuitry and automatic Gain Contrwi (AGC) assures highly sensitive AM radio reception. Ferrite bar AM antenna; 4 make-up lamps. Uniquely styled cabinet of durable plastic. Operates on 117 VAC. 60 Hz . Rich sound reproduction from dynamic speaker. Size: $11 \% \mathrm{WW} \times 117 / \mathrm{H} \times 21 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., 4 lbs. Imported. UL Listed.
17 F53151L

# Personal Black and White Solid State Portable TV Sets 

 $69^{95}$

With Earphane for Private LIstening UL Listed
9 Inch Picture Measured Diagonally

- 82 Channel UHF/VHF Reception

Styled in a modern mood, off-white and ebony with accents of silver Transistorized clicultry. 44 square Inch, $90^{\circ}$ deflection, aluminized picture tube. Front-mounted $3^{\prime \prime}$ speaker for fine sound. Front-mounted controls for greater convenience. Separate UHF and VHF tuning knobs. With "Split-Second Start" for instant picture . . . instant sound. Telescopic VHF and loop UHF antenna. Earphone and jack for personal listening. Size: $9 \% \times 13 \% \times 95 / 8^{\prime \prime} 0$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Im ported. Shp? wt., 18 lbs.
17 F 53169 wx No Money Down*
Net 69.95
NEW Slimline Personal Portable UHF/VHF TV Set

$79^{95}$
With Earphone for Private Eistening UL Listed
12 Inch Picture Measured Diagonally - 82 Channel UHF /VHF Reception Big 82-channel reception lets you enjoy all stations, present and future. Split-second start-instant picture, instant sound. $110^{\circ}$ aluminized picture tube produces rich black and white, and brilHant high-ights. UHF slide rule tuning dial. Rotary VHF funing dial $31 / 3^{n}$ dynamic oval speaker, VHF telescopic unidipole antenna, and a rear mounted UHF loop antenna. Earphone for private llsten ing. Walnut grain finish. For 117 VAC. 60 Hz . Imported. UL listed. $13 \% 0 \times 133 / 8 \times 10 \%_{1} "^{\prime \prime} \mathrm{D}$. Shpg. wt., $191 / 2 \mathrm{ibs}$.
17 F53177wX No Money Down*
Net 79.95

## NEW Panasonic AN 76 UHF/VHF TV Set



16 Inch Picture Measured Diagonally

## 1095

- UHF 14-83 VHF 2.13
- $110^{\circ}$ Deflection Aluminized Picture Tube

Big screen entertainment in a lightweight economical set Advanced transistorized circuitry. Set and Forget tuning plus speed-0-Viston controls. Dynamic Speaker is front-mounted. Sensitive VHF telescopic and UHF loop antenna. Retractable Handle, Molded grey and charcoal cabinet. Size $14 \times 20 \% 6 \times 13 \%{ }^{\circ}$. For 117 VAC, 60 Hz . Imported. Wt., 30 tbs .
17F 31876 wx No Money Down
Net 109.95


Rich, contemporary styiling in ebony and gleaming chrome. Operates on 117 V ., 60 Hz AC ; optional rechargable 12 -volt battery, or, 12VDC car/hoat battery. Blach 7 -in dlagonal screen gives superb contrast. All solld-state circuitry that includes new passivated mesa transisfors and a forward AGC system for sensitive reception. Bullt-in UHF telescoping antenna and front mounted speaker. With earphone, UHF loop antenna, built-In battery charger. Size $9 \%, H \times 9 W \times 111^{\prime \prime} \mathrm{D}$. For 117 V ., 60 Hz AC . Imported. Shpg. wt., il ibs 17 F 32550 WX No Money Down*


## Net 109.95 <br> Sony TV-920U Portable TV

8 Inch Picture Measured Diagonally

## - Channel Coverage: VHF 2.13, UHF $14-83$

Weighs only 10 lbs ! Features $\mathbf{8}^{\prime \prime}$ sunglass picture tube (measured diagonaliy) for periect outdoor and Indoor viewing. 25 transistors plus 13 dlodes assures sensitive reception even in fringe areas Operates on all power sources: optional rechargable 12 volt battery; 12VDC car/boat battery, or $117 \mathrm{~V} ., 60 \mathrm{~Hz}$ AC. Bulit-In VHF telescoping antenna, front mounted controls, push-pult on/off switch and front mounted speaker. With earphone, VMF telescoping antenna, built-In battery charger. Size: $10 \mathrm{H} \times 9 \mathrm{~W}^{2} \times 834^{\prime \prime} \mathrm{D}$. im. ported. Shpg. wt., 12 lbs.
i) F 32809 Wx No Money Down* Net 119.95


Sony TV-110V Portable TV New Low Price $129^{95}$

With Earphone. Loop Antenna for UHF Snap-In Sunglass filtei

11 Inch Picture Measured Diagonally

- Channel Coverage: VHF 2.13, UHF 14.83
Big $11^{11}$ screen measured diagonalily. Lightweight enough to be carried anywhere. Snap-In sunglass filter provides bright, glare-free reception In any light, Super sensitive solld-state circuitry, Built.in VHF adjustable telescoping antenna. UHF loow antenna. Front mounted oval speaker. 27 -transistors, $\mathbf{1 5}$-diodes, 1 -rectiffer, Contemporary styling in black with sliver trim. Size: $115 / 8 \times 111 / 4 \times 11 \frac{1}{2}$ "D. Imported. Shpg. wt., 17 lbs.
17 F 32791 wx No Money Downe $\qquad$ Net 129.95


## ACCESSORIES for SONY PORTABLE TV'S

Model BP/7 564. Shoulder rechargable battery pack.
17 F 32296 shpg. wt. $73 / 4$ lbs. $\qquad$ Net 22.95
Model OCC-2AW. Car battery cord. For $12 \mathrm{~V} /$ neg. ground systems. 17 F 32304 Shpg. wt., $1 / 2$ lb, Net 14.95
Model VCA-14. Car window antenna. Shog. wt., 1 ib
17 F 32601

## Dynamic New Concepts in TV Viewing

NEW Panasonic AN-409TA Portable
NEW PanasonicTR-425R Portable


- 9 Inch Picture--Measured Diagonally
- 31/2 Hour Shut-Off Timer
- Channel Coverage: VHF 2-13, JHF $14-83$
- Detachable Tinted Screen

Tomorrow's look featuring built-in digital clock. Up to $31 / 2$ hour sleep timer with automatic shut-off. 38 square Inch viewing area. $90^{\circ}$ deflection aluminized picture tube plus 10 -tube 8 -solid-state component circuitry dellvers sharp 'black and white" pictures. Instant On with "one touch" On/Off power switch. Sliding vertical controls for contrast, brightness and pre-set volume. VHF-UHF antennas. $3^{\prime \prime}$ up-front speaker. With earphone aod retractable handle. Charcoal grey, ivory trim. For 117 VAC., $60 \mathrm{~Hz} .93 / 4 \times 15 \times 11 \mathrm{mD}$. Shpg. Wt, 14 libs. Imported.
17 F 31884 W No Money Down*
Net 99.95


- 5 Inch Picture-Measured Diagonally
- Hide-away Screen Pops Up for Viewing
- Channel Coverage. VHF 2-13, UHF 14-83


## $149^{95}$

- Built-in Rechargeable Panalloid Eatteries
"The solidsstate TV that lives in a radio." With the screen down, the set tums "off" automatically and you have a smart attache. styled FM/AM radio. Pop-up the screen and If becomes a TV. Plays on Panalloid rechargeable batteries (included). With the AC adapter (included) you can recharge the batteries as well as operate the set at home. Telescopic monopole/bowtle antennas. Front-mounted dynamic speaker provides rich, resonant sound. Silde rule UHF and radio tuning. With sun shield and an earphone for private listening. Pop-up chrome hande for easy handling. Slize: $51 / 2 \times 11 \times$ $12^{*}$. Imported.
17 F 31892 WX Shpg. wt., 15 lbs.


## ArI Panasonic AN-112T Portable TV with Full Feature Digital Clock



12 Inch Picture Measured Diagonally

- Earphone for

Private Viewing

- VHF: $2-13$
-UHF: 14.83
- UHF: 14.83

An exciting portable TV-with full feature digital clock, sleep timer, alarm and slidelever controls. Set TV to turn off automatically, pre-set it to wake you up to TV or alarm in time to view your favorite show. Monopole VHF and bowtie UHF antennas puli in signals strongly and clearly. Up-front dynamic speaker. the clock face lights up for easy nighttime viewing. The sleep timer shuts the set off automatically after up to 3 hours of viewias. Complete with personal earphone. For 117 VAC 60 Hz Size: $117 / 8^{\prime \prime} \times 181 / h^{\prime \prime} \times 1112^{-2}$. Imported. 17 F 31918 Wx Shpg. wt., 20 lbs. Net $\$ 99.95$

NEWPanasonic "Mica 1" AC/Battery Micro Miniature IC TV Set

$11^{\prime \prime}$ Screen Measured Diagonally

- VHF and UHF Reception
- Built-in Rechargeable
$249^{5}$ Batteries
Television of the future. Revolutionary Mirco-Miniature battery/AC Portable TV. Fits into the paim of your hand. Advanced integrated circuits. Operates on fast recharge Nickel Cadium batteries (built-in) which have a life span of over 800 hours. An AC adapter included serves both as a recharger and a means of home operation. Features 3 if stages, monopole VMF/UHF antenna, dynamic speaker, private headphone, a set of extra batteries, wrist strap, 3nd soft feather carrying case. Size: $41 / 4 \times$ $21 / 4 \times 64 /{ }^{\circ} \mathrm{M}$. Imported. Shpg. Wtos, 3 tbs. 17 F 31 90cy


Sony "Trinitron" KV-1200u Single Gun Color TV Set


12 Inch Picture Measured Diagonally

- Earphone for

Private Viewing

- VHF: 2.13
- UHF: 14.83


## $299^{95}$

Sony's color system, Trinitron, is the industry's newest idea in color TV design and engineering. The Trinitron system is entirely different from conventional color tubes. A newly designed single color gun was comblned with a color defining mechanism called an APERTURE GRILLE to deliver magnificent true-to-life color TV. Solld state circuitry assures great reliability. Hue, color, brightness, and contrast controls. VHF dipole antenna and UHF loop antenna. Front mounted speaker, For 117VAC 60 Mz . Imported.
17 F 32908 WX Wt., 38 los.__ Net 299.95

## PANASONIC "PANACOLOR" TV SETS



2995Channel Coverage UHF: 14.83 VHF: 2.13 g" Picture Measured Diagonaliy
Magnificent solid-state $9^{\prime \prime}$ diagonal screen color portable. Automatic color circuits reg. , ulate the color according to the strength of received signals. The dipole/bowtie antenna pulls in signals sharp and clear for best possible reception. Automatic degaussing, instant-on Speed-0-Vision Picture, glare free detachable dark tint screen, and a private earphone assure accurate. quick and comfortable viewing. Size: $10 \times 131 / 4 \times 141 / 4^{\prime \prime}$. For 110 VAC 60 Hz . Imported.
17 F 31926 WX Shpg. wt.. 27 lbs. Net 299.95


A handsome portable color TV with 145 square inch viewing area. Styled in woodgrain finish. Features Pana-Color rare earth phosphors which are deposited onto the face of the $90^{\circ}$ deflection picture tube to produce pure, rich color signal "particles" that blend into pictures of the highest clarity and fidelity. Automatic Degaussing and a Noise Cancellor Circuit regulate color signal strength. A special feature is Panalock: simply touch a button and the color fine tuning on each channel is instantly locked in. Sensitive VHF and UHF antennas pull in sharp and clear signals. $5^{\prime \prime} \times 3^{\prime \prime}$ oval speaker provides full bodied, rich sound. Comes complete with a personal earphone for private listening. Size: $211 / 4147 / 6 \times 191 / 4 "$. For 117 VAC 60 Hz . Imported. Shpg. wt., 54 lbs.

## ELEGANTLY STYLED AND DESIGNED PANASONIC RADIOS

NEW

Panasonic RF-60 Solid State FM Stereo Headset

## Panasonic RC-7469 Solid State AM/FM Digital Clock Radio



TELLS TIME BY THE NUMBERS ... NOT THE HANDS

## 5995

- Easy Time Reading
- Easy Time SettingPreset Time Once

[^11]Panasonic RC1089 Solid State AM Clock Radio



Compact and futuristic in design with full size clock face. Preset the clock and you can awaken to crisp clear sound from the sensitive AM radio, Easy-to-see sllde rule dial. $21 / 4$ " dynamic speaker. Built-In ferrite core antenna. Beautiful antique white finish. Size: $61 / 4 \mathrm{H} \times 50 \times 35 /{ }^{-1} \mathrm{~W}$. For 117 VAC, 60 Hz . Imported. Shpg. wt., $21 / 2 \mathrm{lDS}$. 17 F 31538

## PANASONIC and SONY-Radios of Distinction

 Battery/Electric AM/FM Portable
## $9^{89}$

Gift-boxed With Earphone and Baftery

- Instant-on Solid State Circuitry

Funtoving spherical styling, unique easy-grip controls and carrying chain. Sensitive built in ferrite core antenna pulls in both local and distant stations loud and clear. A 24/a" PM dynamic speaker delivers rich sound. Size: $439^{\prime \prime} \mathrm{D}$. Imported.
17 F 31975 L Shpg. wt., 2 lbs. .......Net 9.88
99 F 60212 Extra 9V Battery
Net 21

## $39^{95}$

Gift-boxed With Earphone and Batteries No Money Down.

Handsome midnight black padded leatherette cabinet. Operates on 4 " AA " batteries or regular house current. The sensitive $F M$ and $A M$ antennas assure excellent reception from stations Iar and near. Sliderule funing. AFC on FM locks in signal for crystal clear, drift-free reception. The 4" PM dynamic speaker reproduces brilliant sound. The earphone jack lets you enjoy your own private listening. Size: $83 / 4 x$ $5 \% \times 3^{\prime}$. Shpg. wis, $44 / 4$ lbs. Imperted. 17F31967L ..................... 39.95 Extra "AA" batteries. Shpg. wt., 4 oz.
 controls for bass and treble

- Large 4" Speaker


## NFW Sony $3 F-85$ Solirid State AM/FM Pocket Radio

## NFW Deluxe Sony TFM-1600W Solid State 7 Band AM/FM/SW Portable Radio



Handsome FM/AM pocket radio. Easy finger tip tuning. Vertical slide rule tuning dial for pin-point station selection. Earphone for prit vate listening. Black case with choome trim. Telescoping FM antenna. Bulit-in territe bar AM antenna, size: $45 / 8 \times 3 \times 11 / 2^{\prime \prime} D$. Shpg. wt. 2 lbs. Imported.
17 F 329161
Net 24.95
Extra "AA" Batteries. Shpg. wt., 4 oz. 99 F 62580 $\qquad$

## NFW Deluxe Panasonic RE-7500 Hi-Fi AM/FM Table Radio

$79^{95}$

- $61 / 2$ "Air Suspension Speaker - Phono and lape Input Jacks
- Sliding Calibrated Bass, Treble and Volume Controls

Hand-rubbed wainut wood cabinetry. Handsome front panel. Brushed aluminum controls, black grilie cover and hidden dial face combine to create that look of total elegance. The FM and AM antennas, built into the set, pull in local and distant statlons loud and clear. Black-out and illuminated rotary slide-rule tuning. $642^{\circ}$ hi-fidelity air suspension speaker. AFC on FM locks in signal for crystal clear, drift-free reception. Two external speaker jacks lets you hook up optional extension speakers. Complete with external antenma terminal. Size: $15 x$ $91 / 5 \times 7 \%$ ". imported. Shpg. wt., $131 / 2$ lbs.
17 F 31959 W No Money Down*

## 9995

 With Earphone and BatieriesDeluxe 6-band portable radio pults in worldwide programs on 4 Short Wave Bands. Also receives standard FM and AM broadcasts with sharp, velvety sound. Impressive 1.7 W power output through a big $a \times 6^{\prime \prime}$ oval speaker. Tuned RF amplification for FM and AM increases selectivity and sensitivity. Flywheel tuning for smooth and accurate station selection. Features: AFC switch. Local/ Distant switch, continuous tone control and tuning metter, high power antenna system and dial Hight. Operates on 4 " 0 " batterles (included) or AC house current (AC cord built-In). Antenna systems FM/SW telescope antenna, AM built-in ferrite bar antenna, ex. ternal antenna terminal. Dark grey and chrome cabinet. Size: $11 \% \times 83 / 4 \times 31 \mathrm{~K}_{6}{ }^{\prime} \mathrm{D}$. 17F 37924 L No Money Down.

Net 99.95 99 F 68564

OX.
Net


FREQUENCY RANGE:
$\begin{array}{ll}\text { FM } 87.5-108 \mathrm{MHz} & \text { SW2 } 3.5-7 \mathrm{MHz} \\ \text { AM } 530-1,605 \mathrm{kHz} & \text { SW3 } 7.14 \mathrm{MHz} \\ \text { SW1 } 1.6-3.5 \mathrm{MHz} & \text { SW4 } 14.26 .1 \mathrm{MHz}\end{array}$


## LAFAYETTE Solid State AM Pocket Portable Radio



Beautifully styled instant play AM pocket radio. Engineered and constructed with the jewellilke precision of a fine watch. Powerful 21/4" speaker provides clean, crlsp tone. Features professional vermier slide rule tuning dial, and 3 IF transformers for superb sensitivity and selectivity-gives you real pulling power for stations both near and far. Superheterodyne circuit utilizes the latest spaceage solid state devices. Built-in ferrite antenna. Operates on only one inexpensive 9 -volt battery. Includes vinyl carrying case, batteries and earphone for private listening. Color: Black. Size: $41 / 2 \mathrm{H} \times 23 / 4 \mathrm{~W} \times$ $11 / 4^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., $13 / 4 \mathrm{lbs}$.

99 F 60212 Extra 9-volt Battery
Net 7.95
Net 21

Deluxe Lafayette AM/FM Pocket Portable Radio


With Carrying Case, Earphone and Battery

- Precision Slide Rule Tuning Dial

Supersensitive, power-packed beauty provides sparkling periormance on both $F M$ and $A M$ and measures only $276^{\prime} W \times 43 / /^{\prime \prime} H \times 11 / 2^{\prime \prime} D$. Advanced solid state superheterodyne cifrcuit gives you real pulling power of stations both near and far. Built-in AFC circuitry to prevent drift on FM. Features slide rule dlal and logging scale for precise tuning. Large $21 / /^{\prime \prime}$ dynamic speaker reproduces voice and music with fine tonal balance. Ferrite rod antenna for AM, telescoping antenna for FM. Superbly styled and constructed die cast front. Powered by single 9 volt battery. Includes earphone for private listening, battery, and handy carrying strap. Imported. Wt. $11 / 2 \mathrm{lbs}$ 99 F 35248 L
Extra 9 volt battery for above 99 F 60212

Lafayette 2-Band Solid-State Battery/Electric AM/FM Portable


## 1795

with earphone and batteries

- Plugs Into Any AC Outlet or Plays Anywhere on 6 " $A A^{\prime \prime}$ " Batteries
Smartly styled, full-sized personal AM/FM portable. Handsome, olive leatherette cabinet with beige and chrome trim. Provides excellent FM as well as AM reception. Comes gift packed with earphone and batteries included. Features precision sllde rule dial with logging scale, and wide range dynamic speaker for clear. crisp tonal quality. 9 transistors and 4 diodes. Telescopic FM antenna and ferrite core AM antenna. Size: $43 / 4 \times 73 / 4 \times 21 / 2^{\circ} D$. Imported. Shpg. wt., 3 lbs.
17 F 01770 L
99 F 62580 Extra " $A A^{\prime \prime}$ bat. ( 6 req.)
Net 17.95
Net ea. . 10


## NEW! Solid-State Micro Wrist AM Radio



## Lafayette Battery Electric Multiband Portable Radios

Deluxe Lafayette Battery/Electric 2-Band Solid-State AM/FM Portable ONLY $22 \underset{\substack{\text { and } \\ \text { and barphonorese }}}{95}$

- AFC for Drift-Free FM Reception
- Precision Slide Rule Tuning
- Superb Tone with Wide Range $31 / 2^{\prime \prime}$ Speaker Supersensitive AM/FM poriable radio in a deluxe cabinet with a blg $31 / \mathrm{z}^{\prime \prime}$ wide range speaker for magnificent tone. Features one RF and three IF stages for extremely high sensitily ity and selectivity, enabling the listener to hear more statlons. Operates on 4 "C" batteries of 117 VAC with bulit-in line cord. Precision slide rule dial with logging scale. AFC on FM to prevent drift. Pushbutton control for FM or AM. Telescoping FM and ferrite core AM antennas. 10 transistors and 5 diodes. AC/OC switch. Attractive metal front panel with chrome trim. Rugged, black leatherette case. With earphone and 4 "C' batteries. Size: $55 / 8 \times 9 \times 21 / 2$ ". Imported. Shpg. Wt. 4 lbs.
17 F 017881
Net 22.95
S9 F 62572 Extra "C" bat. ( 4 req.) ___ Net ea. . 14 Self Storing AC Lise Cord



## NEW Lafayette Battery/Electric Solid-State 3- Band AM/FM/SW Portable

Tunes 3 Bands
AM: $530-1600 \mathrm{kHz}$
FM: 88.108 MHz
"' 29
95
with sarphone
SW: 3.8-12 MHz
and batteries

- Vernier Slide Rule Tunling
- Powerful Wide Range $31 / 2$ ² Speaker
- AFC for Drift-Free FM Reception

Enjoy the finest in drift-free reception-hear your favorite news, sports, weather and special events on AM radio. Hear symphony concerts, world renowned soloIsts, jazz bands on FM radio. Tune in Parls, Rome, London, Moscow and dozens of other cities on the International Shortwave band. This superb radio operates on 4 " $C$ " batterles or on standard 117 VAC house current. Comes with convenient carrying handle for effortless portabinity. Features $A C / D C$ switch, logging scale for prectse tuning, color-coded band indicator, and AFC for drift-free FM reception. Telescoping antenna for FM and SW. Ferrite bar antenna for AM. Instant-on solid-state circuitry, earphone fack for private listening. Biack padded, simulated leatherette cabinet. Size: $87 / 8 \mathrm{~W} \times$ 7y/4H $\times$ 3"D. imported. Shpg. wt., 5 lbs. 17 F 02307 L


Lafayyette Battery/Electric 4-BandSolid-State AM/FM/SW Marine Portable TUNES 4 BANDS
AM: $530-1600 \mathrm{kHz}$ ONLY
$\mathrm{MB}: 2.5-6.5 \mathrm{MHz}$
FM: $88-108 \mathrm{MHz}$
SW: $9-18 \mathrm{MHz}$

- Precision Slide Rule Tuning Dial with Logging Scale


## - Self-storing AC Line Cord

Superb performing 4-band portable radio for all around use. Use it to travel the world with international shortwave. Use it to listen to the Marine band: ship-to-shore, and up to the minute weather forecasts. Use it for listening to FM and AM broadcasts. Separate AC/OC switch permits you to play this fine portable on 117 VAC, 60 Hz or with 4 economical "C" batteries. Large $31 / 2^{2}$ full range dynamic speaker for outstanding toral quality. Built-in ferrite core antenna for AM and tele. scoping antenna for FM, Marine and SW bands. Handsome black padded, simulated leatherette cabinet with die-cast frame and chrome grill. Size: $97 / 8 \times 6 \times 31 / \mathbf{z}^{-2}$ Imported. Shpg. wt., 7 libs. 17 F 01796 No Money Down*

Net 39.95 Extra "C"' batteries for above. 4 required. 99 F 62572 Shpg. wt., 4 oz. Net ea. 14


Hesdphene Earphore


Externas antenn:


## Deluxe LAFAYETTE "Star-Fire ${ }^{\circ}$ Vl" 6-Band 18-Transistor AM/FMISWIFM-VHF Police Portable Radio

DNLY 7095<br>No Money Down*

Includes Batteries, Earphone and Booklet of Worldwide Shortwaye Stations

## Tunes:

- FM VHF Police and Fire Broadcasts 147.174 MHz
- Low Band Marine Weather: 1.6 to 4.5 MHz
- International Shortwave 1: 4-10 MHz
- International Shortwave II: 10.23 MHz
- Standard AM: $535-1605 \mathrm{KHz}$
- Standard FM: 88-108 MHz
- Weather Bureau Forecasts- 162.55 MHz

Deluxe Star-Fire VI speaks all the languages of the world. Powerful 18 -transistor and 7 -diode solid-state circuitry provides extremely high sen. sitivity. Cover has worldwide shortwave time zone chart. Monitor exciting police radio calls on the 147.174 MHz VHF band. Also features: AFC to eliminate drift on FM, push-button controls, tone control, dial light, tuning/battery strength meter, bulit-in compass-point indicator, black leather cabinet with die-cast front telescoping antenna for FM, SW and VHF reception. Supplied with earphone, 4 " $D$ " type batteries and booklet of worldwide shortwave stations. $12 \times 91 / 2 \times 41 / 2 " \mathrm{D}$.

Imported. Shpg. wt., $94 / 2$ lbs.
99 f 35263 w.................... 79.95
Extra "D" Batteries (4-required). Shpg. wt., 40 oz . 99 f 62564

Net ea. . 15
AC Adapter for Star-Flre VI. Shpg. wt., 6 oz.
99 f 35412


## LAFAYETTE Battery/AC 6-Band Solid-State AM/FM/SW Portable Radio

## International Shortwave Bandspread On 4 Bands for Pinpoint Tuning Accuracy

SW-1: $5.95-6.25 \mathrm{MHz}$
SW-2: 9.45 - 9.7 MHz
SW-3: $11.65-12.0 \mathrm{MHz}$
SW-4: $15.05-15.5 \mathrm{MHz}$
ONLY $_{4} 95$

## Also Tunes Standard

 AM and FMBatteries and Earphone

Pinpoint tuning accuracy for the widest pick of international shortwave broadcasts and the Volce of America. Listen to these exciting and informative programs at the flick of a switch. For best all around reception, this radio has two antennas: a telescoping swivel antenna for the clearest possible shortwave and FM reception and a built-in ferrite bar antenna for greater AM range. Wide range $31 / 2^{\prime \prime}$ speaker delivers extra clear and rich AM and FM broadcasts. Automatic frequency controi (AFC) locks FM to strongest signal, thus preventing drift. Continuous tone control. Rotary band selector. 12 transistors and 5 diodes. Handsome, high impact styrol leather grain cablnet with integrated carrying handle and chrome plated sides with leather insert. External antenna and earphone jacks. Complete with batteries and earphone. Operates on 4 "C" batteries or 117 VAC, 60 Hz with self storing $A C$ line cord. Size: $63 / 4 \times 101 / 2 \mathrm{x}$ $31 / 2^{\prime 2} \mathrm{D}$. Imported. ShPR. wt., 6 lbs .
17 F 01804 L No Money Down ${ }^{*}$


- See Paze II for Full Credit Details on Easy Pay Plifu
Feature-Packed Lafayette Specialty Radios




# NEW Deluxe Lafayette "Air Master 400" 4-8and 17 Transistor FM/AM/Police/Aircraft Portable Radio 



- Variable Squelch Control for Tuning FM, AIR and Police Bands
- Record Output Jack
- Operates on 4 "D" Batteries or 117 VAC
- Large 4" Speaker for Magnificent Tonal Quality
- Precision Slide Rule Tuning Dial
- Tunes U.S. Weather Broadcasts on $162.55 \mathrm{KHz} \dagger$

Guardian II 2-Band Solid-State
FM.VHF and AM Police Radios


## HIGH BAND

LOW BAND
FM-VHF - 147.174 MHz FM-VHF - 30-50 MHz $A M \quad-540-1600 \mathrm{kHz}$ AM $\quad-540-1600 \mathrm{kHz}$
13
95 with earphones
21
95
with earphones and batteries

HIGH BAND FM.VHF POLICE ANO AN RAOIO. Listen to the drama of everyday life with this exciting radio. Monjtor local and state police, as well as fire departments. $\mathbf{1 6 2 - 5 5} \mathrm{MHz}$. U.S. Weather Bureau stationst, civil defense, and emetgency public services. Includes standard AM band. Loaded with these outstanding features: 2 RF stages, 4 If stages, slide rule logging scale for precise tuning, ferrite rod AM antenna, teiescoping VHF antenna, large $3^{\prime \prime}$ speaker for supert fidelity. Handsome black case with silver trim. Earphone jack for private listening. Operates on 4 "AA" type batteries (included) or 117 VAC with optional AC adapter. 11 transistors, 4 dlodes, 1 thermistor. $7 W \times 41 / 0 \mathrm{H} \times 2 \mathrm{~K}_{6}{ }^{\prime 2} \mathrm{D}$. Imported.
99 35222L Shpg. wt., $21 / 4$ lbs.
Net 21.95
LOW BANO FM VHF POLICE ANO AM RAOIO. Same delure features and specifications as above Police radio but tunes low band $30-50 \mathrm{MHz}$ instead of High Band. Imported. Shpg. wt., $21 / 4$ lbs. 99 F 35347

Net 21.95
ACCESSORIES FOR GUARDIAN II POLICE RAOIOS

| Stock No. |  | Description | Shpg. Wt. | Net Ea. |
| :--- | :--- | :--- | ---: | ---: |
| 99 F 35362 | AC Adapter | 12 oz. | 3.95 |  |
| 99 F 62580 | Extra "AA" Batteries (4 required) | 3 oz. | .10 |  |



The "Air Master 400" Is a professionally designed portable radio that tunes Standard AM Broadcasts, Standard FM Broadcasts, FMVHF 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. Self-Storing AC line cord for 117 VAC house current. Also operates on 4 "D" cell batteries. Telescoping antenna for FM, Police and Aircraft: built in loopstlak antenna for AM. 17 tran. sistors, 11 diodes; 2 thermistors, Jack for Ext. Ant, Phone; Record nutput. Padded black Vinyl case with handle. Size: $111 / 4 \times 71 / 6 \times 31 / 2^{\prime \prime} \mathrm{D}$. 99 F 35578 w Imported. Shpg. wi., 7 lbs.

Net 44.95
95 F 62564 Extra " $D$ " bat. 4 req. Shpg. wh. 5 oz. Net ea. 15
"Guardian 300" 3 Band Battery Electric Solid-State FM-VHF/FM/AM Police Radios


HIGH BAND
LOW BAND
FM-VHF -147.174 MHz FM-VHF $-30-50 \mathrm{MHz}$ $A M \quad-540.1600 \mathrm{kHz} A M \quad-540-1600 \mathrm{kHz}$ FM $\quad-88-108 \mathrm{MHz}$ FM $\quad-88-108 \mathrm{MHz}$ 095 with earphones $\begin{aligned} & \text { and batteries } \\ & \text { and }\end{aligned}$
HICH BANO FM-VHF POLICE ANO AM/FM RADID. Listen to Police and fire calls... ANYWHERE-ANYPLACE. Deluke 3-band radio operates on $4^{\text {" }} \mathrm{C}$ " batteries or 117 VAC 60 Hz by means of a self-storing AC line cord. Powerful space age solid-state circultry with 12 transistors, 6 diodes, and 2 thermistors. Variable $6 \cdot \mathrm{gang}$ capacitor tuning for extremely high sensitivity and selectivity enables you to pull in even the weakest statlons. Complete coverage includes high-band FM-VHF 147-174 MHZ and standard AM and FM broadcast bands. Slide rule dial for precise tuning, ferrite rod antenna for AM, telescoping antenna for FM-VHF and FM bands, and an external antenna input jack. Padded black leatherette case with silver trim. Includes batteries, earphone and self-storling $A C$ line cord. Size: $8 \pm 6^{\prime \prime} \mathrm{W} \times 45 \mathrm{a}^{\prime \prime} \mathrm{H}$ $\times 27 /{ }^{\prime}$ D. Imported. Shpg. wt. $31 / 4$ lbs.
99 F 35461 L
Net 29.95
LOW BANO FM.VHF POLICE AND AM/FA RAOIO. Same deluxe features and specifications as above but tunes low band FM-VHF $30-50 \mathrm{MHz}$ instead of High Band. Imported. Shpg. wt., 3y/4 lbs.
99 F 35479 L
Net 29.95
99 F ' $\mathbf{5 2 5 1 2} 2$ Extra " $C$ ' bat. for above radios- 4 req..... Net ea. . 14
local weather huresu concerning reception in your area.
Lafayette Supplies Fine Radios at Low Prices

## Super Deluxe LAFAYETIT "Guarrilian 5000" 5 -Band Solid-State AC and Batter--Operated AM/FM/SW/FM-HHF Public Service Radio



## NEW

# Lafayette GUARDIAN "6000" 6 -Band Batter//Electric AM-FM-Police-Aircraft-Marine Portable Radio 

180 Rotatable Ferrite Loopstick Antenna For LW, AM, and MB Reception PLUS Direction Finding on these Bands.


Optional Mounting Bracket for Marine use so that Radio can be secured.

ONLY 3.95

Signal Strength
Tuning Meter/Battery
Condition Meter

## TUNES SIX BANDS

(1) LW: 180.380 kHz Beacon Band
(2) $A M: \mathbf{5 4 0 - 1 6 0 0} \mathbf{k H z}$ Standard Eroadcast
(3) MB: $1.6-4.0 \mathrm{MHz}$ Marine Band
() FM: 88.108 MHz Standard Broadcast

AIR: 108-136 MHz AM/VHF Aircraft
(6) POLICE: 147-174 MHz FM/VHF High Band Public Service and U.S. Weather Bureau Forecasts and New VHF/FM Marine Band
Professionally designed 6 -band portable radio with individually tuned circuits 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 Migh Band including the 162.55 MMz U.S. Weather Bureau Forecasts. Can be operated on 4 " C " batterles 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 Faclities. 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 eraft 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 telescoping whip antenna


## Squelch <br> Control

# $79^{95}$ 

With Batterles and Earphone

- Individually Tuned Circuits
- Instant-on Solid State Circuitry
(prus an external antenna jack) for reception on FM, AM/VHF (Air) and FM/VHF Police Band; adjustable squeich control to eltminate background noise on the FM, Air, and Pollce 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 directlon. finding putposes. Slide Rule dial has a logging scale for preclse tuning and a push button dal light. Large $4^{*}$ Speaker for exceptional tonal quality. Steel hande for ease of portability. 18 Transistors, 14 Diodes, and 2 Thermistors. Size: $111 / 2 \mathrm{~W} \times 9 H \times 3$ "D. Imported, 99 F 35065 W Snpg. We., 10 bs,

Net 79.95
Mounting Bracket For Fixed Marine Use. Imported. Wt. 6 oz . 17 F 64000

Net 3.95
99 F 62572 Extra "C" Batteries (5 rea.) wt., 402.
Net ea. . 14

## LAFAYETTE "Air Master" 10 Transistor AM and VHF Aircraft Portable Radio


$19^{95}$

- $108-136 \mathrm{MHz}$ VHF AM Aircraft Band - $540-1600 \mathrm{kHz}$ AM Band
- Precislon Slide Rule Logging Scale

With Batteries, Earphone. - Large $3^{\prime \prime}$ Speaker and Carrying strap
Listen to the exciting frequencies of alrcraft communications in your home, car, or office on the $108-136 \mathrm{MHz}$ aircraft band. Monitor aviation control tower transmissions, listen to planes in flight, get their landing patterns and weather reports. You are actually with the pllot as he receives instructions for take offs and landings. Also includes AM band. Features large 3" speaker, slide rule dial with logging scale, ferrite rod AM antenna, telescoplng VMF antenna. Operates on 4" "AA" batteries (included) or on 117 V AC with optlonal AC adapter. Earphone for private listening. 10 transistors, 2 diodes.
 99 F 35230 L

Net 19.95
99 F 35362 AC Adapter for above. Shpg. wt. $1202 . \quad$ Net 3.95 99 F 62580 Extra " $A A^{\prime}$ " batteries (4 required) wt. 3 oz. Net ea. 10

# Deluxe LAFAYYETTE LR-20 Solid State AM/FM Stereo System With Two Separate Matching Oiled Walnut Speakers 



## Complete LR-20 8 -Track AM/FM Stereo Phono System

- Plays Stereo or Monaural Phonograph Records
- Plays 8 Track Steres Tape Cartridges
- Receives FM Stereo, FM, and AM Broadcasts
Complete System Consists of:
- Lafayette LR20 AM/FM Stereo Modular Receiver with Matching oiled walnut Speakers
99.95 - Lafayette MC22 4 Speed Automatic Record Changer Premounted on a base with Tinted Plastic Dust Cover
- Lafayette RK800 8 Track Stereo Tape Deck
Lafayette SP55 Stereo Head.
phone
stereo Phono System. Shpg.wti 44 B. 99 F 99756 WXM Net 179.95



## LAFAYETTE'S Finest Hi-Fi AM/FM Table Radios NEW Deluxe LAFAYETTE Solid-State Twin Speaker Stereo AM/FM Walnut Wood Table Radio



Brilliant Stereo Sound Reproduction from Two Perfectly Matched 4" Wide Range High Compliance Speakers

- FM Stereo Indicator Light
- 22 Transistors, 21 Diodes
- Separate Bass and Treble Controls
- AFC For Drift-Free FM
- Automatic Loudness Compeñsator
- Tade Recorder Outdut Jacks
- Phono Input Jacks
- Provisions For External Antenna
- External Stereo Speaker Jacks
- Stereo Headphone Jack
${ }^{\text {оیLᄂ }} \mathbf{6 9 5}$

Luxurious instant-on solid state AM/FM stereo table radio with many of the deluxe features nermally found only in expensive stereo hi-fidelity receivers. Its conipact size, makes it Ideal for use on a bookshelf or table top. Its walnut wood cabinet will enhance the decor of your home or office. Equlpped with bulit-in AM and FM antenna systems-all you have to do is connect this radio to a standard 117 VAC outlet to immediately enjoy standard AM, FM, or full dimensional FM stereo broadcasts. A special indicator light will enable you to readily identify FM Stations broadcasting in stereo. In addition, the radio is equipped with a phono input to permit playing
of a stereo record changer (with ceramlc/crystal cartridge) thru the radio. Stereo tape recorder outputs have been provided to let you record all stereo programs reproduced through the radio. You get magnlficent tone from two matched $4^{\prime \prime}$ high compliance speakers. Built-in automatic loudness circuit compensates for normal loss of bass experienced at low level volume. External output jack for head. phones or stereo speakers. Tuned FM RF for extremely high sensitivity and selectivity. Illuminated sliderule tuning dial. For 111 VAC, 60 Hz . Size: $203 / 4 \times 71 / 4 \times 63 / \mathbf{s}^{\prime D}$. Imported. Shpg. wt., 11 lbs . 99 f 35073 W

## Deluxe LAFAYETTE Solid-State AM/FM Walnut Wood Table Radio



## Magnificent Hi-Fidelity Sound Reproduction

 from a Powerful 5" Acoustic Suspension Speaker
## $39^{95}$

- Tuned RF FM-and 4 IF Stages
- Tape Recorder Outpùt Jack
- 12-Transistors and 14-Diodes
- External Speaker Output Jack

A deluxe high-fldellty $A M / F M$ radlo employ. Ing an advanced solld-state circuit with 12 . transistors and 12-diodes. However, it Is more than just an AM/FM padio, it combines a super-sensitive $A M$ and $F M$ receiving section with a tuned RF FM stage and 4 IF's, a high-fidelity amplifier, and a full-range acoustic suspension loudspeaker in one compact and handsomely designed $3 / 8^{\prime \prime}$ walnut wood enclosure. Equipped with a bullt-in AM and FM antenna system, this outstanding radio need only be connected to a standard 117 VAC outlet to place it in operation. Separate Band Selector, Continuous Tone control, and Volume control. AFC for driftfree FM. Jack at the rear of the radio marked REC may be used to pling in a tape recorder to record any programs heard on radio. Also includes provisions for hooking so an external 8 -ohm speaker as well as external FM or AM antenna. Beautiful oiled walnut wood cabinet with woven tan grill. For 105-120V., $50 / 60 \mathrm{~Hz}$ AC. Size: $131 x$ $57 /$ O $\times 83$ " " H . Imported. Shog, wt., $81 / 2 \mathrm{lbs}$. 99 F 35644w

Net 39.95

## Popular Priced Tabie Radios for the Home NEW 3 Piece Solid-State AM/FM Stereo Table Radio Ensemble

 ONLY 095- Separate Controls for Bass, Treble, Volume, and Balance
Offers everything you could want in a low price modular AM/FM Stereo Table Radio. Features: AM radio, FM radio with Automatic frequency Control and FM Stereo Radio. Full control and convenience features include: Input jacks for stereo or monaural phonographs plus tape input and output; front panel stereo headphone jack: separate bass, treble, volume and balance controls; rotary band selector knob; precision Illumlnated slide rule tuning dial; stereo



## Features Two Matched

 $4^{\prime \prime} \times 6^{\prime \prime}$ Speaker SystemsIndicator light and built-in Automatic Gain Control. Two 4" $\times 6^{\prime \prime}$ perfectly balanced wide range hi-fidelify speakers are mounted in matched walnut grain enclosures. Built-in ferrite bar AM antenna includes external "T" type dipole FM antenna. Handsome simulated plastic walnut grain cabinet. Size: Tuner/Amplifier- $51 / 2 \times 151 / 2 \times$ $9^{\prime \prime}$, Speakers- $91 / 2 \times 71 / 2 \times 41 / 2^{\prime \prime}$. Imported. For 117 VAC 60 Hz . 17 F 69421 W Shpg. wt., 17 lbs . . Net 59.95

## Panäsontic RE6-137 Solid-State. FM-AM Table Radio

Fine performing FM/AM radio teatures 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 semicond jctor circuitry. Precision sliderule tuning. AFC for drift-free perfomance on FM. With FM line cord antenna and built in ferrite core antenna. Handsome high impact antique white plastic case. Size: $12^{\prime \prime} \times 5 K_{6} \times 47 / 3^{\prime \prime}$. Imported. For $110-120$ VAC 60 Hz . 17 F $30 \operatorname{coj}$ w Shpg. wt., 4 lbs.

## NEW <br> "Mini" Solid-State FM-AM Table Radio

Sleek, new look design-Only $41 / 2^{*} H \times 81 / 2^{\prime \prime} \mathrm{L} \times 23 / a^{\prime \prime} \mathrm{w}^{\prime}$ in size, but a giant in performance. Handsome, low protile walnut grain plastlc cabinet. All transistor solid-state circuitry for instanton play. Large 3" speaker for full, rich tone. Built-in AM/FM antenna system. Direct rotary tuning. AM/FM selector switch. For 117 VAC 60 Hz . Imported.
17 F 69439 W Shpg. wt., 4 lbs.
Net 14.95


## NEW. "instant-0n" AM Table Radio <br> - Direct Dial Tuning

Everyone can use a smartiy styled, low priced AM Taple Radio. Perfect for the kitchen, basement, or children's rocm. Solid-state circultry provides instant-on piay. Superheterodyre circuit for extremely high sensifivity. Big $3^{\prime \prime}$ speaker for fine tonal quality. Buitt-in ferrite bar antenna. Ivory plastic cabinet. Size: $41 / 2^{\prime \prime}{ }^{x}$



Each Electric Bass Guitar Outfit consists of a Electric Bass, Amplifier, Case, Neck Strap, Pick-up Cord plus "Modern Electric Bass Guitar Method" book. See Page 16- for Amplifiers.

Outfit No.
13 F 91192 WXM 13 F 91135 WXM 13 F 91242 WXM

Elect. Bass 13 F 24615w 13 F 24532 W 13 F 66087w

Amplifier

## 13 F 01548WX

 13 F $01548 W X$ 13 F 01654 WX
## Watts

| 60 | 68 lbs. | 154.95 |
| ---: | ---: | ---: |
| 60 | 68 lbs. | 164.95 |
| 70 | 100 lbs. | 249.90 |

## LAFAYETTE SOLID-STATE 120-WATT PA and MUSICAL INSTRUMENT SOUND SYSTEM

A two piece portable sound system that is easy to handie and extremely versatile. Features a mono-stereo mixer control center and a separate solid-state amplifier-speaker system. Mixer ean handle up to 4 amplifier-speaker ( 120 watts each) giving up to 480 watts of power and all the flexiblity you will ever meed Amplifies voices as well as instruments.

## Master Control Center Features:

- 4 Channels- 8 Inputs
- Esch Channel Has 2 Inputs (High and Low) with Individual Volume, Bass and Treble Controfs
- 2.Slider-Type Master Volume Controls for Mano or Sterea
- Two 3" Illuminated VU Meters to Monitor Preamp or Power Amp with Selector Switch
- Solid Stete-All Silicon Transistors
- Drive Capacity for 4 Amplifier-Speaker Systems
- Control Center is Bulit Into A Carrying Case with Defachable Lid


## Amplifier Speaker System Features:

## - Solid State 120-Watt Power Amplifler with Four 10"

 Jensen SpeakeryThis unique portable sound system has exceptional performance for use with many instruments and voices. Control center features all of the above plus on-olf switch, pilot light, fuse, 2 aux, AC receptacles and output connector with on-off switch for echo or reverb equipment. Amplifier-speaker systems and control center may be stacked. May be used for stereo with second ampilfier-speaker system, Amplifier-speaker system size: $27 \mathrm{H} \times 23 \mathrm{~W}$ $\times 111 / 2 " D$. Control center size: $9 H \times 21 W^{2} 8 \sim D$. Sturdy bach vinyl covered wood cabinets with handles. With cords and plugs. For 1.7 VAC 60 Hz , 13 f 90756 WXM Shpg. wt., $781 / 2$ lbs.

Net 299.95
"Add $\mathrm{On}^{\prime \prime} 120$ Watt Ampllfer-Speaker System. Shpg wt., 57 lbs 13 F 01597 wx

Net 139.95
Reverberation Unit: Studio type tone reverberation with Hammond unit. 30.40 millisecond delay with a total of 1.2 sec , tone Jecay. Reverb and fone Color controls. Vinyi covered case with chrome handles and llluminated push. button switch. With Foot Switch. Size: $19^{\prime \prime} \mathrm{Wr}^{*}{ }^{*} H x 7^{\prime \prime} \mathrm{B}$. Shpg. wt., 12 lbs . 13 F 01613w

Net 89.95
Heavy Duty Aluminum Dolly for above system. Shpg. wt., 4 lbs. 13 F 01805 W

Net 21.95


SOLID-STATE MUSICAL INSTRUMENT AMPLIFIERS


## 5.WATT STUDENT AMPLIFIER

## - Two Instrument Inputs

- Volume And Tone Controls

Great for the student or beginner! Features rugged, solid state circuitry for coot, in stantaneous amplification and trouble.free operation. Provides 5 watts peak music powes into a heavy-duty specialiy designed $6^{*}$ speaker with excellent clarity and conal response. Smartly styled control panel has Tone and volume control; two instrument Inputs; On/Off switch. Attractively designed lock plywood construction covered in water repellent, scuff-resistant black vinyl. With carrying handle. Size: $153 / 4{ }^{" H x} 13 y_{4}{ }^{*} W^{2} 6^{\circ} \mathrm{D}$. For 117 V ., 60 Hz AC operation. Shpg. wi., 13 los.
13 F 0163sw
Net 22.95


8 WATT "TREMOLO" AMPLFIER

- Tremolo Speed And Intensity Controls
- 3 leputs-Foot Switch Jacks

Functional, attractive, all-transistor tremolo ampli ier. Dellvers 8 -watts peak power to a specially designed $8^{*}$ speaker for full instrument range. Front mounted control panel has controls for Tone, Volume, Tremolo speed Tremolo intensity; three instrument inputs tremolo foot swifich inpus jack; and pilot Ight. Housed in a sturdy wood cabline with pet black vinyl covering and harmonizing gill. Chrome carrying handle. Size: $172 / 2{ }^{-H x 143 / 4-W x 7 ~ D . ~ F o r ~} 117 \mathrm{~V}_{\mathrm{i}}, 60 \mathrm{~Hz} \mathrm{AC}$. Shpg, wt., $171 / 4$ los.
13 F 01621w No Money Down * ... Net 34.95 Foot Ewitch For Remote Control of Tremolo 13 F 0 514 Snpg. wt., $1 / 2 \mathrm{lb}$. Net 2.99


## 12 WATT BASS AAMPLIFIER

- 10" Heavy Duty Speaker
- 3 Inputs-Volume/tone Controls

Excellent chsice for the student. 12-walt peak music sower output. Rugged dependability with 10 " heavy duty bass speaher; front mountel volume and tone controls for easy access. Inputs for three instruments! Solld state circuitry for instantaneous re. sponse and trauble.free operation. Pilot light Cabinet is stardity constructed of wood with a scuff-resistant, black vinyl covering. Handsome blach and gold grili, Carrying handle: rubber feet. size: $16^{\prime \prime} \mathrm{Hx} 19^{\prime}$ Wxa"O. For 117 V ., 60 Hz AC operation. Shpe. wit. 18 tos. 13 F 24649 W Yo Money Down ${ }^{\circ}$

Shpg. wt., 18 lbs. .... Net 44.95
-See Page 11 for Fiull Credit Details on Easy. Pay Plan

140 Watt Solid State "Piggy Back" Amplifier with Reverb-Tremolo, 3-Speakers, 2-Channels - Hammond Reverberation Unit. Variable Tremolo - 2-12" Special Design Heavy Duty Speakers plus Piggy back amplifier with 14 silicon transistors plus silicon rectifier and heavy-duty power and driver transformers provides 140 watts responss. Two $12^{\prime \prime}$ Heavy-Duty speakers plus a high frequency horn results in tremendous reproduction of brillant highs, deep lows and
solid midrange. Excellent for lead or rithym guitars. Two channels
 for each channel. Depth control for reverb. Intensity control for
Iremolo circuit. Footswitch jacks for reverb and tremolo activation. Pilot IIght, fuse, and on-off switch. Sturdy wood cablinets covered in
 Net 199.95
 See Page 11 for Full Credit Details on Easy Pay Plan


# MISEAL LISTRUNENT AUTOMATIC RHYTHMER $12 \mathbf{9}^{95}$ 

 $[\rightarrow+\infty=0$ $+8$- 12 Exciting Rhythms - A Versatile Electronic Instrument Producing a Wide Variety of Rhythms For Accompaniment

Solid-state portable rhythmer. Ideal for teachers to produce a wide variety of rhythms and a steady beat for the students to follow. For students - complete rhythm section to play along with. For single performers-bring along your own rhythm section! Works with any amplifier to produce 12 distinctive rhythm selections plus an infinite variety of accompaniments by mixing two or more rhythms. Variable tempo control can be set for accompaniment to a Waltz. Fox Trot, Rhumba, Samba, Mambo, Slow Rock, Fast Rock, Swing, Bossa Nova, Cha-Cha, Tango, or a March. Each rhythm is
made up of a varlety of percussion sounds: Bass Drum, Snare Drum, High Hat, Cow Bell, Bass Conga, Tenor Conga, and Cymbal. Additional features include: Master volume and On/Off control, Tone control, On/Off rocker switch for instant control or rhythmer plus On/Oif Remote Control Foot swlich, pilot light and 12 pushbutton rhythm selectors. Circultry: 32 transistors 95 diodes. For 100-117 VAC, $50 / 60 \mathrm{~Hz}$. Handsomely styled walnut finish case with brushed aluminum panel. Size: $173 / 4 \times 41 / 4 \times 94 / 2^{\prime \prime}$. Shpg. wt., 10 lbs . 13 F 24557 W

Net 129.95

## "SUPER" AUTOMATIC RHYTHMER

- Nineteen Automatic Rhythms
- Fox Trot/Swing Section with 36 Variations

Become a one-man combo with this fully transistorized instrumentyou'll never miss a beat! Provides nineteen computer programmed rhythms plus a special Fox Trot/Swing section with thirty-six variations. By mixing two or more rhythms, additional sounds can be added to create a myriad of accompaniments. The "Super" Automatic Rhythmer gives you "true-to-life" sound, tonal variations and accurate tempo. Actual musical instrument sounds created include: Bass Drum, Large and Small Conga, Claves, Cowbell, Maracas, Snare Orum, and Cymbal. Computer programmed rhythms include: Rock 1-2-3-4; Ballad; Western; Bossa Nova 1-2, Tango; Rhumba; Mambo; Cha-Cha; Samba; Beguine; Meringue; Walt2/viennese Waltz; and thirty-six variations of Fox Trot/Swing. Controls: Tempo; Volume On/Off Switch; Pllot Light; Tone Downbeat Start Switch; Fuse; HighLow impedance Outputs; and Foot Control. Vinyl carrying bag. Size: $41 / 2 \mathrm{H} \times 91 / 2 \mathrm{Wx} 14^{\prime \prime} \mathrm{L}$. Imported. 13 F 66509w Shpg. wt., 8 lbs

Net 169.95

## LAFAYETTE SOLID-STATE "ECHO-VERB" REVERBERATION UNIT



- "Add-on" Reverb Unit for any Musical Instrument Amplifier or P.A. System

Simulates the full sound top artists get! Compact, Hghtweight, transistorized reverberation unit creates a new dimension in audibility to overcome dull, flat ordinary sound. Can be used with any instrument ampliffer, or P.A. system. Minutes to connect, the "Echoverb" may be used for sound effects. Has inputs for mike and/or instrument-plus a foot switch input to cut reverberation in or out from a remote location, pilot light and a reverb mix control that lets you select whatever intensity of reverberation you desire. With reverb mix control in the "Off" position, standard sound will be heard from the amplifier. With on/off switch. For 117 v ., $50 / 60$ Hz . AC. Size $3 \sqrt{3} \mathrm{H} \times 111 / 2 \mathrm{~W} \times 61 / 2^{\prime 2} \mathrm{D}$. Imported. Shpg, wt., 4 lbs .
99 F 92025 W Net 21.95 Foot Switch for Remote Controf of "Echo-verb." Shpg. wt., $1 / 2 \mathrm{lb}$. 13 F 01514

## LAFAYETTE TWO-CHANNEL "ECHO-VERB 11" REVERBERATION UNIT


"Echo-Vert 11 " offers full, dynamic reverberation, comparable to professional 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 Revert Control adjusts from zero to maximum intensity, assuring you a desired level of reverberation. The "Echo-verb II" 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 HI-Fi amplfier/receiver. Simulated black pebble-grain leather enclosure with leather strap. Size: $3^{3 / 4} \mathrm{H} \times 111 / 2 \mathrm{~W} \times 6 \frac{1}{2}{ }^{\prime \prime} \mathrm{D}$. For 117 VaC 50.60 Hz . Imported. Shpg. wt., 5 lbs. 99 F 92116 W

Net 29.95
Foot Switch for Remote Control of "Echo-Verb II"
13 F 01514 Shpg. wt., $1 / 2 \mathrm{lb}$.

# ACEESSDITIS 

PRODUCE THE ROTATING SPEAKER EFFECT AND VIBRATO WITH YOUR OWN AMPLIFIER ELECTRONICALLY!

## $79^{95}$ <br> A NEW DIMENSION IN SOUND

Finally an electronic instrument that can truly simulate the rotating speaker effect through any musical instrument ampllfier! Not only produces the Fast or Slow rotating effect but, by the use of the remote speed cuntrol pedal, can vary the speed at any rate you desire. Enables the player to produce the various modern effects which are being used on the stage, in the studio, and with theater organs. Can be used with any of the following instruments; organ, bass guftar, rhythm and lead gunar, electric piano, accordion, \& other electronic band instruments. Plus: Valce for vocal effects now being used by the top recording groups around the country. Easily vonnects befween instrument and amplitler. toot pedal has cancel switen to instantly cancel effect being produced. Also features a rocker switch for selecting etther the rotating speaker effect or a irue vibrato effect. Other controls include volume, Chorus/Vibrato. Intensity. On/Off power switch, fuse, pilot light, inputs for 2 in struments, and an output for the amplifier. Unit is AC operated, fully transistorized, and has a rugged metal construction. Compact, only 10 "W× $61 / 2^{\prime \prime} \mathrm{D} \times 3^{\prime \prime H}$. Can be placed in any conveniently reached location. Imported. Shpg. wt., 6 lbs.
13 F 66400 No Money Down*

## SUPER-DRIVE FOOT PEDAL CONTROL

 $37^{75}$- Use on P.A.

Guitar, Bass, Organ,
Electric Piano, Etc.

- Built-In Volume Control Pedal
- 6-Step Calibrated Input Boost
- Volume "Leakage" Control
- Full Die-Cast Casing
- 100 Times Amplification Factor
 Operation Fuzzeffects

LAFAYETTE "FUZZ SOUND" $14^{95}$
 ค

- Make your guitar or bass produce the harmony of several wind instruments!
Add more instruments to your small combo with the
" $F u z^{\prime}$ " Sound! Create a wide varlety of synthestzed tones such as those produced by a baritone, or bass saxophone. Battery powered, it easily connects between your gultar, 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/Oft switch is combined with the volume control to conserve battery life. Fully transistorized, the unil is built for heavy duty use and operates on a single penlight battery. A rugged metal case protects inside circuitry. Overall size. $51 / 2 \mathrm{~L} \times 31 / 2 \mathrm{~W} \times 21 / \mathrm{B}^{\prime \prime}$ over. H . Imported. Shpg. wt., $13 / 4 \mathrm{lbs}$
99 F 91993
Net 14.95
99 F 62580 Battery for above
Net 10

Fully solid state Super Drive offers a new dimension in completely controlled sound. Sel your amplifier for the tonal range desired and let Super Drive provide the volume you wish to play. This eliminates amplifier playing at full volume. Contains a calibrated attenuator which provides 6 ranges of boost, plus a built-in volume pedal which varies the boost selected. Super Drive provides "clean distortion" rich harmonics and is capable of feedback. In addition, Super Drive also contains a volume "leakage" control which vilil adjust the volume pedal to hold a desired leakage when the control is in the off position. Battery powered. Frequency Range: $20-30 \mathrm{kHz}$. Size: $113 / 4 L \times 51 / 4 W \times 31 / 2^{\prime \prime} H$. Shpg, wt., 6 lbs.
13 F 66517 No Money Down*
99 F 60212 9V Battery
Net 37.95
WAH WAH SOUND and VOLUME CONTROL

## Only 295

- Produce A Wide Variety of Special Sound Effects - Use With Any Electric Guitar or Bass


Produce the wah-Wah effect of a trumpet or trombene 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, $81 / 2^{\prime \prime}$ footpedal gives you the full range of Wah.Wah sounds plus operates as a volume control by depressing a built-in switch under the heel of the footpedal. Input jack conlains a switch to furn the unit on or off. Operates on $3^{\text {" }} \mathrm{C}$ " cells. Fully transistorized, rugged construction. Imported. Size: $10 \times 34 / 4 \times 3^{\prime \prime}$. 13 F 66301 Shpg. wt., $31 / 4$ lbs.

Net 29.95
99 F 62572 Battery for above. 3 required.
Het ea. . 14

## DELUXE AC SÜPER FUZZ

- Remote Control Foot Switch for Ease of
- Expanded Fuzz Produces A New Dimension in sound Effects
- Complete Conirolled Range of Sustained


## $39^{95} \begin{gathered}\text { No Money } \\ \text { Down" }\end{gathered}$

AC operated super fuzz. No more batteries to fuss with as in conventional units. No more bending to adjust controls; control unit is separate from foot switch. Can be placed on amplifier or speaker within easy reach of the performer. Controls include Balance, Expander, and Tone control for a complete, controlled range of sustained fuzz effects. Electronically creates an harmonic producing sustained sound, now being used by top recording artists. Connects eastly between your guitar or bass and the amplifier. Includes remote control toot switch. Long-lasting, solid-state circuitry combined with rugged metal construction. Size: $73 / 4^{\prime \prime} \mathrm{W} \times 5^{\prime \prime} \mathrm{Ox} 2^{\prime \prime} \mathrm{H}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpg. wt., $21 / 4 \mathrm{lbs}$.
13 F 66418
Net 39.95

## SUPER FUZZ

Today's "In-Sound


- Super Fuzz Can Produce an Expanded Dimension in Sound
- Full Control of Fuzz Sustain Effects
- Heavy Metal Casting For Long Life and Appearance

Solid-state Super Fuzz provides a complete range of controlled new sustained harmonic effects. Produces the wild new In-Sound widely used by the top recording groups. Balance control enables perfect blend of fuzz and normal tones. Expander control provides unlimited range of sustained fuzz effects. Tone switch permits choice of conventional fuzz or new harmonic sustained effects. Master foot control switches instantly to normal guitar operatlon. Rugged diecast metaf construction. Size: $61 / 2 \times 3 \times 17 / 8^{\prime \prime}$. With cord and battery. Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$.
13 F 66525
Net 27.95
99 F. 60212 Battery for Above

# Famous Name Musical Instrument Speakers 



## SUPER POWER CADENCE MUSICAL INSTRUMENT SPEAKERS

- Provides Natural Reproduction of Amplified Instruments
- Full Rich Tonal Quality
- Aluminum Dust Cone and Rubberized Cone Edges for Prolonged Life
mproved musical instrument speakers wilt heatproofed voice coils and reinforced steel chassis for long life at higher power levels. Specially designed to meet the rigid requirements for
replacement in electric organs, gultars, bass guitars, and accordions. All speakers have 8ohm voice coils. All speakers are round except $t$ which is ovat.

| Stock No. | Utah Model | Type | Mag. Wt. <br> (02.) | V.C. Dia. <br> (in.) | Peak Audlo (watts) | For Use with | Depth (ln.) | $\begin{aligned} & \text { Shpg. } \\ & \text { Wt. (lbs.) } \end{aligned}$ | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 49349 | MH-8IC | $8{ }^{\text {8* }}$ | 10 | 1 | 30 | Organ, Guitar | 3 | - 3 | 9.95 |
| 32 F 49356 | MH-10JC | 10" | 10 | 1 | 35 | Organ, Gultar | $311 / 10$ | $41 / 4$ | 10.95 |
| 32 F 49430 | HM-10PC | 10" | 20 | $11 / 2$ | 50 | Organ, Guitar, Blass Guitar, Accordlon | $31 / 8$ | 7 | 15.95 |
| 32 F 49364 | MH-12JC | 12" | 10 | 1 | 40 | Organ, Guitar | 4\%60 | 61/4 | 11.95 |
| 32 F 49372 W | MH-12PC | 12" | 20 | $11 / 2$ | 60 | Organ, Gultar, Bass Guitar Accordion | 4\%/30 | 73/4 | 16.75 |
| 32 F 49380 W | MH.12PXC | 12" | 30 | $11 / 2$ | 70 | Organ, Guitar, Bass Guitar Accordion | 51/10 | $10^{3 / 4}$ | 22.50 |
| 32 F 49398W | MH-12RC | 12" | 40 | 2 | 85 | Organ, Bass Gultar | $51 / 8$ | 121/4 | $39.00$ |
| 32 F 49406W | MH-15PXC | 15" | 30 | $11 / 2$ | 75 | Organ, Gultar, Bass Guitar Accordion | 61/2 | 12 | $27.00$ |
| $\begin{aligned} & 32 \text { F } 49414 W \\ & 32 \text { F } 49422 \end{aligned}$ | $\begin{aligned} & \text { MH-15RC } \\ & M H-69 J C \dagger \end{aligned}$ | $\begin{aligned} & 15^{\prime \prime} \\ & 6 \times 9^{\prime \prime} \end{aligned}$ | 40 10 | $\begin{aligned} & 2 \\ & 1 \end{aligned}$ | $\begin{aligned} & 90 \\ & 30 \end{aligned}$ | Organ, Bass Guitar Guitar | $\begin{aligned} & 6 \% \\ & \hline \end{aligned}$ | $\begin{array}{r} 121 / 4 \\ 23 / 4 \end{array}$ | $\begin{array}{r} 44.50 \\ 9.75 \\ \hline \end{array}$ |

## 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
- $3^{\prime \prime}$ Aluminum Edge-Wound Voice Coils

MODEL 4178C 12" Pfofessional Quafity Instrument. Speaker. Power: 75 watts, Impedance: 8 -0hms, Volce Coil: $3^{\prime \prime}$, Magnet Structure:
 32 F 38508wx No Money Oown*

Net 82.00
MODEL 418B-15" Professional Quality instrument Speaker. Power: 100 watts, Impedance: 8 -ohms, Voice Coil: $3^{\prime \prime}$, Magnet Structure:
 32 F 38516wx No Money Down*

Net 92.00
MODEL 421A-15" Professional Quality instrument Speaker. Specifically designed for the BASS INSTRUMENTS... Bass Gultars and Organs. Power: 100 watts, Impedance: 8 ohms, Voice Coil: $3^{\prime \prime}$, Magnet
 32 f 38524 wx No Money Down*

Net 105.00

## LAFAYETTE ENTERTAINER MICROPHONES \& STANDS

## (A) CARDIOID DYNAMIC MIKE

A superb dynamic microphone designed for applications where location of performer in relation to speakers causes feedback and reyerberation. Highly directionat cardloid patlern. Dual impedance: 50 K or 600 ohms, selectbble by switch. Response: $100 \cdot 10,000 \mathrm{~Hz}$. Myar diaphragm. On/off switch. Modern design, satin chrome finished die-cast case. For handbatin chrome finished sie-cast case. with swivel stand adapter and 20 ff . detachble cord with phone plug at other end. Imported. Shpg. wt., 3 lbs.
99 F 46294
Net 12.95
[8] DELUXE BALL DYNAMIC MIKE Modern design features dual impedanceHigh 50K ohms, or low 250 ohms. Omnl-directionat, $100-10,000 \mathrm{~Hz}$. Has on/off swltch. Ball screen insures against "pop" and wind blast. Dle-cast, finished in sation aluminum. Site: $61 / 4^{\text {" }}$ long, max. diam. of ball $21 / 9^{*}$. Comblete with detachable 20 ff . cable and phone plete wlack metal desk stand and adapter for plug. Black metal desk stand and adapter for any $5 / 8^{\prime \prime}-27$ floor stand. Imported.
99 F 46203 Shpg. wt., 2 lbs.
Net 15.95

## C ATLAS MIKE FLOOR STAND

Features "Full-Grip" clutch. Fully chromed tube and $10^{\prime \prime}$ base. Height adj. 34-62". 44 F 10056 Shpg. wh. 10 los. Net 8.67

- Designed To Boost Vocals Above Instrument Levels


As Low As Model CJ.40. Voice speaker. Attractive charcoal gray, molded fiberslass. Minimizes reed- harmonics to create performances that can be heard. 40 watts peak music power. Can be mounted on any mike stand (page 151) or with model SS-4 stand below. Quick connect-disconnect receptacle takes standard phone plug. Response: $150-14,000 \mathrm{~Hz}$. Impedance 8 ohms.
 44 F 10361 Wo Money Down:.... Net 39.45 Model CJ-125. Simllar to above except 125 watts peak music power. Uses SS.4 Stand below. Response: $100-12,000 \mathrm{~Hz} .13 \mathrm{H} \times 23 \mathrm{~W}$ $\times 19^{\circ}$. Shpg. wt., $20 \frac{1 / 2}{} \mathrm{ib}$.
44 F $10379 \mathrm{~W}^{\prime}$ No Money Down*_ Net 78.60 Model SS-4 welghted base speaker stand. Black wrinkle finish base, chrome steel tubing extends to over 6 ft . Shpg. wt., 18 los. 44 F 10397w

# Musical Instruments \& Accessories 

## PROFESSIONAL TUNABLE BONGOS $14^{95}$

- Fast, Unobstructed Hand-Playing


Pure white perfect caifskin heads for best rhythm effect and authentic tone. Sparkling color linish. Sturdy construction full flanged counter loops with heavy chrome plated hardware. Four tuning-lugs on each bongo. Head sizes: $73 / 4^{\prime \prime}$ and $61 / 2^{\prime \prime}$. Overall $7^{\prime \prime}$ deep. Complete with Tuning Key. Imported. Shpg. wt., 5 lbs. 13F 87042W

Net 14.95

## GUITAR SELF.INSTRUCTOR FOR THE BEGINNER

## - Book And Record

Book and instructlon record for the beginner. Chord sounds and pictures plus "strum" along favorites. Shpg. wt., 6 oz.
12 F 67079
Net 1.50
HOW TO PLAY THE GUITAR

- Famous "Music Minus One" Records The easy way to learn all the choros and rhythms on your guitar. Has vocal accompaniment; ballad styles; folk, country and western; mythm and blues; shuffle beats. Features guitar demonstration and text by George Barnes, spoken commentary by Bpb Mersey. 24 F 45062 Shpg. wt., 1 lb. ........................Net 3.59


## THE MEL BAY MODERN GUITAR METHOD

The most popular and contemporary approach towards comprehensive mastery of the gultar written in a clear concise manner by a professional. The strings are learned in order of their difficulty with musical arrangements for study. Profusely illustrated. 13 F 52848 Grade 1 Book. Shpg. wt., 8 oz. Nef 125 13 F 52855 Grade 2 Book. Shpg. wt., 8 oz. Net 125 13 F 52863 Grade 3 Book. Shpg. wt.. 8 oz. Net 125


## SMITH'S MODERN ELECTRIC BASS BOOK

Authoritative 4 string electrlc bass guitar method book 12 F 67095 Shpg. wt., 802.
4 PIECE GUITAR ACCESSORY KIT
An ldeal 4 plece set for the beginnerConsists of: 1 set of (6) Flatwound Guitar strings; guitar pitchpipe; adjustable foam padded gultar neck strap and 8 gultar picks -6 flat and two thumb picks.
13 F 22577 Shpg. wt., 1 lb.
Net 4.95


Average Shpg. wt., 8 oz.
(A) Guitar Strings. Set of 6 , plated copper wire wound. 13 F 22536
(A) Nylon Classic Gultar Strings. Set of 6

13 F 22544
A) E
(A) Electric

Net 2.29
(A) Deluze Electric Guitar Strings. Gibson, flat wound hi-fi strings. High quality. Set of 6 .
13 F 52871
(B) Guitar Picks-6 Flat, 2 Thumb

Net 4.95
13 F 22569
Net . 49
(C) Adjustable Foam Padded Guitar Strap.

13 F 22502
(D) Guitar Pitch Plpe

13 F 22510
(E) Retractable Guitar Cords with Plugs

13 F 5288910 Ft.
99 F 9128215 Ft.
13 F 5289720 Ft .
Net 1.59
( $\square$ ) Deluxe Adjustable Bright Sparkle Vinyl Neck Strap for Guitar. Brass Piated Buckle.
13 F 22585
Net 2.95
(G) Oeluxe Adjustable Embroldered Hootenanny Neck Strap, colorful habric and leather. brass plated buckle. 13 F 88016

Net 2.49

## 3 CHANNEL COLOR LIGHT ORGAN CONTROL CENTER.

## ant $39^{95}$

- True Frequency Division

- 500 Watts Per Channel (1500 Watts Total)


## - Easily Connects to

## Any Speaker

Transtorm a large room into a lotal light-sound environment! 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, low, medlum and high, by 3 separate, transistorized frequency se. lectlve amplifiers. Accepts nine 150 watt or eighteen 75 watt lights at once; on/off switch; 3 intensity adjustments; on/off pllot light and three channel indicator lights. For $110-120$ VAC, 15 amps . max.
13 F 43002 Shpg. wt., 3 lbs.
Net 39.95

## selpll Phamas

ELECTRONIC METRONOME
Preclsion instrument, contains 2 com . plete electronically calibrated beat systems; audible and visual, 40 to 208 beats per minute. Single knob control, calibrated radial dial plus neon light. Wooden cablnet, operates on $115 \vee$ AC 60 Hz .
Walnut. Shpg wt., $31 / 4 \mathrm{lbs}$
13 F 44530
Nel 20.95


Mahogany. Shpg. wt., $31 / 4$ lbs.
Net 20.95

## (1) 1a/1, è/1NWM13

## KEYWOUND METRONOME

Streamlined, Keywound metronome gives both a visual and audible beat tlming from 40 to 208 beats per minute. Invaluable aid while practicing or glving instruction. Brown case with wood grain cover and gold-colored trim. $81 / \sqrt{9} \times 43 / 8 \mathrm{~W} \times 31 / a^{\prime \prime} 0$. Shpg. wt., $11 / 2 \mathrm{lbs}$.

13 F 44563
Net 9.95
As Low As

## $11{ }^{95}$

## HOHNER MELODICAS



- With Case

Spare Mouthpiece-Instructions
Student Melodica-Ideal for the beginner. 20 chromatic keys from middle C to G , give it a range adeouate for most music. 13 F 66319 Shpg. wt., 2 lbs.

Net 11.95
Soprano Melodica-Similar to above, 25 weys from middle $c$.
13 F 66327 Shpg wit.
13 F 66327 Shpg. wt., 2 lbs.
Net 13.95
Ato melodica-Similar to above, 25 keys from low F
13 F 66335 Shpg. wt. 2 lbs.
Net 14.95

## PLAY GUITAR IN MINUTES

| With Stick-on |
| :--- |
| Jiffy Chord Cards |
| 95 | Jiffy Chord Cards

Just stick liffy Chords under the strings of your guitar and learn to play in minutes, no knowledge of music required! Press a color for each chord, 3 chords per card. Helps develop an ear for harmo. nies and a sense of rhythm. With 8 reusable cards. illustrated instruction book with 33 songs. Wt., $1 / 2 \mathrm{lb}$. for "Regular" size neck guitars. With string span of $11 / 2^{\circ}$ at top of neck. Shpg. wt., 1 lb . 13 F 63506 Net 5.95 For "Thin" size neck guitars. With string span of $1 \frac{1}{a^{\prime \prime}}$ at top of neck. 13 F 53514

Net 5.95


# Closed Circuit TV Cameras and Systems 

## Deluxe Solid State Closed Circuit Television Camera



High quality, moderately priced CCTV camera that has unlimited applications in industry, business, education, instltutions, and the home. Easy to install-all cables supplled are terminated with connecting plugs and leads. Simple to operate-can be used with either a commercial video monitor or any standard television set. Solid state circultry-power consumed is very low. Provides cool and de. pendable operation. Lightweight, compact size permits incon. spicuous mounting. Once focused, the camera needs no further attention. Automatic Eye (through the lens light control). Provisions for hooking up an intercom for intercommunication between CCTV camera and television receiver location. Specifications: Composite video output: 1.4 V P.P to 2.2 v P.P; RF modulated: more than 50

## For Sales Promotion <br> For Security <br> For Surveillance $199^{95}$ <br> No Money Down

- Use With Any Home TV Set or Commercial Monitor
- Switchable Output Signals, Composite Video; up to 2.2v P-P at 75 ohms, RF Modulated: 50 mv
- Automatic Eye
- Provision For Intercom Permits Simultaneous Sound with RF Video Signal
mv at 75 ohms; Scanning frequencies: Morizontal- 15.750 kHz Ver-tical- $50-60 \mathrm{Mz}$ synchronized to power line. Horizontal resolution: more than 400 lines at center. tVertical resolution: more than 280 lines at center. Camera comes complete with $25 \mathrm{mmf} / 1.8$ lens with adjustable iris, C-mount, lens cap, vidicon cap, 32 ft .75 ohm twin lead, 75:300 ohm line transformer and instruction manual. For 105-125 VAC, $50 / 60 \mathrm{~Hz}$. Size: (less lens) $6 \mathrm{~V} / 4 \mathrm{H} \times 31 / 2 \mathrm{~W} \times 101 / 2{ }^{\prime \prime} \mathrm{D}$. 44 F 08019wX imported. Shpg. wt.. 7 lbs.,

Net 199.95 Heavy Duty Tripod for CCTV Camera. Shpg. wt., $21 / 2 \mathrm{lbs}$. 15 F 68021 Net 12:95 $\dagger$ Based on standard television test chart with 300 fux illumination at center.

## LAFAYETTE 7735A 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 industrial area lighting conditions. Has 600 to 900 line resolution. Size: $61 / 4^{\text {" L L. }} \times 1^{\text {" }}$ dia. imported. Shpg. wt., $11 / 2 \mathrm{lbs}$.
99 F 36022L
Net 49.95 No Money Down* Widely Used in Concord, Panasonic, Unimetric and Other CCTV Cameras

## Toshiba Watch-Guard Closed Circuit TV System With 2-way Intercom



- Remote Control Operation by Standby Switch
- Maximum Distance You Can View and Converse is up to 165 ft .

For crime prevention, communications, and service ..a visual and audio closed circult TV monitoring system deslgned for the office, store, school, hospital, recreation center, or home. Select an area to be monitored, such as the front entrance to your home, or the self service racks in a store. Mount the camera (camera mount is included) so that the area you wish to view will be in the camera's field of vision. You aiso place the intercom in this area (within 15 ft . of the camera). Connect the camera to the TV Monitor in a convenient place for your viewing-no more than 165 ft . away ( 66 ft . of cable is included). You now have a com. plete Watch-Guard Closed Circuit IV System. Operates 2-ways (1) By activating the \$tand by switch on the receiver; callers merely press the call button of the intercom and the system turns on. 30 seconds after the conversation is over, system turns off automatically untll intercom call button is pressed again. (2) System


INCLUDES:

1) CCTV TV Camera
2) $5^{\prime \prime}$ Monitor
3) 2-Way Intercom
4) $66 \cdot \mathrm{ft}$. Cable
is feft on continuously for constant monitoring. The compact $5{ }^{-1}$ monitor features solld state circuitry, call buttons, brightness, contrast, and sound control (connection from the intercom). Size: $93 / 4 \mathrm{~W} \times 41 / 2 \mathrm{H} \times 71 / 2{ }^{\prime \prime} \mathrm{D}$. CCTV camera uses a standard $16 \mathrm{~mm} \mathrm{F1.6}$ lens. Camera can be used only in temperatures from $14^{\circ} .140^{\circ} \mathrm{F}$, Monitor from $23^{\circ} .104^{\circ}$ F. Camera Size: $24 / 4 \mathrm{~W} \times 3 \% / 4 \mathrm{H} \times 511 / 0^{\prime \prime} \mathrm{D}$. Intercom has talk button and connects to camera by 15 foot cord (Included). Size $4 \times 6 \times 2^{\prime \prime}$. Shpg. wt. of complete System-19 lbs. Imported 44 F 84002 WX Net 379.95
Accessories for Watch Guard System
44 F 84010 Extra 60 ft . Cable Shpg. wt., 3 lbs.
Net 27.50 44 F 84028 Extra 30 ft . Cable Shpg. wt., $11 / 2 \mathrm{lbs}$. 44 F 8403 BY Wide Angle 9 mm lens Shpg. wt., 2 lbs.

Net 11.00 Net 44.50

LAFAYETTE P.A. AMPLIFIER GUARANTEE
ONE Year Guarantee: All parts guaranteed against defects in material and workmanship for one year. Ship defective part to us prepaid for replacement or ship amplifier prepaid for repair
P. A. Systems



## 22-Watt P.A. Amplifier

- For Medium Halls
- Inverse Feedback For Low Distortion
- Outputs For 4,8 , and 16 Ohms, 25 and 70.7 Volts
- Handsomely Designed, Rugged Cabinet

An outstanding 22.Watt P.A. amplifler. Perfect for applications in a medlum sized area-indoors or outdoors-up to 6000 sq . ft Inverse feedback circuitry assures low hum and distortion for ex. ceptionally clean, pure sound. Extremely good frequency response-$30-20,000 \mathrm{~Hz} \pm 2 \mathrm{db}$-make this an ideal unit not only for paging, but for background music, etc. Functionally designed front panel controls: mike, and two auxiliary inputs (phono, tuner, recorder); master tone cantrol, and on-off switch. Handy indicator bight automatically signals when unlt is energized. Outputs are provided for $4 ; 8$, and 16 ohms, 25 and 70.7 volts, to match a wide variety of speaker im. pedances. Microphone gain is +126 db while aux. is +83 db . Comes complete with Amphenol 75 MCIF mike connector and phono plug for auxiliary input. Handsomely designed appearance with brushed aluminum front panel and contrasting black vinyl-clad metal case. Rear chassis terminations for optional economical B+ on-off switching. Tube complement. 2.7189 in push-pull output, 12AX7, 6AU6, 6CAA/EZ-81 rectifier. For $110-120$ volts, $50-60 \mathrm{~Hz} \mathrm{AC}$. Size: $12^{3 / 8 x}$ $8 \% / 55 K_{0}^{\prime \prime}$. Shpg. wt., $133 / 4 \mathrm{lbs}$.
44 F 01378 Wx
Net 49.95
4 -Speed Phono Top For Amplifier Above.
44 F 01584
Net 18.95
PHONO TOP FOR AMPLIFIERS


4-speed ( $16,331 / 3,45$, and 78 RPM) phonograph turntable. Fits on top of PA-622A and PA-645A and can be used alongside of PA-100. Takes records up to $12^{\prime \prime}$. High quallty ceramic pickup-turnover type with dual synthetic sapphire stylus. Power requirements: 15 watts. 117 volts 60 Hz AC. Durable finish. Size $123 / 3 \times 8 \frac{1}{6} \times 4^{\prime \prime}$, Shpg. wt., $63 / 4 \mathrm{lbs}$. 44 F 01584

Net 18.95

## LAFAYETTE P.A. AMPLIFIER GUARANTEE

 ONE Year Guarantee: All parts guaranteed against defects in material and workmanship for one year. Ship defective part to us prepaid for replacement or ship amplifier prepaid for repair
## 45-Watt P.A. Amplifier

An outstanding P.A. amplifter for indoor and outdoor coverage. Combines power with versatility for superb performance in any application. Feafures a low frequency filter which acts as an antifeedback network and trumpet protector. Two handy outputs are provided for constant output into speakers; one at 25 volts and the other at 70.7 volts. Separate bass and treble controis for flawless performance and extreme ease of operation. Power output is a full 45 watts RMS ( 90 watts peah), more than enough to drive even lowefficiency speakers to full output capabilities, Master gain control eliminates chance errors when making volume adjustments, Outputs: 4,8 , and 16 ohms to mateh a wide range of speaker impedances for maximum power transfer. Terminations on rear of chassis make possible optional B+ on off switching with resultant tube and component saving. Comes complete with Amphenol 75MC1F connector and phono plug. Handsomely styled black vinyl-clad metal case with attractive brushed aluminum front panel. For $115 \mathrm{~V}, 50 / 60 \mathrm{~Hz} \mathrm{AC}$. Size: $151 / 4 x$ $101 / 4 \times 5)_{\text {/a" }}$. Shpz. wt, 21 lbs.
44 F 01451WX
Net 75.95
4-speed Phono Top for Amplifier Above. Shpg. wt., 8 lbs. 44 F 01584 $\qquad$ Net 18.95

## PA-645A SPECIFICATIONS

> POWER OUTPUT: 45 watts RMS ( 90 watts peak) FREQUENGY RESPONSE: $\pm 2 \mathrm{db}, 30$ to $20,000 \mathrm{~Hz}$.
> INPUTS: 2-Microphone; 2-Auxiliary (high gain phono, tuner, or tape recorder)
> CONTROLS: 2 Microphone: 1-Auxillary fader; 1-Bass,
> 1-Treble; 1-Master gain, 1-Anti-Feedbach;
> 1-On-0ff
> OUTPUTS: $4,8,16$ ohms; 25 and 70.7 volts
> TUBES: 2-12AX7A/ECC83; 1-6AV6; 2-6L6GC; 1-5AR4/GZ-34 POWER CONSUMPTION: 110 watts at 120 VAC

## 45-WATT INDOOR SYSTEMS

Excellent for Large Halls, Department Store Paging Systems, Auditoriums, Supermarkets, etc.


## WITH 8" SPEAKER-BAFFLE COMBINATIONS


$8^{\prime \prime}$ Speaker Baffle Combinations


Consists of:

- Lafayette PA. 645A 45. Watt PA Amplifier
- 4.8" Speaker-Baffle Combinations; each with Matching Transformer for 25 and 70.7 Volt Constant Voltage Outputs, plus Volume Control.
- Choice of Deluxe Dynamic Microphones.
4.35' Lengths of Speaker Cable Complete PA system as above with Lafayette $99-46039$ dual impedance dynamic microphone and $99-45999$ desk stand. Mike can also be handheld or can be used with standard floor stand. Shipg. wt, 57 lbs. 44 F $91569 \mathrm{wXM}^{-1}$ Net 157.95 Same as 44.91569 wXM except with Shure Unisphere A dynamic cardioid "pop-proof" microphone instead of Lafayette microphone. Shpg. wt., 56 lbs. 44 F 91577 WXM Net 187.95

LAFAYETTE P.A. AMPLIFIER GUARANTEE
ONE Year Guarantee: All parts guaranteed against defects in material and workmanship for one year. Ship defective part to us prepaid for replacement or ship amplifier prepaid for repair

## 45-WATT OUTDOOR PA SYSTEMS

For Airports, Loading Platforms, Railroad Stations, Country Clubs, Camps, etc. For up to 100,000 Square Ft . of Outdoor Area


Lafayette
PA-645A


Consists of:

- Lafayette PA-645A Versatile 45-Watt PA Amplifier
- Choice of Deluxe Dynamic Microphones
- Two E-V PA-30A 30-Watt Weatherproof Speakers

Above system with Lalayette 99.46039 deluxe dual impedance dynamic micro. phone with 99-45999 desk stand. Microphone can be hand held or used with standard floor stand. Includes 20 ft . of detachable mike cable and connector. Shpg. wt. 40 lbs.
44 F 91767 WXM
Net 129.95
Same system as above except with Shure Unisphere A dynamic cardiold mike instead of Lafayette microphone. Shpg. wt. 38 lbs.
$44{ }^{\circ} \mathrm{F} 91775 \mathrm{~W}$ XM
Net 159.95

## 45-WATT PORTABLE PA SYSTEMS

 With Dual SpeakersFor the Majority of Sound System Applications .... School Auditoriums, Churches, Theatres. Dance Halls, Studios, Lecture Halls, etc.


Consists of:

- Lafayette PA-645A 45-Watt P.A. Amplifier
- Two 30.Watt Heavy Duty $12{ }^{\prime \prime}$ P.A. Speakers
- Lafayette 99-46039 Dual Impedance Dynamic Microphone \& Desk Stand
- Attractive, Sturdy Carrying Case for Amplifiers, Speakers, \& Accessories. Serves As Efficient Baffle - Two 35' Speaker Cables

Complete System as above. Shpg. wt. $563 / 4 \mathrm{lbs}$.
44 F 91783wXM
Net 132.95
Same as above system except with Shure Unisphere A Cardioid Oynzmic Micro. phone instead of Lafayette microphone. Shpg. wt., $543 / 4 \mathrm{lbs}$. Shpg. Wt. $54 \mathrm{~F}^{3 / 4}$
447 FXM Net 162.95

Phonotop for above. Shpg. vet., 8 lbs 44 F 01584 Net 18.9

## 45-WATT INDOOR P.A. SYSTEMS with LAFAYETTE 6-Speaker Column Speakers

Excellent for: Auditoriums, Churches, Theatres, Studios, and Special Events.


Consists of:

- Lafayette PA-645A 45-Watt PA Amplifier
- Two 30-Watt 6-Speaker Column Speakers
- Choice of Deluxe Dynamic Microphones
- 2-35 Ft. Cables

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. Column speaker is $301 / 4^{\prime \prime} \times 7^{\prime \prime} \times 31 / 3^{\prime \prime}$ utiliz. ing 6 speakers for efficient reproduction of progiam maferial. Shpg. wt., $511 / 2 \mathrm{lbs}$. 44 F 91627 WKM $\qquad$ Net 142.95
Same as above system except with Shure Unisphere A Cardioid Dynamic Microphone instead of Lafayette microphone Shpg. wt., $511 / 4 \mathrm{lbs}$.
44 F 91635 wXM
Net 172.95
Same system as 44-91627WXN except with 2 geluxe 60 watt, 6 -speaker sound column speakers instead of 30 watt speakers. Shpg. wt., $68 \frac{1}{4}$ lbs.
44 F 91 643WXM
Net 178.95
Same as 44 f 91643 wXM except with Shure Unisphere A Cardioid Dynamic Microphene iostead of Lafayette micro. phone. Shpg wt., $683 / 4 \mathrm{lbs}$
phone. Shpg. wt., $683 / 4 \mathrm{lbs}$.
44 F 91650 wxM

## LAFAYETTE P.A. AMPLIFIER GUARANTEE

ONE Year Guarantee: All parts guaranteed against defects in material and workmanship for one year. Ship defective part to us prepaid for replacement or ship amplifier prepaid for repair


Power Output: 100 Watts at less than $5 \%$ Distortion (Peak Power 200 Watts) Frequency Response: 100 to $10,000 \mathrm{~Hz} \pm 2 \mathrm{db}$. Sensitivity: Migh Impedance Microphone 4 mV . Low Impedance Microphone $=0.3$ $m V: A u x .=0.3 v$.
Inguts: Mic-1 High $=100 \mathrm{~K}$ ohms; Mic. -2 Low $=200$ ohms; Aux- $1=400 \mathrm{k}$ ohms; Aux $-2=400 \mathrm{~K}$ ohms
Hum and Nolse: Mic. Input $=65 \mathrm{db}$; Aux Input $=70 \mathrm{db}$.
Outputs: 4, 8, 16 ohm Speaker. 25V (6.25 ohm); 70 V ( 49 ohm ); Tape/Booster $=$ 10 K ohm $5 \mathrm{~V}_{\mathrm{i}}$ Tape Record $=10 \mathrm{~K}$ ohm 0.5 V or more.

Semi-Conducters: 9 Sillcon Transistors, 4 Silicon Diodes, I Zener Diode, 1 Therm. istor
Power Requirement: 105 to $125 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}$; 190 VA.

Lafayettes' new 100 -watt ( 200 watt peak) solid-state P.A. amplifier features outstanding solid state circultry 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, outdoor areas, etc. where maximum coverare 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 hirh and low level microphone inputs, a switchable anti-feedback network to minimize feedback and to protect speakers against burnout. In addition the PA-100 incorporates a microphone precedence swltch that permits mutlng of auxiliary inputs when only microphone input is deslred, as well as separate mike precedence terminals to permit remote switchable microphone precedence with sultable microphone; one tape record output lack plus a common tape record and booster amplifier output jack; 2 speaker output sockets in addition to output terminals for 4,8 and 16 ohm speakers and for 25 volt and 70 volt constant voltare speaker outputs for a constant level sound system. The PA- 100 also includes power-on indicator light. AC convenience output and push-foreset circuit breaker. It is professionally designed for attractive appearance as well as for exceptional utillty. Complete with microphone connector and 2 plug-In speaker connectors. For 105.125 volts, $60 \mathrm{~Hz}, 190 \mathrm{VA}$. size $151 / \mathrm{sW} \times 51 / 4 \mathrm{H} \times 10^{1 / 2} \mathbf{2}^{\prime \prime} \mathrm{D}$. Shpr. wt.. 29 Ibs.
g9 F 46138 WUX No Money Down *
Net 114.95

## 100-Watt Portable P.A. Systems with Dual Speakers

## FOR THE MAJORITY OF SOUND SYSTEM APPLICATIONS...

School Auditoriums, Churches, Theaters, Studios, Lecture Halls, etc.


Consists of:

- Lafayette PA-100 100- Watt Solid State PA Amolifier

Lafayette 99-45981

- Two 30-Watt Heavy Duty 12" Wide-Range P.A. Speakers
- Choice of Deluxe Dynamic Microphones
- Attractive, Sturdy Carrying Case for Amplifiers, Speakers, and Accessories. Serves as Efficient Speaker Baffle.
- Two $35^{\circ}$ Speaker Cables


## As Low As



Complete 100 Watt portable PA system as above with Lafayette 99-45981 deluxe dual-impedance dynamic "pop-proof" microphone with on-off switch, desk stand and 6 ft . detachable cable. The microphone can also be hand-held or mounts on any standard floor stand. Shpg. wt., $623 / \mathrm{lbs}$.
44 F 91809 WXM ${ }^{\prime}$ No Money Down* Net 167.95 Same system as above except with Electro. Voice 664 dynamic cardioid microphone with 15 ft . of cable, instead of 99-45981 microphone. Shpg. w1., $623 / 4 \mathrm{lbs}$.

## E-V <br> 44 F 91817 XXM No Money Down <br> Net 204.95

## ${ }^{564}$ Lafayette Portable P.A. Case

## - 2 Baffles In One Case

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 carrying handie. Covered with attractive grill cloth. Has $Z$ hooks in each half for carrying speaker cables and provisions for mike and

## - Room For Two 12" Speakers

mike base. 4 snap locks. In addition to room for two $12^{\prime \prime}$ speakers, there is ample space for any amplifier and phono top measuring up to $163 / 4 \mathrm{~W} \times 113 / 4 \mathrm{D} \times 10^{\prime \prime} \mathrm{H}$. $173 / 4 \times 123 / 4 \times 22^{\prime \prime} 0.0$. Shpg. wt., $183 / 4 \mathrm{lbs}$.

44F 01261 Wx
Page and SAVE MONEY!

## LAFAYETTE P.A. AMPLIFIER GUARANTEE

ONE Year Guarantee: All parts guaranteed against defects in SR LAFAYETTE material and workmanship for one year. Ship defective part to us prepaid for replacement or ship amplifier prepaid for repair

## 100-Watt Indoor Public Address Systems

Excellent for: Department Stores, Auditoriums, Airports, Large Meeting Halls, Churches, Temples, etc.

with WALL-MOUNT SPEAKERS
 Speaker Baffle Combinations

## $\% 228^{95}$

Consists of:

- Lafayette PA-100 100.Watt Solid State PA Amplifier
- 6 Lafayette Pre-wired Speaker Baffle Combination with 8" 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 sys. tem as above with Lafayette 99. 45981 deluxe dual impedance dynamic "pop-proof" microphone whith on-off switch, desk stand and 6 ft . detachable cable. The micro. phone can also be hand held or mounts on any standard floor stand. Shpg. wt., 76 tbs. No Money Down*
44 F 91825 wXM
Net 228.95
Same as above system except with famous Electro-voice 664 dynamic cardioid microphone with 15 ft . of cable instead of 99.45981 microphone. Shpg. wt, 76 lbs.
44 F 91833 WXM
Net 266.95
with COLUMN SPEAKERS $\% 180^{95}$
Consists of:

- Lafayette PA-100 100-Watt Solid State PA Amplifier - Troo 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" microohone with on-off switch and desk stand. Microphone can alsa be hand held or mounts on any standard floor stand. Column speakers are $301 / 4{ }^{\prime \prime} H \times 7^{\prime} W \times 31 / 8^{\prime \prime} D$. Shpg. wt., 59 lbs. No Money Down* 44 F 91841 WXM Net 180.95 Same system as above except with 2 Lafayette deluxe 60 -watt 6 . speakers. $411 / 2^{\prime \prime} H \times 71 / 4{ }^{\prime \prime} W \times 5^{\prime \prime} 0$ sound column speakers instead of 30 -watt column speakers. Shpg. wt. $761 / 2 \mathrm{lbs}$. No Money Down 44 F $91858 \mathrm{WXM} \quad$ Net 218.95 Same system as 44-91858wXM ex cept with Electro-Voice 664 dy namic cardioid microphone with 15 ft of cable. instead of 99 . 45981 microphone. Shpg. wt. $761 / 2$ lbs. No Money Down* 44 F 91874 WXM Net 255.95


Column
Speakers

## 100-Watt Hi-Power Outdoor P.A. Systems

- Lafayette PA-100 100-Watt Solid State PA Amplifier
- 2 Electro-Voice PA30A 30-Watt Outdoor Projector Speakers
- Choice of Deluxe Dynamic Microphones

This outstanding outdoor PA system with Lafayette $99-45981$ deluxe dual-impedance dynamic "pop-proof" microphone with on-off switch desk stand and $6-\mathrm{ft}$. detachable cable. Microphone can also be hand held or mounts on any standard floor stand. Shpg. wt., 46 lbs. 44 F 91882 Wxm No Money Down*

Net 167.9 Same system as above plus 2 additional E-V PA3GA projector speakers. Shpg. wt. 61 lbs. 44 F 91890 WKM No Money Down

Net 211.95 Same system as 44.91882 WxM except with famous Electro.Voice 664 dynamic cardioid microphone instead of 99.45981 microphone. Shpg. wt., 46 lbs.
44 F91908WXM No Money Down*
Net 204.95
Same system as 44.91890 WKM except with Electro-Voice 664 dynamic cardloid micraphone instead of $99-45981$ microphone. 44 f 91916 WXM Shpg. wt. 61 lbs.

Net 249.95


40 WATT SOLID STATE MOBILE PA AMPLIFIER
IDEAL FOR：
Outdoor Campaigns
Police
Fire
Civil Defense
Boats


Exceflent 40 －watt moblle P．A．amplifier for civil，military and gen－ eral commercial use． 55 －watt peak power solid state circuilfry employs 5 －transistors and 1－diode for economical and instant＂On＂operation Three separate easy to see fiber－optic illuminated controls have ind vidual On／Off and gain functions to permit separate or simultaneous playing of external equipment and paging system．Three inputs are provided： 1 －low impedance microphone input（ $50-500$ ohms）； 1 － tuner，tape recorder，etc．Has $12-14 \mathrm{VDC}$ power and audio output socket lor siren，fog horn，etc．Response： $150-15,000 \mathrm{~Hz}$ Output impedance： $4,8,16$ ohms．Operates from any $12-15 \mathrm{VDC}$ source． includes mobile mig．bracket and $D C$ cable．Size： $9 \%$ ． $21 / h_{0} \times 9 " D$ ． Shpg．wt．
44 F
01402 ws PA．
Dynamic Push－to－Talk Public Address Microphone． 99 F 45775

Net 69.95 99 F 45775

## －Net 4．30 <br> ＂TINY MITE＂SOLID－STATE 16 WATT MOBILE PA AMPLIFER

－Real Tiny－Only $13 / 8 \mathrm{Hx} 3 \mathrm{~K}_{6} \mathrm{Dx}{ }^{7 / 8{ }^{\prime \prime} \mathrm{W}}$
－All Solid State－No Warmup！
－For 12 Volts DC，Negative or Positive Ground
ideal for mobile PA applications，the＂Tiny Mite＂fits into practicalty all cars and trucks，and features two inputs（100K and 600 ohms）for use with dynamic，crystal，or magnetic microphones；phono pickup； tape recorder or AM radio．Output impedance： 8 or 16 onms．Low current consumption：draws maximum or complete with microphone battery．Fused ford speaker cables，and under－dash mobile mounting bracket imported．Shpg wt．， $2 \mathrm{y} / \mathrm{h}$ bs． $\qquad$ Net 29.95 bracket．Im
99 F 45890
Lafayetie Solid State 16 Watt Mobile PA System
Lafayette Solid State 16 Watt Mobile PA Amplifier
2 Lałayette Horn PA Speakers
－Lafayette Push－to－Talh Dynamic PA Microphone
Above Lalayetle 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 match－ ing dynamic push－to－talk microphone．ShDg．wt．， 5 lbs．

Net 46.95 Same system as above except with Atias M0．1 25 watt weatherproof sneaker with fail safe mobile bracket instead of iwo horn soeakers．

$$
\begin{aligned}
& 44 \text { F } 91031 \text { wxM Shpg, wt. } 9 \text { lbs. } \\
& \text { You Save } 3.50 \text { From Individual Catalog Prices }
\end{aligned}
$$



# PA Sound Columns, Speakers, and Megaphones 

## LAFAYETTE 6 SPEAKER directional sound columns

## LAFAYETTE 8" 10-WATT MULTI-TAP PA SPEAKER SYSTEM

## As Low As <br> $29^{95}$

Ideal For
Installation In:
Auditorlums.
Schools,
Churches,
Meeting Rooms

- Reduces

Reverberation and Feedback Problems

- Concentrates or
"Focuses"
Sound Where
Needed

Sound columns contain specially designed, matched and balanced speakers stacked in a vertical array, Sound columns are most desired where difficult acoustics exist. This is accomplished by widely directing sound in a horizontal plane so as to cover a large audience, and by narrowing the vertical plane in order to 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 $41 / 2^{\circ}$ speakers handle up to 30 watts power. Frequency response $200 \cdot 10,000 \mathrm{~Hz}$. 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. Shpg. wt., $131 / 2 \mathrm{lbs}$.
99 F 46146 WX
Net 29.95
E Oelure Lafayette 60 Watt Sound Column Six powerful $6^{\prime \prime}$ speak. ers handle up to 60 watts power. Size: $411^{\prime} 1 H \times 73 / 4^{\prime} W \times 5^{\prime \prime} \mathrm{D}$. Frequency response $70-10,000 \mathrm{~Hz}$. Dispersion $1: 0^{\circ}$ horizontal, $30^{\circ}$ vertical. Handsome vinyl covered wood cabinet. Impedance 8 ohms. Shipg. wt., 221/4 lbs.
99 F 46252 Wx No Money Down*
Net 49.95

## WEATHERPROOF OUTDOOR PUBLIC ADDRESS AND HI-FIDELITY SPEAKERS



## ELECTRO-VAICE $? 50$ SONOCASTER



## electoovoice sonocaster I

ELECJROVOICE SONOCASTER I Lightweight, rugged and weatherproo for extension or portable use anywhere. Special racax coaxial 8 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, recorder, etc. Black molded housing similar to fine air travel luggage; can't chip. fade or peel. Accessory hangup bracket Included. Molded-in handie. 8 ohms. 30 watts peak $163 / 4 \mathrm{H} \times 17 \mathrm{~W} \times 57 / 0^{\prime \prime} \mathrm{O}$. Wt. $61 / 2 \mathrm{lbs}$.

## 21 F 30300W

Net 22.50
UNIVERSITY MLC Ideal for coverage of moderate size areas or crowds -or for sound reinforcement where smooth, clean, wide range musical reproduction and even distribution are important. Fiberglass reinforced polyester housing with movable mounting brachet. Excelient reproduction from $150-15000 \mathrm{~Hz}$ with a power rating of 15 watts. System has a 2000 Hz crossover. $120^{\circ}$ dispersion; 8 ohms impedance. Dimensions $123 / 4 \mathrm{~W} \times 91 / 8 \mathrm{H} \times 155 /{ }^{\circ}{ }^{\circ} \mathrm{D}$. Shpg. Wt., $113 / 4 \mathrm{lbs}$. 44 F 80018 No Money Down*

Net 45.05


## $17^{95}$

- Built-in Volume Control

- 70 Volt and 25 Volt Line Matching Transformer with Taps for $10,5,2.5,1.25$, and .625 Watts An $\varepsilon^{\prime \prime}$ multi-tap PA speaker completely prewired in a finished wood Daffle. Ideal for any type of indoor sound system. Heavy duty speaker has 4.64 02. Alnico magnet. Power rating: 10 watts. Transformer is mounted directly on speaker frame. Taps are $10,5,21 / 2,11 / 4$. and 5 5 watts for connection to 70 volt and 25 volt amplifier output. Terminal board with screw terminals is provided at the rear of baffle for easy connections. Speaker has tis own volume control for setting volume levels as desired at speaker location. Size: $11 \mathrm{~W} \times 9 \% \mathrm{a}^{H} \times 61 /{ }^{m 0}$. Imported Shpg. wt., 7 lds.
99 f 46310 W
Net 17.95


## POWER MEGAPHONES

## NEW! FANON MV-3 TRANSISTORIZED MEGAPHONE

- Range up to 600 Ft . - 3 Watts Output. 31 95


Lighiweight aluminum. Baked enamel Inish for durability. Anti-howl damping element. Pistol grip. Hi/Lo volume switch. $5^{\prime \prime}$ reflex aip column. $81 / 2^{\prime \prime}$ beli. Power output: 3 watts peak - 1.5 watts rated. Range: 200 yds. Batterles: Four "D" cells (not included) give over 6 hours continuous operation. Convenient carrying strap. Size: $9^{\prime \prime} x$ 13". Imported
44 F 30260 W Shpg. wt., 5 lbs
Net 31.95
99 F 63661 W LongoLife " $D$ " Batteries (4 req'd).
Ea. .23

## FTOTRO POWERHOUSE TRANSISTORIZED MEGAPHONE

For Sports, Ship Hailing. Camping, Hiking, Etc.

- Rustproof - Waterproof
- Range Up to 1200 Feet


This land and sea megaphone features all aluminum construction supert clarity and tonal quallty, a durabie 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 cushioned with a polyvinylchloride bumper rim. finlshed in brilliant red and ebony blach. Imported. Dim.: 71/4" Dia. $\times 121 /{ }^{\prime \prime}$ L.
44 F 27027 W Shpg. wt., 5. Ibs. No Money Down *
Net 44.95
99 F 63661 WLong-Life "D" Batteries (4 Required) …….... Ea. 23

## FHOTDO POWERHOUSE TRANSISTORIZED MEGAPHONE

- MARINE AND SPORTS Blast-Siren-Signal

- Fog Horn - Boat Horn "Mayday"
- Coast Guard Distress Signaling
- Power Range Up to 3600 Feet


Perfectly balanced plstol grip with trigger swltch and fingertip volume control. All aluminum weatherproof construction, adjustable carrylar strap and rubber bumper rim. Power output of 16 -watts. Instant battery loading with 4 optlonal "D" cell batterles. Finished in red and ivory. Imported. Dim.: $71 / 0^{\prime \prime}$ Dia, x $123 / 4^{\prime \prime} \mathrm{L}$ 44 F 27035 W Shpg. wt., 6 lbs. No Money Down*

Net 79.95
99 F 63661 Long-Life " 0 " Batteries ( 4 req"d).
Ea. . 23

## PA Projectors, Trumpets, Paging Speakers and Drivers

## LaFAYETIE MINIATURE HORN PAGING SPEAKER

LAFAYETIE PA DRIVER UNITS


An excellent general purpose paging speaker of amazingly compact size. Ideal for portable PA systems, patios, etc. Long throw projecthon of $90^{\circ}$ dispersion offers maximum speech intelligibllity in high noise areas. Compact size enables lt to be mounted anywhere in almost any posifion. Frequency response $400 \cdot 12,000 \mathrm{~Hz}$. Impedance 8 ohms, Power handling capacity 5 walts, 8 watts maximum. Com. plete with mounting bracket, 2 -conductor cable. Horn diameter $51 / 8^{\prime \prime}$. Depth $43 / 4$ ". Imported, Shpg. wt., $14 / 2 \mathrm{lbs}$. 99 F 45080

Net 7.95

## E-V PROJECTORS AND PAGING SPEAKERS


(C)
(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, Rating: 52 obb. Power handling capacity: 30 watts program. Response: $150 \cdot 10,000 \mathrm{~Hz}$. Impedance: 8 ohms. Dispersion: $120^{\circ}$. Universal U Mounting bracket. Dimensions: $101 / 2 \times 201 / 2 \times 20^{\circ}$
44 F 25641 W Shpg. wt., 17 lbs.
Net 57.00
(B) NEW! ModeI PA-12. 12-WATT PAGING SPEAMER. Fiber-polyester construction. Round reentrant design. Wide dispersion. Frea. Response: $325-14,000 \mathrm{~Hz}$. Impedance: 8 -ohms. Power Handling: 12 watts. Size: $71 / 2 \times 63 /{ }^{*}$ ". Shpg. wt., 5 lbs.
44 F 25765
Net 16.20
(C) Model PA-30A. 30.WATT PAGING PROJECTOR. Rugged, high-impact horn. Rectangular horn design for maximum versatility, wide dispersion. Smooth response for both voice and music: $250-14,000 \mathrm{~Hz}$. 30 watts, 8 ohms. Dispersion: $120^{\circ} \times 90^{\circ}$ EIA sensitivity rating 59 $\mathrm{db} .11 \mathrm{H} \times 61 / 2 \mathrm{~W} \times 81 / 2^{\prime} \mathrm{D}$. Shpg. $\mathrm{wt} .71 / 2 \mathrm{lbs}$.

## 44 F 25153

Net 23.70

## UNIVERSITY PAGING/TALK BACK SPEAKERS



Compact sized, weatherproof, highly efficient speakers for all PA fixed and mobil installations. With patented "Omni-Lok" swivel mount-quickly converts for iftting to $1 / 2^{\prime \prime}$ pipe.
Model MIL-M -Response: $350 \cdot 13,000 \mathrm{~Hz}$. Impedance: 8 ohms. Ideal for low power systems requiring high efficiency. Handles 10 watts Dispersion: $120^{\circ}$. Size: $7 \mathrm{~K}_{10} \times 6 \%{ }^{\prime \prime}$. Shpg. wt., $31 / 4 \mathrm{lbs}$.

## 44 F 80067

Net 20.75
Model I8-A8. Ideal for fill in applications in hign power sound sys tems and as the main speaker in low to moderate power systems. Response: $250-13.000 \mathrm{~Hz}$, Handles 30 watts. Impedance: 8 ohms. Dispersion: $90^{\circ}$ Size: $10 \times 91 / /^{* *}$. Shpg. wt., $43 / 4 \mathrm{lbs}$.
44 F 80034
Net 25.17


Hermetically sealed weatherproof driver units. Recommended for all type of PA work and industrial requirements. Widerange response of these drivers assure excellent reproduction of voice and music. Will fit all trumpets and projectors. Impedence 16 ohms.

| Stock No. | hesponse (Hz) | Size | Watts | Shpg. Wt. | Net |
| :--- | :---: | :---: | :---: | :---: | :---: |
| $99 F 45072$ | 120.7100 | $4 \times 31 / 4$ | 25 | 3 lb. | 11.95 |
| S9F 46250 | $80-12,000$ | $41 / 2 \times 4$ | 40 | 4 lb. | 16.95 |

## UNIVERSTTY WEATHERPROOF REFLEX TRUMPETS



Highly efficient air column directional reproducer to give maximum intelligibility in areas of high noise level. Design of units listed below provide optimum sound distribution pattern, increases sound intensity along speaker axis dependent upon diameter of 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.

| Stock No. | Model | 0iam. | Lng. | Air Col. | Shpt. | Wt. |
| :--- | :--- | :--- | :--- | :--- | ---: | ---: | Net

## ATLAS MOBILE PA MARINE AND CB SPEAKERS



Model MO.1 Weatherproof speaker with special. rigid, one-piece cast bracket for tail-safe use on vehicles or boats. Concealed wiring and special one-piece horn discourage tampering. High efficiency for use with mobil radio transceivers. Ideal for shipboard cabin-top mounting. Power: 25 watts Impedance: 8 ohms. Response: 300-13, 000 Hz . Dispersion: $130^{\circ}$. Size: $71 / 4^{\prime \prime \prime}$ betl diameter. $67 / \%^{\prime \prime} \mathrm{D}$. Shpg. wion 6 lbs.
44 F 10346
Net 29.40
Model M0.2 Compact, weatherproof mobile communications speaker with welded steel bracket for concealed, fimited space use in vehicles or on boats for bulkhead or cabin top mounting. Power: 25 watts. Impedance: 8 ohms. Response: $300-13,000 \mathrm{~Hz}$. Dispersion: $130^{\circ}$. Size: $67 \mathrm{WW} \times 8 \times 4 \mathrm{~K}_{6}{ }^{\prime D}$. Shpg. wt., $53 / 4 \mathrm{lbs}$.
44 F 10353
Net 29.10

## 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. $13 / 4 \times 21 \%, \times 11 \%_{0} \cdot 23 / \mathbf{c}^{-}$centers.
44 F 80165 Shpg. wt., 1 lb.
Net 6.57
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. $1^{1 \%} \times 11 \% \times 158^{\prime \prime} ; 2^{-1}$ centers.
44 F 80174 Shpg. $w 1 ., 3 / 4 \mathrm{lb}$.

# LAFAYETTE PA Speakers - Lowell Baffles 

## LAFAYETTE CEILING BAFFLE with SPEAKER

-Wide Range Hi-Fi Response

- Measures Only 21/4" Deep

The perfect speaker to furnish music or paging throughout your home, office or factory, this unique ceiling and wall baffie speaker offers fine audio reproduction. Advanced design empioys an inverted magnet, placing the 12 oz. magnet structure in front of the speaker rather than behind as in conventional speakers. Only $21 / /^{\prime \prime}$ deep with its own metal baffie plate, it easlly mounts in any wall, celling, closet or ordinary wood enclosure. Two are perfect for stereo. Volce coil is $1^{\prime \prime}$ Diam. Frequency Response: $90-9,000 \mathrm{~Hz}$. Impedance: 8 ohms, Overali size including metal baffie is $91 / 2^{\prime \prime}$. Requires $65 \mathbf{y}^{\circ}$ wall cutout. Imported. Shpg. wt., 3 lbs. 95 F 45058

Net 5,95

## NEW UTAH OM-10 OMNI-Directional IE $8^{\prime \prime}$ 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: $11 \times 11 \times 41 / 2^{2}$. 44 F 20030 W Shpg. wt., 4 lbs. .-... Net 15.95


## LAFAYETTE PA SPEAKERS

## $\mathbf{8}^{\prime \prime}$ PA SPEAKER

- Handles 20 Watt Peaks

The 8* tavorite of professional sound installers; with 5.5 oz. ceramic magnet and $3 / 4^{-}$voice coil. Magnet assembly bonded with RF-cured epory, can't shift. Internal magnet seal for added dependability. Handles 10 .watts program, 20 -watts peak. Impedance, 8-ohms. Cnly $27 / 4$ - deep, fits insice walls. A popular speaker at a popular price.
44 F 01030 Shpg. wt., 2 bs.

## 12" PA SPEAKER

- Handles 36 Watts Peaks Highly efficient magnet and voice coil combination for maximum sound output per watt; 10 oz. ceramic magnet and $1^{\prime \prime}$ voice coil. Magnet assembiy bonded with RF-cured epoxy, can't shift. Internal magnet seal for added dependability. Handles 8 -watts program, 36 -watts peak. Impedance, 8 -onms. 4\%is" deep. Shpg. wt., 4 los. 44 F 01022

Net 7.95


## DELUXE HEAVY DUTY 12" PA SPEAKER

- Handles 60 Watts Peak
 195 High Power handling ability for large instailations. Tough industrial type $11 / 2$ " voice coil. 20 oz . ceramic magnet for excellent efficiency. Accepts all popular line-fo-voice coll transformers. Power handling 30 watts ( 60 watts peak). Imp., 8 ohm. Overall Diam-
 44 F 08600w

Met 11.95
$4^{95}$ Net 4.95
795


## AKER BAFFLES

 FLUSH-MOUNTING PLASTIC BAFFLES AS LOW AS 996

Decorative high impact Styrene plastic baffles: White finish. Lightweight and durable-will not fade, chip or mar-Model ADS80-P has full $360^{\circ}$ dispersion. Self-tapping speaker mounting screws sup. plied.

| Stock No. | Type | Description | Wt. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 44F50144 | ADS80P | For 8" ceiling Spkr 10x10" | 802. | 2.96 |
| 44 F 50151 | Ch80P | For $8^{\prime \prime}$ celling/wall Sphr 10x10" | 802. | 2.75 |
| 44 F 50169 | L35P | For $31 / 2^{\prime \prime}$ intercom Sphr $41 / 2 \times 7^{\prime \prime}$ | 302. | . 99 |



Popular steel style grills with enduring baked on white enamel finish. All grills have 4 studs on rear to mount speaker. For $\mathbf{8 "}^{\prime \prime}$ speakers. Ali hardware is furnished.

| Stock No. | Type | Description | Wt. | Net |
| :--- | :--- | :--- | :---: | :---: |
| 44 F 50201 | LK.8 | For $8^{* \prime}$ Celiling Speaker 13ya" dia. | 2 lbs | $2.5^{33}$ |
| 44 F 50219 | CW-8 | For $8^{*}$ Celling Speaker $12^{-}$dia. | 2 lbs. | 3.50 |

## fLAT TILE TYPE PANEL BAFFLE

Type M8-Square steel type. Designed to match and replace standard $12 \times 12 \times 1 / 2^{\circ}$ acoustic tife blacks. Permits a completely hidden speaker system - for $8^{\circ}$ speaker mounting hardware is furnished--Baffle is zinc chromate undercoated and finlshed in flat white lacquer $12 \mathrm{x} 12 \mathrm{x} 1 / 2^{\sim}$. FOR PROPER ENCLOSURE SEE ENCLOSURE LIST. tNE.
44 F 50193
Net 3.67
RECESSED ALUMINUM BAFFLES


AL


RS and AL 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 full $360^{\circ}$ sound dispersion. REQUIRE PROTECTIVE SPEAKER ENCLOSURES (TYPE CP AND XCP LISTED AELOW).

| Stock No. | Type | Description | Lts. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 44 F 50011 | RS-6A | For 6" speaker 10\%/4 $\times 7 \%{ }^{\prime \prime}$ | 1 | 2.53 |
| 44 F 50029 | RS-8A | For $8^{\prime \prime}$ speaker $12 \%$ " $\times 1 / 2^{\prime \prime}$ | 1 | 2.50 |
| 44 F 50037 | RS-8A | Same as above but wh. enam. | 1 | 2.50 |
| 44 F 50045 | RS.12A | For $12{ }^{\prime \prime}$ speaker $161 / 2^{\prime \prime} \times 1 / 2$ " | 13/4 | 3.85 |
| 44 F 50052 | AL6A | For $6^{\prime \prime}$ speaker $104 / 2^{\prime \prime}$ Dia. | $11 / 2$ | 3.97 |
| $44 \% 50060$ | Al8A | For $8^{\prime \prime}$ speaker $1256^{\prime \prime}$ Dia. | $13 / 4$ | 6.64 |
| 44 F 50078 | ALI2A | For 12 speaker $163 / 4{ }^{\prime \prime}$ Dia. | $31 / 2$ | 3.12 |

## PROTECTIVE MOUNTING ENCLOSURES

Protect against damage from lalling mortar, dust, rodents, etc. 22 ga. steel welded construction. Exteriors are rust-proofed with zinc chromate; interiors are heavily endercoated to prevent resonance. CP serles used

for new construction, XCP for existing ones,
P875X for elther, Shpg. Wt.: Types CP1012, XCP1012-71/2 lbs.; CP84, XCP84, P875X, CW-8-41/2 lbs.; CP-6, XCP-31/2 lbs.; P22X1 lb .

| Stock No. Type | For | I.D. | O.D. | Depth | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 44 F 50088 CP-6 | AL6.A, RS6-A | 75/8" | 111/" | 47\%" | 3.67 |
| 44 F 50094 CP84 | AL8-A, RS8-A, ME | 85\%" | 1316" | 436" | 4.54 |
| 44 F 50102 CP1012 | AL12-A, AS12-A | 1212" | 1712" | 71/3" | 6.22 |
| 44 F 50110 ХCP6 | AL6-A, RS6-A | 7\%" | 1014" | $41 /{ }^{\prime \prime}$ | 3.25 |
| 44 F $50128 \times$ XP84 | Al8.A. RS8-A, M6 | $85 / 8$ | 113/4" | 43\%" | 4.07 |
| 44 F 50138 XCP1012 | Al12-A, RS12-A | 12\%*" | 16" | 71/6" | 5.59 |
| 44 F 50177 P875x* | AL8-A, RS8-A, ME, ADS80.P, CR80-P | - |  | 35\%" | 5.25 |
| 44F50185 P22X** | L35P |  |  | 2 | 2.13 |
| 44 F 50227 CP-200 | CW-8 | $10^{\prime \prime}$ | 131/2" | 5 " | 4.30 |
| "Size $83 / 4 \times 83 / 4{ }^{\prime \prime}$ | - Size 64/x4" |  |  |  |  |

## Extension, Outdoor and TV Remote Control Speakers



LAFAYETTE OUTDOOR 8" PATIO SPEAKERS


## As Low As

$10^{95}$

- Weatherproof Waterproof
- Freq. Response: $40-15,000 \mathrm{~Hz}$
- 5.5 oz. Ceramic Magnet
- Peak Power 20 Watts

Retax with music outdbors at patio, porch or poolslde. Prewired with $25^{\circ}$ cable for easy connection to radio, phono or hi-fi system. Unatfected by dampness or rain. Durable steel enclosure with baked-on finish. Convenient, step. saving volume control. 8 ohms; 20 watts peak; $40-15.000 \mathrm{~Hz}$.; $10 \% / 8 \times 10^{7 /} / \times 553$ 年" D . Shpg. wt., 7 Ibs 44 F 33058 DELUXE VERSION of above with heary-duty speaker featuring 10 or. ceramic magnet and co-axially mounted high-frequency cone for $35-19,000 \mathrm{~Hz}$ response. 15 watts normal, 30 watts peak. 44 f 33066 Shpg. wt., 7 lk lbs.

## LAFAYETTE EXTENSION SHELF SPEAKER SYSTEM



## - Attractive Mahogany Finished Wood Cabinet

Ideal as an extension speaker for your den, basement, kitchen or bedroom. Use two for stereo or with your TV and Radio. Housed in a beautlfui mahogany finished wood cabinet. 5 -watt $4 \times 6^{\prime \prime}$ speaker is designed to work from either 4 or 8 -ohm output. Supplied with 25 -feet of cable. Size: $91 / 2 \times 71 / 4 \times$ with 25 feet of cable, Size: $91 / 2$
$31 / 9 \mathrm{~s}^{\prime \prime} \mathrm{O}$. Imported. Shpg. wt.. 3 lbs . $31 / 9^{\prime \prime} \mathrm{F}$
45502

Net 7.95

## LAFAYETTE 4" PAGING SPEAKER SYSTEM



- Includes 25-Ft. Speaker Cable With Plug
For use in multi-speaker low power paging systems, intercom systems, auxiliary bench speaker, etc. 4" PM speaker with heavy magnet. Mounted in 2 -tone walnut and black wood baffle. The baffle has slooing.front and enclosed-back acoustic construction and has a built in jack for plug.-in connection of the ${ }^{25}{ }^{\circ}$ cable and plug suppited. Speaker voice coil is 4 ohms. size: $5 \mathrm{~W} \times 5 \% / 8 \mathrm{H} \times 34 / 40^{\circ}$. 1 mported. Shpg. wt., $12 / 2 \mathrm{ibs}$.
99 F 45510

Net 10.95

Net 13.95

## Lafayette extension WALL SPEAKER SYSTEM

 Only 895

- Volume Control
-6" Speaker - Oiled Walnut Wood Finish
Fine sounding and hanosome looking extension speaker system with brackets for hang. ing on any wall. Outstanding tonal quality from a wide-range $6^{\prime \prime}$ speaker makes it ideal for Hi.Fi extension speaker use. Features volume control. Excellent for P.A. and paging. $97 / \mathrm{BH} \times 9^{2 / 6 W} \times 4^{\prime \prime} \mathrm{D}$. Imp: 8 ohms. Im. ported.
99 F 45494 Shpg. wt., $31 / 2$ lbs. Net 8.95


## MINIATURE 2-WAY

REMOTE CONTROL TV SPEAKER


- Control Both TV Set Speaker and Remote Speaker From Your Armchair
Fine quality built-in speaker makes it perfect for use as a remote TV speaker anywhere in your home or office. Dual controls for listening to TV speaker only, remote speaker only, or both speakers together. Attractive molded cabinet measures $4 W \times$ $27 / 8 \mathrm{H} \times 13 / \mathrm{m}^{\mathrm{ND}}$. Complete with $20 \cdot \mathrm{ft}$. of 4 conductor cable. Imported. Wt.. 1 lb . 99 F 45486

Net 3.95

Model MS-3-3B. Compact, weatherproof, dustproof. Ideal for use in mobile communications, for intercom paging, and as an extension speaker. Can be immersed in water. Power rating 3.watts. Resp: 100 to $10,000 \mathrm{~Hz} ; 8 \mathrm{ohms} \mathrm{imp} .44 / 2 \times 41 / 8 \times 25 / 6$ with bracket. Wt., $1^{3 / 4} \mathrm{jbs}$. 44 F 52017
Model MMS-8f. Similar to above but with $8^{\prime \prime}$ speaker. Power rating 8 watts. Resp: $70-13,000 \mathrm{~Hz} .9 \times 9 \times 41 / 4^{\prime \prime}$. Shpg. wt., $71 / 4 \mathrm{lbs}$. 44 F 52025

Net $\$ 3.90$
 Cane Grille
Versatile extension speaker suitable for desk or shelf use. Attractive tri-angular shaped. oiled walnut finished cabinet. Powerful $4 \times$ $6^{\prime \prime}$ oval speaker provides fine tone. Complete with volume control and 22 ft . of wire. Impedance 8 ohms. Size: $73 / 4 \mathrm{~W} \times 51 / 4 H \times$ $51 / 2 " D$ (at the base). Imported. Wt., $34 / 2 \mathrm{lbs}$. 99 F 01216

Net 6.95

## DELUXE 2.WAY

REMOTE CONTROL TV SPEAKER


- 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 tonai quality. With 2 fader controls so that you may listen to either the TV speaker, this remote speaker, or both blended to the volume level you desire for each. You can turn off volume on both speakers without turning off the set. Attractive walnut tinished cabinet which measures $93 / 4 \mathrm{~L} \times 61 / 4 \mathrm{H} \times 31 / 4^{\prime \prime} \mathrm{D}$. Complete with $20^{\circ}$ of cable. Imported. Shpg. wt., 3 lbs. 99F45965


## MIXERS—PREAMPS-EQUALIZERS

LAFAYETTE TRANSISTORIZED STEREO/MONAURAL
MIXE MIXER


- Transistorized No Warm-up - Compact and Durable
- Matches High Impedance Mikes - Up to 4 Input Channels


## LAFAYETTE SOLID STATE STEREO MIXER/PREAMP


"All-Transistor" stereo-mixer/preamp! For use with any power amplifier not incotporating low-tevel Inputs for magnetic cartridges, tape heads and low-impedance microphones. Raises the output of any low level source without affecting the signal-to-nolse ratio. Features: 2-mike, 2-phono, 2-tape inputs, volume controls for left; fight channet; equallzation switch; power off/on switch; mode switch; buift-in 9V DC power supply, or operates off 117V 50/60 Hz AC. Input impedance: 50 K ohms. Output impedance 5 K ohms at max. voi. Size: $21 / 24 \times 7 W \times 51 / 2^{\prime D}$. With battery. Imported. Shpg. wt., 21/2 Dos.
39 F 0178 5
Net 16.95
39 F 50211 Replacement Battery
Net .21
SHURE MICROPHONE MIXER


The Shure M68 is a fully transistorized prolessional mixer providing for the utmost flexibility in use. It has four microphone channeis plus an auziliary channel. There are fire galn controls (an individual one for each channel) plus a master gain control. There is instantaneous and independent sefection of high or low impedance on each of the microptone inputs. Mate Cannon type input receptacles. Outputs to match high or low impedance microphone inputs or high imp.n
 ids.
44 F 75580 No Money Down* $\qquad$ Net 84.00
MODEL MGAFC. Same as above but with female Cannon-type input receptacles.
44 F 758sit No Money Down* $\qquad$ Net $\mathbf{0 0 . 0 0}$
HIGH IMPEDANCE MIXER
MODEL M6EP. Sanve as M68 above but with high impedance inpuls only. Phone plug input receptacles.
4 f 7859 No Money Down* $\qquad$ Net 89.00

## REVERBERATION MIXES

MOOEL M63RM, Similar to M68FC above, except has bullt-in adjustable intensity reverb for special effects, Master volume confrol. Four inputs, and can be combined with M68 or M68FC for more inputs. Jach for use with remole reverb. On-off switch. 28 VDC jach. Response: $40 \cdot 20.000 \mathrm{Mz}$. Size: $21 / 2 \times 113 / 4 \times 51 / 4^{\prime \prime}$. For 105 -130 volt AC, $50 / 60 \mathrm{~Hz}$. Shpg. wt., 8 ths.
44 F 75877 Y No Money Down ${ }^{*}$
Net 117.00


MODEL M63. Designed to give mamimum Ifexiblility in the control of volume, bass response, treble response, and high and low frequency roll-off to any high level input source. Works ideally as a final audio controlter in conjunction with the Shure M68 series of mixers. Provides the means to shape fiequency response to equalize sound system 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 leveis, and headphone jack for monitoring Continuously variable high pass and low pass 6 do per octave filters. Bass and freble tone controls. Two 30 VDC jacks and an AC receptacle. Frequency Response: $\mathbf{2 0 - 2 0 , 0 0 0} \mathrm{Mz}$. Size: $21 / 2 \times 11 \% \times 53 / 4$ ". For $105-130$ volts, $50 / 60 \mathrm{~Hz}$. AC or 30 VDC .

## MINIATURE MIXERS

 Miniature Audio Mizers.Shpg. wt., 5 lbs.
44 F 75844 Mo Money Down*
MODEL ME2V "Level Loc" Audio Level Controlier now with builtin volume control. Automatically and instantly locks the volume level of a sound system, virtually eliminating annoying volume changes, blasting, fadeout, etc. Level is predetermined by setting a single switch. Ideal where varying volume is caused by different voices, bobbing and weaving speakers. Frequency Response: $20-$ $20,000 \mathrm{~Hz}+2 \mathrm{db}$. Input Impedances: 100 K and 500 ohms; output approximately 500 and 10 ohms. Cannon-type connectors. Gain: low imped. input to low output is 0 to high output is +22 ; high imp. input to low output is -22 ; to high output is 0 . Battery operated. $21 / 2 \times 11 \times 3 / 8 \times 51 / 4 \mathrm{~m}$. Shpg. wt., $23 / 4 \mathrm{lbs}$. 44 F 75976 Complete with battery. No Money Down"
99 F $\mathbf{C 0 2 1 2}$ Extra 9 volt battery
Buy Now! Pay Later . . . Use Lafayette's Easy Pay Plan. No Money Down.


# Dynamic Microphones <br> <br> LAFAYETTE ENTERTAINERS MIKES 

 <br> <br> LAFAYETTE ENTERTAINERS MIKES}

Microphones

For Musical Instrument Amplifiers

## (A) CARDIOID DYNAMIC MIKE

A superb dynamic microphone deslgned 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: $81 / a L x 11 / 2^{\prime \prime} D$ head. With swivel stand adapter and 20 ft . detachsble cord with phone plug at other end. Imported. Shpg. wt., $13 / 4 \mathrm{lbs}$. 99 F 46294

Net 12.95 (B)

## DELUXE BALL DYNAMIC MIKE

- For Hand and Stand Use

Modern design features dual Impedance-High 50K ohms, or low 250 ohms, Omni-directlonal, $100-10,000 \mathrm{~Hz}$. Has on-off switch. Ball screen insures against "pop" and wind blast. Die-cast, finished in satin aluminum. Size: $61 / a^{\prime \prime}$ long, max. dlam. of ball $21 / \mathrm{s}^{\prime \prime}$. Complete with detachable 20 ft . cable and phone plug. Black metal desk stand and adapter for any $5 /$ an" $^{\prime \prime}-27$ floor stand. Imported. Shpg. wt., 3 lbs. 99 F 46203

Net 15.95


## LAFAYETTE PA DYNAMIC

An excellent general purpose dynamic microphone for PA and paging. etc. Designed for flexibllity in use, it may be hand-held, mounted on any sto"-27 stand. Frequency range $100-10,000 \mathrm{~Hz}$. Output $-58 \mathrm{db}, \mathrm{h} / \mathrm{gh}$ impedance ( 50 K ohms). Omnidirectional plek. up pattern. Has on-off slide switch. Gleamling black body with chrome head. Tapered body size $63 / 4^{\prime \prime}$ long, max. O.D. $11 / 4^{\prime \prime}$. Complete with $41 / 2 \mathrm{ft}$. detachable cable with mike connector, adapter for stand mounting. Imported. Shpg. wt., $11 / 4$ lbs. 99 F 46369

Net 7.95

## LAFAYETTE DYNAMIC PA MICROPHONE W/SWITCH

The perfect companion microphone to the solld state moblte PA amplifier. Features a high impact styrol case, hang-up clip and flexible single conductor shielded cable. Omnidirectional pattern mike has output impedance of 300 ohms and output level of 73 db at 1000 cps . Frequency Response: $300-2500$ cps. Grey and black case with push-to-talk switch. imported." Shpg. wt. $3 / 410$. 99 F 45775

## LAFAYETTE 3-WAY DYNAMIC

Unl-directional microphone has cardioid pattern. Excellent for general use wherever feedback or unwanted pickup is a factor. May be hand-held, slipped into lts own desh stand or used on lavalier cord. Frequency response $200 \cdot 10,000 \mathrm{~Hz}$., output -61 db . High impedance ( 50 K ohms). Case is high impact plastic finished in blue and gray. Chrome plated desk stand. Really "Hy. weight" mike measures only 35/8"Lxl" max. diam. Comolete with 5 ft . cord, stand and lavalier cord. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$. 99 F 45866

Net 6,95


LAFAYETTE HEAVY DUTY DYNAMIC

$12^{95}$

- $100-10,000 \mathrm{~Hz}$
- High Output

An especially rugged dynamic microphone featuring a wide response of $100 \cdot 10,000 \mathrm{~Hz}$. and output of -55 ob . High impedance ( 50 K chms). Omnidirectional pattern. On-off slide switch. Very heavy die cast case. Finished in satin chrome. Mounts on any standard $5 \$^{\prime \prime} .27$ stand. Size: $4^{\prime \prime} \mathrm{Hxlx1}$. With 18 ft . detachable cable with mike plug on one end. Imported. Shpg. wt., 2 Ibs. 99 F 45908


A fine quallty general purpose dynamic microphone. Dual impedance selectable at cable end: high ( 50 K ohms) or low ( 600 ohms) Frequency response $100-10,000 \mathrm{~Hz}$ with high impedance. Oufput of -58 db . Omnidirectlonal pickup pattern of $325^{\circ}$. Has on-off slide switch. Die cast, chrome plated case. Mike case measures $5^{\prime \prime} \mathrm{L} \times 2^{\prime \prime} \mathrm{H} \times 2$. Complete with 20 ft . detachable cable with mike connector. For all standard $5 /{ }^{\prime \prime} .27$ stands. Im . ported. Shpg. wt., $21 / 4 \mathrm{lbs}$.
99 F45817
Net 8.95

## LAFAYETTE VERTICAL DYNAMIC MICROPHONE $6^{95}$

- Ideal For Tape Recording and P.A. - Smooth Omni-
 directional Sound Pickup A highly versatile studlo-iype dynamic mic. rophone which is equaliy at home with the tape recordist and public address sound systems. Lightweight, it can be mounted on any standard $5 / /^{\prime \prime} \cdot 27$ stand. Has omni-directional polar pattern. Frequency response: $100-10,000$ hertz. High output, -54 db . Impertance. 50,000 ohms. Smart, durable chrome finish, with silver grey screen. Complete with self-adjusting swivel, standard s," 27 stand thread and non-detachable $5 \mathrm{ft}^{\prime}$. cable. Dimensions: $5^{\prime \prime} \mathrm{Hz} 12 / 2^{\prime \prime} \mathrm{W}$. Imported. Shpg. wt., $1 / 4 \mathrm{Ib}$.
19 F 45593
Net 6.95


## Lafay microphones Economy Mikes and Miniature Mixers

Excellent for PA systems,
home recorders and general applications. Frequency response 50 to 10,000 Hertz. Output level -52 db provides ample output for use with low gain amplifiers. Uses quality moisture sealed crystal; Die cast case in rich green baked enamel finlsh, with chrome grill. Completely equipped with 5 feet of shielded cable. Mike may be used on any stand with 5/h"-27 thread. Grill diameter $233 / 4$ ", depth 41/4", height $41 / 2^{\prime \prime}$. Imported. Shpg. Wt., $1 / 4$ lbs.
99 F 45122
Net 4.50

## LAFAYETTE MINIATURE MIKES \& CARTRIDGES



## A. MINIATURE DYNAMIC MIKE

Rugged-metal encased-to resist mechan ical shock and variatlons in heat and humidity. Measures only $11 \mathrm{Ma}^{\circ}$ dia. $\times 5 / 16^{\prime \prime}$ thick. Migh sensitivity in the voice range. Frequency response 300 to 5000 Hz .600 ohm impedance. Output - 73 db . Includes $4^{-1}$ flexible lead terminals. 1 mported, 2 ozs. 99F45270

Net 1.89

## B. MINIATURE CRYSTAL

This extremely sensitive and small crystal microphone may be used as a replacement in hearing aids and other small apparatus. May be used as a lapel microphone. Size Is 1 \% $0 . x^{3} /{ }^{\prime \prime}$ " deep. Imported. Shpg, wt., 2 ars.
99 F 45098
Net . 99
184 Lafayette Cat. No. 710
C. SUBMINIATURE CRYSTAL MICROPHONE

An extremely sensitive and small crystal microphone similar to the round types but for replacement use in hearing alds where a rectangular shape is required. Measures: $13 / 6 \times 1 \times 1 / 4$ " deep. Imported. Shpg. wt., 2 ozs 99 F 45189

Net 1.19

## D. 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 $2^{\text {" }}$, depth $1 / 2^{\prime \prime}$. Output - 52 db . Excellent frequency response. Imported, Shpg. wi., 3 ozs. 99 F 45130


A sensitive generz; purpose crystal micro. phone designed to attach to your lapel for situations requiring both mobility and the full use of both hands. Only $15 / \mathbf{a}^{\prime \prime}$ in diameter. Excellent frequency response. Output level - 55 db . Chrome plated case and clip for attaching to lapel. Includes 5 ft . shielded cable. Imported. Shpg. wt., 4 oz .
99 F 45106
Net 1.95
GENERAL PURPOSE MIKE

## 250

- May Be Hand-Held or SusA crystal microphone for use elther as a hand-held or as a breast mike. Sliver colored lavalier metal chain and holding bracket. Good frequency response with an output of - 53 db . Aluminum alloy case with black baked finish and silver screen. 6' cord. $2 \%$ o" $\mathrm{L} \times 13 / \mathrm{s}$ " max. diam.; convenient to hold. Shpg. Wt., $14 / 2 \mathrm{lbs}$. Imported. 99 F 45957


## LAFAYETTE MINIATURE AUDIO MIXERS


(A) Performs any mixing operation where 2 high impedance input channels are connected to a single, mixed high impedance input channel. Each input has its own level control. Momentary switch protects speaker while inserting into system. Shielded, chrome plated housing. Has 2 RCA-type fe male input jacks and an RCA-type male phono plug output. $23 / 4 \times 13 / 4 \times 7 / 8^{\prime \prime}$ overall. Imported. ShDg. wt., $1 / 4 \mathrm{lb}$
99 F 10134
Net 2.29
(B) Same as above except output is standard phone plug. $31 / 4 \times 13 / 6 x 11 /{ }^{\prime \prime}$ overall. Imported. Shpr. wt., 1/4 lb.
99 F 10142


2-input hi-Impedance mixers. Record sound-on-sound. Record music direct and dub your voice at the same time. Record from 2 mikes at once. Separate gain controls for each channel allow Fading. Shielded housing. Size: $21 / 6 \times 113 / 4 \times 11 / 0^{\prime \prime}$. Shpg. wt., 6025.

Type 310. Two 2 -cond phone jack inputs to 2 -cond, phone plug output.
24 F 88666
Net 5.88
Type 311. As above but has long output plug to fit recorders with recessed jacks.

## 24 F 88674

Net 5.88
Type 313. As above but with short Revere plugs and jacks for std. or short phone plugs. For all Revere/Wollensak recorders.
24 F 88518
Net 5.88
Type 320. Male mike connector Inputs and female mike connector output
24 F 88658
Net 5.88
Quality Microphones at Low Prices

(A) LAFAYETTE PROFESSIONAL, DYNAMIC

\author{

- Specially Designed for Transistorized Recorders
}

Recommended for all high quallty recorders and particularly solldstate units. Has a wide frequency response of $80 \cdot 15,000 \mathrm{~Hz}$ High impedance ( 10 K ohms) with an output of -65 db . Dle cast satin-black body with aluminum trim. Slim tapering design. May be hand-held, used on desk stand supplied or mounted in any $5 /$ /h" $^{\prime 2}-27$ stand. Black stand with aluminum trim. Mike is $51 / 2^{\prime \prime} \mathrm{ix} 1^{\prime \prime}$ dia, wit7 8 ft . attached cord and standard phone plug. Stand is $41 / 8 \times 2 \frac{1}{2} 2^{\prime \prime}$. imported. Shpg. wt. $11 / 4 \mathrm{lbs}$.
99 F 45882
Net 14.95

## (B) LAFAYETTE DELUXE DYNAMIC

For fine recording and general use, this slim beauly may be handheld, placed on its own desk stand, used as a lavalier mike or mounted on any standard $5 / 8^{\mathrm{m}}-27$ stand. Omnldirectlonal pattern glves wide coverage. Wide range response from 103 to $10,000 \mathrm{~Hz}$. Dual impedance: 50 K and 250 Ohms . Output - 64 dh All metal. Die case base and mike finished in handsome satin-chrome. 5 ft . cable. Mike only $37 / 9^{" L} \times 3 / 4^{\prime \prime}$ diam. Stand $35 / 9^{\prime \prime} \times 21 / 9^{\prime \prime}$ with stand, lavalier cord and bracket and stand adapter. Imported. Shpe. wt., 1 lb . 99 F 45924

Net 8.50


DYNAMIC MIKE Only $31 / 4^{\prime \prime}$ Long

- For Solid State Recorders

This is an excelient quality dynamic microphone which may be set on table or desk top or hand held. Impedance is 600 ohms and is tesigned for use with solld-state recorders requiring relatively low impedarce dynamic microphones. Used with many lafayette recorders. Size is $31 / 4 \mathrm{~L} \times 3 / 4 / \mathrm{D}$. Supplied with 5 ft . of cable terminating in standard phone plug. Imported. Shpg. wt., 8 ou 99 F 46302

Net 5.95


## (C) LAFAYETTE STANDARD DYNAMIC

An outatanding value, this featherweight dynamic microphone is attractively styled in a tapering design, and finished in handsomely contras*ing black with aluminum timm. It may be hand-held or used on the zmall desk stand supplied. The omni-directional pattern picks up sounds from all sides. Assures wide coverage. Impedance is 10,000 Jhms. Frequency Response $\$ 70$ to $9000 \mathrm{~Hz} \pm 7 \mathrm{db}$ and the output is -67 db . Has a bulit-In on-off switch. Comes complete with 6 ft . Cord with standard phone plus. Size: $61 / 4 \times 7 / \mathrm{s}^{\prime \prime}$ diam. Imported 99 F 46161 Shpg. wt., 1 lb.

Net 6.50
(D)

## LAFAYETTE VOICE-ACTUATED MICROPHONE

## - Also Operates As Remote Zontrol Dynamic Microphone

Allows e transistorized portable tape recorder. to start automatically when scund is picked up by the mizrophone and stop a few seconds after the sound stops. Designed for "ecorders having a "Remote" jack for remote Start/Stop switch equijped microphone. Has electroni. cally centrolled relay, 3 positior switch for voice Control.0ffRemote. Threshold sensitivity conteol adjustable for varying noise level locations. In "Remote" position, it operates as a dynamic microphane with remote control switch. Complete with cord, plugs, and instructions. With 9 g battery. Imported. Shpg. wt., 1 lb . 99 F 46847
99 F 602129 V Battery For Above

## LAFAYETTE REMOTE CONTROL

 CASSETTE MIKE

Remote control dynamic microphone for "able top or hand use. Impedancs is 200 ohms for cassette recordars requiring low impedance mikez. Response: 100 to $9,000 \mathrm{~Hz}$. Has on-off switch. Size: $4 L / 2 L x^{7} / a^{\prime \prime}$ dia. Nith 5 ft . cable terminating in dual miniature plugs for mike and remose conirol. Plugs ilt most cas. sette recorders. Complete with prop stanc. Imported. Shpg. wt., 502. 99 F 46344

Net 3.95
 This unusual microphone $g$ ves the utmost In versatility of tonal effects. Each of the 2 sensitlve magnetic pickups has 6 adjustable heads so you may vary the power of each Individual string. Each pickup has its own separate volume control. Combining these with the overall tone control, makes avallable an almost infinite adjustment of sound for eny requirement. Comes complete with 6 ft . removable cord with mike plug at one end and standard phone plug for amplifler at other. For $F$ hote guitars. Size: $101 / 2^{\prime \prime}$ long. With bracket and mount ng accessories. imported. Shpg. wt., $1 / 4 \mathrm{lb}$.


HARMONICA MICROPHONE CONTACT

This is a fine quality, sensitlve, crystal contact mic-ophone with a high outpul that is especiathy designed 10 it harmonicas. Installation is simple. It is sturdily buitt and measure: only $1 / / L^{5} 5 / 6 W x^{3 / 8}$ "D. Complete with 7 th. shielded cable. Importef. Shpg. wt. $120=$ 99 F $451 E 3$


For use with Spanish guitar, ukuleles or othes round hole instruments, Nagnetic pickup with 6 adfustable heads so vou may vary the power of each string. It ias separate tone and volume controls. 7 fi. cable with standard phone plug for musical amplifier. Finished in black and gleaming nickel. Sim. ple to mount, easily adjustable. imported. Shpe, wt., 1 lb .
99 F 46351
Net 5.95
MUSICAL CONTACT


Easily attacked to ali stringed instruments. Provides rict reproduction. Clamp stips under sounding bosrd cutout. With 8 ft . cable. $13 / 4$ " long. Imporzed. Shpg. Wt., $40 z$. 99 F 45767 vith volume control.... Net 1.89


## [C] CB base station CERAMIC MICROPHONE

For tube-type CB transcelvers. Efficient, attractive high impedance desk ceramic microphone. With convenient push-to-talk button plus lock-switch for prolonged transmission. 3 -conductors plus shield for normal relay or electronic switching. 3y/4x $53 / 4 \times 734^{\prime \prime}$. Imported. Shpg. wt., $21 / 2$ lbs. 99 F 46070 tess plug. ...........Net 10.95 Miniature Microphone Plug. For connection to Comstat 19, 23, 25, 25A, 25B, HB-444, A, and Comstat 23 Mark V. Mark VI. Imported. 99 F 62630

Net 1.49

## (D) BOOM MIKE/HEADSET

Frees hands for safe driving. Perfect answer to your CB and Ham moblle needs. For use with vOX or foot switch for transmit-receive changeover. Lightweight and comfortable wilth 8 -ohm earphone. Crystal mike for high output and full modulation. Boom and headband adjust to individual preterence. Mike mounted on swivel. Finished in chrome and two tone plastic. With 5 ff ., 4 -conductor cable. Imported. Shpg. wt., $3 / 4 \mathrm{ib}$.
99 F 25652 For lube transcelvers ... Net 5.98

## MAGNETIC


Commercial Mobile Radios
CB CRADLE HAND SET
 Ether clip to microphone for ready-to-use magnetic mike or attach to any steel surface and slip microphone in holder. Fits most microphones. Imported Wt., 3 oz . 99 F 45585

Net .79

## RCA STARMAKER MICROPHONES

Modernize your present fixed or mobile CB statlon with these telephone style handsets. Attaches to dashboard. side of unil or wall of fixed station. Switch in the cradie automatically disconnects the speaker when the handset is lifted. The microphone is acilvated by means of a push-bar, push-to-talk switch. Ideal for use in heavy traffic, loud background noise area, at home or in the office for privacy. Shpg. wt., 2 lbs.
For Solid State Transceivers
42 F 65039
Net 24.95
For Tube-Type Transceivers 42 F 65047

Net 24.95 Accessories for direct connection of handset to LAFAYETTE Solld State Transceivers HB-500, A, HB-555, HB-600, A, HB-525, A, B, C, D, NB-625, HE-20T, HB-23, Telsat 23, 50 , 150. Micro 12

99 F 62838 Mlcrophone Plug
Net .99 Speaker Plue for insertion into external phone/speaker jack.
99 F 62101
Net .25
Accessories for direct connection of handset to LAFAYETTE Tube-Type Transceivers LAFAYETIE Comstat $19,23,25,25 A, 25 B$, HB444, A and Comstat 23 Mark V. Mark VI. Imported.
99 F 62630 Microphone Plug Net 1.49 Speaker Plug for insertion into external phone/speaker jack.
99 F 62218
Net .30


Model HK-96. An excellent cardioid dynamic microphone for stage, recording or broadcast use. Dual Impedance 200 or 15,000 ohms; response: $50-15,000 \mathrm{~Hz}, 3$ position bass roll-off switch reduces rumble. Complete with windscreen, slip-on holder, 20 ft . shielded cable and attache case. Black and chrome finish. Size: $93 / 4 \times 1.6^{\prime \prime}$ diameter. Shog. wt., 2 lbs.
44 F 21004 No Money Down *
Net 37.00 Model MK-98. A ball-type, omnidirectional mike ideal for high quality music and voice applications. Dual impedance 200 or 15,000 ohms; response: $40-17,000 \mathrm{~Hz}$ with on-off switch. Black and satin chrome finish. Complete with windscreen, adjustable swivel mount, 20 . ft . shielded cable and attaché carrying case. Size: $71 / 2 \times 1.9^{\prime \prime}$ diameter.
44 F 21012 Shpg. wt., 1 y/2 lbs. Net 30.00

## (E] DELUXE ALL-METAL CB CERAMIC MICROPHONE

High output ceramic microphone with deluxe chrome plated metal case and 4 ft . colled cord. Fits snugly in the palm of the hand; resists abuse of tough mobile operating conditions. The 3 conductor plus shield colled cord is permanently attached for minimum wear. Hang-up button for mobile mounting. Wired for electronic switching. with instruction for conversion to relay switching. For tube-type CB equipment. Imported. Shpg. wt., 1 lb., less plug. 99 F 45627 Net 6.95 Miniature Microphone Plug. For connection to Comstat 19, 23, 25, 25A, 25B, HB.444, A, and Comstat 23 Mark V, Mark VI. Imported. 99 F 62630

Net 1.49

## F "MITY-MITE" CB CERAMIC MICROPHONE

Ceramic microphone expertly designed and professionally styled for real performance. Fits snugly in palm of hand for effortless operation. Features a "Long Life" ceramic element. Three conductors plus shield connected for electronic switching. Includes instruction sheet for conversion to relay swltching. For all high impedance input CB transceivers (tube type). High impact plastic case and 4 foot coiled cord. $1 \times 11 / 4 \times 31 / 4^{\prime \prime}$. 99 F 45791 Wt., 8 oz. Imported ... Net 4.95 Miniature Microphone Plug. For connection to Comstat 19, 23, 25, 25A, 25B, HB-444, A, and Comstat 23 Mark V, Mark VI. Imported. 99 F 62630

Net 1.49

## MICROPHONE MOUNTING CLIP

 Standard microphone mountling clip. Accommodates most stud mounting CB and Ham microphones. Attaches to metal case or dash board with 2 screws.dash board with
Shpg. wi., 2 oz.
99 F 31841
Net .50


No Money Down*
The AKG D-200E is a top-rated dynamic cardioid microphone ideal for the discriminating audlophile and semi-professional recordist. Smooth and wide-range frequency response results in crisp, clean effortless music and vocalist recordings. Highly directional, it has a low susceptibility to pop. Frequency response: $30-15,000 \mathrm{~Hz} \pm 3 \mathrm{db}$; impedance: 200 ohms; output: - 57 db . Comes with 15 ft. cable, stand adapter and carrying case Size $75 / 6 \times 15 / \mathbf{y}^{\prime \prime}$ diameter. Imported.
44 f 11054 Y Shpr. wt., $11 / 2 \mathrm{lbs}$. Net 69.00
Model D 200TS. Same as above but having high impedance, on-off switch and cable wlth standard phone plug. Wt., $1 \mathrm{lb}, 10 \mathrm{oz}$. 44 F 11070 No Money Down* ........Net 84.00

Attractive ceramic microphone with DPDT push-to-talk switch plus lock 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 hammertone finish with chrome trim. $73 / 4 \times 37 / 4 \times 51 / 4^{*}$ base. Shpg. wt., $21 / 2$ lbs.
44 F 70035

## MODEL 254 X

Crystal version with output of -48 db . 44 F 70100

## MODEL 454C

Single side band ceramic mike that is Ideal for hams. Output level of - 52 db . Frequency response $300-3000 \mathrm{~Hz}$. Push-to-talk front bar plus locking switch gives choice of PTI or continuous vox operation. For electronic or relay switching. Complete with coiled cord that exfends to 5 ft . Size $73 / 4 \mathrm{H} \times 5 \mathrm{y} \mathbf{4}^{\prime \prime}$ deep. Shpg. wt., 21/2 lbs.
44 F 70019
Net 21.60

## MOOEL 454X

Same as above but crystal with output of -48 db .
44 F 70043
Net 21.60

## SHURE MICROPHONES <br>  <br> MODEL 444T TRANSISTORIZED BASE STATION MICROPHONE <br> - 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. Output level vaflable from 2 to 45 mv . Press-to-talk control bar for locking or non-locking operation. Height adjustable from $9 K_{0}^{\prime \prime}$ to $11^{13} \mathrm{Ka}^{\prime \prime}$. Base $5^{11} \mathrm{sin}^{\prime \prime} \times 4^{\prime \prime}$. Four ft . colled cable. Battery Supplied.
44 F 75604 Shpg. wt., $21 / 8 \mathrm{lbs}$. ... Net 31.20 99 F 60212 feplacement battery . Net 21

## MODEL 575S "VERSADYNE"

Smooth response from $40-15,000 \mathrm{~Hz}$-rugged, Omnidirectional dynamic cartridge. Hish or low impedance models. Complete with switch, stand adapter and lavalier cord. For use in hand, on stand, or used as lavallier. Single cond. 7 ft . shielded cable. $47 / 4^{\prime \prime}$ Ig. $x$ $11 / 4$ " dia. Wt., 5 oz . High impedance model 44 F 75174 Less stand Net 15.00 MODEL 575S日 "VERSADYNE." Similar to above, but impedance: $150-250$ ohms.
44 F 75182
Net 13.20
TYPE S38B DESK STAND. Round black base for models 575 S and 575SB above. 44 F 75208 Shpg. wt., $11 / 4$ lbs.

Ideal for CB use. A rugged push-to-talk ceramic microphone wired for relay operation. Extra-tough 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. Shpg. wt., 1 ib.
44 『 70027
Net 9.00

## MOOEL 355C

Mobile ceramic microphone with handy grip. to-talk switch. Comfortable tw hald, com. fortable to use. Features an output level of -50 db . Frequency response $80-7000 \mathrm{~Hz}$. Tough plastic case. Complete with 5 ft . coiled cord. Shpg. wt., 1 lb.

Net 10.20 44 E 70050

## MODEL 866 CAROIO1O OYNAMIC

Cardioid dynamic type; high impedance. An excellent sounding mike for music and home recording. Minimum feedback. Response 100. $13,000 \mathrm{~Hz} .12 \mathrm{ft}$. cable and plog. With car. rying case. Shpg. wt., $21 / 2$ lbs. 44 F'70290

Net 24.00

"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 . colled cord. For sets with relay switching. 44 F 70183 Shpg. wt.. $11 / 2 \mathrm{lbs}$... Net 27.00 Same for electronic switching 44 F 70191

Net 27.00
Replacement 7 V . mercury battery for above
32 F 46824 Pkg. of 2
Net 2.54

cartrioge
$+3$

## Model "Plus-3" <br> Base Station Microphone

The "Plus. 3" ceramic microphone has a new transistorized pre-amp with volume control olus a new compression amplifier circuit which allows user to talk close or far from the mike without varying the output signal. This prevents mblke splat and sputter. Response: $300 \cdot 3000 \mathrm{~Hz}$. 3 conductor ( 1 shielded) colled cord. Jouch-to-talk front bar switch. ing with slide lock when desired. Wiring instructions for over 100 popular transcelvers. Shpg. wt., 4 lbs.
44 F 70316 No Money Down
Net $\mathbf{4 5 . 0 0}$
Replacement 9 V . Iong life battery for above 99 F 63729

Net .40

Ceramic for " +2 " and 360
44 F 70324 Snpg. wt., 302 . Net 6.00 Ceramic for "M $+2 / U^{\prime \prime}$ and "JM + $2 U^{\prime \prime}$
44 F 70332 shpg. wt., 3 oz. Net 6.00
Ceramic for 254C, 350C, etc. 44 F 70092 Shpr. wt., 4 oz.

Net 6.00

" +2 " BASE STATION MIKE increases signal strength and range! Frequency response of $300-3500 \mathrm{~Hz}$. Push-to-talk bar with locking switch permits normal PTT operation or VOX. Works with all sets-Relay or Electronic switching! 3 conductor, 1 shield blue coiled cord. Finished in blue and chrome. output impedance 5000 ohms, Battery included.
44 F 70167 Snpg. wt., $2^{3 / 4}$ lbs. ... Net 33.00 Replacement 9 V long life battery for above 99 F 63729

Net .40


## MODEL D. 104 MICROPHONE

Used extensively by radio amateurs for its high intelligitbility and "'punch." Responds with rising characteristics from $500 \cdot 4,000$ Hz . High output sealed crystal element. Output level - 46 db . Chrome finished mesh grille and body. With 5 .ft. cable and adapter to $5 / \mathbf{" g}^{\prime \prime}-27$ thread. Shpg. wt., $13 / 4 \mathrm{lbs}$.
44 F 14017 Less Stand
Net 18.60
MOOEL GD-104. Same as 0.104 except with grip-to-talk stand. SPST switch.
44 F 14025 Shpg. wt., $31 / 4 \mathrm{lbs}$. .. Net 30.72

[^12]
## MODEL UG8-0104

The $0-104$ microphone with the UG8 grip.totalk stand. Described below. DPDI switch. 44 F 14033 snpg. wt., $34 / 4 \mathrm{lbs}$. ... Net 33.72 MODEL UG8 STAND
Die cast, all metal with bar activated OPOT leaf-switch for either momentary or "lock. on." Two switch sections. Noise free, silver contacts rated up to $3 \mathrm{amp} D C, 8$ terminals for connections. $6 \mathrm{ft} ., 4$ conductor cable. Chrome and gray. $5 \frac{1}{2} 2^{\prime \prime}$ diam. $\times 81 / 4^{\prime \prime} \mathrm{H}$. Shpg. wt., $21 / 2$ lbs. 44 'F 14041

Net 17.97


NEW SHURE S4SSD "UNIDYNE III"
Slender dynamic unit with completely symmetrical unidirectional pattern. Performs in difficult applications without feedback and sound boom. Acclaimed for its 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 db ; Hi-Z. -55 db . Chrome, black, swivel adapter, 15 ft . 3 -cond. cable. $51 \mathrm{H}^{*} \times 13 / 4$ " dia. Shipg. wt., 3 lbs.
44 F 75984 No Money Down * .......Net 61.20
Model 545. As above, but, without "on-off" switch. Amphenol type connectors.
44 F 75059 No Money Down* Net 57.60 Model 545S. As above, but with swivel mount contained "on-off" switch.
44 F 75042 Net 61.20

## MODEL 58OSA "UNIDNYE A"

Low cost cardioid dynamic. Features rugged dynamic element bullt-dn On-Off switch and 15 -foot attached shlelded cable. High impedance. Response: 50 to $13,000 \mathrm{~Hz}$. Output, -56.5 db . Satin chrome case. Size: $6^{4 / 40} \times 174^{\prime \prime}$. Shpg. Wt., $21 / 2$ lbs.
44 F 75497 No Money Down ${ }^{\circ}$...... Net 42.00

## "UNIDYNE IV"

NEW MOOEL54850. This member of the Unidyne family of feedback-free unidirectional dynamic microphones offers remarkable ruggedness and performance features such as a new long-life magnetic reed "on-off" switch incorporated into the case, improved shock mounting; wind, pop and blast filters; broadcast-type Cannon XLR-3-11c connector; high flexibility cable, etc. Frequency: $40-15,000 \mathrm{~Hz}$. Dual (high and low) impedance with output of -55.5 db swivel impedance with output of - 55.5 ob, swivel
adapter chrome and black case, 15
2 -conductor detachable cable. 1 \% ${ }^{*}{ }^{D} \times 61 /{ }^{\circ} " L$.
44 F 75992 Shos. wt., $21 / 4$ lbs. ... Net 72.00 MODEL 549. Same as above but less "onoff" switch.
44 F 75653 No Money Down* ..... Net 69.00 MODEL 548S. Same as above but with swivel mount contained "on-off" switch.
44 F 75646


## "UNISPHERE I"

NEW MOOEL 565SD. Deluxe ball-type popproof 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 . Re. sDonse: $50-15,000 \mathrm{~Hz}$. With swlvel adapter and 15 ft . 3 cond. detachable cable, with Cannon xLB. 3-11c type connector. Size: $61 / \mathrm{y}^{\prime \prime} \mathrm{L} \times 2^{\prime \prime} \mathrm{D}$.
44 F 76008 Shpg. wt., 3 lbs.
Net 67.80 MODEL 565. Same as above but without "on off" switch. Amphenol type connectors. 44 F 75547 No Money Down* $\qquad$ Net 64.80 MODEL 565S. Same as above but with swivel mount contained "on-off" switch.
44 F 75620

## "UNISPHERE 8"

MDDEL SA8SA. A dynamic unidirectlonal microphone with popular ball-type styling. Features feedback-free cardioid pickup pattern, shock-mounted cartridge, wind, pop and blast filters, lockable "On.Off" switch and a broadcast-type cannon connector with 15' detachable cable. Includes swivel stand adap. ter. Response: $50 \cdot 13,000 \mathrm{~Hz}$. High imp. Output: -58 db . Satin chrome housing, $61 / 2 \times$ 2 dia. Shpg. wt. 2 lbs.

Net 39.00 MODEL 5assac. Same as above but with prewired plug end assembly for use as MCIF, MCIM, or phone plug.
44 F 75885 No Money Down* __ Net 40.20 MODEL 588SB. Same as 5885A above, but low impedance. Output: $-59.5 \mathrm{db} .15^{\circ}$ twoconductor cable.
44 F 75901 No Money Down* _...... Net 39.00

## "UNIDNYE B"

MODEL 515SA. Very low priced unidrectionai dynamic microphone with a highly effective cardioid pickup pattern which solves feed back and boominess. Ideal for low budget sound systems. Frequency: $80-13,000 \mathrm{~Hz}$. High impedance with output of - 58 db . Has on-off switch and swivel adapter. 15 ft . single conductor non.detachable cable. Chrome and black case. Size: $11 / 2 \mathrm{D} \times 6^{1 / 6} 6^{\prime \prime \mathrm{L}}$. Shpg. wt., 2 lbs.
44F75661 $\quad$ MODEL $515 S A C$. Same but with 27.00
44 F 75661 Not 27.00 plug-end assembly for use as MC1F, MC1M. or phone plug
44 F 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 buitt-in "on-off" push-to-talk switch which controls microphone and relay circuit. 51" cable. Size: $11 / 2 \times$ $25^{\prime \prime}$
44 F 76016 Shpg. wt., 3 lbs.
Net 31.80

## 55SW "UNIDYNE II"

A dependable rugged dynamic microphone for deluxe sound systems 50 to $15,000 \mathrm{~Hz}$ response. Unidirectional pickud prevents feedback. Three-way Impedance switch. Output lèvels: 35.50 ohms. -55 db ; 150.250 ohms, 56 db ; $\mathrm{h} . \mathrm{Z}_{\mathrm{l}}-55 \mathrm{db}$. Complete with on-off switch, swivel mount. 15 ft ., cable. $73 \mathrm{~m} \times 2 \%, \times 31 / \mathrm{ol}^{\prime \prime}$. Wt. $37 / \mathrm{lbs}$. 44 F 75018 No Money Down. $\qquad$ MODEL 55S. Same as above, without on-off swltch. Shpg. wi., $33 / 4 \mathrm{lbs}$.
44 F 75026 No Money Down* $\qquad$ Net 57.00

## "UNISPHERE A"

MODEL 585SA. Rugged dynamic unidirec. tlonal "pop":proof unit with wire-mesh spherical screen. Feedback free. 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: $63 / 4 \times 11 / 0^{\prime \prime}$ diam. 2 lbs.
44 F 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 F 75687 No Money Down *...... Net 46.20
MODEL 585 SB . Same as 585SA except low Impedance, output -59 db and 2 conductor cable.
44 F 75539 No Money Down * ....... Net 45.00 MODEL $5855 A V$. Similar to 585SA but instead of on-off switch has builitin volume control to change loudness without adjusting ampli. fier controls. Shpg. wt., 2 lbs.
44 F 75612 No Money Down *.... Net 49.80 MDDEL 5B5SAYC. Same as above but with plug end assembly like 585 SAC.
44 F 75695 No Money Down*
Net 51.00

## "VOCAL SPHERE"

MODEL 579SB. Omnidirectional dynamic microphone with natural and Intelligible voice reproduction. Ideal choice for public-address, eittertaining, recording, etc. Extremely rug. ged. Has bulit-in wind and breath noise filters. Lockable "On.0f ${ }^{2}$ " switch and a broadcast-type Cannon connector with $20^{\circ}$ two conductor detachable cable. Includes swivel stand adapter. $50-15,000 \mathrm{~Hz}$ frequency response. Low impedance. Output: - 59 db . Satin chrome and gray housing. $63 / 8 \times 1 \%$ " diameter.
44 F 75919 Wt., 2 lbs.

## "SPHER-O-DYNE"

MODEL 533SA. Omnidirectional dynamic probe type. Ideal for entertalners, lectur. ers. Spherical front with built-in wind, breath and "Dop" 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. $61 \%, " \times 2 \%{ }^{\prime \prime}$ dia. 2 lbs.
44 F 75554 No Money Down *....... Net 34.20 MDOEL 533SAC. Same but with prewired plug assembly which can be used as MCIF, MCIM or phone plug.
44 f 75711 No Money Down*
Net 35.40
MOOEL 533SAVC. Same as 533SAV above but volume control to regulate amplifier output at microphone.
44 F 75935 No Money Down*_Net 39.00 MODEL 533SAV. Same as 533SAV above but with plug assembly like 5335AC
44 F 75943 No Money Down*_Net 40.20

## 540S "SONODYNE II"

Modern design all-directional microphone. Fine for recording applications and sound systems. Has on-off switch. Adjustable response: $50-13,000 \mathrm{~Hz}$ for music. $400 \cdot 6,000$ Hz for speech. Dual impedance: $\mathbf{5 0 - 2 5 0}$ ohms ano high impedance, Outputs: $\mathrm{Mi} \cdot \mathrm{Z}$. -55 db ; Low-2, -56 db . Chrome and black. Swivel mount; $5 / 8^{\prime \prime}-27$ thread. 15 ft. 2 -cond. cable $15 / 4 \times 11 / 10^{\prime \prime}$. Shpg. wt., $21 / 4 \mathrm{lbs}$. 44 F 75166

Net 33.60

# ElectroVoric:Popular Microphones 



## 664 "VARIABLE D" CARDIOID DYNAMIC

A cardioid Variable D" (variable distance) microphone designed for top quality PA applications. Cardioid pattern provides a signiflcant front-to-back signal ratio to suppress noise, reverberations and feedback. Allows close talking without booming bass. air blasts or distortion. Non-metallic diaphragm is shielded against dust and magnetic particles. Resistant to extreme conditions of humidity, temperature and vibration. Response 60 $15,000 \mathrm{~Hz}$.'Output level-58db. High impedance easily lowered to 150 ohms without tools, Standard $5 /$ ac" $^{-27}$ thread. Satin chrome finIshed die-cast case, with ON-OFF switch and 15 ft .2 conductor shielded cable. $17 / \mathrm{s}^{\prime \prime}$ dia. $71 / 4^{\prime \prime}$ long. Shpg, wt., $31 / 4 \mathrm{lbs}$. 44 F 25328 No Money Down 664 G -Same as above but gold finish. 44 F 25336 No Money Down* Net 56.70 664A-Same as above but non-reflectiog gray finish.
44 \& 25351 No Money Down ${ }^{*}$......Net 53.40
644 "SOUND SPOT" UNI-DIRECTIONAL LINE MICROPHONE
A combination cardiold and distributed front opening makes thls the most directional mi. crophone 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 re. sponse from 40 to $10,000 \mathrm{~Hz}$, high output53 db .. dual high and low impedance selective. Rear diameter 2\%"", length $16^{\prime \prime}$. Cable is 16 ft . Shpg. wt., 3 lbs.
44 F 25476 No Money Down *

676 CONTINUOUSLY "VARIABLE-D"

## CARDIOID DYNAMIC

Radically new deslgn brings professional quality to public address, recording, communications and other general purpose applications. Continuously- "Varlable.D"principle assures uniform, symmetrical cardioid pattern at all frequencies. Response 60 to $15,000 \mathrm{~Hz}$. Highest discriminatlon against feedback and unwanted sound. Exclusive 3 . position switch offers controlled low-frequescy attenuation to overcome rumble and feecback when microphone is used at a distance. Slim design-fuli vlew of speaker. Use hand-held or with stand clamp supplied. Rugged diecast case. Acoustalloy diaphragm. 150 ohms or $\mathrm{Hi}-\mathrm{Z}$; impedance changed by new connector (no tools required). Output - 57 db . Satin chrome finish. $16^{\prime}$ cable. Size: $73 / 9^{\prime \prime}$ long $x 11 / 4 "$ dia. Shpg. wt., $21 / 2$ Ibs. 44 F 25229 No Monev Down* Net 57.00

## 674 CONTINUOUSLY"VARIABLE 0 " (B)

 CARDIOID MICROPHONEThis professional microphone has the exact specifications and all of the features of Model 676 microphone above, except that it has an on-olf switch and integral stand mounting stud instead of stand clamp adapter. Shpg. wt., $27 / 4$ lbs.
44 F 25724 No Money Down*
Net 57.00

## TYPE 502B MATCHING

Matches 150 ohm to $\mathrm{Hi} Z$ amplifier. Input $30 \cdot 20,000 \mathrm{~Hz} \pm 1 \mathrm{db}$. Size $32 \mathrm{~s}_{2} \times 1^{+1} \mathrm{dia}$. Shpg. wt., $3 / \mathrm{lb}$.
44 F 25666
Net 10.50


## 636 "SLIMAIR" DYNAMIC

Slim omni-directional mike for PA or recording. Acoustalloy diaphragm. Output level -58 db . Response $60-13,000 \mathrm{~Hz}$. Selection of $\mathrm{HI} Z$ or 150 ohm impedance made at plug. On .off switch; satin chrome finish. Swivels $90^{\circ}$ on base, tapped for $5 / 8^{\prime \prime}-27$ stand. 16 ft . cable. $14 \mathrm{~s}^{-\quad ~ d i a ., ~} 101 / 4{ }^{*}$ long. Shpg. Wt., $23 / 4 \mathrm{lbs}$.
44 F 25161 No Money Down - Net 48.60

## 641 DYNAMIC

High output ievel, high impedance, Ideal for paging, recording, P.A., etc. Integral on-off switch. Freq. $70-10,000 \mathrm{~Hz}$. Output -57 db . With 15 ft . cable, standard $5 / 8^{\prime \prime}-27$ stand connector. Case is die-cast chrome with gray hi-lmpact plastc. $41 / 2 \times 13 / 4^{*}$ dia. Shpg. Wt. $21 / 4 \mathrm{lbs}$. 44 F 25575

Net 26.40

## 631 HAND AND STAND DYNAMIC

High quality entertainers microphone. Omnidirectional. Lightweight, rugged, shockproof. Elfective 4-stage filter allows closeup use without blasting, pops, or distorilon. Silent magnetic on-ofl switch with removable actu. ator button. Satin chrome case. Frequency Respanse: $80 \cdot 13,000 \mathrm{~Hz}$. Output: -55 db . 16 it. cable. With stand clamp. Size: 6 ' $L$ $13 /{ }^{\prime \prime}$ head dia. $1 / 4$ "* shank dia. Shpe. wt., 2 lbs.
44 F 25732 Hi Impedance........ . Net 36.00 44 F 25740 Lo Impedance .............Nel 36.00

## 647A LAVALIER DYNAMIC

Tiny size with big performance $70-10,000$ Hz. High impedance. Output leved, - 60 db . 18 ft . cable. Complete with neck cord. Size: $334^{\prime \prime} \times 34^{4}$ " Dia. Shog. wt., $11 / 2 \mathrm{los}$. 44 F 25195 No Money Down ${ }^{\circ}$.... Net 54.00

## 627A ENTERTAINER'S DYNAMIC

"Single-D'* cardiod microphone ideal for vocalists and other close to mouth applications. Low frequency response is accentuated as working distance is reduced. Lightweight ( 8 oz.), rugged construction with buitt-in pop and dust filter. Response: 6013.000 Hz . Output: - 58 db . High impedance. With 15 ft . cable and stand adapter. Size: $6^{\prime \prime}$ long $x 11 / 2^{n}$ head dia. Shpg. wt., $11 / 2$ lbs. 44 F 25773 No Money Down* ..... Net 36.00

## 635A BROADCAST DYNAMIC

A popular design microphone. Omni-directional olck up pattern perfect for use by entertainers and vocalists. For desk or floor stand or hand held use. The rugged steel case is finished in matte satln chrome, lightweight. slim and attractively styled. A stage pop and dust filter eliminates need for external wind screen. Response: $80-13,000$ Hz (rising), output -55 db . low impedance. Supplied with 18' 2 cond. cable. Conventent microphone size: $6^{\prime \prime \prime}$ long $\times 13 /{ }^{\prime \prime}$ diameter at head. Shpg. wt. 3 lbs.
44 F 25591 No Money Down * ...... Nat 52.80

## SHURE IN-LINE MICROPHONE ATTENUATORS, EQUALIZERS, ADAPTERS, TRANSFORMERS

Inputs are female Cannon XL type; outputs are male Cannon XL type.
Model A15A Microphone Attenuator. Provides 15 db attenuation ( 150 ohms).
44 F 76024 Shpg. wt., 1 lb.
Net 15.00 Model A15PR Phase Reverser. Reverses phase of any balanced line. 44 F 76032 Shpr. wt. 1 lb. Net 15.00 Model $A 15 \mathrm{HP}$ Wigh Pass Filter. Reduces low frequency noise.
44 F 76040 shpg. wt.. $1 \mathrm{lb} . \quad$ Net 15.00 Model A15LP Low Pass Filter. Reduces high frequency noise.
44 F 26057 Shpg. wt., $1 \mathrm{lb} . \ldots . . . \quad$ Net 15.00 Model A15PA Presence Adapter. Increases presence range of low impedance micro. phones.
44 F 76065 Shpg, wt., 1 tb.........Net 15.00 Model A15RS Respónse Shaper. Reduces sibilance sounds.
44 F 76073 Shpg, wt., $1 \mathrm{lb} . \quad$ Net 15.00 Model A15La Line Input Adapter. Converts low impedance microphone input to hikh $Z$ (or 600 ohms) line output.
44 F 76081 Shpg. wt., 1 ib.
Net 15.00

## LINE TRANSFORMERS

For connecting low impedance mikes to high impedance amplifiers. Preserves high frequencies anc cuts hum pickup in long lines. Bulit-in MCIF and male Cannon type connectors. Type A95A.
44 F 75414 Shpg. wt., 1402. ...... Net 12.60 Model Agsf Transformer. Same as Model A95A except input is female Cannon type. 44 F 76099 Shpg. wt., 9 oz. .......Net 14.40 Type A95P Same as above but with phione plug output.
44 F 75968 Shipg. wi., 11 oz. Net 13.80 Model A95FF Transformer. Same as Model A95P above except input is female Cannon
type. 76107 Shpg. wt.. 10 oz.
Net 15.60

Microphone Stands - Booms - Connectors

Model MS.10C Full Grip Mike Stand. Economical mike stand featuring "Full-Grip" clutch mechanism for last qulet adjustments without slipping and wear. Functionally designed base assures maximum stability and includes self-leveling, shock-absorbing pads plus 3 "anti-tip" points. Full chrome plated tube assembly. Teiminates in a $5 / s^{* *}-27$ thread. Base dla, $10^{\prime \prime}$, finished In gray shrivel. Height ad). 35 to 63". Shpg. wt., $113 / 4 \mathrm{lbs}$

## 44 F lo031W

Net 8.67
Model MS-12C. As above but heavler and tube extends to $62^{\prime \prime}$ 44 F 10049 Shpg. wt. 12 lbs

Net 9.17
Model MS-1lC. As above but with full chrome finished base. 4.4 F 10056 Shpy. wi., 12 lts

Net 11.16
MODEL CS-52. Handsome, slim, low profile 15" gray base with chronre tube. Height adjusts from 34 to $62^{\prime \prime}$. Shpg. wt., 10 lbs.

## 44 F 10312

Net 9.84
Model MS-12S "Sleeve Action" Mlke Stand. New mike stand featuring a fully automatic means of height adjustment. To lower the stand, Just press on the "Sleeve Action" control. To raise the stand, any polnt on the tube can be grasped. Qulet and smooth action. Ht. 39 to $62^{\prime \prime} .10^{\prime \prime}$ dla. gray base, shrome tube. 5/6". 27 thread.
44 F 10064 Shpg. wt., 12 tbs.
Net 17.84
Model CS. 32 Demountable Stand. Revolutionary in design, this mike stand is fully collapsible to fit in ampliffer or speaker-carrying case. No tools needed. Self-leveling legs are skid-proof. Features "FullGrip" and "Velvet Action." Adjusiable from 36 to 64 in. Fully chrome plated. 5/0". 27 thread. Shpg. wt., $51 / 4$ lbs.
44 F 10072 Net 10.34
Model CS-33. As above but with ht. adj. of 26-64". Collapses to $221 / 2^{\prime \prime}$. Shpg. $w 1 ., 43 / 4 \mathrm{lbs}$.
44 F 10080
Net 12.09

MS-25-Professional stand, featuring "Salety Air Lock Cushion. Prevents accidental slippage of telescoping sectlon, smoothly lowers on cushion of air. Grey and chrome base. Ht adj. From $38^{\prime \prime}$ to $67^{\prime \prime}$ Oversize chrome tubing with $5 / a^{[\prime-}-27$ adapter. Shpg. wt., $281 / 4 \mathrm{lbs}$. 44 F 10288

Net 22.67
DS-14-Coniemporary motlf desk stand. Suils elongated, slim mikes. Gun metal, shrivel base with protective felt pads. $3^{\prime \prime}$ polished chrome upright tube with "治" -27 thread. Shpg. wt., $13 / 4$ lbs.
44 F 10296
Net 3.50
Model DS-5. "Velvet Actlon" Desk Stand. Same quality as floor models. Base dia. $6^{\prime \prime}$. Gun metal shrivel finish. Fixed ht. $4^{\prime \prime}$. 44 F 10098 Shpg. wi, $23 / 4$ los. 2,84 Model OS.7. Like DS-5 but with ht. adj. 8 to $13^{\circ}$. Shpg. wt., 3 tbs. 44 F 10106

Net 4.59
Model TS-8. Adjustable Stand. A decorative and fine appearing stand, sultable for use on a banquet table. Features quiet "Full Grip, Velvet Action" control. Adjustable from $141 / 2^{\prime \prime}$ to $26^{\prime \prime}$. Base dianieter $8^{\prime \prime}$. Fully chrome-finished base and tube assembly. Shpg. wt., $53 / 4 \mathrm{fbs}$ 44 F 10114 Net 8.51 Model BS-36. Professional boom stand. Has removable $62^{\prime \prime}$ boom with gyromatic swlvel jolnt to keep mike positioned. "Safety Air-Lock Cushion" eliminates slippage. Super-chromed tubes adjust 48" to $72^{*}$ Chrome and gun metal base. Shpp. wt.. 33 lbs.
44 F 10122WX No Money Down
Net 55.83
Model BS-36W. Same as above but with swivel casters. Wt., $36 \mathrm{l} / \mathrm{l}$ lbs. 44 F 10338WX No Money Down* Net 63.33 Model B8-1. "Baby Boom" Attachment. Use with any mike stand. 32" long. 5ra".27 thread, Chrome plated. All swluel parts are precision die castings. Shpg, wt., $31 / 2 \mathrm{lbs}$. 44 F 10130

Net 6.92
PORTO-STAND - All-In-One Microphone Stand-Baby Boom-Cable Hanger-2 Lock-On Connectors and Carrying Case

- No Need to Disassemble for Carrying Or for Storage Professional portable microphone stand-boom combination ellminates time and trouble involved in assembling and disasssembling. Once assembled, 2 lock on connectors provide instant detachment of boom and microphone from stand. Complete stand and $31^{\prime \prime}$ baby boom IIt into the rugged black vinyl carrying case. Stand has fully chromed tube section with a "full grip" clutch assembly for quick, silent height adjustments without slipping. Height range is $34^{\prime \prime} .62^{\prime \prime}$. Tip-proof $10^{\prime \prime}-12 \mathrm{lb}$. base assures excellent stability, Shpg. w1., 20 lbs. 44 f 10429 W
Mike Flanges And Extenslon Rods, For neat and permanent mountling. fits 5/8". 27 mikes. Base dia.. $11 / 4^{" 1} .3$ mounting holes with $7 / s^{\prime \prime}$ mounting centers. Extension rods, male on both ends. Av. shpg. wt., 4 ozs
44 \& 10155 AD-12 Male Flange 44 F 10163 AD-11 Female Flange 44 F 10171 AD-8 6" Ext. Rod Net 86 Net 80 Mke Adapters. For adapling special fittings. WI $20 z$ $A D-1 \quad 3 / a^{\prime \prime}-27$ lemate to $1 / 2^{\prime \prime}$ male thread (RCA)

Model 1. Versatile mike stand with an extremely flexible arm, providing wide range of adjustment. Swings out $36^{\prime \prime}$ in any direction. Ideal for use in radio broadcast or recording studios, offices, alrport, switchboard, theatres, night clubs, schools, hotels. Handles any mike up to 4 lbs. in weight. Clamps or screws to any horizontal or angular surface up to $3^{\prime \prime}$ thick. Shpg. wi., 53/4 lbs.
44 F 10148
Net 14.95

## FLEXIBLE GOOSE NECKS

Model GN- 13 Goose Neck, $13^{\prime \prime}$ long for complete adjustment of mike $5 / 8$ "-27 thread. Chrome finish. Shpg. wt., 10 or. 44 F 10262

Net 2.25
Model GN-19. As GN-13 but 19" long. Shpg. wi. $11 / 4 \mathrm{lbs}$ 44 F 10270

Net 3.17

44 F 10189

44 F 10197
AD-4 $3 / 4$ " long ${ }^{*}$ " 27 male running thread 44 F 10213

Net .so
Net .57
$A D \cdot 5$ "ra" 27 female to $5 / \mathrm{B}^{\prime \prime}-27$ female coupling 44 F 10221

Net . 47 Net .63 odel SWromatic Swivel, Permits any mike to be ocked at any angle. "/4e"-27 thread. $41 / 2$ " long. 44 F 10247

Net 4.17
Model S0-1 "Snap.On"* Mike Altachment. Quick and safe. For all mikes and stands. Two "Snap.On" sections.
44 F 10254
Net 2.51
Model LO.2 "Lock-On" for quick disconnect of mike from stand. Positlve lock when on stand, pushbutton release. 44 F 10023

## ATLAS MICROPHONE

 ACCESSORIES

# LaFAYETTE Wireless Intercoms - Plug Into AC Outtets 

2-Stations For Only<br>$19^{95}$

- Portable-Move From Room to Room or Between Houses-No wiring
- Push-to-Talk Button-Lock Button

A highly efficient wirefess 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 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: $37 / 8 \mathrm{~W} \times 51 / 2 \mathrm{D} \times 134^{*} \mathrm{H}$. Imported. for $110 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg wt. 3 lbs.

Net 19.95


- No Installation Required Just Plug in and Taik


## Quality Solid State Wireless Intercom System



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 circult means no warm-up time. Each unit is a "Master" with a volume/On-Off control. Push-1o-Talk Bar with a "lock-bar" feature for continuous talking, and a pilot light. 2-tone gray-colored plastic case has rubber-tipped base that will not scratch furniture. Overall size $6 \frac{1}{2 \prime \prime}$ $\times 5^{\prime \prime} \times 2 \frac{1}{2} 2^{\prime \prime} \mathrm{H}$. For $110-120 \mathrm{~V} 60 \mathrm{~Hz}$. AC. Imported. Shpg. wto, $41 / 4 \mathrm{lbs}$. $\mathbf{9 9}$ f 45734 M 2-Station Intercom System .................. 27.9 Extra Station. Imported. Shpg. wt., 2 lbs.

Net ea. 14.95
 99 F 45726

## Deluxe Multi-Channel Solid State Wireless Intercom Systems

- For Up to 3 Simultaneous But Independent Communications Using Separate Channels
- Each Station A "Master" - Use As Many As Needed

Our finest and most versatile wireless intercom systems. Your choice of either deluxe 2 or 3 station systems. No wiring to install, plug into AC outlets on the same electric line between offices, rooms, and even between buildings. 3 channel design permits using up to 3 simultaneous but independent communications using separate channels. Units operating on channel 1 wlll not interfere with units operating on channel 2 or 3. Since each unit is a master, any number of stations can be set up to form a superdeluxe wireless intercom system. Controls: Press-to-talk bar with "lock-talk" feature for continuous monitoring, channel $1-2-3$ selector. Powerful solid-state circuit provides instant-on operation and includes squelch for noise free operation, transformer power supply and pllot light. Handsome high impact plastic case. 5 Transistors, 3 diodes, 1 silicon rectifier, 1 thermistor. Size each station: $5 \times 61 / 4 \times 3^{\prime \prime}$ for 117 VAC 60 Hz . Imported.

Stock No. Type of System Wt. Lbs. Net | 99 F 46237 M | 2 Station System | $431 / 4$ | 39.95 |
| :--- | :--- | :--- | :--- | 99 F $46153 \mathrm{M} \quad 3$ Station System $71 / 4 \quad$ '59.95 ADDITIONAL SINELE STATIONS. W1., $21 / 2 \mathrm{lbs}$. 99 F 46104

## LAFAYETTE'S Best-Selling Wired Intercom Systems

## DELUXE LAFAYETTE SOLID STATE 6 STATION INTERMIX INTERCOM SYSTEM

## 3 Super Selective Systems: <br> Master to Master <br> Master to Remote <br> Intermixed Master and Remote <br> XL-6 MASTER $29^{95}$



- Balanced Input and Output to Virtually Eliminate Annoying Noise Interference

Designed to fulfilf virtually every office. industrial, commercial or home intercom need. Lafayette's deluxe new 6 station intermix system provides complete fiezibility and versatility with 3 separate types of installations: (1) MASTER TO MASJER HOOKUP: All Master Intercom System incorporates up to 6 separate master stations enabling 3 private conversations or 6 station conferences to be held. Master can initiate calls to any otheg Master. (2) MASTER TO REMOTE HOOKUP: Enables 1 Master station to communicate with up to 5 remotes either separately or in a six station conference. Remote can be hooked-up private or non private. Remotes can initiate call back to Master, but cannot talh directly to other remotes. (3) INFERMIX SYSTEM USING UP TO 12 MASIERS AND REMOTES: The number of units in this system may be as high as 12 depending on how many masters are used. For example if 3 Masters are used, each Master has 3 of its selector switches available to call 3 remotes, thus giving a total of 3 Masters and 9 remotes or 12 units in the system. The maximum number of remotes associated with any 1 Master is 6 minus the number of Masters in the system. The Lafayette XL-6 intercom utllizes powerful advanced solid state cir-

R-6 REMOTE $11^{95}$

cuitry for "instant on" operation. Incorporates a balanced 40 ohm Input and output circuit design. The advantages of this type of design is that the entire system when operating is virtually not susceptible to noise interterence. Master unit has 5 individual station selector slide switches, 2 position press to talk-lalh/Lock bar, and volume control. Remote unit has 2 position press to talltalk/lock bar. Handsome walnut wood cabinet with brushed aluminum finish. Includes function bor for wiring.
WIRING INSTRUCTIONS: in a balanced input and output system both Master to Master or Master to Remote hook-ups use separate 4 conductor unshielded pairs for earh master or remote used in the system. Dim.: Master \& Remote $71 / s^{\prime \prime} \mathrm{L} \times 21 / 4^{m H} \times 43 / 4^{\circ} \mathrm{D}$. For 117 VaC , 60 Hz. Imported.
99 F 46112 Model XL-6 Master. Shpg. wt., 4 Ibs
Net 29.95
99 F 46120 Model R-6 Remote. Shpg. wt., $21 / 4$ lbs.
Net ea. 11.95
100 F. SPOOL OF CABLE FOR ABOVE STSTEM
Beldon 8741 - unshielded 4 conductor, vinyl insulated wire. 32 F 15787

## LAFAYETTE 4-STATION SOLID-STATE INTERCOM SYSTEM

## LAFAYETTE SOLID STATE 2 STATION INTERCOM SYSTEM

- Inter-Unit Tone Calling
- Beautifully Styled
- Simple Plug-in Connecting Cord

Battery operated solid-state 2 -station intercom system. Especlally useful where AC outlets are not readily avaliable. Complete system includes 1 Master unit, 1 -hemote unit, and $70^{\circ}$ of interconnecting cable with molded plugs for easy installation. Master unit features on/off/Volume control plus a Listen/Taik switch. "Beep" tone signaling from either Master or remote operates even when Master Is "Off". Has simple provision for stationary wall mounting, or, can be conveniently placed on desk top. 9 -volt battery included. Size: $2 \mathrm{Hx} 31 / 2 \mathrm{~W} \times 5^{\prime \prime} \mathrm{D}$. Shpg. wt., 1 1/2 lbs.
99 F 46245 2-station system
Net 1.95
99 F 60212 Extra 9-Volt Battery
Net 21

# Deluxe LAFAYETTE 10-Station Selective Ring Selective Talk Private Telephone Intercom System 

## Up to 5 Separate Simultaneous Conversations



Completely private 10 station ultra-selective intercom system. Unit is styled like regular telephone, complete with coiled cord and junction box. Its functional design permits position. ing on desk or hanging from the wall. No need to waste time dialling, simply set pointer to desired station, push ring button and speak. Interruptions or listening in by other stations is impossible. Handles up to 5 stmultaneous conversations. Conference calls are available by one station calling another untll all are on the line. Frees your regular telephone lines for outside calls. Power for all units in the system is obtained from a central location, either from a battery source or the AC power adapter listed below. Low power consumption on either AC or DC: 100 ma calling, 25 ma talking. Finished in beige plastic. Imported.
99 F 4560110 Station Latayette phone. Shpg. wt., 41/4 lbs.
99 F 45619 AC Power Supply for system
32 F $4868911 / 2$ V Battery for OC operation - 6 required Shps wt $21 / 2 \mathrm{lbs}$

> WIRING INSTRUCTIONS

The total number of unshielded conductors common to each phone is 2 more than the total number of phones in the system.
32 F 14988100 ft . Iength. Belden 8456, 10 cand unshielded Shpg. wt. $61 / 2 \mathrm{lbs}$. Net 10.80
32 F 14970100 ft . length. Belden 8457, 12 cond. unshielded Shpg. wt., 7 lbs.


In the above 10 -station system, up to 5 separate conversations can be held simultaneously - or any staton may converse with any other station.

## Bogen Telephone Intercom Systems



## WIRE REQUIREMENTS FOR BOGEN PHONES

Use 3 more unshielded conductors than the total number of phones in the system. Those listed below may be used between phones. 32 F 145253 conductor unshielded per $100^{\prime}$ Shpe. Wrt. 2 lbs. 3.66 32 F 145829 conductor unshlelded per $100^{\prime}$ Shpg, wt. $61 / 2 \mathrm{lbs} .10 .95$ 32 F 1497012 conductor unshielded per $100^{\prime}$ Shpg. wt. 7 lbs. 12.15 32 F 1495425 conductor unshielded per $100^{\prime}$ Shpg. wt. 12 lbs. 31.50 Connect PRS-16 or PRS-1A power supplles to any junction box with a short 3 conductor cable.

## (a) TQ SERIES-SELECTIVE RING-COMMON TALK

Allows only one conversation at a time. "Conference" feature lets you talk to as many stations at once as there are receivers in the system. Two separate models are available-to handle up to 6 or 12 stations. Each phone is furnished with a snarl-proof 4 .ft. handset coil, and a 6 -ft. master cable with junction box for simple and easy wiring. For desk or wall mounting. Phones are housed in impact resistant beige plastic. Each TQ system requires a PRS.1A Power Supply ( 117 VAC, 60 cycle). Shpg. wt., 4 lbs. per unit. 44 F 12045 TG6A 6-Station Phone less wire Net ea. 29.05

44 F 12052 TO-12A 12-Station Phone less wire
Net ea. 32.65
PRS.IA Power Supply ( 1 req. per system) Shpg. wt. $21 / 2 \mathrm{lbs}$.
44 F 12960 Net ea. 25.00

## (B) TSL SERIES-SELECTIVE RING-SELECTIVE TALK

Bogen TSL Phones will permit you to reach other Individuals in their offices without depending upon an overburdened telephone switchboard. $100 \%$ trunkage permits as many as 8 separate conversations to take place at the same time with model TSL.16, and 4 separate conversations with the Model TSL.ع. 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 beige plastic. One PRS-16 Power Supply required to power each system. Shpg. wt., 5 lbs. 44 F 12011 ISL. 8 station phone. less wire
44 F 12029 TSL. 16 16-station phone, less wire .......Net 48.25
PRS-16 Power Supply (1 req. per system) Shpg. wt., 3 lbs. 44 F 12037 No Money Down*

Nel 41.55

## BOGEN IE SERIES SOLID-STATE 7 AND 13 STATION INTERCOMS



ALL MASTER SYSTEM: Consists of a Multiple-Conversation Intercom system using up to 7 IE-7 masters or up to 13 IE-13 masters. Any master can call one or more statlons. 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.
SIMGLE MASTER-MULTIPLE REMOTE SYSTEM: CONSISTS of 1 IE-7 master and up to 6 RIE-1 remote stations, or 1 |E-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-talh 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 IE-7, IE-13, RIE-1 are 7K.LX67/8W×478H. Shpg. wt., (IE-7 and IE-13) 4 lbs. (RIE-1) $21 / 4$ lbs. EACH IE- 7 MASTER USED IN A SYSTEM REQUIRES A JBE JUNCTION BOX. EACH IE- 13 MASTER USED IN A SYSTEM REQUIRES 2 JBE JUNCTION BOXES.
44 F 12318 Model IE-7 7 Station Master
44 F 12300 Model IE-13 13 Station Master 44 F 12292 Model RIE-1 Remote Station 44 F 12326 JBE Junction Box 2 lbs .
37.45
46.45
11.95

| Stock No. | WIRE FOR BOCEN "IE" INTERCOMS |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Lensth | Conductor | Weight | Net |
| 32 F14525 | 100 ft . | 3 cond. unshi | 2 lbs. | 3.65 |
| 32 F 14566 | 100 ft . | 7 cond. unshi | $43 / 4$ los. | 9.60 |
| 32 F 14582 | 100 ft | 10 cond. unshi | 51/4 lbs. | 10.95 |
| 32 F 14947 | 100 ft . | 15 cond. unshi | 8 jbs . | 20.55 |

NEW! FANON IN-600 SOLID STATE ALL MASTER 5 STATION INTERCOM


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

- Comes With 50 ft . Multi-Conductor Cable and Plugs


## - Features Plug-In Wiring For Instant Installations

IN-600 5 Station Master Intercom features plug-in wiring for "instant installation." Fully selective; any station can speah to one or more other stations. Up to five stations in a system. Permits conference calls. Two separate conversations may proceed simultaneously. 50 ft . multi-conductor cable with plugs included. Anyone can hook-up entire system in minutes. No tools requlred! Powerful IC circuitry allows distances of 500 fI . between first and last master station. Press-to-talk switch has lock position. Ivory/brown whith wood grain accents. Unit size: $7 \times 34 / 2 \times 22^{\prime}$, For 117 VAC 60 Hz . Imported. Shpg. wt., 5 lbs.
44 F 30274
Net 29.95
Additional 50 ft . Iength of 5 -conductor cable with plugs. 44 F 30285 Shpg. wt., 1 lb.

Net 9.50

## EMERSON-RITTENHOUSE SOLID-STATE AM/FM HOME RADIO-INTERCOM SYSTEM



RI-17 Remote
RO. 14 Remote

## Complete System

 $109^{95}$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 Votrage Transformer and 165 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 styied 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 diodes with tuned RF stage for 'improved FM performance. Up to 8 remote stations may be connected to master. All stations are designed for built-in Installation in walls of $\mathbf{2}^{\prime \prime}$ or more thickness. Color coded wiring simpllfies connections. Powered by U.L. Ilsted low vottage transformer (supplied). Complete system inctudes 1 RM-16 master station with off.white finish and gold trim, 3 each RI-17 indoor stations, 1 RO-14 weatherproof door entrance station, AM and FM antenna, RT-28 low voltage transformer, plaster rings for above and 165 ft . coil of 3 -wire intercom cable. Dimensions: Master Unit-141/2 $\times 5^{\prime \prime} ;$ RI-17: $73 / 4 \times 4 \frac{1}{2 \prime \prime} ;$ RO-14: 3 3/8 $\times 576^{\prime \prime}$. Shpg. wt., 12 Ibs. 44 F' 46019 Wx No Money Down*


# Telephone Amplifiers, Telephones and Intercoms 

## DELUXE LAFAYETTE EASY-PHONE TELEPHONE AMPLIFIER

- 4 Transistors
- No Warm-up, Instant Operation
- No Pick-ups To Connect
- Amplifies Telephone To Room Volume

The Easy-Phone amplifier is Ideal for group conversatlon 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 Easyphone utilizes a 4-transistor battery powered amplifier and inductive pick-up, in an attractive plastic case. Features separate 3" speaker, volume control, on/off switch. Imported. Dimensions-Ampilfier section: 8W $\times 37 / \mathrm{HH} \times 3 \%{ }^{2} \mathrm{D}$. Speaker section: $31 / 2 \mathrm{~W} \times$ $21 / 2 \mathrm{H} \times 41 /{ }^{2}$ "D. Supplied with batterles. Shpg. wt. 2 lbs. 99792066

Net 12.95
Replacement "AA" Type Batteries 14 req.) 99 F 62580 Wt., 3 0z.

Net ea, . 10


## MINIATURE "SNAP-ON" LAFAYETTE SOLID STATE TELEPHONE AMFLIFIER AND TELEPHONE HEARING AID



95

- Ideal For Hard Of Hearing
- Portable - Carry It In Your Pocket - 4 Transistor Circuitry

Miniature, portabie, snap-on telephone amplifier because of its compact size can be carried in a pocket or purse. Designed to fit any modern telephone. Just insert battery (supplled) into battery holder. Attach amplifier to the receiver of the telephone you are using-and furn up the volume control of the amplifier. IDEAL FOR MARD-OF-HEARING. Specifications: 4 transistors. 2" dynamic speaker. Size $2^{5 / 4{ }^{\prime \prime}}$ round, $1^{\prime \prime}$ in depth. With battery and snaparound band. Imported. 99 F 92082 Shpg. wt., 1 lb.

Net 6.95
Eveready E 90 Replacement Alkaline Battery 32 F 48929

Net 33


CRADLE PHONE

## $7^{25}$

Popular type Stromberg-Carison cradle phone. Can be used as private telephone intercom. Reconditioned and ready to work Consists of handset and cradle, less dial. General appearance may vary slightly from catalos picture. Shpg. wt. 6 tbs. 44 F 65019

Net 7.25


## WESTERN ELECTRIC TYPE SG-1 SOUND POWERED HANDSETS


"LISTEN-IN" DUAL TELEPHONE DEVICE
 Snaps On To Your Phone...
Instantly Two Persons Can
Listen To Aby Comersa. tion On The Same Fhone

Just snap "Listen-In'" over earplece, 2nd listener simply presses receiver of "Listen-In" next to his ear and he is ready to listen in on conversation. Teenagers can use Hsten-in for extra "Party-Line" fun. Imported Shpg. wt., 1 tb.
44 F 27019
Net 1.99
Security Intercoms and Viewers
PROTECTO-COM SOLID STATE DOOR ANSWERING INTERCOM SYSTEM


Includes:
1 Master Amplifier Control-Station
1 Door Station
116 Volt Transtormer
50 th . of 2 Conductor Cable
All Hardware Necsssary For installation

- Provides Protection-Identify Callers Without Opening Doors
A complete door answering intercom system designed for installation in new or existing homes. Easy-to-use "talkdisten" switch on master. Protects residents from unwanted callers. Inexpensive and easily installed. Comes complete with Master station, door station, transformer, 50 ft of 2 -conductor cable, and all hardware necessary for installation. Shpg. wt., 4 lbs
44 F 37059
32 F 30521 Extra 100 ft . coll of wire. Wt. $1 / 2 \mathrm{fb}$.


## ONE WAY DOOR VIEWER

Permills thru-the -door identification without being observed. One way viewing only-you can looh out; no one can see in. Provides wide-anglé view-you can see anyone standing or crouching even at the side of the door. Instalis quickly with a simple hand drili. Requires $1 / 2^{\text {m }}$ In diameter. Length adjusts to flt any standard door thickness up to $134^{\prime \prime}$ thick. Cannot be removed from the outside, Rust-proof. Zinc die cast. Wt. 402 . 14 F 65020

Net 99
$99^{\circ}$
Lafayette Cat. No. 710

# Telephone and Accessories for Private Systems 



An exquisite reproduction of the classic turn-of-the century French Cradle Phone. Adds a touch of continental charm to your home-your phone will become a conversation piece. Simple hook-up. Ideal for private phone systems or as an extension to your present phone system. Ready to use... equipped with bell ringer, Induction coit, dia!, horn, mouthplece handset, 5 -ft. cord and plug. Finished in beautiful ivory with gold trim. Size: $81 / 2^{\prime \prime} \mathrm{L}$ $\times 81 / 2^{" W} \times 834^{* H}$. Imported. Shpg. wt., 9 lbs.
99 F 46328
Net 44.95
"BONNIE \& CLYDE" EXTENSION TELEPHONE


NEW!


## DIAL PHONE

Have Your Own
Private Intercom $9^{95}$

- For Telephone Systems, Intercoms, and Private Systems Popular modern dial phone. Can be used to make complete private systems, or add to your present system. Equipment taken from service, reconditioned and ready to work. Simple 3 -wire hook-up. Complete with handset, dial bell, Induction coll and connecting cable. General appearance may vary slightly from catalog illustration. Shpg. wt. 6 lbs.
44 F 18018
Net 9.95


## "PRINCESS-DUTCHESS" TYPE DIAL TELEPHONE



Whth 6 Ft. Colled Cord and Plug

Add a touch of elegance to your decor with the "Princess-Dutchess" type dlal phone. Can be used to make complete private systems or add to your present phone system. Comes complete with bult-in buzzer, metropolitan dial with numbers, ear plece, transmitter, and 6 ft . coiled cord with plug. Beautiful pearl white finish. $81 / 2{ }^{\prime \prime} \mathrm{L} x$ 4"W x $41 / 2^{\prime D}$. Imported. Shipg. wt., 5 lbs.
44 F 17010
Net 34.95

## 30 FT. TELEPHONE EXTENSION CORD



- Ideal Extension Cord for Use With Phones Listed on this Page

Add flexibillty to your telephone intercom. Now be able to move your telephone intercom from room to room. 30 feet of telephone exten. sion cord with standard 4 -pin plug and jack. Color coded cord to imatch screw terminals on plug and socket. Imported. Wt. $3 / 4 \mathrm{lb}$. 99 F 45395

## TELEPHONE PLUGS AND JACKS

44 F 60036 Phone Plug (Imported) 202.
Net 49
44 F 60028 Phone Jack (Imported) 207.
Net .49
100 Feet 2-Conductor Twisted pair-unshielded telephone wire. 32 F 13030

Net 2.12


Complete telephone outlet klt with telephone jack, mounting bracket, and wall plate for standard outlet box. Fush mounted. 44 F 56007 Shpg. wt., 6 oz .

Net 1.49

## 3 AND 4-CONDUCTOR COILED CORDS



One of the most modern of all phones in use today. Add to your present phone system. Comes complete with dial, buzzer, in duction coil, and $42 / 2 \mathrm{ft}$. cord and plug. Beautiful pearl white finish. Size: $81 / 2^{\prime \prime} \mathrm{H} \times 51 / 2^{\prime \prime} \mathrm{L} \times$ $4^{\prime \prime}$ W. Imported. Shpg. wt., 5 lbs 44 F 24040 Net 49.95

4 conductor colled cord extends to 5 feet, retracts to 10 inches. All four conductors are vinyl insulated and terminated with metal spade lugs at each end. Ideal for telephone, push-to-talk microphone, headphones and many other applications. Imported. Shps. wt., 7 oz. 99 F 46005 Net 1.39
3 Conductor Colled Cord. Same as above but only 3 conductors. 99 F 46013

# Telephone Recorders, Automatic Dialers \& Dictating Machines 

CROWN 4400 Solid-State Telephone Answering and Recording Machine


With Dynamic Mike, Phone Cradle 60 Min Tape Cassette

- Requires No External Recorder
- Records Up To 45 Second Individual Incoming Messages
- Can Take Up To 50 Messages On A 90 Minute Tape Cassette
- Can Also Be Used As Outgoing Message Repeater

PRESTODIAL AUTOMATIC TELEPHONE DIALER


NO MORE LOOKING UP PHONE NUMBERS

- Computerized Number Memory and Automatic Dialing
- Dials Local, Long Distance, Inter-Dffice Calls
- Fits All Telephones

At a press of a button talk to Police, Fire House, Doctor, Emergency Services, friends, relatives, business associates, or up to 36 pre-determined phone numbers. The PRESTODIAL uses no magnetic tapes, no cards. Numbers are stored in a "memory banh" consisting of 36 unbreakable cycolac of dishs. The phone caller slides a pointer on the visual index of the memory bank to the name he wishes to call, picks up the receiver, and presses a single button. The PRESTODIAL then dials the call automaticallyand correctly. Each PRESTODIAL disk will handle 14 digits-or more. This permits the automatic dialing of even the most complex long distance phone calls-also equally useful tor frequently called inter-office numbers. Works with all phones. One simple connection. Comes complete with programmer, memory bank, and 42 memory disks. Programmer contains dial and cutter for cutling a permanent dish which wilt contain the required telephone number. Dim. of memory bank: $81 / 2^{\circ} \times 4^{*} \times 31 / 4^{*}$. For 110 V ., 60 Hz AC. Shpg. w1. $6 \frac{3}{3}$ lbs.
44 F 54013 No Money Down* Net 99.95
Pachage of 12 extra disks. Shpg. wt., 1 lb . 44 F 54021

## featuring Built-in Cassette Tape Recorder



Optional RC-4 Direct
Line Adapter - 19.95
Deluxe, complete self-contained telephone answering and recording machine with built-in cassette recorder and phone cradle. An swers your phone with a 20 sec . prerecorded message and automatically receives a message from the caller. Model 4400 can take up to 50 messages on a 90 minute tape. Features simple pushbutton controls. When a message is finished communication is cut off and another message can be received. With an optional RC. 4 line adapter (see below), the 4400 can be plugged directly into the phone line, bypassing the phone itself. The 4100 can also be used as a message repeater or as a separate Tape Recorder. Comes housed in a fine-grained walnut wood cabinet. Size: $1^{\prime}$ 'hax 10\% $x 3 K_{0}^{\prime \prime}$. Uses Standard Cassette cartridges. Comes with 60 min . cassette microphone, and phone cradle. Imported. For 117 VAC 60 Hz . 27 F 72135 wx Snpg. wt., 11 lbs .

Net 199.95
27 F 72150 Model RC-4 In-Line Adapter. Shpg. wt., 1 lb. Net 19.95 Accessory Cassette Recording Tapes for Model 4400
28 F 01223 Lalayette 60 Min . Cassette. Imported.
Net 1.19 28 F 01207 Lafayette 90 Min. Cassette. Imported.


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 calls are recorded for up to 1 -minute duration. Can be played bach at a later fime at your leisure. Can also be used as a message repeater. With AC/OC remote control terminal, recording switch, and built-in mike. For $110 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported.
27 F 72143 W Shpg. wt., 6 lbs.
27 F 72150 Model RC. 4 In-Line Adapter. Shpg, wi., 1 lb.
Net 79.95
Net 19.95 27 F 72101 1-Minute Message Tape For 4100

Net 4.95

## NEH/I CROWNSCRIBER CASSETTE DICTATING/TRANSCRIBING MACHINE

## $199^{35}$

with fool petal, head set, remote control mike, dust cover


- Seven Second Repeat Feature

Solid State Cassefte dictating/transcribing machine with a 7 second repeat-feature. Patented foot pedat control starts and stops the "Crownscriber." In stop position, the transcriber can repeat the last 7 seconds of the message. Pushbutton controls for record, rewind, forward, fast forward, stop. Uees standard sire 30,60 , and 90 minule cassette tapes. For dictating. a remote control start/ stop mike controls the Crownscriber. Size: $11^{\prime \prime} \times 11^{\prime \prime} \times 51 / \mathrm{s}^{\prime \prime}$. Shpg. wt. 8 lbs. For 117 VAC 6 volts. Imported.

- See Page 11 for Finll Credit Details on Easy Pay Plan

Lafayette Cat No. 710
Lafayette Cat. No, $710-197$

# Hearing Aids And Ear Phones 

SUB-MINIATURE HEARING AID


## Lightweight!

 Only 2 ounces!A high quality, completely adjustable, hearing ald which weighs only 2 ounces. Features an advanced 4 transistor circuit, wide range volume control, crystal microphone, magnetic earphone, and a 4 postion tone converter control. Three tiny ear plugs and a 3 ft . flexible cord are included. Supplied with leather carrying case, earphone, and battery. Shpg. wt., I lb. Imported.

## 99 F 906801 <br> 32 F 48754 Extra Battery, Burgess NE type

Net 24.95

99 F 90698 Extra Plug in cord
g9 F 90706 Extra Earphone
Net 24.95
Net . 69


PRIVATE RADIO-TV LISTENER $1^{98}$

- Control Either Private Earphones or Remote Speakers
Simply installed unit allows normal use of TV or radio while adding controllable earphones or extension speakers. The hard of hearing may control their volume while others may listen at normal listening levels. May be operated up to 17 feet from set. Supplied complete with instructions, one earphone, and two earphone jacks. imported. Shpg. wt., 11 lb .

Net ea. 1.98
99 F 91720
99 F2548Extra Earphone. Shpg. wt., 402.
99 F 2349610 ft . extension cord. Shpg. wt., 3 oz.

## "WHISPER" BONE-CONDUCTION PILLOW SPEAKER

- "Sonic Transducer" cannot be heard at a distance


Sound is actually conducted through your pillow and bone to the inner ear. No danger of disturbing others-even husband or wife asleep in the same bed! $21 / 2^{\circ "}$ diameter round ivory plastic case is only $5 / 8^{\prime \prime}$ thick. With 6 ft . cord, $1 / \mathrm{g}^{\mathrm{m}}$ plug and jack. Plugs into radio or TV. Imported. Shpg. wt., 8 oz. radio or
99 F 90730
99 F 2549610 ft extension cord .... Net 2.79

## CRYSTAL HEADSET

- Under-the.Chin Design
- Lightweight


## - Sensitive Crystal Element

This IIghtweight, under-the-chin crystal headset provides the utmost in tistening comfort wherever a headset is used. This unit is characterized by a high sensitivity and is ideal for all applications where a very high impedance unit is required. This headset offers fine reproduction and comfortable ilstening in a Ifghtweight design. Complete with 3 ft . cord. Imported. Shpg. wt., 302. 99 F 25504


## SUPEREX AMATEUR PHONES

$$
1445
$$

These earphones are made specially for the Ham and short wave listener. Comfortable, removable and replaceable vinyl foam ear cushions make long hours at the rig a real pleasure Dual impedance, 600 and $4-16$ plug. High sensitivity and a crisp clear reohms, can be changed at pread statlon. Shpg. wt., $21 / 4 \mathrm{lbs}$. production

BEHIND-THE-EAR HEARING AID

-Weighs Only $1 / 202$ - No Cords

- Self-Contained Miniature Unit
- Complete with Battery Charger,

2 Rechargeable Nickel Cadmium Batteries and Case
A fine unit combining good performance and very small slze. Designed as a light and compact "eaf-lobe" hearing aid. All components are contained in the flesh-colored high impact case, which is worn behind the ear. Weighs only $1 / 2$ of one ounce! Sound travels to the ear through a clear tube, independent on-off switch and volume control. Operates 8.10 hours on a rechargeable nickel cadmium battery and 80-100 hours with a non-rechargeable mercury cell. Complete with a handy battery charger capable of charging cells overnight. Imported. Shpg. wt., $3 / 4 \mathrm{lb}$.

| 99 F 90722L No Money Down* | Net | 62.95 |
| :---: | :---: | :---: |
| 32 F 47467 Rechargeable nickel cadmium cell for | Net | 1.40 |
| kg. of 6 Mercury cells for abo | Net | 1.95 |

## 32 F 46683 Phg. of 6 Mercury cells for above <br> REMOTE CONTRQL FOR SILENT TV VIEWING



- Simple to Attach to any TV or Radio Set - See and Hear-Noiselessly and Conveniently
for late listeners. One or two people can both see and hear the program with the loudspeaker cut off. Fops for enjoying the late-late show without disturbing the rest of the household or the neighbors.
FOR HARD-OF-HEARING. Hear without turning the set volume so high that others can't stand the noise. It is possible to Ilsten elther with the loudspeaker cut off or, If the everyone wants to hear, with the speaker on.
FOR NOISY PROGRAMS view whth the speaker off.
FOR NORMAL OPERATION it does not affect the regular use of the TV set. It does not have to be disconnected.
REMOTE CONTROL comes complete with 20 It . of cable so it can be operated comfortably from a distance. Has Ms own volume control, speaker on-off switch, and two sets of jacks so either 1 or 2 earphones can be connected. Supplled with a miniature dynamic earphone. Highly sensitive and efficient. Complete with 1 earphone with 3 it . of cord and plug and control box with 20 feet of cable. Only $37 / 8 \times 2 \times 14 / 2^{n}$. Instructions included. Snpg. wt., $11 / 4 \mathrm{lbs}$.
13 F 0.0012
EXIRA EARPHONE. Shpg. wt. 3 oz .
Net 6.50
Net . 59
10' EXTENSION CORD for above.
99 F 25496 Shpg. wt., 302.
Net .49


## LAFAYETTE HEADSET

- Double Permanent Magnet

A real bargain-the convenlence and advantages of earphone listening at an especially low price. This is an extremely efficlent, double headset with adjustable headband, for private listening or for greater intelligibillyy when there are distracting sounds and external nolse. 4,000 ohms DC resistance. Has durable permanent magnets, removable earplece and $31 / 2$ feet of extension cord terminated with stand. ard headphone tips. Imported. Shpg. wt.. $1 / 2 \mathrm{lb}$. 99 F 25041
.Net 2.29

## HIGH OUTPUT CRYSTAL EARPHONE



- Mouthpiece allows Use as a Crystal Mike
High output crystal earphone with a plastic ear-insert and $51 / 2$ feet of flexible cord with a $1 / \mathrm{s}^{\prime \prime}$ diameter phone plug. Makes into a sensitive high impedance microphone by simply unscrewing the earpiece and attaching the included mouthpiece. imported. Shpg. wt., 8 oz .
99 F 25157
Net 1.09
Crystal earphone only with phone-tips. 99 F 25512


# Miniature Earphones \& Headphones 



- Detachable Plug-in Cord
- Flexible Plastic Support
- Excellent Sound Reproduction

A sensitive dynamic earphone of exceptionally fine quality. Lightweight, convenient and comfortable to wear. A flexible polyethylene support holds the receiver securely in place for either ear. The practically invisible transparent cord is connected to the cased earplece by means of a special plug. Provides clear reproduction with a pleasing tone quality. Complete with 3 -ft. cord. Shpg. wt., 3 oz . Imported.
99 F $254213000-0 \mathrm{hm}$ Impedance with phone tips .............. 1.19 6 -Ohm Impedance with $1 / \mathrm{B}^{\prime \prime}$ diameter phone plug and phone jack. 99 F 25413

Not 1.29

## CLEVITE-BRUSH HEADPHONES $20^{00}$

Model BA-200-1. Rugged, sensitive, impedance, 45,000 ohms. Response, $100-8,000 \mathrm{~Hz}$. With $5^{\prime}$ cord and headband and phone plut termination. 40 F 80016 Shpg. wt., $11 / 2$ lbs.


Model BA200-B. Same as above but wired for stere0 use. Impedance 90,000 ohms. With eyelef terminals.
40 F 80024 Shpg. wt., $11 / 2 \mathrm{lbs}$.
Net 20.00

"CANNON-BALL" DOUBLE HEADSET
Low-priced, lightwelght, with powerful Alnico $V$ magnets and double colls. Adjustable steel headband. $44 / 2 \mathrm{ft}$. cord. With pin tips. 40 F 81014 AM-15-2-2000 ohms DC. Shpg. wt., $3 / 4$ Ib. ....... Net 3.05 2000 ohm DC with standard phone plug. vinyl headbaed 40 F 81113 Shpg. wt., $1 / 4 \mathrm{lb}$.
40 F 81030 AM-15-5-5000 ohms DC. Shpg. wt., $3 / 4 \mathrm{lb}$.
Net 3.75

## "CANNON-BALL" SINGLE HEADSET

Single efficient phone with spring steel headband and $41 / 2 \mathrm{ft}$ cord. Shpg. wt., 6 oz .
40 F 81048 AM-15-1- 1000 ohms DC
Net 1.57

## "CHIEF" HEADSET

Bakelite phones, double coils, alnico magnets and vinyl headband. Dlaphragm diameter 21/4s".
40 F 81063 CC1 1-11 ohms DC
Net 3.30

## BRANDES "ADMIRAL" HEADPHONES

"Matched.tone" headset. Large diaphragms. Double coils, chrome steel magnets. Adjustable steel headband. $41 / 2 \mathrm{ft}$. cord. Shpg. wt., $3 / 4 \mathrm{lb}$.
40 F 81071 BA-2-2000 ohms
Net 3.45
40 F 1097 BA-5-5000 ohms
Net 4.25

## REPLACEMENT CUSHIONS

Soft rubber cushion fits all above phones and most standard headphones. Shpg. wt., 501. 40 F 59325

## REPLACEMENT COROS, \& TIPS

Sturdy copper conductor replacement cords with cotton insulation, $41 / 2$ feet long, with terminatlons indicated. Double phone cord, except * is single cord. Shpg. wt., 3 oz.

40 F 59291 Spade and pin tip
Net .67
40 F 59309 Pin tip both ends
Net . 67
40 F 59317 *Pin tip both ends
Net .50
Heavy plated tips. Takes up to No. 18 wire, $1^{\prime \prime}$ Iong, 4 oz
32 F 85244
Phg. of 10 , Net .20

SOUND SHELL EARPHONE WITH DYNAMIC SPEAKER

- Fits over the ear
- Less than $11 / 202$.

Unique, new listening device incorpolates a wide range ( 30 to $14,000 \mathrm{~Hz}$.) speaker in a specially designed plastlc sound shield. Comfortably fits over either ear for maximum listening pleasure. Impedance 8 ohms. Complete with $42 / 2^{\prime}$ cord and $1 / a^{\prime \prime}$ dia. minjature plug. Imported. Shpg. wt., $1 / 4 \mathrm{lb}$

## 99 F 26148 <br> Net ea. 2.95



## SUPER POWER DYNAMIC EARPHONE FOR TRANSISTOR CIRCUITS

- Powerful Efficient Magnet

Extra efficient construction and a powerful magnet provides excepfional performance. Ideal solution to the problem of low output in transistor circults. You'il be amazed at the difference in volume, as well as its quallty of reproduction, when you use this dynamic earphone. AC Impedance 6700 ohms. DC resistance 3000 ohms. Snap on ear-plug. Complete with 3 ft . detachable plug-in cord with miniature h/e" dlameter plug. Imported. Shpg. wt., 2 oz. 40 F 78010

## ECDNOMY ALL.PURPOSE DYHAMIC 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 radio sets, ampliflers, and transistor receivers. Lightweight and equipped with a practically invisible support which is comfortable over either ear. Impedance 6 ohm, with a miniature $\mathrm{k} / \mathrm{s}^{*}$ diameter phone plug and a 3 ft . cord. Shpg. wit. 2 oz . Imported. 99 F 254 et $1 /{ }^{\circ \prime}$ dia. plug
Same as above with $\boldsymbol{\gamma}_{2}{ }^{\prime \prime}$ dia. plug
40 F 79018
Net .59

## STEREOPHONIC HEADPHONES

- True Binaural Reproduction
- Lightweight-Less Than 202.

Binaural magnetic units are equipped with two separate transducers and cord sets for true dual-channel reproduction. Extremely sensitive, sound is carried through plastic tubes to earpieces. Hinge permits adjustment to desired spacing. Complete with $1 /{ }^{\prime \prime}$ dia. plugs, Imported. Shigg. wt. 6 oz .
99 f 100196 ohms Impedance .... Net 2.35 99 F 100275000 ohms Imped. .......Net 2.45

## MONAURAL HEADPHONES



Single channel version of above FM Monaural listening. SIngle transducer is removable and may be used as earphone with a snap. on earpiece which is included. Complete with $1 / \mathrm{g}^{\prime \prime}$ dia. plug and jack. Imported. Shpg, wt., 5 oz.
99 F 254626 ohms impedance
99 F 254705000 ohms Impedance

## EXTENSIDN WITH PLUG \& ADAPTER

Perfect for extending earphone from transistor and portable radios. 10 ft . extension cord has $1 / \mathbf{B}^{\prime \prime}$ dia, miniature plug at one end and enclesed socket on the other which accepts $1 / 8^{\prime \prime}$ dia. plug. Cable comes in attractive light pink color. Imported. Shpg. wt.
99 oz.
25496

Het 49


# Telex Headphones and Microphones 



## TELEX TELESET

(A) Lightweight (8 ounce) headsets tailored to the requirements of radio operators, and all general work. Fine stainless steel and plastic design dellvers high sensitivity and faithful sound reproduction. Frea. Resp.; $50-10,000 \mathrm{~Hz}$. 5.ft. durable vinyl-covered cord. Shpg. wt., 1 lb .
40 F 59010 Imp. 2,000 ohms Net 14.50 40 F 59028 imp. $500-600$ ohms Net 14.50 Soft foam plastic cushions. Wt., 5 oz . 40 F 59036 One pair ACT-2 Net 1.00

## TELEX MONOSET

(8) An under-chin headset ideal for secre. tarial office dictating machine use and private listening to radio, TV and recordings. Anodized aluminum tone arms are fully ad. justable and weigh only 1.2 ounces. Frequency response: $50-5,000 \mathrm{~Hz}$. Single detachable 5 ft . cord with standard phone plug eliminates tangling. Shpg. wt., 7 or.
40 F 59044125 ohm model HMV-2 Net 9.25 40 F 590512000 ohm model HMY-2 Net 9.25

## TELEX DYNASET

(C) This lightweight headset is excellent for every kind of communication use, including office equipment, radio, TV and commercial applications. A magnetic driver element provides clear reproduction. Sound travels through 5 ft. tubing. With phone plug. Frequency Response: $50-5,000 \mathrm{~Hz}$. Shpg. wt. 602.

40 F 59069 Model HUP. 01
Net 12.65

## TELEX TWINSET

(D) Banishes bothersome ear pressure. Tubular sound arms pipe signal to ears, Oniy 1.6 oz . Complete with 5 ft . cord and standard phone plug. Shpg, wt., 7 oz . 40 F 59085500 ohms HTW-2 40 F 590931000 ohms HTX-2

Net 15.65
TELEX PERSONA-PHONE


- For Private Listening
- Individual Volume Control
$34^{00}$
Persona-Phone allows personal listening in churches, libraries, auditoriums. museums, exhibits, etc. Individual volume controls allow the listener to adjust to his own hearing without annoying nearby persons. Each unlt has two shell type earsets which slip comfortably over the ear. Beige colored earsets weigh less than $11 / 2 \quad \mathrm{oz}$. and are equipped with $5^{\circ}$ cords. Units may be used with sound systems providing 70 volt. 25 volt or 8 ohm outputs. Size: $43 / /^{\prime} \mathrm{W} \times 37 / \mathrm{s}^{\prime \prime} \mathrm{H}$ $\times 2 \%$." Shpg. wt., 3 lbs.
40 F 59507 Y No Money Down*


## TELEX TELE-FI

(E) Fidelity "In depth" with onty one speaker. The $1 / 2$ ounce continuous piece tone arm delays the sound to the ear opposite the speaker for one millisecond. This delay creafes greater depth and clarity. Unlimited applications. A perfect leisure listening set for Individuals with a hearing loss. 5 It. flexlble cord included. Shpg. wt. 6 oz .
40 F $59101 \quad 15$ ohm HFR-91 ....... Net 5.95 40 F 59119125 ohm HFV- 91 ......... Net 5.95 40 F 59127500 ohm HFW. 91 ........ Net 5.95 40 F 591351,000 ohm HEX-91 .........Net 5.95 40 F 591432,000 ohm HFY-91 Net 5.95

## TELEX 600 SERIES MAGNETIC BOOM MIKE HEADSETS

(F) Dual magnetic headsets with removable ear cushions. Light in weight-yet very rugged. Choice of 600 or 2000 ohm headphone impedance. With 250 ohm noise cancelling dynamic boom microphone. $\dagger$ With High $Z$ ceramic boom microphone. Model 605 has single headphone only. All with 5 ft . cord and standard $1 / 4$ " Phone plugs. Average shpg. wt., 1 tb.

| Stock No. | Type | Impedance | Net |
| :--- | :---: | :---: | ---: |
| 40 F 59374 | $600-1$ | 600 ohm | 19.95 |
| 40 F 59390 | $\uparrow 600-3$ | 600 ohm | 21.95 |

## TELEX MAGNETIC PILLOW SPEAKER

(G) Ideal for radic or TV. Enjoy private listen. ing in bed or in a chair without disturbing others. Great for late lisiening, Only $21 / 4^{\circ \prime}$ dlameter and $5 / 8^{\prime \prime}$ thick. Maroon waterproof plastic. Complete with 5 ft . cord and stand. ard phone plug. Shpg. wt., 6 oz.

Net 8.85

## FULL FIDELITY MUSIC HEADPHONES



Designed For Music Appreciation Courses, Electronic Instrument Lessons \& Libraries

Telex 820 Series Headphones offer outstanding versatility and value. Frequency response of $50 \cdot 18,000 \mathrm{~Hz}$. Uightweight and attractively styled in brown with white trim and vinyl protected spring steel headband. Monaural version has 4 -ohm impedance, six foot white cord and fwo-circuit phone plug. Stereo version has 8 -ohm impedance six foot brown cord and three circuit piug. Shpg. wt., 1 lb .
40 F 59499 Monaural
Net 9.95
40 F 59481 Stereophonic
Net 9.95

## TELEX TV LISTENER

(H) Cord clips allow simple and safe attachment to any radio or TV. The control switches turn the radio of TV speaker on or off and control the volume through the earset. listener complete with one earset, 15 it listener cord, and 4 ft . earset cord. Shpg. wt., 1407.
40 F 59192 LCP-90
Net 9.95
Extra earolece Elv-98. Allows two to listen at once. Shpg. wt., 4 oz.
40 F 59333
Net 2.95

## TELEX DYNAMIC PILLOW SPEAKER

(1) New dynamic miniature pillow speaker gives the ultimate in tonal quality without distortion. For individual and institutional se Safe and no complicated wiring necessary. Staintess steel, moisture proof housing. Size: $31 / 4^{\circ "} 0$. $11 / \mathrm{B}^{\prime \prime}$ max. thickness. Complete with a 5 ft . cord and standard phone plug. Shpg. wt., 1202.
40 F 59200 3.2 ohms SDN.2A .... Net 8.85 40 F 5921810,000 ohms SDM-2A Net 11.80

## TELEX ACCESSORY CORDS



5' accessory cords with standard phone plug on one end and Telex connector on other. * May be used with illustra. tions D or I. \& May be used with B or E. Shpg. wt., 40 Oz .

Stock Mo.
Description
Net
40 F 55259 CCM-2, Coiled Cord 2.95
40 F 59267 CMM-2, Straight Cord * 2.25
40 F 59275 CCT-2, Coiled Cord
40 F 59283 CMT-2, Straight Cord 2.25

## TELEX 1200 FOR LANGUAGE LABS

 31

- Meets All Language Institute \&

Governmental Specifications
Deluxe headset with boom mike designed for language laboratory use. Dynamic headphone response is $20-20,000 \mathrm{~Hz}$. Dynamic boom noise-cancelling microphone response 100 8000 Hz . Headset impedance 600 ohms. With $1 / 4^{\prime \prime}$ phone plur. White with arav trim Shpg. wt., $13 / 4$ lbs.
40 F 59457 Telex $1200-42$ Net 31.95
Headset only, less boom mike.
40 F 59465 Telex $1210-04$
Net 23.50

# FLY THE BIG SKYHAWK BY REMOTE CONTROL 

COMPLETE OUTFIT:
Plane, Receiver, Transmitter, Batteries and Charger

TESTOR'S R/C SKYHAWK

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

Simple snap in wing and ready to fly radio controlled plane which incorporates true (pulse) proportional control for smoother, more realistic tiight control. This plane is so easy to fly that it is recom. mended for beginners- no electronic or mechanical skill is required. Aircraft fuselage constructed of virtually indestructible super-impact styrene. Wings and horizontal stabilizer are of super light styrofoam. Tricycle landing gear assures simple landings. High torque . 049 cubic anch internal combustion engine has gas tank aftached for 4 minutes of powered 11 ight . Super sensitive 9 transistor superhet recelver combines with a powerful dual coil, twin magnet actuator
for superior reliability. 8 transistor $\mathbf{2 5 0}$ milliwatt transmitter provides up to one mile range control. Simple guidance controls include Ilinger tip trim for basic in-flight stacilization. Heavy duty rechargeable batteries are easily charged with convenient charger (included). Complete with R/C plane, transmitter, battery charger, and illustrated flying Instruction book. Shpg. wt., $63 / 4 \mathrm{lbs}$.
42 F 73017WX for 27.145 MHz .
Net 79.95
42 F 73058 WX for 26.995 MHz Net 79.95 Net 79.95

## SKYHAWK SPECIFICATIONS

Length: Fuselage 27 ", Wing $44^{\prime \prime}$. Flying Weight; 23 ounces (approximately). Speed: 30 MPH True. Fuel Capacity: 4 Minutes powered
REMOTE CONTROL MUSTANG GT OUTFIT

COMPLETE OUTFIT: MUSTANG, Receiver, Transmitter, Batterles and Charger

## $70 \underbrace{95}{ }_{\substack{\text { No Money } \\ \text { Down }}}^{\circ}$

- Completely Assembled-Ready To Use
- Twin High Torque Drive Motors
- Rechargeable Batteries with Charger
- Electronic "Relay-less" Dirive Control

Authentic $1 / 11$ th scale model R/C Mustang GI. Fully-assembled. Car body of glossy polystyrene. Durable chassis is tempered aluminum. Twin high torque drive motors are coupled to rear wheels through an electronically controlled 4 transistor rear end... achieves true differential action! True (pulse) proportional circuitry permits feather-touch control. Guidance confrols include steering (left-center-right), drive motor (start-stop) and speed (high-low). Super sensitive 9 transistor recelver combines with powerful dual coil, twin magnet actuator for superior rellability. 8 transistor 100 milli watt transmitter provides convenient control board. Heavy duty rechargeable batteries are easily charged with convenient charger (included). Complete with R/C model, transmitter, and battery charger. Shpg. wt., 71/4 lbs.
42 F 73033 WX for 27.095 MHz
Net 79.95
42 F 73108 WX for 26.995 MHz $\square$ Net 79.95 42 F 73124 WX for 27.195 MHz

MUSTANG GT SPECIFICATIONS
Net 79.95
Length: 16 inches. Width: 6 inches. Height: 4 inches. Welght: 2 lbs., 8 ounces. Speed: 100 MPH Scale. Turning Radius; 3 feet. Trans: mitter: Single Tone AM Modulated Relayless Pulse. Rectiver: Superheterodyne with Pulse Width Rate Decoders.
flight. Transmitter: Single Tone AN Modulated Relayless Pulse Receiver: Superheterodyne With Pulse Width Rate Decoders.


- SINGLE CHANNEL - 27.145 MHz

Complete, ready-to-operate (except for batteries) single channel Radio Control system. Ideal for medium tange (up to 800 feet) operation of small planes, cars and boats. All transistorized circultry for dependable operation on 27.145 MHz .Compact, lightwefght ( $11 / \mathrm{s}$ oz.) relayless receiver has tuning lamp to adjust for maximum efficiency. Transmilter has 7 -section retractable antenna. Compound escapement actuated by receiver batteries. Complete installation diagram and instructions are provided. Transmitter 434x256x13/4"; Recelver $11 / 2 \times 11 / 0 \times 3 / 4$ ". Complete system less penlite cells not supplied. Imported.
42 F 76002 Shpg. wt., $3 / 4 \mathrm{lb}$.
Net 34.95
99 F 62580 AA Batteries ( 10 réquired)
10 for .69

## LITTLE "JEWEL" REMOTE CONTROL RELAY

- Size: $7 / 4 " H$, $1 / 3 a^{\prime \prime} W_{1} 1 K_{6}{ }^{\prime \prime}$ L
- Weighs less than $1 / 202$.

A natural tor remote control receivers, it is highly sensitive, and buit to withstand severe crashes. The smallest commerclal job available, it weighs less than $1 / 202$. Factory adiusted to pull in at 1.4 MA drop out at 1.2 MA D.C. Single Dole, double throw. Used in outstanding R/C recelvers. 5,000
 ohm coil. Imported. Shpg. wt., 2 oz. 99 F 60915

Net 2.29

### 27.255 MHz CRYSTAL . $005 \%$ TOLERANCE!

Designed for use in R/C model planes, boats, cars, etc., as well as on channel 23 of class "D"' Citizens Band Equipment. Type HC-6/U holder: Pin spacing .493; Pin dia. .050*. 46 F 18237

Net 2.25
 42 F 09011 Crystal Socket for above Net . 36

## LAFAYETTE I5(0)-in- ] ELECTRONIC EXPERIMENTERS KIT

## Assemble 150 Interesting Electronic Projects

- 100\% Reusable Components
- No High Voltage or Soldering
- Sturdy Compact Wooden Case
- 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 musical instruments, physics, chemistry, amusement, and convenient living. Its quallty components are attractively displayed in a functional, sturdy wooden storage case for ease tn experimentation and long lasting protection. The enlarged visualized integrated circuit clearly shows the various devices 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. Simpll. fled 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 batterles. Size: $31 / 2^{\prime \prime H} \times 151 / 2^{\prime \prime} \mathrm{W} \times 81 / 2^{\prime \prime} \mathrm{D}$. Shpr. wt., $33 / 4 \mathrm{lbs}$.

Only

## Featuring An Enlarged Visualized Integrated Circuit

Vivid enlarged representation clearly shows the functional components of a typical integrated circuit. Incorporates a capacitor, resistors, transistor and diode to form a remarkable educational unit.

99 F 60212 Extra 9 volt battery
EDUCATIONAL-CREATIVE-NO TECHNICAL KNOWLEDGE NECESSARY! LEARN WHILE YOU BUILD!


The 80 fascinating projects which can be assembled with this Lafayette kit cover a wide range of subjects such as home entertainment, wireless communications, telephony and telegraphy, music, publlc address, alarms and warning systems, electrical measurement, digital circuitry, phystology, weather, etc. You can build a dozen different radio receivers, including a solar powered tran. sistor radio. Also included are projects concerning computer type "AND" and "OR" clrcuits. many varieties of Ught and sound code

# LAFAYETTE <br> (8)-in- $]$ ELECTRONIC PROJECT KIT 

 BUILD 80 SAFE BATTERYOPERATED ELECTRONIC
PROJECTS

- All Solid-State Circuitry - No Soldering Requirer The ideal introduction to the world of electronics for young or old experimenters. Build over 80 safe, battery operated, useful solidstate projects with thls 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 ellminates soldering. Each prolect can be assembled and disassembled in just minutes. This "breadboard" type kit is ideally suited to the design of as many additional circult projects as your ingenuity and creatlvity can produce. Nothing else needed-kit includes all parts for these prolects-galvanometer, solar cell, transistors, relay, baffled 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. Shpp. Wt., 3 lbs.
99 F 35016 Complete $80-1 \mathrm{n}-1 \mathrm{KIt}$
Net 16.95
99 F 62580 11/2V Replacement Battery (2-required) .... Net ea. 16.95 99 F 60212 9V Replacement Battery (1-required) Net . 21
signal communications using Morse Code, several transistorized ampliflers and a public address system, continuity checkers and signal tracer, wireless microphone, metronomes, electric harmonIca, photoelectrlc relay and burglar alarms. Some unusual projects include an efectro-stethoscope, sensitive photometer, light wave transmitter, rain alarm, direction finder, auto headlight dimmer, cat sound simulator, muscle simulator, water level warning system and many others guaranteed to provide fun for the entire family.


## Exciting Kits for the Experimenter

# LAFAYETTE "EXPLOR-AIR' 4-BAND RECEIVER KIT TUNE IN THE WORLD! 

- Covers 10, 15, 20, 40, 80. 160 Meter Amateur Bands
- Tunes International Broadcast, Citizens Band, Maritime, Aeronautical and WWV Time Signals
- Covers Standard AM Broadcast Band
- Complete Band Switching from Front Panel
- Bandspread Tuning
- Built-in 4" Speaker

Lafayette's sensafional shortwave receiver kit is a complete short. wave and standard broadcast set which covers the entire region from 550 kHz to 30 MHz . Four whole bands of fascinating programming. Perfect for language students and shortwave listeners. Only a regenerative circuit can offer such amazing performance and yet be so simple to bulid. Building this fine kit is an absolute pleasure-it's so well designed you can't go wrong. Kit includes all the parts you need and the defailed step-by-step instruction book with its giant pictorial drawings shows you just how to put them together. One front panel knob does all the bandswitching, imme. diately taking you from band to band. All coils are prewound for greater accuracy. Complete 4 band coverage of broadcast stations, international broadcast bands; amateur, maritime, and WWV time

## LAFAYETTE 2(0) inELECTRONIC PROJECT KIT

* Absolutely Safe . . . No High Voltage or Soldering * Detailed Simplified Instruction Manuals
- Build 20 Interesting Electronic Projects
- Easy to Wire Spring Tension Terminals
- Pre-assembled Educational Wiring Blocks

Educationally stimulating kit utilizes 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 funer, diode, key, transformer, galvanometer, solar battery, two resistors. and three capacttors. Battery provides safe low voltage power. Projects are easily assembled in minutes. Attractively packaped in a convenient storage case. Supplied with all components Including battery. Shpk. wt.. 2 lbs.
99 F 35214
99 F 62580 Extra $11 / 2$ volt "AA" battery
Net 3.35

## lafayette 1$]$ O-in- 1$]$ electronic project kit



* Absolutely Safe . . . No High Voltage or Soldering * No Technical Knowledge Necessary
* Detailed Simplified Instruction Manuals
- Build 10 Educationally Stimulating Projects
- Enlarged Visualized Integrated Circuit

Lafayette's electronic project kjt features an enlarged visualized integrated clrcuit which clearly shows the typical placement of a condenser. two resistors, transistor and diode in an IC. All con. nections are facilitated by spring tension terminals for easy wiring without soldering. Projects include circuit testers and communi cation sets. All components are reusable and mounted on an attractive wood molded panel. Supplied complete with manual and batteries. Size $11 W x 13 / 4 H \times 8^{N}$ D. Shpg. wt. $11 / 4$ Ibs.
signals. Big $4^{* *}$ speaker and sensitive circult with $50 C 5$ output stage and 12 aT7 regenerative defector and amplifier stages give you all the volume you want. Phone jack for privacy automatically dis. connects speaker. All controls are on the front panel: On-Off Volume Main Tuning, Band Spread, Bandswitch, Antenna Tuning, and Regen eration. 110 volt $50-60 \mathrm{~Hz}$ AC-DC power supply. Size $10 \times 7 \times 5{ }^{\prime \prime}$
19 F 09050 (Less Cabinet) wt., 5 Ibs. $\qquad$ Net 22.95
Shortwave antenna kit for above. Shpr., wt.; $11 / 4 \mathrm{lbs}$.
32 F 30984
Net 2.35
Leatherette covered Wooden Cabinet for above. 1 lb . is F0906


NEW Only $9^{95}$


# Computer Kits and Amplifier Modules 

GENIAC* COMPUTER KITS


DOUBLE GENIAC

> For Schools, For Science Fairs, For Advanced Experimenters - Over 800 Parts - Computes, Reasons, Plays Games Composes Music, Forecasts Weather Design Your Own Computers

The newest kit in famous Geniac serles! The "Oouble" Genlac contains over 800 parts. Two of everything in the Standard model. Offers the advanced experimenter a far wider range of activities. Perfect for school demonstration. Multiple setup is ideal for Science Fair projects-submit one or more designs. Build "electric brains" that test intelligence-code and decode-idd, subtract, multiply and divide-solve puzzles
-play games-forecast weather-reason in syllogisms-Information and logic circuits. No soldering requlred. Easlly assembled and operated. 64 page guide and reference book, beginners manual, wiring diagrams and many extra pamphlets outlining projects and methods. Complete with mounting rack and batteries. Shpg. wt., $84 / 2 \mathrm{lbs}$.
19 F 38034
Net 18.95

## STANDARD GENIAC

You build up to 125 exciting "electric brain" machines. Has special circults for forecasting weather. No soldering required. Comes complete with extra pamphlets including 64 . page "Simple Electronic Brains and How To Make Them." "Symbolic Analysis of Relay
and Switching Circuits," "Beginner's Manual." "Machine to Compose Music," wiring diarrams. efc. Complete with battery. $161 / 2 x$ $113 / 4^{\circ}$. Shpg. wt., $41 / 4 \mathrm{lbs}$.
19 F 38042
Net 11.95

## 20 WATT STEREO SOLID-STATE

 AMPLIFIER MODULE $22^{95}$ Now With Integrated CircuitsThis especially fine transistor stereo amplifier delivers 10 watts per channel continuous power (RMS) into any 8 ohm speaker. Has 2-IC's and 8transistors. The separate bass and treble controls allow 20 db adjustment at 100 Hz and 10 kHz . The dual volume control allows simultaneous increase in volume of both channels, while the balance control allows compensation for program variations. The low noise preamp stage provides a sensitivity of 0.5 volts for use with a ceramic phono cartridge or a AM/FM tuner. The direct coupled complementary symmetry circuit gives a Hi -Fi frequency response of 30 Hz to $40 \mathrm{kHz} @-3 \mathrm{db}$. Includes the power sup.

19 F 09159 Shpg. wi., $1 / 2 \mathrm{lbs}$.
Net 22.85 Same model as above but on two separate printed circuit boards for compact mounting. Con-
 19 F 09167
Power transformer for above ampllfier modules. $\operatorname{Shpg}$. wt. $1^{1 / 4}$ libs. 19 F 09175

Net 22.95
Net 2.95

## 8-WATT STEREO SOLID-STATE



A complete 4 -control stereo amplifier with 2 -IC's and 6 -transistors which provides 4 watts RMS per channel; 8 watts continuous power total output! The four controls allow separate volume, balance bass and treble adjustments. The direct couple complementary symmetry circuit gives a true $\mathrm{HI}-\mathrm{FI}$ response of 45 Hz to $20 \mathrm{kHz} @-3 \mathrm{db}$. 1 Mer input impedance allows this amp to be used with a wide range stereo crystal cartridge, FM tuner or other 1.5 volt source. Use with 8 ohm speakers to give top performance. The amplifier Inciudes power supply components ( 2 diodes, 1 filter capacitor) except the power transformer. Dimensions: $71 / 2^{\prime \prime} \mathrm{x} 14 \mathrm{~S}^{\prime \prime} \mathrm{W} \times 31 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., $11 / 4$ lbs.
19 F 09142
Net 15.95
Power transformer for above amplifier module. Shpg. wt., $11 / 2 \mathrm{lbs}$. 19 F 09183
204

## EDUCATIONAL SCIENCE KITS

ELECTROCRAFT MASTER ELECTRIC BUILD-IT SET EGMit


An advanced but completely safe educational kit in the fieid 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, lelegraph set, traffic signai, electric crane and many others. All projects are battery operated. Easy-to-read, illustrated 76 -page instruction manual. Size: $214 / 2 \times 131 / 2 \times 21 / 4^{\prime \prime}$. Shpg. wt., $21 / 2 \mathrm{lbs}$.
19 F 84030 Less Bafteries ............. Net 8.95 Batteries For Above
99 F 62564 " 0 " 2 required ...... Net ea. . 15 99 F 62580 " AA " 2 required ... Net ea. . 10

## RAYTHEON-LECTRON EDUCATIONAL SETS

- Space-Age Magnetic Blocks Make Electronics Child's Play
- No wiring - No tools No Electronics Knowhow Needed
- Match magnetic blocks with a schematic おiagram in guidebook
- Series 2 Set Builds 43 Projects
- Series 3 Sef Builds 56
 Fascinating Projects
Set consists of domino-like see-thru magnetic connecting plastic blocks each self-contained with a transistor, capacitor, or other electronic camponent, etc., inside and the electronic symbol therefor 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, circult symbols on the blocks form a schematic diagram. 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 ampllifiers, light modulated detector, Morse code transmitter, metronome, burglar alarm and more, plus your own ingenuity. Shpg. wt., 3 lbs.
19 f 18051

## MAGIC-GLO BLACK LIGHT



- Learn Invisible Detection
- Write Secret Messages
- Educational-Scientific
- Enjoyable-Interesting

The Black LIght Kit enables you to see the Invisible, Guaranteed completely safe and harmless. This kit altows 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 phg. of fluorescent materials. Enables the student to periorm endless numbers of fascinating experiment:. The amply Illustrated 48 page booklet "The Story of Black Light - The Unseen World Around Us." explains the use of black light in fields such as mineralogy, electronics crime detection, medicine, stamp collecting. and many others. Shpg. wt., $21 / 2$ lbs. 19 F 13011

Net 12.95
Net 3.95
inexpensive "C" cells (not
19 F 13029 Replacement U.V. Bulb for above

SERIES 3 LEETRON SET-make a solid state radio with speaker in 2 minutes and 55 more projects-all of Series 2 plus Intercom, voice transmitter, public address and telephone amplifier, automatic night light, etc. Shpg. Wt., 5 lbs.
19 F 10044
Net 24.95


## TRANSISTOR RADIO AND BROADCAST KIT

- Use it Either As An AM Wireless Broadcaster or AM Radio Receiver

Transmit your own radio program with this safe, battery-operated transistorized broadcaster or receive AM radio programs. Includes headphone, broadcast microphone for bome broadcasts. Alnico loudspeaker, antenna, plus all other required parts. Big $18^{\prime \prime}$ plastic cabinet. Easy to assemble with instructions provided. Operates on 3 inexpensive "C" cells (not included). Shpg. wt., 5 lbs.

Net 9.95
PHILMORE DUAL BAND BROADCAST
SHORTWAVE RADIO KIT


- 2 Bands
$550-1650 \mathrm{kHz} ; 3-13 \mathrm{MHz}$
This radio covers the standard broadcast band from 550 to 1650 kHz and a shortwave band from 3 to 13 MHz . Modern circuitry with enough audlo to drive a buitt-In $31 / 2$ inch speaker. Be rewarded with the satisfaction of having built a radio which will actually pull in standard broadcast. amateur and other shortwave stations. Includes punched chassis, grey hammertone panel, $31 / 2^{\prime \prime}$ speaker, pictorlal and schematic diagrams, and easy-to-follow instructions. Complete with all hardware: less solder, wire and tubes. Tubes required: 1-50C5, 1$12 A U 6$ plus 1-35W4 rectifier. For 105-125 volts, $A C$ or DC. Shpg. wt., 4 ibs.
19 F 58016 MODEL 7001CR. ......... Net 14.50 Shortwave antenna ult for above 32 F 30984 Shpr. wt., $11 / 4$ lbs.

Net 2.35

2 bands cover both standard broadcast 540 1620 kHz and shortwave $5.8-18 \mathrm{MHz}$ which includes international broadcast, 40 and 20 meter ham bands and some of the seronautical and marine bands. Superhe:erodyne circuit has high gain IF's, built-in broadcast band loop antenna. Comes complete with jvory cabinet $4^{\prime \prime \prime} \mathrm{PM}$ speaker, tubes ( 12 FE 6 , 12BA6. 12AV6, 50C5, plus 35W4 Rectifier) and all parts. Easy to follow step-by-step instructions. Shortwave band requires external antenna (not supplied). Size: $81 / 4 \mathrm{Wx}$ ternal antenna (not supplied). Size: $83 / 4 \mathrm{Wx}$
$5504 \times 54 / 2 \mathrm{D}$. for 110 V AC or DC. 19 F 40071 Shpg. wt., $47 / 4$ ibs. ... Net 17.95 Shortwave antenna kit for above 32 F 30904 Shpg. wh., $11 / 4$ lbs. .... Net 2.35

## SHORTWAVE AND SUPERHET BROADCAST RADIO KIT



## $17^{95}$

 ical han band and some of seronau-
## PORTER COMMUNICRAFT LAB KIT

- Build 12 Projects

In Sound Communications

$11^{95}$
All the necessary components to explore the wonders of sound. Includes control panel electronic parts, transistor, speaker to build such projects as radio receivers, code oscillators, volce transmitter and more. Manual explains electronics in simple terms, includes easy to follow tiagrams. Powered by 2 " 0 " celis (not supplied). Shpg. wt., 3 lbs. 19 F 34066 Kit ress batteries. ..... Net 11.95 1.5 v "D" baftery (2 Req.)

19 F 62564
Net ea. . 15

# LAFAYETTE Solid State Modules <br> FOR HOBBYISTS, EXPERIMENTERS AND KIT BUILDERS 

\author{

- All Solid State $\quad$ As
- Completely Wired Low As
- Compact Modular Circuitry
}

Lafayette semiconductor modules are especlally designed for many educational, enjoyable, and useful projects. Each permanent module encapsulates the complete solld state circult required for each project, less accessories. Whith a few additionai simple connections to
accessories below such as batteries, speaker, etc., you create an enjoyable and practical device. Every module is carefully checked for rellable performance. Supplied complete with instructlons and parts list. Size: Approx. $13 / 4 \mathrm{~L} \times 11 / \mathrm{aW}^{\prime \prime}$. Shpg-wt., 4 oz .

## ELECTRONIC SIREN MODULE

Complete solld state electronic circultry ready for immediate use as a modern efficlent high volume siren. It will drive any 8 ohm P.M. speaker to a very high level of attention-getting volume with an upward scream and downward wall. Use with: A $H_{1}, 1$, . See accessory list below.
19 F 55053
Net 2.98

QURGLAR ALARM MODULE WITH SIREN ALARM Protect your home, car, boat, garage, etc., with this efficient burglar alarm module. Complete electronic circuitry with a built-in efectronic high volume upward screaming siren as the alarm sounds. Use with: A, H. I, K.

19 F 55061 $\qquad$ Net 2.98

ELECTRONIC LATCHINC RELAY MOOULE
For Momentary Break Contact to Operate Tamper-Proof "Lock-On" Switch, Ideal for Burglar and Emergency Alarms. Ready for immediate use as an efficient latching relay for controlied switching of a 6 volt D.C. power source into any secondary circult drawing up to $1 / 2$ amp. Any momentary breaking of contact at "momentary switch" will fire module "on" (supplying current to a secondary circuit) and will stay "on" until manualiy reset. Use with: A, I, K. 19. F 55079

Net 2.98

FM WIRELESS MICROPHONE MOOULE Ready for Immediate use as an efficient wiretess means of transmitting your volce over moderate distances within a home, from a high impedance microphone into any standard FM radio. Use with B, C, O, or $P$
19 F 55277
Net 2.98

## CB MICROPHONE PREAMP MODULE

Effectively Increases CB modulation for more dependabie communications. More than doubles the sensitivity and output of your microphone when powered by a $11 / 2$ volt battery. Use with: B, C, W, AA on accessory list. 19 F 55152

Net 2.98

## TELEPHONE AMPLIFIER MODULE

Compact module with complefe solid state circultry for use as a telephone amplifier. Permits group and conference Ilstening to any phone conversation. Use with: $\mathrm{A}, \mathrm{H}$, -. Y $n 0$.
19F55129
Net 2.98

## METRONOME MOOULE

An excellent aid for keeping-proper beat in music and dancing. Capable of reproducing beats at varying frequencies ranging from 40 cycles to over 300 cycles per minute. Use with: A, H, I, Z, DD.
19 F 55202
Net 1.98

PUBLIC AODRESS AMPLIFIER MODULE
Complete solid state circultry for immediate use as a public address amplifier and for use in portable high gain P.A. systems. Pro duces clear audlo signal sufficient for large rooms. Ideal for small gatherings and business meetling. Use with: $A, G, O$ or $P_{1}, Y, D D$. 19 F 55111 $\qquad$ Net 2.98

## SIGMAL INIECTOR MOOULE

for RF and AF Trouble Shooting
An efficient signal injector which generates a 2 Kc audio frequency signal with modulated radio frequency harmonics up to 30 Mc . Enables isolation of defective electronic stares. Use with: D, E.
stares. Use
19 F 55269
Net 2.90

AM WIRELESS MICROPHONE MODULE Transmit from your high Impedance microphone (crystal, ceramic, high impedance dynamic) into any AM broadcast band radio In your home. Meets FCC regulations. No license or registration is required. Use with: D, E, $O$ or $\operatorname{P}$, BB. See accessory list. 19 F 55228 Net 2.98

## DUAL FLASHER MODULE

For Auto Road Warning Lights, Window and Counter Dlsplay, Attention Getters, Model Train Grade CrossIngs Flasher, Emergency Boat Flasher, Blcycle Rear Wheel Flasher, Alarm Indicator, etc.
A complete solid state astable multlvibrator with a cyciing rate of about 100 times per minute. Use with: A, 2 ea. S, 2 ea. T. 19F55194

Net 1.98

## INTERCOM AMPLIFIER MOOULE

- low cost highly efficient intercom module that facilitates conversations between two separate and remote polnts. Use with: $A, L$ $\mathrm{U}, \mathrm{CC}$ and two H .
19 f 55137
Net 2.98


## BABY NURSE AMPLIFIER MODULE

Will amplify not only a baby's whimper, but even report his normal movernents and breathing in his crib. Use with: A, U, CC, and 2 ea. $H$.
19 F 55145
Net 2.98
BIRD CALL MOOULE
Bird Call Slmulator
Complete electronic circultry ready for im. medlate 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 F:55178
Net 2.98


## LAFAYETTE CONVERTER MODULES

## LISTEN TO POLICE,

 FIRE, AIRCRAFT, AND SHORTWAVE ON YOUR PRESENT AM SETNow you can have the thrill of listening to the exciting police broadcasts, the fire department calls, communications between planes and ground stations as well as international shortwave bands. Simple to connect to your present AM broadcast radio. Size: $11 / 4 \times 3 / 4 \times 1^{\prime \prime}$. Control extends $11 / 2^{\prime \prime}$. Shpg. wt. 402.

VHF POLICE ANO FIRE CONVERTER MODULE
Permits reception of police and fire calls in the $30-50 \mathrm{MHz}$ band on your standard broad. cast band AM radlo. Use with D, E, BB. See accessory list below.
19 F 552.5
Net 5.00

SHORTWAVE CONVERTER MODULE
Same as above but tunes 25, 31, and 41 meter bands (7-12 MHz.). Use with D, E, BB See accessory list below.
19 F 55301
1
Net 5.00

FM VHF POLICE AND WEATHER CONVERTER MODULE
Permits reception of $150-164 \mathrm{MHz}$ FM.VHF police, fire, emergency, marine and weather transmissions on a standard FM radio. Use with D, E, U, CC, BB. See accessory list below.
is F 55368
Net 5.00
aIRCRAFT CONVERTER MODULE
Same as above but for receptlon of 118 to 128 MHz . Band. Use with D, E. See accessory list below.
19 F 55293
Net 5.00

## ACCESSORIES FOR SOLID STATE MODULES ABOVE

| Stock Mo. | Price | Descriptlon | Stock No. | Price | Description |
| :---: | :---: | :---: | :---: | :---: | :---: |
| A. 32 F 48184 | 1.13 | Battery, 6 Volt Lantern |  | 5 |  |
| B. 99 F 62564 | . 15 | Battery, 11/2 Volt "D" | Q. 99 F 10340 | 1.49 | T |
| C. 34 F 50137 | . 31 | Holder for 8 | S. 32 F 66194 | 1.4 |  |
| D. 99 F 60212 | . 21 | Battery, 9 Volt | S. 32 F 66194 | 40 | Socket for $\$ 47$ |
| E. 99 F 62879 | 29 | Clips for D | J. 32 F 22510 | . 67 | Socket for Potentlometer, $5,000 \mathrm{hm} / \mathrm{SPST}$ Switch |
| F. 99 F 60329 | . 99 | Speaker, PM, 8 ohm, ${ }^{\text {² }}$ | W. 32 F 222510 | . 67 | Potentlometer, $5,000 \mathrm{hm} /$ SPSI Switch |
| G. 44 F 01030 | 4.95 | Speaker, PM, 8 ohm, ${ }^{*}$ | W. 32 F 22544 | . 67 | Potentiometer, $1 / 2$ Megohm with Switch |
| H. 32 F 22056 | 3.59 | Speaker, PM, 8 ohm, ${ }^{* *}$ | Y. 32 F 22551 | .67 | Potentiometer, 1 Megohm with Switch |
| I. 99 F 61509 | . 28 | Switch, SPST, On-Off | 2. 33 ¢ 11552 | 1.17 | Potentiometer, 2 Megohm |
| 1. 99 F 62184 | . 24 | Switch, SPST, Push-Button, Momentary, NO. | AA. 32 F 13071 | 1.17 | Microphone Cable, Shielded (Cut to 3 ft .) |
| K. 34 F 60029 | . 60 | Switch, SPST, Momentary, NC | 日8. 32 F 31909 | 49 | Wire, Antenna (Cut to less than 10 ft .) |
| L. 30 F 41241 | 1.41 | Switch, 4PDT | CC. 32 F 24052 | 15 | Knob, Miniature |
| 0. 99 F 45106 | 1.95 | Microphone, Lapel Crystal | DO. 32 F 24185 | . 15 | Knob |

## Descriptlon

A.

48184
C. 99 F 62564
C. 34 F 50137
D. 99 F 60212
E. 99 F 62879
F. 99 F 60329
G. 44 F 01030
I. 99 F 51509

1. 99 F 62184
K. 34 F 50029
2. 99 F $45106 \quad 1.95$

Price
.15

Battery,
Holder for B
Battery, 9 Volt
.99 Speaker, PM, 8 ohm, $3^{*}$
4.95 Speaker, PM, 8 ohm, $8^{\prime \prime}$
3.59 Speaker, PM, 8 ohm, $6^{\prime \prime}$

Switch, SPST, On-Off

Switch, 4PDT'
Microphone, Lapel Crystal

Switch, SPST, Push-Button, Momentary, NO.

Stock No.
P. 99 F 45437
$\begin{array}{lll}\text { Q. } 99 \text { F } 10340 & 1.49 \\ \text { S. } 32 \text { F } 66194 & 15\end{array}$
S. 32 F $66194 \quad 15$
f. 32 F 22510
W. 32 F 22544 . 67
7.32 F 22551
1.17
.15
1.17 Microphone Cable, Shielded (Cut to 3 ft .)

49 Wire, Antenna (Cut to less than 10 ft .)
.15 Knob, Minlature

## Description

icrophone, Hand Held/Desk Crystal Pickup Coil
za7 Pilot Sket for \#47 Bulb Knob


## (A) AM BROADCAST RADIO KIT

Learn as you build this fun-giving AM broadcast radio. Ingenious solld state circuitry uses a novel 2 transistor audio-reflex circuit with diode detection. Gives high gain at very low current drain. Complete with all parts. case, earphone and Instructions. Supplied with matching transformer to permit use as an $A M$ tuner. Powered by a single 9 volt battery. $3 \times 2 \times 11 / 4^{\prime \prime}$. Shpg. wt., 1 lb . 19 F 70029 less battery

Net 4.95 99 F 60212 battery

Net .21

## (B) AIRCRAFT RECEIVER KIT

Listen to airplane to ground communications. Will plck up and amplify the strangest sig. nals in its vicinity in the 100 to 200 MHz range. Has 3 -stage high gain amplifier. Circuitry incorporates a passive defector that does not radiate signals. Does not interfere with alrcraft navigational systems. Telescoping antenna. Supplied with earphone. Unplugying earphone disconnects power. Powered by a single 9 volt battery. DC Size: $3 \times 2 \times 11 / 4^{\prime \prime}$. Shpg. wt., 6 oz .
19 F 10086 less Battory 99 F 60212 Battery
(C) AM WIRELESS MIKE KIT

Transmits through any standard AM radio. Can be located up to 50 ft . away from set. Basic 2transistor circuit. Frequency varied by tuneable coil. Complete with crystal mike and telescoping antenna. Size: $3 \times 2 \times 11 / 4^{\prime \prime}$. Shpg. wt., 6 ol.
15 F 70094 Less Battery
Net 7.95
95 F 60212 9v Battery
Net 21

## (D) 5-WATT UNIV. AMPLIFIER KIT

Excellent as a portable amplifier, guitar amplifier, etc. Complete with all parts, case, volume control, and Instructions. Works on a 6 -voit battery or power supply. Will accept atmost any type of pickup device, i.e., phono cartridge, tuner, etc.; will work with any 3 . ohm to 16 -ohm PM speakers. $3^{\prime \prime} \times 2^{\prime \prime} \times 1 / 8{ }^{\prime \prime}$. 19 F rooll Shpg. wt., 1 ib

Net 5.95

## 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

## TV.FM BOOSTER KIT

An Interesting useful kit that will give a signal beost of up to 10 db when properly assembled. For color, black and white and FM. Win also help color reception on indoor antennas. Complete with matching colls. printed circuit board, all parts, plastic case, and instructions. $4 \times 3 \times 11 / 2^{\prime \prime}$

19 F 70052 Shpg. wt., 9 oz.
Net 9.95

## FM WIRELESS MIKE KIT

Transmits your voice to be picked up by any standard FM radio. 2.transistor circuit with an audio modulator and R.F. oscillator. Frequency controlled by external trimmer condenser. Complete with mike and tetescoping antenna, Size: $3 \times 2 \times 11 / 4^{\prime \prime}$. Shpg. wt., 1 lb.
19 F 70102 Less Battery __ Net 8.95
99 F 60212 9V Battery
Net .21
trigger off an alarm when used with a special transformer and AC supply. Touch. ing a door knob or other chosen part switches circult onl $4 \times 3 \times 17 / /^{\prime \prime}$.
19 F 70045 Shpg. wt., $1 / 4 \mathrm{lb}$.
Net 6.95

## MOD-U-KIT PSYCHEDELIC LIGHT KITS

## FREQUENCY CONTROLLED 3-CHANNEL PSYCHEDELIC CONTROL CENTER KIT

## $24^{95}$

- Frequency Controlled 500 Watts Per Channel - 1500 Watts Total

A 3-channel sound to light control center providing frequency separation of the incoming sound into 3 parts: low frequencies 60 Hz to 1 hHz , medium frequencies - 1 $\mathbf{k H z}$ to 3 kHz , high frequencies - $\mathbf{3} \mathrm{kHz}$ to 15 kHz . Uses triacs to control 500 watts of Hight per channel for a total of 1500 watts. Each channel has its own sensitivity cont trol and an AC outlet. Dn/off neon panel indicator. Size: $5 \times 41 / 2 \times 21 / 2^{-1}$.
19 F 70185 Shpg. wt., 2 lbs.
Net 24.95

## 3-CHANNEL PSYCHEDELIC CONTROL CENTER KIT



- Responds to Intensity of Sound - Provides 500 Watts Per Channel 1500 Watts Total

Converts audio signals to 1500 watts of avallable extemal psychedelic lighting. The autio input signal is directiy applied to 3 separate SCR's. Has 3 indivldual sensitivity controls for 3 separate channels each capable of accommodating 500 watts of external light. Housed in walnut finish afum. Inum case. Size: $5 \times 4 \times 212^{\circ}$
19 F 70169 Shpg. wt., $11 / 2$ Ibs. .... Net 12.95

## 2-CHANNEL STEREO PSYCHEDELIC COLOR CONTROL KIT



- Converts Each Channel to 500 Watts of Psychedelic Light - 1000 Watts Total
A stereo sound to light converter kit in one unit. Has two individual channels separately responsive to the intensity of the sound in each channel of the stereo sound source. Uses triacs to provide 500 watts of controlled lights from each channel for a total of 1000 watts. Has separate intensity controls and separate input and output receptacles. Has neon on/off panel light and is fused internally. Size: $5 \times 41 / 2 \times 2 \frac{1}{2} 2^{\prime}$
19 F 70193 Shpg. Wt., $11 / 2$ los. .... Net 24.95


## SOUND TO LIGHT CONVERTER KIT

- Supplies 100 Watts Of Psychedelic Lighting!
$5^{95}$

Accepts sound from any radio; hi-fi, phono, or any amplifier and changes these direct audio signals to light keying signats. In addition to 4 colored pilot light indicators plugged into the unit, an AC socket supplies 100 watts of external psychedelic lighting which varies with the sound, Shpg. wt., 1 ib 19 F 70151


## 095 ELECTRONIC STROBE KIT

This electronic strope converts a 100 watt incandescent bulb into a strobe type lighting unit which gives eerie stopmotion and lightburst effects for light shows. An adjustable frequency audlo oscillator and SCR circuit controls the lamp. The pulsations can be varied from fast to a one pulse per second slow rate. Powered by a 9 volt intemat battery (not supplied).
19 F 70177 Wt. I lb.
99 F 60212 9V battery


## Solid State Audio Amplifiers, Tuner and



A more powerful and sensitive verstion of the 4 -transistor amplifier on right, this amplifier employs 3 stages of audio driving a push-pull output stage. Power output is 360 mw , designed for speakers with a volce coil impedance of 8.11 ohms. Low impedance input has sensitivity of 300 microvolts. Input transformer for matching high impedance to the amplifier input avallable as an accessory (see below). Comes with leads for low impedance input, speaker, volume control on-off switch. Battery clips and leads supplied for 9 volt miniature battery (one required). Imported. Snpg, wt., 502.
99 F 90375 Use with access. below. A, D, H, or 1, and J. .... Net 5.05
1-WATT 4-TRANSISTOR PUSH-PULL AUDIO AMPLIFIER

- 1-Watt Power Output
- 4-Transistors plus Varistor
- Completely Wired-Easy to Connect - Sturdy Printed Circuit Construction Audio Output Transformer

One of our most powerful miniature amplifiers. It has many direc, uses in audio frequency applications for tuners, lest equipment, etc. Push-pull circult is very sensitive and has an output of 1 -watt! Using only 4 transistors, it requires a $\mathbf{1 2}$-volt source supplied by $\$$ tandard ' $D$ ' cells in series. Outputs from record players with magnetic cartridge, tape heads, microphones, etc. (not exceeding 20 millifvolts) ran be connected directly. Higher output devices may be easily connected with a resistor in series. Components are neatly layed out on a printed circult board with pre-drilled holes for mounting the entire unit In a vertical or horizontai position. Built-in leads are supplied for a volume control, on-off switch, battery and g ohm loudspeaker. Dimensions: $47 / 8 \mathrm{~L} \times 14 / 2 \mathrm{H} \times 21 / 4 \mathrm{NW}$. Imported. Shpg. wt., 12025.
99 F 90383 Use with accessories B and C below.
Net 6.95

## TRANSISTORIZED MINIATURE AMPLIFIER AND TUNER APPLICATIONS



Not Found Elsewhere!
By Rufus P. Turner
96 Pages . . . 56 Circuits 73 lliustrations 96 Pages

An inspiring new book written by a registered professional engineer and author. veals primarily with 56 chaflenging and interesting applications of the Lafayette transistorized miniature amplifiers and tuner described on this and facing page. 6 chapters . . . Audio, Ampllfier \& Citizens Band, Controls, Tes Instruments, Tuner, Hearing Aids, Intercoms, etc. 96 pages with 73 illustrations. 10 F 01049 shpg. wt., 6 oz.

## 4-TRANSISTOR SUBMINIATURE PUSH-PULL AUDIO AMPLIFIER



A tiny transistorized push-pull audio ampllfier with a multitude of applications, Only $3^{\prime \prime} \times 1 \mathrm{~h}^{\prime \prime} \times 1 \mathrm{~K}_{0}{ }^{\prime}$, It can be mounted inside other equipment to serve as a subminiature phono amplifier, lape recorder amplifier, etc. Two stages of audio are followed by a push-pull output stage designed to deliver 100 mw to an 8.11 ofm impedance, Low impedances input, with a sensitivity of 0.9 mv . Input transformer for matching high impedances to the amplifier available as an accessory (see below). Includes leads for input, speaker, and volume control/on-off switch. Battery clips and leads supplied for 9 -volt miniature battery (one required). Imoorted. Shpr, wt., 502. 99 F 90425 Use with access, below. A, E, H, or I, and J. .... Net 4.95

## 3-TRANSISTOR SUBMINIATURE AUDIO

 AMPLIFIER

- Printed Circuit
- Complete with Transistors

Here is an amazing little audio ampilfier with a multitude of challenging applications; lie, subminiature phono amplifier, tape recorder amplifler hand-held public address amplifier telephone pick-up amplifier, etc. Output sufficient for average listening. Has leads for any one of the following inputs: Tape recorder record/playback heads, radio-tuner, crystal or ceramic phono cartridge, and crystal or ceramic microphone. Has lead terminations for ON-OFF switch, Volume Control, 4 to 10 ohm speaker, and leads terminating in clips for a 9 -volt minhature battery. Size: $2^{11} \times{ }^{2} \times 11 / 4 \times 3 / 4{ }^{\prime \prime}$. Can be readly mounted on chassis. Imported. Shpg. wt., 402.
99 F 90391 Use with accessories A, C, F, and G below.
Net 3.75

## ACCESSORIES FOR AMPLIFIERS AND TUNER ON THIS AND FACING PAGE

A. 99 F 60212* 9 volt Battery 30z............................. 21
B. 99 F 62564* "0" Cell Battery 5 02. ..............Net ea. . 15
c. 5,000 0hm volume Control/Switch/Knob. 2 oz . 99 F $50196^{*}$

Net
.59
d. 32 F $22528^{\circ} 10,000 \mathrm{ohm}$ Volume Control/Swltch Net .67
E. $\quad \mathbf{1 0 0 , 0 0 0} \mathbf{O h m}$ Volume Control/Switch. $3 \mathbf{0 z}$. 32 F 22536"

Net .67
F. 99 F $4509{ }^{\circ}$ Crystal Microphone. 2 oz.
G. 99 F $60972^{\circ}$. $242^{\prime \prime}, 10 \mathrm{Ohm}$ Speaker, 802.
H. 99 F $60329^{*} 3^{\prime \prime} .8^{\prime} \mathrm{onm}$ speaker. 2 oz.

Net .99
b. Matching transformer (high impedance to amp.) 99 F $60345^{\circ}$ Wt., 202.

Net . 99

- Imported


# Accessories For Experimenter and Hobbyist 

## 1 WATT, 4 TRANSISTOR, DIRECT OUTPUT PUSH-PULL AUDIO AMPLIFIER

 - 1 Watt Push-Pull Power Output695 - 4 Transistors Plus Thermistor - Completely Wired-Easy to Connect - Direct Output-8 and 16 Ohms

Amazingly powerful miniature solid state audio amplifier with many direct uses in audio frequency applications for tuners, test equipment, as a phono amplifier, tape recorder amplifier, public address or telephone pick-up amplifier, etc. Push-pull ctrcuit has an output of 1 watt. Using 4 transistors and a thermistor, it requires a single 9 volt battery. Direct output into 8 or 16 ohm speakers for minimum distortion. Can be readily mounted on chassis. Dimensions: $47 / 8 \mathrm{~L} \times 11 / 2 \mathrm{H} \times 21 / 4 \mathrm{wW}$. Shpg. wi., 6 oz, Imported.
99 F 90979 Use with accessories A, E, and M. (See p. 208.) Net 6.95

## 3 WATT 4 TRANSISTOR PUSH-PULL AUDIO AMPLIFIER



A teluxe 3 -transistor subminiature AM broadcast tuner that features 3 dependable transistors, 3 IF plus 1 oscilliator transformer, and ferrite antenna in an efficient, completely wired superheterodyne cirsult on a sturdy printed-circuit board.
Now you can bulid your own nighly efficient broadcast recelver by simply adding this exceptional tuner to any of the transistor audio ampliflers listed. The iong tumer leads for connecting to external amplifier and/or to a separate 9 -volt battery, makes this easy as Die. Also features a large cleariy visible calibrated tuning dial. The printed circuit board layout permits either vertical or horizontal mounting. Supplled complete with mounting brackets and detailed instructions. Size: $4 \times 1 \neq 4 \times 2^{\prime H}$ with brackets. Imported. Shpg. wt., 7 oz.

## 99 F 90409

Net 7.95
ADJUSTABLE POWER SUPPLY KIT


This simple-to-bulid power supply is ideal for any application requiring a low voltage $D C$ source of power to be used as an alternative to batterles. Plugs into regular 110 volt AC current and dellvers DC voltage which you can adjust from 0 to 12 volts at a current drain of up to 500 ma . A neon indicator light is supplied to indlcate If the 110 AC power is on. Uses a special transformer that supplles approximately 16 VAC to a full wave bridge circult. The DC produced is fed ?nto a special dual transistor filter and regulating circuit. The base voltage of the first transistor is made variable by means of a control. Size: $4 \times 4 \times 11 / 2^{\prime \prime}$.
19 F 70110 Shigg. wt., $17 / 4$ los.
Net 12.95

A mighty amplifier with 3 watt push-pull output which fits in the palm of your hand and welghs less than 6 oz! This versatile general purpose ampllfier suitable for phono amplifier, public address, intercom, monitor modulation, test equipment and a host of other uses. Sensitive 4 transistor push-pulf circultry has 3 watt output, require. ing a 9 volt DC source. Frequency response $150-10,000 \mathrm{cps}$; input impedance 2,000 ohms; Output impedance 8 and 16 ohm termina. thons. Components neatly lald out on printed circuit board with pre. drilled holes for horlzontal or vertical mounting. Heat sink for power transistors. Dimensions: 3L $\times 2 \% / 6 \mathrm{~W} \times 1 \%,{ }^{H} \mathrm{H}$. Imported. Shpg. wt. 8 oz .
99 F 91324 Use with accessories: D, and H. (See p. 208.) _ Net 7.95

## METAL DETECTOR KIT

- Gives Positive Variable Audible Signal Indicating The Presence Of Buried Coins And Metal Objects
- Locates Both Ferrous Metals (Iron, Steel, Tin) And Non-Ferrous Metals (Gold, Silver, Copper)

Pays for itself many times over... opens up a whole new world of excitement and adven ture! Electronically detects buried melal objects as small as a half-dollar up to $6^{\prime \prime}$ beneath the ground: gold, sliver, coins, anything metallic. No meters or diais to check; solid-slate circuitry ( 5 -transistors) gives positive audible dow frequency beat heard through a bulit-In $21 / 4^{"}$ speaker whenever a metal object is approached. Beat intensity increases when the "Treasure Hunter" draws nearer the object. Practical for home and public utilities (Gas and Telephone servicemen) too. Helps locate plumbing inslde walls, or, find pipes in yard or garden before digging. Super sensitive detector coll is shock and heat resistant. Special shield Increases sensitivity, prevents false indicatlons. Lightweight and easy-to-use. Complete kit includes collapsible handle for easy storage; all parts and easy-to-follow assembly instructions. Uses single 9 -volt transistor battery. Dimensions-Overall Length: $40{ }^{*}$; Length of Handle: $36^{+}$; Housing $9 W \times 11 / 2^{* D}$. Imported. Shpg. wt., $21 / 2$ lbs. 19 F 66175

## only $29^{95}$

Net 29.95
99 F 60212 Extra 9-volt Battery. Shpg. wi., 302.
Net 21 Locate pipes inside

# EICOCRAFT Solid-State Kits 

## * EASY <br> $\star$ FAST <br> $\star$ educational <br> NO TECHNICAL KNOWLEDGE OR EXPERIENCE NECESSARY

$\star$ USEFUL

## MINI COLOR ORGAN KIT



## $14^{95}$

EC-3800. Converts your favorite music to an entertaining display of multicolor 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., $11 / 2 \mathrm{lbs}$. 19 F 66183

Met 14.95

## TREASURE FINDER <br> 

EC-1900 Battery operated beat-fre. quency metal tocator can be used to locate both ferrous (iron, steel etc) and non-ferrous (gold, sitiver, 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. Shipg. wi., 6 oz. 19 F 66100

Net 9.95

## CODE OSCILLATOR KIT

EC. 1000 Two transistor code practice oscillator produces strong. sharp tones. Can be used as monitor by paralleling an existing transmitter key. Other uses as bicycle horn, doorbefl, entry signailer, etc. Use with $B$, D and E. Shpg. wt., 402.
19 F 66050
Net 2.50

## ELECTRONIC BONGOS KIT

EC. 1600 . Efectronically produces exciting percussive sounds of bongos. tomtoms, bass drum, marimba, gongs, etc. when used with amplifier and speaker. Ideal accessary for use with electronic gultars. Mounts on or near instrument. Use with B. Shpg. wt., 5 oz. 19 F 66084

Net 7.95

## ELECTRONIC EYE

ES-2200. Sensitive that dependent resisfor (LDR) defects IIght, amplifier boosts the signal and triggers a sensitive refay which latches on of off. Can be used to control bell, buzzer, light or appllances. Use with A. Shpg. Wt., 602.
19 F6.6217
Net 9.95

## VOICE-OPERATED SWITCH KIT

EC.1300. An audio-activated relay amplifier for audio remote control of such de. vices as tape recorder, radio, TV, etc. Activated by music as well as voice. Provides variable time delay (adjustable). Use with B. Shpg. wi., 6 oz.

19 E66167
Net B.95

## 2 STATION INTERCOM KIT


$10^{95}$

EC-3100. Sensitive battery-operated 2 station (talk-back) intercom system permits room-toroom and front-door communication. Master and remote stations have convenient beeptone call signal. Complete kit of all parts includes battery, $50-\mathrm{ft}$. of wire and connectors, and molded plastic cabinets.
19 F 66191 Shpg. wt., 1 lb.
Net 10.95


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 MHz . No license or age requirements. Complete with telescoping antenna. Use with A. Shpg. wt., 6 oz.
19 F 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. wi., 5 oz.
19 F 66126
Net 7.95

## FM RADIO KIT

EC-1400. Receives the FM broadcast band from 88-100 MHz. May be used as a private fistening personal radio with earphone supplied, or as an FM tuner when coupled with audio amplifier such as EC-300. Use with B. Shpg. wt., 6 oz.
19 F 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 gultar amplifier with ONOfF slide switch which mounts on guitar. Use with A. Shpg. wt., 602.
19 F 66159
Net 8.95

## AC POWER SUPPLY KIT

EC-900. Transformer operated fullwave bridge rectifier power supply converts house current (110-125 V AC) to 6V DC. It can pow. er all Eicocraft kits using 6 V batteries, elim. inating battery operation and converting to AC use. Shpg. wt., 1302.
I9 F 66076
Net 8.95


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 Iline cord. For 115 VAC 60 Hz .
19 F 66209 Shpg. wt., 12 oz.
Net 13.95


EC. 2000 Battery operated one octave ( 8 tones) electronic organ. Supplied with a built-in preampliffer. 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 F 65118

## 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 F 66134
Net 7.95

## AUDIO POWER AMPLIFIER KIT

EC-300. General purpose 2-watt audio ampIlfier. 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 haifing. Use with 8 and E. Shpg. Wt., 502. 19

Net 5.95

## ELECTRONIC "MYSTIFIER" KIT

EC.700. A fascinating "do nothing" relaxation osclilator circuit of 6 blinking lights whose random geometric sequence of blinks you control. An ideal conversation plece for' desk. den or mantle. Use with C. Shipg. wt., 5 oz.
19 F 66035
Net 4.95

## EICOCRAFT KIT ACCESSORIES

A. 99 F 60212 Eattery, 9 voit ..... Net 21
8. 32 F 481846 V . Lantern Batt. ... Net 1.13
C. 32 F 48515 Eattery, 90 Volt ...... Net 3.27
D. 99 F 25546 Telegraph Key

Net .79
E. 99 F 603943.2 』, $21 / 2^{\prime \prime}$ spkr. .... Net . 99

## For Suitable Enclosures See page 295

## Educational Science Specialties

PORTER DELUXE MINERALOGY SENIOR LAB OUTFIT
$9^{95}$

- Alcohol Lamp With Blowtorch - 24 Mineral Specimens
- Geologist's Hammer


The ideal mineralogy lab kit for the junior pealogist to determine the various mineral types. In addition to 28 selected mineral specimens, the set includes the necessary scientific instruments. Contains a geologist's hammer for dislodging specimens, an alcohol lamp with blow torch attachment, magnifler for examining surface and crystaliine structure of minerals, tweezers, chemicals and test papers, test tube rack, charcoat block, streak plate and detalled instruction manual. Wall size identification chart lists nearly 200 minerals. Three-panel metal cabinet. Shpg. wt, 7 fbs.
19 F 34017
Net 9.95

PORTER WEATHERCRAFT FORECASTING LAB


- Build and Use Barometer, Wind Vane, Psychrometer and Rain Gauge
- Forecast Weather Accurately

11
Be your own meteorologist and simply forecast the weather. This deluxe weather laboratory kit contains every instrument necessary for extremely accurate weather prediction. Includes: a wind vane to show wind direction and an anemometer to glve 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 detalled weather map and cloud chart. A gauge measures rainfall to $1 / 100$ th inch, and a detalled manual shows how to make accurate forecasts. Three-panel metal cabinet. Requires 2 " $C$ " batteries, not supplied. Shpg. wt., 6 lbs.
19 F 34009 Less batterles
Net 11.88
99 F $62572 \quad 1.5 v \mathrm{C}$ battery ( 2 required)


## weather station kit

Fun to erect and fascinating to use, this weather station kit operates with flashing ineon lights to show wind speed and direction on indoor Indicator board. Includes a sensitive alr tank barometer with 4 - ft . in. dicator 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. $31 / 4 \mathrm{lbs}$ 19F30023

Net 9.95

## SKY ROVER CRYSTAL RADIO KIT

## $2^{75}$




Easy to assemble, brings in loud, clear reception. Precision wound tuning coil, supersensitive crystal bakelite cabinet. No batteries or electricity required. Complete with earphone with plastic ear-holder, antenna lead-in wire, and hardware. Requires external antenna (not supplied). Shpg. wt.. 1 lb .
19 F 58024
Net 2.75
32 F 30984 Antenna kit. Wt., 1/4 lb. Net 2.35

## MOVATRON <br> a scientific instrument for the experimenter <br> - Miniature Atom Smasher <br> - Produces 75,000 Volts <br> - Absolutely Safe Completely Wired (Not A Kit)

 A scientific instrument capable of producing 75,000 volts makes sparks up to $2^{\prime \prime}$ longyet it is absolutely safe because the current is infinitesimal. The science-teacher-science tover 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 F 90086 Shpg. wt., 4 lbs. ...... Net 13.95

> GILBERT LIFE SCIENCE MICRO-BIOLOGY LAB KIT


Features die-cast metal 75X microscope for proper magnification of specimens in home or field study. Materials supplied to grow and observe live protozoa and brine shrimp. Includes preserved specimens of frog, crayfish, earthworm, grasshopper and fish. $\$$ prepared specimen slides provided. Kit also includes dissecting instruments (scissors, scalpel. etc.), materlals for slide preparation and study manual, Shpg: wt., 5 lbs. 13 F 34041


Ingenious kit for studying some basic nuclear physics by experimentation. See the vapor trails of alpha and beta particles, and of cosmic rays, Shows exploding atoms. Ino struction book covers such experiments as detecting radioactlvity with a cloud chamber, with a spinthariscope, and with radioautographs; checking radioactivity with an electroscope, defecting ionization and cthers, Kit includes radioactive materlals. Shpg. wt. $31 / 4$ tbs.
19 F 30015
Net 8.95

## 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 identification. Imported, Shpg. wt., $11 / 2$ lbs.
99 F 71557
Net 2.50
SET II Includes additional specimens of some of above plus carbonates, tantaline, phosphates, and gemstones. 48 specimens. Imported. Shpg. wt., $1 / 2 / 2$ tbs.
99 F 71565
Net 2.95
Special Combination. Buy both sets and save. You get all 96 specimens. Shpg. wt. 3 lbs.
99171573 M
. Net 4.50

# Rock Polishers \& Specialty Items 

> GEM STONE TUMBLING AND JEWELRY MAKING KIT

- Grinds and Polishes Rocks and Gem Stones
Complete Outfit, Nothing Else to Buy


Here is your opportunity to enjoy the fascinating craft of gem polishing. Kit includes MiniTumbler, $21 / 2 \mathrm{lb}$. load capacity drum and liner, 3 grades of abrasive grits plus polishing medium, assorted jewelry mountings (tie clasp, earrings, etc.), jewelry glue, and assortment of rough, exotic and aztec stones. Motor operates on 115 VAC , with built-in circuit protection. UL Iisted. Everything you need to go from "rocks" to "jewelry" 15 F 58006 Shpg. wt., $133 / 4 \mathrm{lbs}$.

Net 23.95

## ACCESSORIES FOR TUMBLERS

Stones. 1 lb , pkg. of Oregon Beach Agate and Jasper. Shipg. wt., $1 \mathrm{l} / \mathrm{lbs}$. 15 F 44030.

Net 1.89
Deluxe Rough Stone Assortment. Approximately 200 agate and rose quartz, tiger eye, jasper, etc. Exotic colored rock is from all over the world; will pollish to a jewelry like finish.
15 F 58014 Shpg. wt., 3 lbs.
Net 5.95
Grit and Polish Assortment Kit. Provides everything needed to pollsh rocks. Packed in resealable plastic contalner. Each kit contains graded silicon carbide grit and fine polish compound for fast grinding and fine finishes. Each set will process 14 lbs . of rock.
15 F 58022 For Smooth Rocks, 3 step. Shpg, wt., $31 / 2 \mathrm{lbs}$. 15 F 58030 For Rough Rocks, 4 step. Shpg. wt., 5 tbs.
 steel hexagonal drum has a 12 pound ( 9 pints) capacity. Features an overload protected, continuous duty fan cooled motor...runs over $50^{\circ}$ cooler. Shuts off automatically when motor overheats. Prevents burnt-out motor should power tail or circuits overload. Neoprene gasket and rubber double seal prevents leakage and gas build-up. Sturdy wood grained steel base covers protect motor from dirt and grit. Easy to clean. Shpg. wt., 23 lbs. 15 F 5 B055 No Money Down*


## ALL-TRANSISTOR BULL HORN



- Range up to 400 teet - Weighs only $21 / 2 \mathrm{lbs}$.
- For Hunting, Camping, Boating, Sports

A futly transistorized directional megaphone at Lafayette's low price. Lightweight. it carries your voice over 100 yards or above noise. Just press the trigger and talk. Features variable volume control and carrying strap. Uses 4 -standard "D" cells (not supplied with unit). 11" long. Shpg. wt., 2 lbs.
44 F 15097
$11 / 2$-volt $D$ batteries, 4 required. Imported. Shpg. wt., 407.
Net 8.95
Net ea. . 15
212 Lafayette Cat. No. 710
NORELCO MECHANICAL ENGINEER KIT ${ }^{\text {Net }} 4.95$


## ony $29^{95}$

- Over 600 Parts - Over 30 Projects - For Age 9 up

Consisting of over 600 components, this hit promotes understanding of fundamentals of sources of energy such as mechanical, water pressure, alr pressure, gravity, and electro-mechanical. Buitds any one of 32 educational operating models including electrical windmill. water turbine with dynamo, compressed air motor with pump, crane. electric plle driver, water pump clocks, etc. Absolutely safe, powered by inexpensive 1.5 V batteries, Components are unbreakable, easily identiflable, machined plastic parts Includes 136 page illustrated instruction manual. Size: $213 / 4 \times 10^{3 / 6} \times 13 / 4^{\omega \prime}$. Imported. Shag. wt., 6 lbs.
19 F 63024 Less Batteries
This high quality Hamliton gold plated 38 piece jewelry finding assortment enables you to mount your semi-precious stones that have been polished. Makes earrings, tie clasps, bracetets, cuff links, key ring, tie tack, necklaces, adjustable finger ring, etc. from these commercial findings. Kit also contains jump rings, bell caps and a tube of jewelers on-off cement-everything you need. Shpt. wt., $70 z$.
THUMLERS TUMBLER
 rocks to a sleek, gleaming gem-like finish. Use them for decoration, put in settings, etc. Tumbling machine has two side by side barrels with a total capacity of approx. 6 lbs. of stones. This is not a knock-down kit, but a completely assembled unit ready to run with powerful continuous duty motor that operates on standard 110 VAC current Size: $7^{\prime \prime} \times 9^{\prime \prime} \times 11^{\prime \prime}$. Complete with cans, but less grit and can liner. See listing on left for additional accessories. Shpg wt., 71/4 lbs. 15 F 44014

Net 18.95
Accessory pack. Asst. of coarse and fine grits, pre-polish and polish, and liners for above drums. Shpg. wt., 21/2 bbs.
15 F 44022 .............................. Net 2.95
Entra Cans For Above Tumbler.
15 F 44048 Shpg. wt., 8 07.... Net ea. . 39 Extra Mubber Liners For Above. (Plge. of 2). 15 F 44055 Shpg. wt., 8 02. .......... Net . 89

JEWELRY MAKING KIT

$\qquad$



For Mounting Polished Stones


Net 29.95

- See Page 11 for fiull Ciredit Details on Easy Pay Plan


## Hobby Kits \& Specialties



The visibie V-8 is a superb guide to the study of the internal combustion 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 pistons, connecting rods, rocker arms and properly timed spark plugs can be observed. Powerful permag motor activates over 100 moving parts. Powered by two " C " batteries (not supplied). Complete with polystyrene cement, hardware, screwdriver, and illustrated instruction manual which detalls how an auto engine works. Shpg. wt., 5 lbs.
19 F 69005 Complete Kit Less Batteries
Net 9.95 99 F 625721.5 V "C" battery, (2 required)

Net ea. . 14

## GILBERT DELUXE GRADUATE CHEMISTRY MODULAB KIT



- Full Range of Chemicals and Supplies - File Cards for Over 700 Ex periments 195 - Six Modular Laboratory Storage Racks Conduct over 700 experiments in chemical gardening, analytical testing, thermal chemistry, chromatography, chemical magic and many more. Six modular storage racks hold complete set of chemicals and supplies. Advanced equipment includes precision lab scale, mortar and pestle, hydroponics tray, alcohol lamp, test tubes, etc. Project file cards provide detailed instructions and operating procedures. Shpg. wt., 93/4 lbs.
19 F 34058
Net 14.95


## PHOTOGRAPHY DARKROOM LAB WITH ENLARGER



- Complete Darkroom - Photo Enlarger, Contact Printer, Outfit 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 negatives up to $31 / 2 \times 41 / 4^{\prime \prime}$, twin condensing lenses and G.E. projection Jamp. A complete photo lab in one kit. Shpg. wt., 4 lbs. 19 F 30031

Net 13.95


As Low - Looks And Performs Like The Real Thing As - Safe, Non-Flammable Non-Toxic Propellant $9^{95}$ - Altitude Capability Over 1000 Feet - Reusable With Parachute Recovery

## VALKYRIE-2 ROCKET KIT

- Launched Mechanically or Electrically

Here is an authentic, educatlonal and yet entirely safe rocket kit for modelers and hobbylsts 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 slowiy 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 kit includes rocket, engine, timer, separator, parachute, balsa nose cone, fins, loađing value and hose, electric firing assembly, launch stand, one can of propellant. accessories and instructlons. Size: $181 / 2^{\prime \prime}$ long $\times 1^{\prime \prime}$ dia.
19 F 75010 complete rocket kit. Shpg. wt. $23 / 4$ lbs. 15 oz . can of propellant, sufficient for 3 launchings 19 F 15028 Shpg. wt., $11 / 2 \mathrm{lbs}$

Net 12.95
Net 2.00
6-Volt battery for electrical launching
32 F 48184 Shpg. Wt.。 1 14 lbs.
Net 1.13
Replacement ignitor wire for electrical launching.
19 F 75036 Shpg, wt., 3 oz.
Net .35

## VIKING TWO STAGE ROCKET KIT

The Viking is a complete, high performance, functloning two stage rocket with staging mechanism for in-flight separation. The first stage boosts the rocket to about 75 feet where a "burn-out" signal triggers the second stage engine. This accelerates to a velocity of 300 feet per second ( 200 miles per hour) white the first stage drops away. This velocity carries the second stage well over 1000 feet, where a parachute is automatically deployed to return it. All parts are recovered for future llights. Both engines are the same-reload. able, highly polished aluminum construction, pre-assembled and factory tested, each using 2 ounces of propellant per flight. The kit is complete including launcher, 15 ounce can of propellant, clear. concise Instructions and a bookled on the principles of multi-staged rockets. Size $20^{\prime \prime}$ long $x 1^{\prime \prime}$ dia.
19 F 75051 Complete Kit. Shpg. Wt., $31 / 4$ lbs
Net 14.95
15 oz can of propellant sufficient for 3 launchings.
19 F 75028 Shpg. wt. $11 / 2 \mathrm{lbs}$
Net 2.00

## BARON ROCKET PLANE KIT

The bright red Baron Rocket Plane is a combination of a rocket and a plane. The rocket carries the plane up hundreds of feet, then catapults the plane free, at the helght of its flight. While the Baron glides high in the sky, the booster rocket parachutes to earth. The aluminum booster rocket engine uses a non-flammable, non-explosive aerosol propellant and may be launched alone. The kit is complete with factory assembled and tested engine, fins, nose cone, parachute, 7 oz. can of propellant. decals, etc. and clear illustrated instructions. Size: $22 \frac{1 / 2 " \prime}{2}$ long x $1^{\prime \prime}$ dia. Shpg. wt., $21 / 2 \mathrm{lbs}$.
19 F 75069 Complete rocket plane kit
Net 9.95
15 oz . can of propellant.
19 F 75028 Shpg, wt. $11 / 2 \mathrm{lbs}$.

## Experimenter, Semiconductor, <br> REI INTEGRATED CIRCUIT PROJECT KITS <br> пел IC VARIETY PACK

 - TRAic Prolect Ku Two-Channel Mixer


Requires only soldering iron. Project kits come complete with:

- Active and passive components
- Predrilled printedcircuit boards - Assembly instructions

KC4000 Microphone Preamplifier. Build a high-gain, low nolse, wideband preamplifier for both low and high Impedance microphone inputs. Shpg. Wt. 807.
19 F 43752
Net 5.95
KC4001 Two-Channel Mixer. Combine two input signals into single output. Channei inputs from two microphones into a tape recorder or combine any other two phone, radio. or microphone signals into one output. 19 F 43760 Shpg, wt., 8 oz.

Net 6.50
KC4002 Audio Oscillator. Use as code-practice osciliator or to test amateur radio trans. mitters or hi-fi and other audio equipment. 19 F 43778 Shpg. wt., $802 . \ldots . .$. Net 4.95
KC4003 Oscillator and Amplifier. Bulld a 500 mW audlo amplifier or a variable-tone audio osciltator. Use in portable PA systems or in applications that require a low-power, portable amplifier.
19 F 43786 Shipg, wt. 8 oz
Net 8.95
KC4500 Kit Enclosure and Hardware Pack. A handsome, sturdy case with input and output Jacks, switch and other hardware. Especially designed to provide the bulider with a functional enclosure for their projects. Use with Kits KC4000, KC4001 and KC4002.
19 F 43794 Shpg. wt., 8 oz.
Net 4.75
KC4004 9 -Volt Regulated Power Supply. Supplles 9 volts DC output with voltage regulation of $3 \%$ at a maximum current of 250 mA . 19 F 43661 Shpg. wt., $3 / 4 \mathrm{db}$. ......Net 10.95 KC4005 Intrucer Alarm. A circuit that develops a "whopping" signal for security system.
19 F 43679 Shpg. wt., 802.
Net 7.95
KC4006 Fire Alarm. A low-melting point solder sets off this circuit for a warning device.
19 F 43687 Shpg. wt., 8 oz .
Net 7.95

## FAIRCHILD INTEGRATED CIRCUITS

## - For The Experimenter And Hobbyist

703 LOW POWEA RF AMPLIFIER. Contains 3 transistors, 2 diodes and 2 transistors to be used as RF and IF amplifiers, harmonic mixer, osciliator, etc. useful frequencies in excess of 100 MHz . Requires 12 VDC supply. With 12 Dage in struction and applications booklet containing 12 circuit diagrams. Shpg. wt., 2 oz. 19 F 25015


## 5 PIECE HEAT SINK KIT


$1^{29}$ to protect components white soldering. Includes $11 / 2^{\prime \prime}$ and $21 / 2^{\prime \prime \prime}$ straight and bent jaws, and one $21 / 2^{\prime \prime}$ with magnetic base for use as a third "hand."
14 F 15017 Shpg. wt., 1 oz.
Net 1.29


Enables the englneer or experienced hobbyist to extend his knowledge of IC's. The pack contains 5 integrated circuits: two K02114 transis. tor arrays, One KD2115 audio ampltfiers, and two KD2116 transistor arrays. Included is a folder giving 12 useull circuits, their schematic diagrams, parts lists, and features. The K0-2114 can be used as a very-wide-bandwidth video amplifier, as an RF amplifier for range between 2 and 100 $\mathrm{MHz}_{\text {, }}$ an i.f. amplifier with 30 db galn at 1
 ing almost 40 mW . The KD-2115 is a multifunction power amplifier designed for use in portable or fixed communicatlon equipment as well as with a portable PA system, or phonograph ampllfier. The KD-2116 is a 4 transistor ic connected to form two independent Darlington pairs for very low noise and a gain bandwidth of over 100 MHz . 19 F 53066 Shpg. wt., 802 . ..........Net 4.40

## R(P/ EXPERIMENTER'S KITS



One "basic" and two "add-on" kits contain most necessary components to build the fourteen different circults shown in the RCA Experimenter's manual. Circults include: Lamp Dimmer, motor speed control, electronic timer, time delay, flashers, two battery chargers, model train or racer speed control, heat controls and others.
KD2105 "Basic" kit contains one silicon control rectifier, two transistors and five rectifiers.

19 F 43000 ShDg. wt. 1 lb.
Net 9.95 KD2106 "Add-on" Light Sensor Kit 19 F 43018 Shpg. wt., 2 oz.
KD2110 "Add-on" Heat Sensor Kit.

Net 2.75
Net 2.45

## (4) <br> MOTOROLA HEP IC EXPERIMENTER KIT

Contains 5 popular RTL Integrated circuits that will function in many digital and linear applications I.e., one J-K Flip Flop, one Dual Buffer, one 4-Input Gate, and two Dual 2 Input Gates, a total of 34 transistors and 48 resistors. Also includes integrated Circuit Cross Reference Substitution Guide, "Tips on Using IC's," and 8 IC Project Clrcuits. Shpg. wh, 8 oz . 19 F 54528

Net 3.95

## (4) <br> MOTOROLA FET <br> EXPERIMENTER'S KIT

[^13]INTEGRATED CIRCUIT EXPERIMENTER KITS


## COMPUTER CIRCUIT EXPERIMENT KIT

- With 3-Fairchild IC's

Ingenious new experiment kit dealing with fundamentals of digltal computer circultry and technology as well as application of integrated circuits in this area. Supplied with all necessary parts including 3 Falrchild $\mu l 914$ integrated circuits and comprehensive 18-page kit manual. Manual contains instructions, circult dlagrams, pictorial diagrams, and thorough easy-to-follow discussion of Boolean algebra, lamp driver "truth meter", logic functions and circuitry (AND, OR, NAND,' NOR AND INVERTER), truth tables, adders, number system conversion (decimal to binary and binary to decimal), and three different types of flip-flops and their applications. Shpg. wt., 7 oz.
19 F 53025
Net 9.95

## AUDIO CIRCUIT EXPERIMENTERS KIT

## - With Three Fairchild IC's

Excellent experimenters kit for hobbyists, designers, technicians and students interested in solid state audio circuitry and applications of integrated circuits. Kit comes complete with illustrated instructions and discussion of transistor operation, common emitter class $A$ and $B$ ampllfiers, phase spilter, 2 and 4 channel audio mixers, square wave audio signal generator, code practice oscillator, sine wave generator, complete audio amplifier, etc. With 4 PC boards and 16 page instruction and circuit manual. Shpg. wt., 6 oz.
19 F 53041
Net 9.95

## INTEGRATED CIRCUIT EXPERIMENTER KIT

Excellent kit dealing, with theory and applications of revolutionary new Integrated Circuits that offer major advantages over conventional solid state circuitry. Interesting experiments with Gates, Logic Circuits, Filp-Flods, Monostabie Multivibrator. Square Wave Generator, Amplifiers, Triggers. Alarms and Counters. Includes 2 Fairchild $\mu \mathrm{L} 914$ IC's.
19 F 53017 Shpg. wt., 402.
Net 6.95

## DECIMAL TO BINARY

 CONVERTER MATRIX KIT

Invaluable kit for electronic hobbyists, technicians, schools and students interested in digital computer circuitry and technology. Kit includes diodes, pllot jamps, pre-etched printed circuit board and instruction manual. Diode matrix computes the binary number equivalent of the decimal numbers 0 thru 9 and displays binary number on its own pllot lamp readout. Manual contains instructions, circuit and pictorial diagrams and discussion of the binary number system.
19 F 53033 Shpg, wt., 502.
Net 4.95

# Hobbyist and Experimenter Semiconductor Specialties 



## FOR HOBBYIST EXPERIMENTER

WITH APPLICATION SCHEMATICS
GE-xi Slicon Controlled Rectifier. For plugin speed contral for tools, etc. 117 VAC, 4.7 amps max. 200 PiV. Wt., 3 oz. 19 F 27045 Net 2.60 ant Activated Silicon Controiled ectifier. For "slave" photoflash for flashbulbs, etc. 25 PiV, 1.6 amps man. Wt., 202. 19 F 27052

Net 2.80
GE. $\mathrm{K}_{3}$ Sificon Controlled Rectifler. For 12 V regulated battery charger. Up to 13 amps and 50 PIV. Wt., 302
19 F 27060
Net 4.00
GE.x4 Silicon Rectlfier. For high-low.off control for motor, lamp, heater, etc. 20 amps, 200 PIV. Wt., 3 oz.
19 F 27078
Net $t .60$
GEx5 sillicon Controlled Rectifier, For enlarger photo-timer. Also for simple remote controls. $2 \mathrm{amps}, 50$ PIV. Wt., 2 oz.
19 F 27086
Net 2.30
GE-X6 Photocell. For light flasher, or night light control. 250 V peak AC or DC. 250 mw Wt. 202.

Net 1.40
GE.K7 Reed Switch. For light fiasher, and burglar alarm. 15 w max on contacts 500 max, breakdown volts. Wt., 202.
19 F 27102
Net .0 GE-x8 NPN Transistor. For light flasher, light target, triggered light source. Also for bistable lamp drivers. Wt., 2 oz.
19F27110
Net 70
GE-Xg Transistor. For light flasher, light target or triggered light source, low frequency switching. Wt., 202.
19 F 27128 $\qquad$ Net .70
GE-X10 Unijunction Transistor. For high precision tachometer with 12 volt neg. ground. For timing circuits. Wt., 2 oz.
19 F 27136 $\qquad$ Net 1.35
CE-XII Zener Diode. For high precision tachometer with 12 V neg. grd. Wt., 2 oz.
19 F 27144 ........................................... 1.80
GE.X12 Triac. For remote control for lamps and appliances. Wt., 2 oz.
19 ₹ 27151
Net 4.50
GE-X13 Diac. For full-wave lamp dimmer, lamp sentinel, and AC motor control. 19 F 27169 Wt., 2 oz.

Net 1.60
GE-X14 Thyrector. For duaf-voltage power supply; 100 watt output. Wt., 302. 19 F 27117

Net 1.15
GE-X16 Sllicon Controlled Rectifier. For battery operated fluorescent light. Excellent for mobile lighting In trucks, boats, buses, camp trailers and aircraft. 400 PIV, 7.4 amps max., 117 VAC. Wt., 3 oz.
19 F 28142
Net 3.45

## GE EXPERIMENTER, HOBBYIST MANUAL

Every engineer. experimenter, hobbyist, student and techniclan can learn new applications for electronics components with the simpie but interesting and useful circuits in this manual. Shpg. wt. 8 oz.
10 F 36078 Net 1.50

## TRANSISTOR $Z 5$ SILICONE GREASE WITH INJECTOR

Easily dispenses compound to hard to reach areas when replac ing transistors. Injector made of polyethylene plastic with neoprene plunger.
13 F 61096 Wt. $4 \mathbf{~ o z}$. Net 2.39


Make Lafat/ette Your One Dependahle Source for Everything in Electronics
2 ea. PNP TO-3 Transistors-Germanium Power 27 ea. Sticon Rectifiers 400 mw . Over 25 PIV 19 F 15362 Shpg. wt. 5 ot.

Net 2.49
COOE OSCILLATOR MODULE


- Matchbook Size
- Drives Any PM Speaker

Transistorized code oscillator module ready to connect to your telegraph key, any $11 / 2$ to 6 volt battery and any PM speaker. Pro vides clear tone-ideal for learning Morse code. Simple connecting instructions and schematic inciuded. Shpg. wt. 302.
19 F 15131
Net .98

SILICON RECTIFIERS
As Low

49 ea.


Top hat lead type silicon rectifiers, for TV, Radio, and power supplies as haliwave, fuli wave rectifiers and voltage doublers.
Type A: $750 \mathrm{Ma}, 400$ PIV @ $25^{\circ} \mathrm{C}$.
500 Ma , 400 PIV@ $90^{\circ} \mathrm{C}$
19 F 42093 Snpg. Wt., 2 oz .
Net . 59
100 for 48.25
Type B: $750 \mathrm{Ma}, 200 \mathrm{PIV} @ 25^{\circ} \mathrm{C}$
500 Ma .200 PIV@ $90^{\circ} \mathrm{C}$.
19 F 42101 Shpg. wt. 2 oz.
Net . 48
100 for 39.50
Type C: 75 C Ma, 700 PIV @ $25^{\circ} \mathrm{C}$
$500 \mathrm{Ma}, 700$ PIV @ $90^{\circ} \mathrm{C}$
19 F 5009 g Shpg. wt., 2 or. .......Net . 79
100 for 62.50

## STUD-MOUNT SILICON POWER RECTIFIERS

All popular models, the" hexaronal mounting studs. Shpg. wt., 3 oz. per package 2 Ampere Rectifiers

| Stock No. | PIV | Pkg. of | Net |
| :---: | :---: | :---: | :---: |
| 19 F 50078 | 50 | 4 | . 49 |
| 19 F 50088 | 100 | 2 | . 39 |
| 19 F 5005 | 200 | 2 | . 59 |
| 19 F 50062 | 400 | 2 | . 97 |
| 12 Ampere Rectifiers |  |  |  |
| 19F50039 | 50 | 2 | 1.19 |
| 19 F 50047 | 100 | 1 | . 77 |
| 19 F 42077 | 200 | 1 | . 98 |
| 19 F 42085 | 400 | 1 | 1.69 |
| 50 Ampere Rectifiers 1 $1 \mathrm{~Kb}_{6}$ Hex |  |  |  |
| 19 F 1514s | 50 | 1 | 2.49 |
| 19 F 15214 | 100 | 1 | 3.25 |
| 19 F 15222 | 200 | , | 4.25 |

## TRANSISTOR AND

 RECTIFIER HEAT SINKS
## As Low As <br> $59^{c}$



For 1 TO-3 transistor. 22.8 sq. In. $\dagger$ 19 F 15271 Shog. wt., 4 oz. ....... For 1 TO.36 transistor. 27.85 sq . in. $\dagger$ 19 F 15255 Shpg. wt., 4 or. ........ Net For $3_{10}$ "Hex. rectifiers. 16.71 sq . in. $\dagger$ 19 F 15263 Shpg. wt., 4 oz. ..........el For "1/4" Hex. rectifiers. 22.28 sq. in. $\dagger$ 19 F 15230 Shpg. wt. 402 . Net 69 For 1K" Hex. rectifiers. 27.85 sq. In. $\dagger$ 19 F 15248 Shpg, wt.. 4 oz......... Net 79 For 2 10.36 transistors. 70.28 sq. in. $\dagger$ 19 F 15339
$\dagger$ =Radiating Surface.
RCA SOLID-STATE HOBBY

## CIRCUIT MANUAL



Features 35 different solid-state circuits provided with full-size drilling templates to simplify circuit board construction. Text sections devoled to the theory of solid-state devices, circuit operation, construction prac tices and trouble shooting. 224 pages.
10 F 47109 shpg. wt., 13 oz . ....... Net 1.75

# Semiconductors for Hobbyist and Experimenter <br> FIG. (A) <br>  <br> FIG. (C) <br>  <br> FIG: (D) <br>  <br>  <br> FIG. (E) 

(A) 2-10-WATT POWER TRANSISTORS Package of 2 PNP 10 Watt germanium power transistors in popular TO-3 case. Similar to 2N155, 2N176, 2N235, 2N351, 2N242, 2 N257, 2N268, 2N301A, 2N255, 2N554, 2N555, etc. Shpg. wt., 802.
19F 15016 Pkg. of 2
Net 89

## (N) POPULAR POWER TRANSISTORS

MEDIUM POWER TRANSISTORS
Beta二 30 , BVcer $=36$ Volts: Shpg. wt., $12 \mathbf{0 2}$. Similar to: $2 N 155,2 N 176,2 N 235,2 N 242$, 2N255, 2N256, 2N301, 2N307, 2N554, AR-5, alf.
19: 15073 snpp. wt., 3 oz. ..... Net ea. . 59 in lots of 100, Each Net. 49

HIGH POWER TRANSISTORS Beta $=50_{i}$ BVcer $=36$ Volts Min. Shpg. wt. 12 oz . Similar to: $2 \mathrm{~N} 157 \mathrm{~A}, 2 \mathrm{~N} 176 \mathrm{~B}, 2 \mathrm{~N} 257$, 2N258A, 2N301A. 2N353. 2N399, etc.
19 F 42051 shpr. wt., 3 oz. ..... Net ea. . 69 In Lots of 100, Each Net . 50
(A) PHOTO-MULTIPLIER POWER TRANSISTOR PMOTOELECTRIC ELECTRONIC RELAY - PHOTO ELECTRIC CELL

- POWER TRANSISTOR AMPLIFIER

Complete with Instructions, Data and Diagrams for photo control systems, photo-electronic amoliflers; Relays, Alarms, etc. Shpg. wt., 3 oz .
19 F $15065 \quad$ E3, Net 1.793 for 4.77


FIG. (F)

FIG. (H)
FIG. (G)

## (f) 40-WATT HIGH POWER TRANSISTOR

Excellent for power supplies, auto replacement, audio output, etc. Similar to 2N173 CTP1504, SFT 266, etc. Bolt mounted. 19 F 15032 Shpg. wt., 3 oz. .............Net . 89
(6) GENERAL PURPOSE DIODES

Excellent Detector for Transistor and Vacuum Tube Radio Receivers
EQUIVALENT TO:
100 for
IN34 IN34A IN38A
8.50

IN48 IN56 1N69
19 F 95015 Net .10 each; 10 for .90

## (D) 10 GERMANIUM DIODES

Pkg. of 10 germanlum diodes that replace IN34, IN34A, IN46, IN48, IN5I, IN6O, IN64, 1N64A, 1 N87, $1 N 105,1 N 109,1$ N147, 1N267, 1N268: 1 N295. etc. Shpg. wt., 2 oz. 19 F 15057 Pkg. of 10

$$
\text { Net } .79
$$

(D) 10 SILICON DIODES

Package of 10 silicon diodes, Replaces 1 N34.
 1N295. etc. Wt. 2 oz.
19 F 60012 Pkg. of 10 Net .89

## RECTIFIER MOUNTING KITS

19 F 15081 For $K_{0}^{\prime \prime}$ Hex. Base ........Net .17 10 for 1.59 Net .27 10 for 2.49 Net .35 10 for 3.15 19 F 15164 For 1 1/6" Hex, Base

## HEP PROIECT MANUALS

HEP No. 400-General Hobby/Experimenter Solid State Projects Manual. Fundamentals from interesting projects; i.e.; Panic Button, Deluxe Code Osclliator, Audio Genefator: Min-Fi Ampllifer. Intercom System, Motor Speed Control and Six Meter Converter. 10 F 64013 Net 50 HEP No. 407 -Interesting iC theory \& appilcations in such projects as Binary Computer, Organ, Square Wave Generator, Glidetone, Electronic Gultar and Code Oscllator. 10 F 64021

Net 1.00 HEP No, 408-Learn theory and applications of FET's. Interesting projects such as Vibrato, Audio Mixer, Timer, Crystal Oscillator, Prato, Audifier and D.C Volimeter.
10 F 64039

## RECTIFIERS

HEP-104 Zener Diode, 9.1V, 1W, $\pm 10 \%$

19 F 54058 N........... 1.20 HEP-151(\$), Power, Stud, 50 PIV, 15A 19 E54551 Net............................ HEP-154(S), Rectifier-Axial Lead, 50 PIV, 1 A 19 F 54379 ............................ 36 HEP-159(S), Rectifier-Axial Lead, 800 PIV, 1 A 19 F 54072 Net 60 HEP-160(S), Rectifier-AxJal 1000 PIV. 1 A 19 F 54569 Net 75 HEP-162(\$), Top Hat Rectifier, 200 PIV, 3 A | 19 E $\$ 4403$ |
| :--- |
| HEP-170(S), Rectifier-Axial Lead. 1000 Pet 1.25 | 2.5 A .

Net .82 2.5 A.
19 F 54643 MEP. 175 Full Wave Bridge Rectifler, 50 PIV, 1 Amp Single Phase

Net 1.49
19 F 5408
r. 200 V

19 F 54080
Net 2.05
19 F 54650
HEP. 302 Thyristor (SCR), 200 V. 5 A
19 F 54577
19 F 54577

Service

【( $\quad$ "TOP OF THE LINE" UNIVERSAL Replacement Semiconductors

## REPLACE: More Than 10,000 Transistors and Integrated Circuits!-More That 3,600 Rectifiers!

Top quality semiconductors for replacement of transistors. IC's, selenium and silicon rectifiers used in A' and battery-operated

| Stock No. | RCA Type | Net Each |
| :---: | :---: | :---: |
| 19 F 43133 | SK 3003 | 99 |
| 19 F 43141 | SK 3004 | 1.14 |
| 19 F 43151 | SK 3005 | 1.17 |
| $19 \text { F } 43166$ | SK 3006 | 1.41 |
| 19F43174 | $\text { SK } 3007$ | 1.26 |
| 19 F 43182 | SK 3008 | 1.23 |
| 19 F 43190 | SK 3009 | 2.34 |
| 19 F 43208 | SK 3010 | 1.26 |
| 19 F 43216 | SK 3011 | 1.62 |
| $19 \text { F } 43224$ | $\text { SK } 3012$ | 4.38 |
| $19 F 43232$ | $\text { SK } 3013$ | 4.68 |
| $19 \text { F } 4340$ | $\text { SK } 3014$ | 3.15 |
| $19 \text { F43257 }$ | $\text { SK } 3015$ | 6.30 |
| $19 F 43265$ | $\text { SK } 3016$ | . 57 |
| $19 \text { F } 43273$ | SK 3017A | . 60 |
| $19 ₹ 43281$ | SK 3018 | 1.35 |
| $19 \text { F } 43299$ | $\text { SK } 3019$ | 1.47 |
| $19 ₹ 43307$ | SK 3020 | 1.32 |
| 19 F 43315 | SK 3021 | 1.95 |

portable and auto radios, phonographs, qape recorders, TV receivers, AF amplifiers, etc
Shpg. wt., 302

| Stock No. | RCA Type | Net Each |
| :---: | :---: | :---: |
| 19 F 43323 | SK 3022 | 3.96 |
| 19 F 43331 | SK 3023 | 3.96 |
| 19 F 43034 | SK 3024 | 1.98 |
| 19 F 43042 | SK 3025 | 2.70 |
| 19 F 43059 | SK 3026 | 1.80 |
| 19 F 43067 | SK 3027 | 3.15 |
| 19 F 43075 | SK 3028 | 3.60 |
| 19 F 43083 | SK-3029 | 6.30 |
| 19 F 43091 | SK 3030 | . 42 |
| 19 F 43109 | SK 3031 | . 51 |
| 19 F 43117 | SK 3032 | . 62 |
| 19 F 43125 | SK 3033 | . 81 |
| 19 F 43356 | SK 3034 | 4.50 |
| 19 F 43364 | SK 3035 | 5.49 |
| 19 F 43372 | SK 3036 | 5.85 |
| 19 F 43380 | SK 3037 | 11.70 |
| 19 F 43398 | SK 3038 | 1.44 |
| 19 F 43406 | SK 3039 | 1.98 |
| 19 F 43414 | SK 3040 | 2.25 |

"TOP-OF-THE-LINE"
Solid State Replacement Guide. Domestic and foreign transistors. IC's and rectifiers cross-referenced against RCA "Top-of-the Line" SK semiconductors. Includes dia grams. Shpg. wt., 802.
10 F 47125
Net .20


## UNIVERSAL REPLACEMENT ENTERTAINMENT TRANSISTORS

General Electric Universal Replacement Entertainment Transistors replace most types of transistors used in radios, TV, tape recorders, phonographs and other applications where normal voltages exist. Shipg. wt., 3 oz. *Matched Pairs.

## ENTERTAINMENT SEMICONDUCTOR ALMANAC

Replace over 12,000 Transistors, Over 5,000 Diodes

Complete replacement guide for domestic and imported transistors with recommended G.E. Universal replacements. Also includes guide for replacement of crystal diodes, universal rectifiers dual-drodes, zener di:
odes, color rectifiers, 3.5 MHz crystals used in the major popular TV sets and mainten ance industrial semiconductors. Wt., 8 oz.

10 F 36243
Net .25

| Stock No. | GE Type | Net Each | Stock No. | GE Type | Net Each | Stock No. | GE Type | Net Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19 F 27268 | GE-1 | 1.20 |  |  |  |  | GE-21 | 1.12 |
| 19F27276 | GE-2 | 1.02 | 19F27722 | GE-11 | 1.53 2.34 | $19 \text { F } 27813$ | GE-21 | 1.12 |
| 19 F 27284 | GE-3 | 1.78 | 19 F 27730 | GE-13 | 3.56 | 19F27839 | GE-22 | 1.03 2.52 |
| 19 F 27292 | GE-4 | 2.94 | 19F27748 | GE-14 | 3.51 | 19 F 27847 | GE-24* | 2.52 5.04 |
| 19 F 27300 | GE-5 | 1.68 | 19 F 27755 | GE-15* | 7.02 | 19 F 27854 | GE-25 | 7.50 |
| 19 F 27318 | GE- 7 | 1.83 | 19 F 27763 | GE-16 | 3.15 | 19 F 28134 | GE. 26 | 3.10 |
| 19 F 27334 | GE-7 | 1.77 | 19 F 27771 | GE-17 | 1.42 | 19 F 28159 | GE-27 | 2.18 |
| 19 F 27714 | GE-9 | 1.29 1.26 | 19 F 27789 | GE-18 | 1.46 | 19 F 21.167 | GE-28 | 2.15 |
| 19 F 27359 | GE- 10 | 1.20 | 19F27797 | GE.19 | 3.06 | 19F28175 | GE-29 | 2.40 |
|  |  |  | 19 F 27805 | GE-20 | 1.10 | 19 F 27862 | GE-FET-1 | 2.25 |

## G-E ENTERTAINMENT SEMICONDUCTORS

TRANSISTORS

| $19 F 27474$ | $2 N 107$ | .75 |
| :--- | :--- | ---: |
| $19 F 27482$ | $2 N 170$ | 1.02 |
| $19 F 27490$ | $2 N 188 A$ | 1.83 |
| $19 F 27870$ | $2 N 190$ | .84 |
| $19 F 27888$ | $2 N 324$ | .72 |
| $19 F 27896$ | $2 N 404$ | .54 |
| $19 F 27904$ | $2 N 508$ | .78 |
| $19 F 27920$ | $2 N 2160$ | 1.65 |

## RECTIFIERS




## EXPERIMENTER'S

 MANUALKM-71. 136 page book on the theory and applications of solid state elec. tron devices with particular emphasis on the silicon-controlled rectifler. Includes construc. tion details, clrcuits for the hobbyist or experimenters plus 24 complete circuits for dozens of SCR applications with schematic and pic. torial diagrams. Shpg. wt. 1 lb. 10 F 47067


## CRYSTAL DIODES



## COLOR TV RECTIFIERS

| 19 F 27417 | GECR-1 Focus Rect | 2.25 |  |
| :--- | :--- | :--- | ---: |
| 19 F 21425 | GECR-2 | Boosted Boost | .99 |
| 19 F 27433 | GECR-3 | Convergence | .86 |

zener dlodes, I wat; * $=400$ Milliwatt

| Stoch NE. | Type | Volts | Nel |
| :---: | :---: | :---: | :---: |
| 19 F 28027 | GEZD-10-4* | 10 | 90 |
| 19 F 28035 | GEZD-3.6 | 3.6 | 1.20 |
| 19 F 28043 | GEZD-5.1 | 5.1 | 1.20 |
| 19 F 28050 | GE2D-5.6 | 5.6 | 1.20 |
| 19 F 28068 | GEZD-6.2 | 6.2 | 1.20 |
| 19 F 28076 | GEZ2-9.1 | 9.1 | 1.20 |
| 19 F 28084 | GE2D-12 | 12 | 1.20 |
| 19.F 28092 | GE2D-15 | 15 | 1.20 |
| 19 F 28100 | GEZD-18 | 18 | 1.20 |
| 19 F 28118 | GEZD-20 | 20 | 1.20 |
| 19 F 28126 | GEZ0-27 | 27 | 1.20 |

G-E VAC-U-SEL DUAL DIODES

| Stock Ne. | Type | Net |
| :--- | :---: | :---: |
| $19 F 27441$ | 6 GCl | .55 |
| $19 F 27458$ | $6 \mathrm{GD1}$ | .55 |
| 19 F 27466 | $6 \mathrm{GX1}$ | .55 |

## Thermalloy

Neatly pre.packaged heat sinks, mounting and insulating kits and heat sink compound. 2 Heat Sinks for To-5 transistor. Cools to 1.9 watts of heat.

19 F 56507 Shpg. Wt., 8 oz. Net . 59
I Heat sink for TO-5 transistor. Cools to 3 watts of heat
19 F 56515 Shpg. wt. 8 oz . Net . 44
2 Plece Heat sink for T0-66 transistor. Cools up to 10 watts of heat.
19 F 56523 Shpg. wt., 8 or $\qquad$ Net 64
2 Piece Heat Sintin for T0-3 transistor. Cools up to 12 watts of heat.
19 F 56531 Shipg. wt., 8 oz
Net. 70

## SEMICONDUCTOR ACCESSORIES

1 Heat Sint for TO-3 transistor. Cools up to 20 watts of heat
19 F 56549 Shpg, wt., 802 $\qquad$

## DELUXE $\mathbf{3 0 , 0 0 0}$ OHMS PER VOLT MULTITESTER WITH MIRROR SCALE

# $18^{95}$ 

- 30.000 Ohms per Volt DC, 15,000 Ohms per Volt AC
- Low Voltage Scale for Transistor Tests
- $\mathbf{1 \%}$ 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 Voit-Ohm-Milliammeter with a mirror scale. Provides wide voltage, current, resistance and ob ranges clearly visible on a big 4" meter with 2 color calibratlons. Built-In overload protective circuitry. Sensitivity is 30,000 ohms-pervolt OC and 15,000 ohms-per-volt AC. All multipliers used are $1 \%$ precision resistors for maximum accuracy and years of dependable service. Sensitive 33 . micro-ampere meter provides full scale readings down to $1 / 4$ velt on DC and .05 milllamps. 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
 99 F 50718 Imported. Shpg. Wt., $21 / 4 \mathrm{lbs}$. Net 18.95 38 F 01081 Pigskin Carrying Case for the above, Shpg. wt., 502.

Net 1.95 Sensitivity: 30,000 ohms/volt DC, 15,000 ohms/volt AC. Manges: DC volts: $0-.25,1,1$
$2.5,10,25,100,250,500,1000 ; A C$ volts: $0.2 .5,10,25,100,250,500,1000$ Direct Current: $0.0 .05,5,50,500$ ma; 0.12 amps Onmmeter: $0-60 \mathrm{~K} .6 \mathrm{M} .60 \mathrm{Meg}$ ohms, Decibels: -20 to +56 db . Short Test: Internal Buzzer. Audio Output Jack. Controls: Range Switch, Ohms Adjust. Batteries: 1 type $Z$ cell, 15 -volt.

## DELUXE 20,000 OHMS-PER-VOLT MULTITESTER WITH MIRROR SCALE

- 20,000 Ohms-Per-Volt DC, 10,000 Ohms-Per-Volt AC

$13^{58}$- Low Voltage Scale for Transistor Tests - 1\% Precision Resistors For High Accuracy

- 40-Microamp 31/2" D'Arsonval Meter
- Built-in Overioad Protective Circuitry

Handy pocket multi-tester with mirror scale. Has every needed range. Ideal for repair and service work, testing and troubleshooting electronic circuits and appliances in the labor shop. 40 micro-ampere meter movement permits a high input resistance on all ranges. Has a single range/function control for quick, simple operation, plus zero ohms adjust and bullt-in overload protective circuitry. With batteries, test leads $51 / 6 \times 3 \mathrm{~K} \times 17 / \mathrm{s}^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., $11 / 2 \mathrm{lbs}$.
99 F 50734
Net 13.95
38 F 01073 Pigskin Carrying Case for above. Shpg. wt., 502.
Net 1.95

## SPECIFICATIONS

Sensitivity: 20,000 ohms/volt $D C ; 10.000$ ohms/volt $A C$. Ranges: $O C$ volts, $0.6,6$, $30,120,600,1200 ; A C$ volts: $0-6,30,120,600,1200$. Resistance: $0-10 \mathrm{~K}, 100 \mathrm{~K}$, IM, 10Megs. Current: $0-60 \mu \mathrm{~A}, 0-6,60,600 \mathrm{MA}$. Decibeis: -20 to +63 . Capacity: 200 mm to 0.2 mfd .

## 20,000 OHMS-PER-VOLT MULTITESTER WITH MIRROR SCALE

# 10 95. 20,000 Ohms /Volt DC, <br> - Easy-to-Read $3^{\prime \prime}$ Meter <br> - Built-in Overload Protective Circuitry 

Easy visibility is provided by the large 2 -color $\mathbf{3}^{\prime \prime}$ meter with mirror scale. The 40 -Microampere D'Arsonval meter movement permits a high input resistance on all ranges. Buift-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 F 50726 Net 10.95
38 F 01073 Pigskin Carrying Case for above. Shpg. wt ${ }_{2}, 502$.
Net 1.95

## SPECIFICATIONS

Sensitivity: 20,000 ohm/volt DC, 10,000 ohms/volt. AC. Range OC volts: $0-3,30$, $60,300,600,3,000 \mathrm{~V}$. AC Volts: $0-6,60,120,1,200 \mathrm{~V}$. DC Current: $0-60 \mathrm{AA}, 0-12$, $0-300 \mathrm{ma}$. Résistance: $060 \mathrm{~K}, 0-6,60$, Megohms. Decibles: -20 to +63 db . Audio Output Jack. Type ' 2 '" 1.5 V 'cell for resistance measurements.

## "Super Mini" AC/DC VOM

$6^{95}$

- Compact Pocket Size: $31 / 2 \mathrm{H} \times 21 / 8 \mathrm{~W} \times 13 / 8{ }^{\circ} \mathrm{D}$.
- 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 technicians, hobbyist or home owners for trouble shooting electronic circults and testing appllances. Ranges: $A C / D C$ voltage, $0.12,0.120$, and $0-1200 ; D C$ current, $0-1 \mathrm{~mA}$ and 0.120 mA . Reads resistance from o 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 " 2 " cell. Complete with test leads and battery. 99 F 50791 Imported. Shpg. wt., 10 oz.

Net 6.95
99 F 50609 Pigskin Carrying Case for above. Shpg. wt., 5 oz.
Net 1.49

## LAFAYETTE'S Finest Multitesters

## Super LAFAYETTE $\mathbf{5 0 , 0 0 0}$ Ohms Per Volt Multitester

- 50K Ohms Per Volt
- 5K Ohms Per Volt AC
- Giant $51 / 4^{m}$ Meter
- Built-in Overload Protection
- Low Voltage Ranges For Transistor Circuitry

Super-sensitive, sell-contained, portable Multi-Tester? Employs $1 \%$ precision resistors and high quallty components for an accuracy of better than $2 \%$ no DC; $3 \%$ on AC. Useable at frequencies 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 range indicator. Bult-in.meter overload protection,
batteries and test leads. Imported. Shpg, wt., 4 tbs.
99 F 50767
Net 27.95

## SPECIFICATIONS

Ranges: OC Volts: 0-0.25-2.5-10-50-250-1000@ 25 K ohm/V; 0-0.125-1.25-5.0. 25-125-500@ 90 K ohm/V. AC Volts: $0 \cdot 3 \cdot 10 \cdot 50-250-1000 @ 2.5 \mathrm{~K}$ ohm/ Vi $0-1.5-5.0-25 \cdot 125 \cdot 500 @ 5 \mathrm{~K}$ ohm/V. DC $\mu \mathrm{A}: 0.25$ @ $125 \mathrm{mV}, 0-50$ @ 250 mV . DC mA: 0-5.50.500@ $250 \mathrm{mV} ; 0-2.5 \cdot 25 \cdot 250 @ 125 \mathrm{mV}$. DC amperes: 0.10 $250 \mathrm{mv} ; 0.5 @ 125 \mathrm{mV}$. Ohms: $0-2 \mathrm{~K} .10 \mathrm{~K}, 100 \mathrm{~K}, 1 \mathrm{M}, 10 \mathrm{Megs} . \mathrm{DB}:-20$ to +81.5 in 10 AC volt ranges.

## $27^{5}$

## LAFAYETTE Introduces a NEW Premiere Line of Multitesters

- Especially Designed For Ease of Handling and Convenience
- Self Supporting-Meter Can Be Titted at a $45^{\circ}$ Angle for Easy Viewing
- Burnout Protected - Mirror Scale - Low Voltage Scale for Transistors



## 30,000 Ohms Per Volt Multitester RANGES

- AC Volts: $0-2.5,10,25,100,250,500,1000$
- DC Volts: $0.25,1,2.5,10,25,100,250,500,1000$
- DC Current: 0.0.25, 5, 50, 100 MA; 0.12 Amps
- Ohms: $0.60 \mathrm{~K}, 6 \mathrm{M}, 60 \mathrm{Megohms}$
- DB: -20 to +56

Deluxe vOM with mirror scale has professional "lab" styling, carrying-handte for portable or bench use. Provides wide voltage, current, resistance and do ranges clearly visible on a large, easy-to-read' scale with 2 color callbrations. Built-In overload protective circuitry to assure a long trouble-free IIfe. Sensitivity is 30,000 ohms-per-volt DC and 15,000 ohms-per-volt AC. All multipliers used are $1 \%$ precision resistors for maximum accuracy and years of dependable service. Sensitive 33 microampere meter provides full scale readings down to $1 / 4$ volt on DC and .05 ma. Features a unique, self-contained buzzer to give you fast in-circuit checks on opens, shorts. Audio output jack with DC blocking capacitor. Sturdily housed in a handsome, dustproof black plastic case. With leads and batteries. Size: $7 \mathrm{~W} \times 4 \mathrm{H} \times 21 / 0^{*} \mathrm{D}$. Imported.
99 F 50817 Shpg. wt., $11 / 2$ lbs
Net 22.95



## 20,000 Ohms Per Volt Multitester RANGES

- AC Volts: $0-6,30,120,600,1200$
- DC Volts: $0.6,6,30,120,600,1200$
- DC Current: 0-60 $\mu \mathrm{A}, 0-6,60,600 \mathrm{MA}$
- Ohms: 0.10K, 100K, $1 \mathrm{M}, 10$ Megs.
- DB: -20 to +63

Handsome "lab-type" low profile design with carrying handle. Has every needed range and mirror scale for precise readings. Ideal for repair and service work as well testing and troubleshooting electronic circuits and appliances in the shop. 40 microampere 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. Com. plete with batteries and test leads. Specifications: Sensitivity: 20,000 ohms/volt DC; 10,000 ohms/vott AC. Ranges: DC volts, 0.6 , $6.30,120,600,1200 ; A C$ volts: $0.6,30,120,600,1200$. Resistance: $0-10 \mathrm{~K}, 100 \mathrm{~K}, 1 \mathrm{M}, 10$ megs. Current: $0.60 \mu \mathrm{~A}, 0.6,60,600 \mathrm{MA}$. Decibels: -20 to +63 . Capacity: 200 mmf to 0.2 mfd . Size: $7 \mathrm{w} x$ $4 H \times 21 /{ }^{-2} 0$. Imported.
99 F 50825 Shpg. wt., $11 / 2$ Ibs.
Net 15.95
Lafayette Cat. No. 710219

## Top Quality LAFAYETTE VTVM and VOM's deluxe lafayette vtvM with Giant 612" Meter

- Wide Band RMS Measurements on any Waveform from 30 Hz . to Over 5 MHz ., Without Additional Probes or Accessories
- 11 Megohm Input Resistance - Negligible Loading Effects on DC Circuits
- Direct Reading DB Scale
- Balanced Push-Pull Amplifier - Isolates and Protects Meter
- Pilot Light Indicates When Unit is "On"
- Selected $1 \%$ Zero Temperature Coefficient Multiplier Resistors for Dependable, Accurate Readings
- Silicon Rectifier in Power Supply Reduces Effects of Heat on Component Values
- Accurately Measures AC Peak-To-Peak Voltage, AC RMS Voltage, DC Voltage and Resistance
- Giant $61 / 2^{\prime \prime}$ Full-View Meter With Easy-TaRead Two-Color Scales

A high quality, accurate VTVM employing a glant $61 / 2$ " easy reading $400 \mu \mathrm{~A}$ meter. 11 megohm input resistance, AC RMS voltages may be read directly up to 1500 volts and resistance from 0 to 1,000 megohms in 5 overlapping ranges. Has zero-center scale for alignment of FM and TV defector circuits. Push-pull amplifier elecirically isolates the meter movement-meter is virtually Impossible to burn out. Precision $1 \%$ multiplier resistors. SPECIFICATIONS: DC VOLT-METER RANGES: 0 to $3,30,150,300,1500$ volts. Input resistance: 11 megotims ( 1 megohm in probe) on all ranges. A.C. VOLTMETER RMS RANGES: 0 to $3,30,150,300,1500$ volts. PEAK. TOLPEAK RANGES: 0 to $8,80,400,800$ volts. DECIBEL RANGES: -10 to $+5,+6$ to $+25,+26$ to +45 db . Response: 30 Hz . to above 5 MHz . OHM-METER RANGES: 0 to 1000 megohms in 5 overlapping ranges. ZERO CENTER VOLTMETER RANGES: $0-1.5,15,75$, 150, 750 volts. Complete with $11 / 2 \mathrm{~V}$ battery, instructions, and 3 probes: Common, $A C$ volts/ohms and $D C$ volts probe. Size $71 / 2 \mathrm{H} x$ $61 / 2^{\prime W} \times 5^{\prime \prime} \mathrm{O}$. For $110-120 \mathrm{~V} 30 \mathrm{~Hz}$. AC. Shpg. wt., $41 / 2 \mathrm{lbs}$.

| 38 F 01016 W | Net | 2.95 |
| :---: | :---: | :---: |
| 38 F 01032 Accessory RF Probe. Wt. 402. | Net | 3.95 |
| H.V. Probe. Extends range to 30,000 V. Wt. 502 38 F 01065 | Net | 6.95 |
| 38 F 15016 Leather Case for VTVM, Wt. 11 oz. | Net | 2.95 |
| 99 F 62572 Replacement Battery, WL. 4 du. | Net | . 14 |



## LAFAYETTE SOLID-STATE FET VOLT-OHMMETER KIT

## Meter and Iransistors Protected against Burnout

KIT<br>Factory Wired and Tested<br>\section*{$29^{95}$}<br>$39^{95}$<br>No Money Down*

- 4 DC Voltage Ranges 4 Resistance Ranges
4RMS AC Voltage Ranges Large $41 / 2^{\sim} 200 \mu$ a Meter
- 4 Peak-to-Peak AC Ranges 11 Megohm Input on DC

FET volt-ohmmeter kit with the high impedance of a vacuum tube voltmeter olus complete portability and instant operation. 1 FET, 4 transistors and 2 diodes plus seff-contained batteries allow this precision test instrument to be used both in the home and in the service shop. Minimum loading allows accurate measurement of grid voltages and other low power circuits. Simple, easy-to-folluw instructions save time and eliminate confusion when assembling as a kit. Housed in a high impact bakelite case with handle. Complete with batteries, leads, and complete instructions. Size: $51 / 4$ " $\times 7$ " $\times 23 / 4$ ". Shpg, wt., 3 lbs.

Net 29.95

## SPECIFICATIONS

OC Voltage: 0 -1.2-12-120-1200. 11 megohm input impedance. $A C$ Yoltage: $0.1 .2-12-120-1200$. 1 megohm input impedance. Peak-toPeak AC Voltage: $0-3.33-33-330-1200$. Resistance: $0-1 \mathrm{~K}, 0-100 \mathrm{~K}, 0-10$ meg, 0-1000 meg. DB Ranges (4): 24 to +56 .

## Signal Generators - Color Bar Generators

# $34^{95}$ <br> No Money Down ${ }^{\circ}$ 

LAFAYETTE RF SIGNAL GENERATOR

- Six Bands: $120 \mathrm{kHz}-260 \mathrm{MHz}$
- Separate Variable Audio Output
- Etched $41 / 2^{\prime \prime}$ Circular Vernier Dial
- Factory Calibrated and Tested
- Dual Output RF Terminals
- Dial Calibration $\pm 2 \%$

Stable, wide-range signat generator engineered to fill the need for an accurate low cost service instrument. The delicate oscillator coils and tuning assembly are factory mounted and adjusted for optimum performance. Can be used for if RF alignment, audlo signal tracing of TV, FM and AM sets, IV linearity checks, and 400 cycle audio testing. Also serves as a marker generaior when used with a suitable sweep generator. Incorporates a large $41 / 4^{\prime \prime}$ etched circular vernier dial for easy, accurate frequency adjustments. Provides a fundamental frequency output of 120 kHz to 130 MHz In 6 bands plus a calibrated harmonic output of 120 kHz to 260 MHz . Built-in audio oscillator operates at 400 kHz with adjustable output to 8 volts, Continuously variable RF attenuator for proper signal attenuation and two plug-in RF output terminats provide a choice of high and low outputs for maximum flexibility. High output and tuning dial calibration of $\pm 2 \%$. Power Requirements: $\mathbf{1 0 5 - 1 2 5}$ VAC $50 / 50$ Hz., 12 Watts. Attractive gray wrinkle steel case with leather carrying, handie.
Complete with test leads. Size: $7 \mathrm{H} \times 101 / 2 \mathrm{~W} \times 53 / \mathrm{m}=\mathrm{D}$. Shpg. wt., 9 lbs. Imported.

## 99 F 50155

## LAFAYETTEAUDIO SINE/SQUARE WAVE GENERATOR

$39^{95}$
No Money Down ${ }^{*}$

- Frequency Range-

Sine Wave: $20-200,000 \mathrm{~Hz}$ in 4 Bands. Square Wave: $60 \cdot 30,000 \mathrm{~Hz}$

- Etched Circular Vernier Dial

High accuracy. low cost, factory wired, tested and calibrated. Among its many applications are square wave testing of audlo amplfifers, determining the frequency and transient response of loudspeakers and TV audio circuit testing. Frequency range of 20 Hz to 200,000 cyctes Hz in 4 bands, square wave: 60 to $30,000 \mathrm{~Hz}$. large easy-to-read and set etched dial (vernier tuned) adds a professional quallty touch. Variable attenuator adjusts amplitude of output signal. A full wave power supply is incorporated to provide low distortion and constant output. Factory wiring and calibration Insure accuracy of $\pm 3 \%$. Output voltage is 7 volts across a 1 megohm load. Rugged steel cabinet and shoch-prool mountings protect componerts. Complete with instructions and test leads. For 117 v $50 / 60 \mathrm{~Hz} \mathrm{AC}$. Size: $101 / 2 \mathrm{Wx}$ $71 / 2 \mathrm{H} \times 53 / 90 \mathrm{D}$. Imported. Shpg. wt., 10 lbs.
99 F 50148
Net 32.95

## SENCORE CG-19 PORTABLE COLOR GENERATOR <br>  <br> - 10 Standard Color Bars plus Standard Crosshatch, Dot, Vertical and Horizontal Lines <br> Battery operated, lightweight, solid-state. Uses standard RCA licensed color bars plus standard cross-hatch. dot, vertical and horizontal lines. Simple to use ... just set selector switch to desired pattern, and connect the RF cable to the antenna terminals of color TV set. Features RF channel setting, timer adjustment and interlace control. Low current drain from two 6.5 volt batteries (not included). Size: $83 / 9 \times 24 / 2 \times 52 / 2^{\prime \prime}$ D. <br> 38 F 53322 Shpg. wt., 4 lbs. <br> Net 84.50 <br> 32 F 46790 Pkg. of 2-batterles for above Net 2.96

## BOSCO "MOSQUITO" SIGNAL INJECTOR

## $14^{95}$

Transistorized, pocket sized, and cordiess. Oscillates at 1 kHz with harmonics to 30 MHz . Can be coupled into magnetic circuits and plckups without leads. Output 50 y p-D. Detachable attenuator prove. Output impedance. 10K. DC input voltage, 600 V ., max. Uses 1.5 V ., penlight cell. Size: $55 \% \mathrm{Lx} 1 / 2^{\prime \prime}$ O.D.
38 F 22103 Snpg. wt., 6 oz.
Net 14.95
99 F 52580 "AA" Battery for "Mosquito"
Net ea. . 10


SPECIFICATIONS
Full frequency range: 6 Fundamental bands- 120 $320 \mathrm{kHz} 320-1000 \mathrm{kHz} \mathrm{1}-3.5 \mathrm{MHz}$. $3.2 \cdot 11 \mathrm{MHz} 11-38$ MHz $36-130 \mathrm{MHz}$; 1 harmonic band $120-250 \mathrm{MHz}$. Frequency Accuracy: $\pm 2 \%$, Audio Output: to 8 v , (Vernier tuned) High-Low RF out-put Terminals.


SPECIFICATIONS
Frequency range: Sint wave: $20-200,000 \mathrm{~Hz}$ in 4 Dands. Square wave- $60 \cdot 30,000 \mathrm{~Hz}$. Output Valtage: Sine: 7V RMS: Square 7V. P-P. Output Impedance - 0.5000 0ims. Frequency Accuracy: $\pm 3 \%$. Distertion: Less than $2 \%$.

## DELUXE COLOR BAR PATTERN GENERATOR



# $149^{95}$ 

- 15 Patterns Including Single Dot and Single Cross
- Scope Sync Pulse

Extremely versatile color generator produces 15 patterns Including the all important single dot and single cross. Trigger pulses avaif able to sync oscilloscope. Composite video signals for video circuit testing. Gon killers for purity and convergence adjustments. Outputs: RF Output, Channel 5 and 6; Patterns-Color Bars: Gated Rainbow, R.Y, B-Y, and ( $(\mathbb{R}-\mathrm{Y})$, 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 line; Horizontal: Fine 15 lines, Wide 7 lines and Single Ine. Chroma Level control: $0-200 \%$ continuously adjustable. For $105-125$ V., $50 / 60$ HI AC. Size: $31 / 9 H \times 73 / 6 W \times 73 / 4 \cdot \mathrm{D}$. Shpg. wt., 7 lbs. Imported. 38 F 40005 Wx .

## Accurate Performance-Proven Tube Checkers

## QUALITY LAFAYETTE TUBE AND TRANSISTOR CHECKER

## KINECOLOR CIRCUIT ANALYZER



- Instant Hook-up for Analyzing, Testing and Adjusting Color CRT's and Associated Circuitry Under Actual Operating Conditions

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 intermiltant tests avaliable. 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. Otsolescent proof: Unique switching arrangement allows new lubes to be tested as they become available. In addition, this
fine tester also checks transistors: PNP and NPN, high or low power, for AC amplification. Tells immediately whether or not transistor is operable. Portable, rugged tester is Ideal for serviceman and hobbyist allke. Enclosed in high impact bakelite case with carrying strap. Supplied with batteries, full instructions, and ring bound manual of tube charts. For 110 VAC 60 Hz . Size: $81 / 2 \times 71 / 2 \times 4^{\prime \prime}$. Shpg. wt., 5 lbs.

## 36 F 01123 W

Net 29.95
As above wired and tested
38 F 01131 W
sipeed 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 easlly performed using single pin jacks provided on the panel. Simplifies 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 detailed procedure booklet. 61/4x 35/4 $\times 2^{\text {" }}$. Shpg. wt., 6 lbs.

38 F 14019
Net 19.95

## DELUXE PORTABLE TUBE AND CRT TESTER

# Test All Modern Tubes Including Novars, Nuvistors, Compactrons, and Decals. Test All Picture Tubes; Black and White-and Color 

${ }^{\text {only }} 52_{\text {No }}^{50}$
No Money Down*

- Tests Each Section of Multi-Section Tubes Individually For Shorts, Leakage and Cathode Emission
- Tests All Black and White Picture Tubes For Emission, Inter-Element Shorts and Leakage
- Red, Green, and Blue Color Guns Are Tested Individually For Cathode Emission, Leakage, and Shorts
- Large $41 /{ }^{*}$ " Dual Scale Meter

Versatile, reliable and highly accurate tube checker! Designed to meet the demands of servicemen, technicians, students and hobbyists. Checks more than 2,500 tubes - and will accept new tubes as they become available. Tests Nuvistors; 10 pin types; Magnavols; Compactrons; Decals; and black/white CRT's with deflection angles form $50^{\circ}$ to $114^{\circ}$ including $110^{\circ}$ RCA plus color CRT's. Tests each section of multi-section tubes individually for shorts, leakage and cathode emission. Indicates leakage up to 5 Megohms. Checks color guns (Red, Blue and Green) individually for shorts and leakage be. tween control grid, cathode and heater elements. Front panel has complete set of tube pin straighteners. $41 z^{\prime \prime}$ dual scale meter feastures a sealed damping chamber to assure accurate, steady read. ings. Unit comes complete with all cables and accessories plus instruction book for current recelving and CRT tube listings. Size $14 \times 37 / 8 \times 9$. D . For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., $7 / 2 \mathrm{lbs}$. 38 501149 w

Net 52.50


## Tube \& Transistor Checkers, R-C Boxes, Test Learls



Small and compact as a cigarette box. Quickly checks filament continulty. Tests fliaments of radio, TV picture tubes. Also can be used to test many other electrical devices and line cords, fuses, lamps and bulbs. Has sockets for TV picture tube and loctal, octal, 9-pin, as well as 7 -pin sockets. Provided with two test leads. Grey hammertone finish. Size: $4 \times 3 \times 1 / 2^{\prime \prime}$. Imported. 99 F 50163 Shpg. wt., 12 oz.

Net 2.69


Compact, battery operated instrument providing quick, simple checks of relative gain and leakage levels of out-of-circuit transistors. Panel switch provides for checking high-leakage transistors, with transistor socket, color coded test leads, and a large easy-to-read meter with a single red/green scale. Checks relative front-to-back current ratio of dlodes. Powered by two 1.5 v batteries. (Not included.) Size: $33 / 4 \times 61 / 4 \times 2^{\prime \prime}$. 38 F 46409 Shpg. wt., 1 lb. 99 F 62580 "AA" Battery

Net 10

- 9 Ranges From . 0001 to .22 MFD

A must for the serviceman, experimenter or student. Fast accurate selection of any one of 9 capacitor values from .0001 to -22 MFD . Condensers are porcetain cased tubular type Impervious to moisture and are rated at 600 volts working capacity. 9 capacitance ranges are $.0001, .001, .0022, .0047, .01, .022, .047$ 1 plus 22 MFD. Complete with $36^{\prime \prime}$ red and black test leads and alligator clips. Size $43 / 4$
$x$ 25/0 y $55 / \mathrm{m}^{\prime \prime}$. Shpg. wt., 10 oz . Imported.


## RESISTANCE SUBSTITUTION BOX

- 24 Resistance Values
- Two Ranges-Low: 15-10K Ohms. High: 15K-10 Megohms
Substitute reststance values fast and aecurately in trouble shooting circuits where values may have changed. Slide switch selects two ranges-Low: 15 ohm-10K ohms (1 watt resistors). High: 15 K ohm- 10 Megohms ( $1 / 2$ watt resistors). Two rotary switches (12 steps each) selects 24 separate resistances. Slize: $43 / 4 \times 25 / 6 \times 1 \% /{ }^{*}$. Imparted. Shpg. wt.,
 12.02. Wet 3.49


## LAFAYETTE RESISTANCE-CAPACITY SUBSTITUTION BOX

## - 24 Resistance Values

- 9 Capacitance Ranges

Versatile service instrument enables rapld substitution of a wide range of resis. tor or capacitor values. Resistance values in two ranges ( 12 steps each)-Low: 15 ohms to loK ohms; High: 15 K ohms to 10 Meg . ohms. $\pm 10 \%$ accuracy. Capacitance ranges. are: $.00011 ; .0010 ; .0022 ; .0047 ; ~ .010 ; ~ .022 ;$ 0.47 ; 10; 22 MFD (rated at 400 volt working capacity). Size: $51 / 8 \times 23 / 4 \times 13 / 4 \mathrm{H}$. Imported. Shpg. wt., 1 ib.
99 F 5075 's
Net 4.95


## TEST LEADS



A simple, safe, electrical circuit tester voltages from 60 volts $A C$ to 550 volts $A C$ or DC. imported. Shpg. wt., $20 z$. 99 F 80715

Netea. . 44

## STANDARD TEST LEADS

Standard test leads furnished with plastic prods and pin plugs which withstands chipping or breaking. Extra flexible kinkless ping or covered $60^{\circ}$ red and black leads. Prods are red and black. 4" long x $3 / 8^{\prime \prime}$ diameter. Supplied in pair of one red and one black. Available with elther pin or banana plugs. Shpp. wt., 8 oz. Imported.
99F 50015 With Banana Plugs Net . 59 99 F 50023 With Pin Plugs

Net .59
6 FT. COLL CORD
TEST LEADS
Stretch-type color-coded coileo cord twin test leads. Furnished with 51/8 test prods on one end and pin plugs on the other end. Flexible vinyl clad wire cannot become entangled. $30^{\prime \prime}$ colled leads extends to $6^{\prime}$ Imported.
99 F 50783 Shpg. wt., 5 oz Net 1.19

## STRETCH-TYPE TEST LEADS

195


Cannot kink or become entangled. 16" coil extends to 9 feet. Includes red and black plastic handles on each end. Probe $61 / 2^{\prime \prime}$ long including tips. Shpg. wt., 6 oz . Imported 99 F 50239

Net 1.95

## MIGH VOLTAGE LEADS

Forhi-velt testing
In TV sells. Extra heavy duty.
Special finger guards. High tension wire. 22,000 volts breakdown. $48^{*}$ long. Shpg. wt., 6 ors. With phone tips.

| Stoci Na . | rype | Wt. | Per Pair |
| :---: | :---: | :---: | :---: |
| 32 F 64017 | Phone tips | 6 Oz | 2.20 |
| 32 F 64025 | Spade lugs | 6 Oz. | 2.20 |
| 32 F 84033 | Alllg. Clips | 6 Oz . | 2.40 |

Convert old test points to self holding prods. Pierces insulation of standard phone tips or needle type.
32 F 80153 Red, 2 oz.
Nel Ea. . 44
32 F 80161 Black, 2 oz.


Consists of: pair of red and black color coded $4^{\circ}$ 白" $^{\prime \prime} \times 3 / 8^{\prime \prime}$ plastic handle pin prods with $37^{\prime \prime}$ heavy duty, 5000 V rubber insulated leads terminating in coded $2^{\prime \prime} \times 3 / 8^{\prime \prime}$ banana plugs; pair of sjade lugs; pair of phono-tips; and pair of red and black insulated alligator clips. Handsome compartmented plastic case. Imported. Shpg. wi., 7 oz.
99 F 50031
Net 1.79


Completely fiexisle for difficult test situa. tions. Plunger when pushed in enables steel forked tongue to grip wire or terminal you are testing. Accepts banana plug of bare wire. $6^{\text {r }}$ long. Imported, Shpg. wt., 402.
32 F 37005 Red
32 F 37013 Black
Net 1.47
Net 1.47

# Reliable, Popular Priced Test Equipment POWER SUPPLIES, PROBES, VOLTAGE TESTERS 

## 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 12 V Output Voltages
- Up to 140 MA Output

Essential Instrument for repair of solid state equipment requiring constant low voltage. Doubles as a convenient battery eliminator for transistor radios. Highly filtered circuitry provides four output voltages: $4.5 \mathrm{v}, 9 \mathrm{v} ., 6 \mathrm{v}$. and 12 v . Voltage selection is simplified with front panel slide switches. Up to 140 MA output. Features transformer power supply and pilot light. For 117 VAC. Overall size: $51 / 4$ "W $\times 25 / 0^{\prime D} \times 21 / 2 " \mathrm{H}$. Imported. Shpg. wt., $11 / 4 \mathrm{lbs}$.
99 F 50742


- AC Ripple Less Than .025\%
- Transistorized Regulation Circuitry

Provides continuously variable voltage and current with low ripple. Excellent for operation of transistorized devices. Panel meter reads either current or voltage. SPECIFICATIONS-Output voltage: $0-20$ volts DC (continuously variable). Output Current: $0.20 \mathrm{MA}, 0-200 \mathrm{MA}$ (in two ranges). AC Ripple: less than $.025 \%$. Power input: 110-120 volts, $50-60 \mathrm{~Hz}, \mathrm{AC}$. Fully fused. Size: $61 / 4 \times 11 / 8 \mathrm{~K}^{1 / 44^{\prime \prime}}$. Imported. Shipg, wt., 2374 lbs . 99 F 50684


- Find Ground Side of Line
- Check Fuses
- Determine Ground Side of a Motor
(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 incorporztes a sliding push-up probe and a retractable probe with expanding coll cord attached that permits measurements of polnts over 3 feet apart. Voltage Levels: AC 115-220-277-440-550 Volts, DC 115-220-400-600-750 Volts. OC Polarity Indicator. Size: $6 \times 21 / 4 \times$ $3 / 4^{\prime \prime}$ with probes refracted.
38 F $13136 \mathrm{Shpg} . w t ., 11 / 2 \mathrm{lb}$.
Net 9.50
(B) VT 124 AC Probe

Same as above but $A C$ voltage levels only. Use for checking $A C$ clrcuits including 24 and 48 VAC circults in Cli. mate Control Equipment Switching Sys. tems, Electric Garage boor Operators, and Industrial Equipment Control. Levels AC: $24 \cdot 48 \cdot 115-220 \cdot 277-440-550 \mathrm{AC}$. Shpg. wt. $11 / 2 \mathrm{lbs}$.
38 F 13144

## CRT 30KV TEST PROBE

B\&K SERVICING PROBES,

As Low As


This small self.contained probe featuring a built-in voltmeter, can be used for any color or B\&W TV set. Easy to operate! Made of high impact plastic, it requlres no batteries or external power source-no warm-up time. 30,000 volts DC range; 20,000 ohms/volt sensitivity; accuracy of $\pm 3 \%$; multiplier resistance is $600 \mathrm{Megohm} \pm 2 \%$. Overall length is only $143 / 4^{\prime \prime}$. With ground wire and clip. Shpg. Wt., 12 oz.
38 F 12013

## PROTECT YOUR METER with METERGARD



Protect your meter, regardless of make against overloads. No more bent pointers, damaged pivots, or burnt out coits. Installa tion of metergard will allow your meter to withstand as much as a $10,000 \%$ overload. Shpg. wt. 1 lb .
38 F 68015
Net 2.95

## CHEK-IT ELECTRICAL CIRCUIT TESTER

1773

Here Is a handy pocket size tester which Is ideal for servicemen, schools, electricians and hobbyists. Completely portable and sim. ple to use, checks electrical continuity of line cords, switches, coils, and fuses. Ideal for checking out buzzers, chimes, and various other electrical appliances. Uses 2 inexpensive penlight cells. Shpg. wt., 3 oz . 38 F 79087 Chek-1t less batteries . Net 1.73 Battery for "Chek-It." 2 required.

Model PP-3 Dyna-Fiex 3-Point Prabe, Easy one-hand way to check transistors, dlodes and components in Printed Citcuit Boards. Needle tips are spring loaded for proper contact. Colorcoded leads terminate in insulated alligator clips.
38 F 17269 Shpg. wt., 8 oz
Net 12.95 Model HV- $\mathbf{3 0}$ Hi-Volt Probe with Detachable Meter. Direct reading $0-30,000$ VOC on separate $13 / 4{ }^{\prime \prime}$ meter. Probe length- $141 / 2^{\prime \prime}$. With case, leads and instruction manual. 38 F 17277 Shpg. wt., $11 / 2$ lbs..... Net 24.95

## LECTROCELL DC POWER SUPPLY FOR VTVM's



Qulckly replaces $11 / 2$ volt battery used in VTVM's for resistance measurements. Regular battery must be replaced at regular intervals. if it is forgotten the instrument may be ruined by chemical corrosion. Eliminate trouble by installing this power supply. Install it and forget it. Shipg. wt., 2 lbs. 38 F 68023

Net 3.95


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 demonstrate) voltage drop or inadequate wiring as a source of service problems. Shpg. wt., 8 oz .

Depend on Lafaupte For Co

# 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 $D C$ output of 5-13 or 12-20 volts. Fully regulated with continuous output current of up to 2 amp . with less than 5 mV RMS ripple at full load. Selfrestoring overload protection. Two D'Arsonval meters for coastant 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: $61 / 8 \mathrm{H}$ $\times 43 / 2 \mathrm{~W} \times 83 / 4-\mathrm{O}$. Imported. Shpg. wt., 9 lbs. 99 F 50775 Net 39.95

## EICO BATTERY ELIMINATOR AND CHARGER KITS


[0] MODEL TOGOS XIT, SPECIALLY DESIGNED FOR SERVICING ALL TYPES OF TRANSISTOR EQUIPMENT. Selection of voltage range automatically provides appropriate current range. Fused transformer primary. Continuous voltage adjustment with Variac. 2 DC ranges and dual-range ammeter for accurate readings. Ranges: $\mathrm{High}=0.16 \mathrm{~V}$. $1.5 \%$ ripple at 2 amps: $2 \%$ at 6 amps: 6 amps. continuous, 12 amps intermittent: low $=0-8 \mathrm{v}$. $0.3 \%$ ripple at $2 \mathrm{amps} .1 .5 \%$ at 10 amps. 10 amps continuous, 20 amps intermittent. Heavy-duty sillicon rectifiers. For $105-125$ volts $50 / 60 \mathrm{~Hz}$ A.C. All components and instructions included. $83 / 4 \times 101 / 2 \times 73 / 4^{\prime \prime}$. Shpg. wt., $171 / 4 \mathrm{lbs}$.
38 \& 27284 Kit $\qquad$
Model 1060. As above. but factory wired and tested.
38 F 27292
Net 49.95

- Nel 64.95

E MODEL 1064S KIT. IDEAL FOR TRANSISTOR, TUBE, "HYBRID" AUTO RADIO REPAIR. Features 2 DC voltage ranges, 6 or 12 V. DC. Separate voltmeter and dual range ammeter-up to 10 amperes continuous. Heavy duty silicon rectifiers. AC ripple: $0.3 \%$ @ 2 amperes. For $105-125$ volts, $50 / 60 \mathrm{~Hz}$; Size: $81 / 2^{\prime \prime H} \times 53 / 4 \mathrm{~W} \times 712-\mathrm{D}$. Shpg. wt., 17 lbs.
38 F 27300 Kit
Net 54.95
Model 1064. As above, but factory wired and tested. Net 69.95 38 F 27318

## NEW 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 fulfiling any other regulated voltage requirement. milliameter is fused to prevent burnout. Specifications: output Voltage: 0 to 30 volts regulated. Outpet Current: 0 to 500 ma : Voltage Regulation: 0.2 volis change from 0 to maximum load with 105.135 volt sine. Ripple: less than 2.5 mv peak-to-peak. DC Vothmeter: 0.20 volis, 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. 5 lbs . 38 F 27581 Model 1032 Kit. No Money Down*
MODEL 1032W: As above but factory wired and tested.
38 F 27599 No Money Down*
Net 59.95

## EICO 1020 TRANSISTOR DC POWER AND BIAS SUPPLY KIT

$25^{\text {kit }} 95$


- 0.6, 0.30 vDC Variablę Output Voltage


Continuously variable output voltage to 30 volts monitored by a dual range voltmeter ( $0.6,0.30$ VOC). Ideal for servicing toth tube and ransister gear. Maximum continuous oulput; :50 ma from 0-12V.: 200 ma from $\mathbf{1 2 - 2 4 v}$.i 300 ma from $24-30 \mathrm{v}$. Full-wave silicon-diode rectifier circult with R-C input filter plus two power transistors in a cascaded filter circult. Fuse protects unit against overload. Rugged steel case, $4 W=5 H \times 51 / 2=D$. For $105-125$ v., 60 Hz AC.
30 F 26955 Model 1020 Kit. Shpg. wt., 5 lbs.
Net 25.95 MODEL 1020W-As above but factory wired
30 F 26963 No Money Downt
Net 34.95

## EICO 1030 REGULATED POWER SUPPLY

Regulated B + power, 0.400 volts DC continuously variable. 6.3 and 12 volts AC filament supply. For $105-125$ VAC $60 / 60 \mathrm{~Hz}$. Wt., 25 ibs. 38 F 27144 W 1030 Kit . No Money Down* Net 99.95
38 F 27151 W Factory Wired. No Money Down*
Net 99.95

## RCA WG-307B TV BIAS

SUPPLY KIT
$13^{50}$


Designed for use in servicing and aligning both color and black and white televisicn sets Provides three separate DC output voltages, adjustable from 0 to -15 volts minimum for application in RF, IF and AGC bias circults. Has power transformer. Easy to assemble kit, For $105-125 \mathrm{~V}_{\mathrm{z}} 60 \mathrm{~Hz}$ AC. Size: $6^{1 / 8} \times 3^{3 / 4} \times 2^{\prime \prime}$. Shpg. wt., 2 lbs
38 F 46128

## Simpson and RR I VOM's and VTVM's

## Simpron MODEL 260-5 AC/DC VOM

## - 20,000 Ohms/VDC, 5000 Ohms/VAC Sensitivity

- Accuracy: $\pm 2 \%$ DC, $\pm 3 \%$ AC
- $50 \mu \mathrm{a}$ Self-Shielding and Shockproof Movement

Highly-rellable, low cost VOM famous for rugged dependabillty and outstanding accuracy. Features DC polarity reversing switch, fuli wave bridge rectifler for fast easy readings. 20,000 ohms/volt $D C$ sensitivity, 5000 ohms $/ \mathrm{V}$. AC. Ranges: $D C$ mv, $0-250 ; A C$ and $D C$ volts, $0-2.5-10-50-250-1000-5000 ;$ AF output V.; 0-2.5-10-50-250; DC $\mu \mathrm{a}, 0-50$; DC ma, 0.1-10-100-500; DC amps., $0.10 ; \mathrm{DB},-20$ to +50 in 4 ranges; resistance, $0-20$ megs in 3 ranges. Accuracy, $O C$ volts $\pm 2 \%$ F.S.; AC volts, $\pm j \%$ F.S. Housed in bakelite case, $51 / 4 \times 7 \times$ 31/8". With battery and test leads. Shpg. wt., $4 \mathrm{M} / 4$ lbs.
38 F 48595 No Money Down*
Net 65.00
Simpson MODEL 260.5P-Same fine features and ranges as Model $260-5$ but equipped with special sensor circult to prevent burned components, bent pointers, and blown rectlifiers. With battery and test leads. Shpg. wt., 6 lbs. 38 F 48470 No Money Down

Net 97.00
Simpson MODEL 260-5PRT.-Same as above, but with "roll top" safety case. Shpg. wt., 73/4 lbs.
38 F 48488 No Money Down*
Net 103.00
Simpson MODEL 270.3-Same as Model 260-5 but with mirror scale. knlfe edge pointer, self shielded annular meter. Higher accuracy $\pm 1.25 \% \mathrm{DC}, \pm 3 \%$ AC. Dimensions: $51 / 4 \times 7 \times 31 / \mathrm{g}^{\prime \prime}$. Shpg. wt. $73 / 4$ lbs. 38 F 48041 No Money Down*

Net 78.00
Simpson MODEL 270-3RT-Same as model $270-3$ but with roll top case. Shpg. wt., 5 lbs.
38 F 48058 No Money Down*

## AOD-A-TESTERS FOR 260 and 270 SERIES AC/DC VOMS

Add unlimited versatlity to all Simpson 260 or 270 Series AC/DC VOMS made since 1947 except ROLL TOP models. Turns these VOM'S into 9 different type testers. Shpg. wt., 2 lbs.

| Stock No. | Model | Type | Net |
| :--- | :---: | :--- | ---: |
| 38 F 48108 | 650 | Transistor Tester | 44.00 |
| 38 FF 48116 | 651 | DC VTVM | 52.00 |
| 38 F 48124 | 652 | Temp. Tester | 49.00 |
| 38 F 48132 | 653 | AC Ammeter | 30.00 |
| 88 F 48140 | 654 | Audio Wattmeter | 34.00 |
| 38 F 48181 | 661 | DC Ammeter | 33.00 |

## ACCESSORIES for SIMPSON VOMS

Stock Mo. Model No. For Model Description Wt. Net

| 38 F 48066 | 1818 | 260 \& 270 Serles | Leather Case | 2 | 12.00 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 38 F 48074 | 7500 | Leads | Leadst | 1 | 2.75 |
| 38 F 48082 | 0509 | 2608270 Series | 50 KV HV Probe | 1/2 | 17.00 | SIMPSON 92 PACE BOOK "1001" USES OF THE 260 SERIES VOM. A MUST FOR EVERY STUDENT, TECHNICIAN. AND ENGINEER. WT.. 1 LB. 38 F 48511

Net 1.00 38 F $480820509 \quad 260 \& 270$ Series $\quad 00$ KV HV Probe $\quad 1 / 2 \quad 17.00$ $\ddagger$ Banana Plugs


Easy-to-read 54/" meter Ranges: 8 AC voltage; 0-0.25-1.0-2.5-10-50-250-1000-5000 volts, $D C$ ingut resistance is 20,000 ohms per volt. 6 AC voltage ranges: 2.5-10-50-250-$1000-5000$ volts, $A C$ input resistance is 5000 ohms per volt. Resistance from 0 -$2,000-200,000-20,000,000$ ohms in three ranges, $D C$ current has 6 ranges: $50 \mu$ a-1-10-100-500 milliamperes, and $0-10$ amps, with full scale accuracy of $\pm 3 \%$. With leads, less battery. Size: $51 / 4 \times 32 / 8 \times 6 \% / \mathrm{B}^{\prime \prime}$. Shpg. wt., $4 \mathrm{y} / \mathrm{l}$ lbs.
38 F 96052 No Money Down*
Net 55.00
Model WG-270A-Carrying case for WV-38A 38 F 46060 shpg. wt., $1 / 2 \mathrm{ib}$......Net 5.25


Big 61/2" color-coded meter with $200 \mu a$ movement and accuracy of $\pm 3 \%$ on AC and DC. $1 \%$ precision multipier resisiors. Meter is burnout proof. Measures D-p voltages up to 4200 volts of sine waves, Range: DC volts, $0-.5 \cdot 1.5 \cdot 5-15 \cdot 50-150-500 \cdot 1500$, AC rms volts, $0-1.5-15 \cdot 50 \cdot 150-500 \cdot 1500$; Re. sistance, 0.2 ohms to 1000 ohms to 1000 megohms in 7 ranges. DC input resistance, 11 megohms. Sturdy, single-unit probe with built-in DC/AC/Ohms selector switch. Size: $7 \mathrm{~W} \times 61 / 2 \mathrm{H} \times 33 / 4{ }^{\circ \mathrm{D}}$. For $110 \cdot 130$ volts $50 / 60 \mathrm{Mz}$, AC. Shpg. wt., 8 lbs .
38 F 46102 No Money Down* ....... Net 99.00

## R(PJ WV-510 A SOLID.STATE MASTER VOLTOHMIST



A hi-quality, solld-state electronic voltmeter designed for stable, drift-free operation. Measures DC voltage from 0.01 to 1500 V , direct current from 0.01 mA to 1.5 A . ACV from 0.2 to $1500 \mathrm{~V}, \mathrm{AC}$ D.pv of complex waveforms from 0.5 to 4200 V , and resistance values from 0.2 ohms to 1000 megohms. Seven overlapping ranges for $A C$. resistance and current measurements; eight ranges for DC voltage measurements. Accuracy is $\pm 3 \%$. With DC/AC-Onms probe \& cable, slip-on alligator clip and leads. $110-135 \mathrm{~V}, 50-60 \mathrm{Mz} \mathrm{AC}$. Size: $67 / 8 \times 51 / 4 \times 31 / a^{\prime \prime}$. Shpg. wt., $31 / 2$ lbs.
38 F 46482W No Money Down* .... Net 128.00

# High Accuracy Tiniplett \& Unimetrics VoW's 

## TRIPLETT 310 FET POCKET VOM

## NEW TRIPLETT 602 LOW COST SOLID STATE VOM

Hand-held, battery operated volt-phm-milliammeter featuring field effect transistorized circultry. 10 megohm input resistance on all DC voltage ranges. High Sensitivity ( 300 mv (s) allows transistor blas measurements. Features provisions for altaching clamp on AC ammeter adapter (see below). Accuracy of $\pm 3 \%$ on $D C$ and $\pm 4 \%$ on $A C$, zero center for nuli measurements, and a polarity reversing switch. Ranges: DC Volts: $0-0.3-1.2-6-30-$ 120-600; AC Volts: $0-3-12-60-300-600$; Re. sistance: $0.5 \mathrm{~K}-500 \mathrm{~K}-50$ megohms; DC Current: $0 \cdot 0.12-1.2 \mathrm{ma}$. at 300 mv . 38 F 72009 sinpg . wt., 1 t/2 lbs.

Net-74.00 MODEL 10 AMMETER ADAPTER. Clamp on type ammeter, plugs into 310-FET. Jaws clamp around single conductor to measure $0-6-12 \cdot 30-60-120-300 \mathrm{amp}$ AC. Shpg. wt. 1 lb 38 F 73072 Net 20.00 MDOEL 379. Leather case. Holds 310 and 10. 38 F 73080 Snpg . wt., $12 \mathrm{oz} . \quad$ Net 8.40 MODEL 101 LINE SEPARATOR-Divides two conductor cords, increases sensitivity $10 x$ and 20x. For model 10.
38 F 73098 Shpg. wt., 2 lbs ___ Net 8.00

## FAMOUS TRIPLETT 630 VOMS

$64^{00}$

- Burnout-Proof in Ohmmeter Ranges
- Large

Easy-To-Read 51/2-Meter

- Single Selector Switch

MODEL $630-51 / 2^{\omega}$ meter with spring-backed jewels and $1 \%$ precision Resistors. Accuracy, $2 \%$ on DC, $3 \%$ on AC. Single 20 position selector switch. Ranges: DC and AC volts, $0-3-12-60-300-1200-6000$ (DC at 20,000 ohms /volt, AC at 5000 ohms $/ \mathrm{v}$. ); Ohms, 0.1 k -10k-and 1.2-100 megohms, low reading to .1 ohm . DC current, $0-60 \mu \mathrm{~A}, 0$, 1-12-120 ma and $0-12 \mathrm{amps}$. DB, -20 to +77 ( 600 ohm line at 1 mw ); output $v ., 0-3-12-60-300-1200$; jack with condenser in series with AC ranges. Molded fuity insulated case, $31 / 22 \times 542 \times$ $7 V_{2}{ }^{\prime \prime}$. With battertes, leads.
38 F 73049 Shpg. wt., $44 / 4 \mathrm{lbs}$. - Net 64.00 MODEL 630 -Ns. Deluxe VOM featuring 200,000 ohms/volts DC. Rugged $5 \mu \mathrm{~A}$ suspension meter movement has $51 / z^{\prime \prime}$ 2-color mirror scale. Accuracy, $1 \geqslant \%$ DC, $3 \%$ AC, 62 ranges. $A C / D C$ volts to 1200 v . $D B,-20$ to +77 in 10 ranges. Current measurements from $0.1 \mu \mathrm{a}$. With batteries, veads. $3^{11 / 32} \mathrm{x}$

38 F 73023wx $\quad$ Black Cowhide Case for 630 and Get 116.00
Black Cowhide Case for 630 and G30NS.
38 f 73171 Shpg. wt., 2 ibs. Net 12.60


## Famous Brand Tube and Transistor Checkers

NEW B\&K 466 CRT Tester/Rejuvenator


- Test All New CRT's Types Including Trinitron

$129^{95}$

- Checks And Rejuvenates CRT's In TV Set
- Monitors Rejuvenation
- Checks And Repairs Each Color Gun

Indicates picture tube quality. Checks color or black and white CRT's for leakage, shorts, opens, emission. Rejuvenates virtually alt CRT's. Exclusive Feature: "Monitored Rejuvenation"-you can watch the emission change as you reiuvenate CRT. Operates tubes at correct fliament voltage. Handles H1, G2, and Lo G2 tubes. Comes equipped with 3 multisocket adapters for testing all new CRT's including Trinitrons. Measure Gt voltage. Color coded G2 controls. Large 33/4" precision meter with scale coded to front panel controls to prevent errors. Plastic/aluminum type attaché carrying case. Size: 131/a $\times 91 / 2 \times 54 /{ }^{\omega \prime}$. For $105-125 \mathrm{~V} 50-60 \mathrm{~Hz} \mathrm{AC}$. Shpg. wt., 8 lbs. 38 F 17327 WX No Money Down*

Net 129.95

NEW B\&K 607 Solid State Tube Tester


- Tests Newest Tube Types - Plus All

$114^{95}$Old Types Used In IV and Radio, Nuvistors, Novars, Magnovals, New 10.Pin Tubes and 12.Pin Compactrons

- Tests Voltage Regulators, Thyratrons, Audio Radio Hybrids, Imported Hi.fi Tubes and Many Industrials and Specials
Portable tube tester offers full obsolescence protection, fast set up -only 4 settings and in some cases 3 for quallty testing. 10 Exclusive multiple-pin lockout pushbutton switches. Opens any and alt pins in tube under test-ALL tubes now can be tested for shorts; positively detect ALL shorts regardless of pin connectlons; eliminate all FALSE shorts. Reset button clears all lockouts. Checks tubes ac-curately-under simulated load conditions. Exclusive grid leakage and gas tests. Simplified heater voltage setting. Power "ON" indicator. Very high load plate voltage capability. "Computer-styied' handsome attachétype case for professional appearance. Size $131 / 4 \times 91 / 2 \times 4^{\prime \prime}$ D. Operates from $105-125 \mathrm{v}, 60 \mathrm{~Hz} \mathrm{AC}$.
38 F 17335 wx Shpg. wt., 7 lbs. No Money Down*
Net 114.95

RCA Deluxe WT-501A
Transistor Tester


## B \& K 707 Mutual Conductance Tube Tester



With Special Reference Book for Testing Transistors and FET's

## $199^{95}$



- Tests All New And Old Type Tubes
- Virtually Obsolescent Proof
The deluxe " 707 " measures true dynamic mutual conductance in seconds. Tests all new type tubes including nuvistors, 10 -pin types, 12 -pin compactrons, hybrids, European types, voltage regulators. thyratrons etc. and provides for future new soctets. Checks for all shorts, grid emission, leak. age and gas. Large $41 / 2^{\prime \prime}$ meter with easy-to-read "Replace-Good" scale for quick life tests. Checks each section of multi-grid tubes separately. Lists commonly used tube types on panel with complete listing of cover reference chart. Includes 7.9, and 10-pin tube straighteners and handsome $\mathrm{wt} .161 / 4 \mathrm{lbs}$.

[^14]
## Signal Generators, Scopes \& Capacitor Checkers

8 \& K MODEL 10778 COLOR AND B\&W TV ANALYST


- For Checking Every Stage In a Color and B\&W TV Receiver - With Solid-State Sweep Drive
Designed to simplify and speed servicing of black and white, color, UHF, VHF, tubetype and transistorized TV receivers. Permits you to Inject your own TV signals at 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 heylng pulse ARE ALL AVAILABLE. Checks B+ boost and gives high voltage indication. Provides 3 -color receiver test pattems: White dot, cross hatch, color bar. Complete with test leads and standard test pattern slide transparencies. For 105-125V., 60 Hz AC. Size: $17 \times 10 \mathrm{y}$ a $\times 10^{\prime \prime}$. Shpg. wt., 32 lbs.
38 F $17301 w x$.

B 2 K 1450 OSCILLOSCOPE WITH VECTORSCOPE FEATURE


- Intermittent Analyzer with Visual Indicators and Electronic Memory Plus Remote Alarm

> A deluxe instrument in every respect. Features Automatic Synchronization-that makes patterns stand still regardless of amplitude, and will actually sync a 10 MHz signal. Double scale Calibrated Screen reads peak-to-peak yoltages directly. vectorscope inputs and controls. Shows vector patterns exactly as specified by color TV manufacturers. 2 axis input. Has horizontal/veritical push-pull amplification. Response: vertical, $\pm 3 \mathrm{db}$., 1 Hz to 400 kHz . Sensitivity: vertical, 50 mV rms/inch: horizontal, 0.6 volts rens/inch. Sweep: 5 Hz to 500 kHz . Synchronization: automatic. + and - INT., 60 Hz , EXT. $17 \mathrm{~V} / 4 \mathrm{DX}$ $133 / 4 \times 83 / 4{ }^{\prime} \mathrm{W}$. For $110 \cdot 120 \mathrm{~V}$. 60 Hz AC . 3 F 17236 wx Shpg. wt., 27 ibs. Net 299.95

MEW MERCURY 3000 5" OSCILLOSCOPE/VECTORSCOPE

## N.W B \& K PRECISION 200D SOLID-STATE RF GENERATOR

 $159^{95}$- Built-in Crystal Calibration
- 100 kHz to 216 MHz In 5-Bands


Features $100 \%$ silicon transistor circultry, zener-regulated power supply, 6-individually shielded step attenuators, variable fine output level control, and calibrated 200 ma $0^{\prime}$ Arsonval meter. Range: 100 KHz to 54 MHz on fundamentals ( 5 ranges), and 54 to 216 MHz on harmonics. Outputs: modulated RF, unmodulatedRF, external modulated RF, 400 Hz audio. For $110-130 \mathrm{~V} ., 60 \mathrm{~Hz} \mathrm{AC}$. Size: $123 / 4 \times 7 \mathrm{y} / 4 \mathrm{x}$ $8^{\prime \prime}$. Shpg. wt.. 16 lbs.
38 F 17319 wx No Money Down*
Net 159.95

## RCA WR 50B RF SIGNAL GENERATOR

## $72^{00}$

## with SWEEP FEATURES

Ideal for aligning and trouble-shooting $A M, F M, T M, C B$ and Ham receivers. Provides tunable output from 85 kHz to 40 MHz in 6 ranges on fundamentals, CW or modulated RF. Dlal calibration accuracy $\pm 2 \%$. Built-in 400 Hz audio oscillator for internal or external modulation. Front panel crystal socket for oscillator calibration. Shlelded outputs. 53/a WI $73 / 4 H_{x} 43 / 4 \mathrm{D}$. For $105-130$ v., 50/60 Hz AC. Shpg. wt., 7 lbs. 38 F 46318 Net 72.00


## SPRAGUE MODEL TO-6 TELOHMIKE CAPACITOR ANALYZER

## - Designed for Versatility, Accuracy, Safety and Convenience

A moderately priced instrument for complete analysis of all types of capacitors, including low-voltage capacitors, at a guaranteed accuracy of $\pm 3 \%$ for values to 200 mld . and $\pm 5 \%$ from 200 mid . up. Capacilance bridge measures capacity in five ranges from 1 mmf to 2000 mfd , with color-keyed pushbutton range selection, Large meter directly Indicates insulation resistance up to 50,000 megohms for paper, ceramic and mica capacitors. Wien bridge measures power factor of electrolytic capacifors from 0 to $50 \%$ in three ranges. Leakage current of electrolytic capacitors measured directly on meter. with continuously variable test voltage up to 600 volts. Burn-out-proof meter; satety switch. $87 / 8 \times 147 / \mathrm{m} \times 61 / \mathrm{m}^{\prime \prime}$. For $110-120 \mathrm{v}$ $50 / 60 \mathrm{~Hz}$ AC. Shpg. wt., 18 lbs.
32 F 70011 wx
Net 149.50
MODEL TO-65 Same as TO. 6 except for $115-230 \mathrm{VAC} / 50 \mathrm{~Hz}$.
38 F 70029 wx
Net 156.50

## $149^{50}$

No Money Down*


- Tests Low-Voltage Capacitors Used in Transistor CIrcuits Without Damage


## EICO VTVM's and VOM's-Kit or Factory Wired




MODEL 235K PROFESSIONAL VTVM KIT
Deluxe VTVM features $6^{\circ} 200$ micro-amp meter. 1/2-volt full scale DC range for transistor serv. leing. AC/OC "Uni-Probe", and $1 \%$ precistion multipilier resistors. Ranges: ' $\mathrm{AC} / \mathrm{DC}$ volts, $0=0.5$, 1.5 , $5,15,50,150,500,1500$; p-p volts, 0.4 , 14, 42, $140,1400,4200$; resistance, 0.2 ohms to 1000 megs in 7 ranges. Response: 3 Hz to 3 MHz . Accuracy: $3 \% \mathrm{AC}$ and DC . Has 11 megohm DC input supplied with uniprobe. for 117 v., $50 / 60 \mathrm{~Hz} \mathrm{AC}$. Size: $81 / 2 \mathrm{H} \times 7 / 4 / 2 \mathrm{~W} \times 5^{\prime \prime} \mathrm{D}$. Shpg. $w \mathrm{t}$., $83 / 4 \mathrm{lbs}$. 38 F 27169
Model 235. As above, but factory wired. 38 F 27177

Net 54.95
Net 79.95

## MODEL 232K PEAK-TO-PEAK

## VACUUM TUBE VOLTMETER KIT

A prealsion-unit with advanced engineering. features. 11 megs input impedance. $1 \%$ precision ceramic multiplier resistors used. Measures directly peak to-peak voltage $0.4,14,42,140,420,1400,4200$. OC/RMS sine volts: $0.1 .5,5,15,50,150,500,1500$ (up to 30,000 volts with Hip probe, and 250 MHz with PRF probe). Ohms: 0.2 ohms to 1000 megs in $\overline{7}$ ranges. Easy calliration. $4 / 3 /$ " $^{\prime \prime}$ meter, can't-burn-out circuit. Zero center. With $A C / D C$ Uni-Probe. Excep tional stability and accuracy. All components and instructions supplied. For $105-12550 / 60 \mathrm{~Hz} \mathrm{AC}$. Size: $81 / 2 \times 5 \times 5^{\prime \prime}$. Shpg. wt., 6 lbs. 38 F 26179 Model 232 Kit

Net 34.95 Model 232. As above, but factory wired. | Model 26187 |
| :--- |

Net 49.95

FAMOUS 500 SERIES VOM KITS


MOOEL 566K. Large $41 / 2^{\prime \prime}$ meter features: AC/DC sensitivity of 1 K ohm/v. totals 38 ranges: $A C / D C$ volts: $0-1.5-10-500-5000 \mathrm{AC}$ / DC. Current: 0.1-10 m.a. 0-0.1-1 amps. 0hms: 0.5K. 100K-1 meg. 0B: -20 to +68 in 6 ranges. All components and instructions supplied. $63 / 4 \times 5 \mathrm{H} / 4 \times 3^{\prime \prime}$. Shpg. $w t_{2}, 31 / 4$ los. 38 F 26013 Model 566 Kit ........ Net 19.95 Made! 566. As above, but factory wired. 18 F 26021 Net 27.95 Model 556 K . Same as 566 K but with $1 \%$ resistors. Shpg. wt., $31 / 4 \mathrm{lbs}$.

## 38 F 26039

Net 21.95
Model 556. As above, but factory wired.
30 F 26047 ........................... 295
MODEL 536K (Not lilustrated). Outstanding value. $3^{\text {" }}$ meter features $A C / D C$ sensitility of $1 \mathrm{~K} \mathrm{ohm} / \mathrm{v} .31$ ranges- $A C / D C$ volts: $\mathbf{0 . 1 . 5}$. 10-50-100-5000. AC/DC current: $0.1-10 \mathrm{ma}$. $0-0.1 \mathrm{amp}$. ohms: 0.5 K ; $100 \mathrm{~K}-1 \mathrm{meg}$. DB -20 +69 in 6 ranges. All components and in. structions supplied. $61 / 2 \times 33 / 4 \times 23 / 4{ }^{2}$. Shpg. wt., 3 lbs.
39 F 26054 Modei 536 Kit ...........Net 16.95
Model 536. As above, but factory wired. 38 F 26062

Net 22.95
MODEL 540K UTILTTY TESTER KIT


An all-in-one Multi-Range RC/OC voltmeter, ammeter, ohmmeter, watmeter and leakage checker. Indispensable in home repairs of electrical appliances, and in automative trouble-shooting of batteries, 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 sup. plied. $33 / 4 \times 61 / 2131 / 2^{2}$. Shpe. wt., $23 / 4$ lbs. 30 F 26245 Model 540 KII ........Net 15.95 Model 540 . As above, but factory wired. 38 F 26252

EICO PROBES

## Model MYP-5 Mi-Voltaqe Probe with Beilt-in

 Meter - wired only. Light, compact! A must for servicemen, engineers and technicians. Measures up to 30 ky . Barriers are provided to isolate high voltage fio from probe handle and meter. Shpg. wt., 13 oz .38 F 27557
...Net 22.95
HVP2 FV PROBE - wired only. Extend range of VTVM to $30,000 \mathrm{v}$. Shpg. wt., 1/2 lb.
38 F 26344
PRF-11K- 11 meg RF probe kit.
38 F 26286 Shpg. wt., $1 / 2 \mathrm{tb}$.
Net 8.95

PRF-11-As above, Factory wired. 36 F 26294 Shpg. wt., $1 / 2 \mathrm{lb}$.

Net 4.50
Net 5.95

## EICO Tube and Transistor Checkers-Kit or Factory Wired

MODEL G80K TRANSISTOR
\& CIRCUIT TESTER KIT



- Measures Transistor ICBO, ICEO, DC Beta
- 20X Ohm per Volt VOM For Testing Transistor Circuits
Accurately measures basic transistor and Aclode characteristics. Checks ICBO, ICEO, OC Beta; simulated AC Beta. 20,000 ohms volt meter includes 5 DC current range. I.CBO/IC ranges: 50 ua . $500 \mu \mathrm{z}, 5 \mathrm{ma}, 50 \mathrm{ma}$, 500 ma . Transistor DC Beta ranges: 2 to 30 , 20 to 300 Test Positions: ICBO, ICEO, PWR, ICBO, PWR. ICEO, B CaI, Read B. DC voltage ranges: 5 V and $50 \mathrm{~V}, 3$ resistance ranges: ( 0 to 2.000, o to 200, 000,0 to 20 megohm). $\pm 3 \%$ accuracy. Self-powered. With leads, batteries. Bakelite case $6 \mathrm{H} \times 5 \mathrm{~W} \times 3^{\mu} \mathrm{D}$.
38 F 26856 Kit Shpg. wt., 3 ivs. Net 34.95 Model 680. Same as above, but factory wired.
38 F 26864
Net 49.95


## MODEL 635K PORTABLE TUBE TESTER KIT



## - Extremely Portable Design

Tests new Decals, Magnovals. Novars, Nuvis lors. Compactrons, 10 pin, foreign, hi-fi, industrial types, and all popular TV picture lubes. Rapid tests for dynamic cathode emis sion, shorts, grid leakage, and gas. Even where internal pins are tied or heater is tapped, shorts can be detected. $31 / 2^{\prime \prime} D^{\prime A}$ sonval type meter protected against burnout Other features include: meter bridge circuit for assured accuracy; pin straighteners; fong life phosphor bronze sockets; short and grid leak indicator; power indicator; modern lug gage design, scuff-proof case. Includes comgiete tube chart. $81 / 8 \times 113 / 4 \times 31 / 4^{-7}$. Shpr. wt. 8 tbs .
38 F 27383 Kit Net 44.95 Model 635 - As above, but factory wired. 38 F 27391

MODEL 685 DYNAMIC SEMI-
ONDUCTOR \& CIRCUIT ANALYZER NEW


- Neasures FET and Bipolar Transistors
- Test Transconductance and Beta-In and Out of Circuit


## - Built-In Voltmeter and Ohmmeter

Tests FET, Bipolar and Unijunction transis tors, sulicon Controlled Rectifiers, Pawer Rectifiers, Signal Diodes, and Zener Diodes. Built-in DC voltmeter and ohmmeter, 0.500 volts, 400 ohms 10 megohms. $1 \%$ resistors 5 C ра Taut Band meter. AC beta test from 2 to 1000 on power and small signal devices. from 2 to 100 on RF transistors. $0-50,000$ micromhos AC transconductance readings, IDSS. IGSS and pinch-off voltare readings Bipolar Transistor Tests: AC Beta 2-100 at $1 C=0$. 2 ma for RF devices. For 120 VAC 60 Hz . Size (HWD): $121 / 2 \times 81 / 2 \times 6^{\prime \prime}$ 38 F 27623 Model 685 KIt wt 9 Ibs Net 8.95 Mocel 685. Same as above but factory wired. 38 f 27631 w

MODEL G28K CATHODE CONDUCTANCE TUBE TESTER KIT


- Test All New Tube Types

Cathode conductance type of tube teste features 13 individual lever switches for complete flexibilty. Tests 7,9 and 10 pin miolatures, octal, loctal, 5 and 7 pin nuvis. tors, novars and compactrons. Pilot light socket. Tests VR's and "eye" tubes. Tests for short and open elements. Also tests all color and black and white CRT's with optiona color and protective overload lamp shows adaptor. Protective overload lamp shows transformer overloads and acts as fuse, 3 column roll chart frequently revised for up to-4ate data, $44 / 2^{\prime \prime}$ meter. With all parts and inslructions for $105-125 \mathrm{~V} 60 \mathrm{~Hz} \mathrm{AC}$. Size: $121 / 2$ Wx91/2Hx41/2"D. Shpg. wt., $121 / 2 \mathrm{lbs}$. 38 F 26559 Kit.

Net 59.95
Model 628 as above, but factory wired. 38 F 26567 Net 79.95


- Tests, Repairs, Rejuvenates Color or B\&W CRTs
- Luggage Case Holds 5-Socket Cable and Line Cord
Universal multi-socket cable accommodates any black and white or color CRT. 3-range filament voltage setector. Grid cut-off voltage and filament voltage read on $41 / 2^{2}$ meter also beam current on a 3 -color BAD. 1-G00b scale. Neontamp circuit for short. open testing. 6 push-buttons enable Instantaneous measurement without danger of CRT damage. Spring-return repair pusth-button is used to apply 1000 VDC for tejuvenate proc. ess. For 205.130 Volts $\mathrm{AC}, 60 \mathrm{~Hz}$. Size: 12 W $\times 93 / 4 \mathrm{H} \times 5^{\circ} \mathrm{D}$. Shpg, wt. $113 / 4 \mathrm{lbs}$.
38 F 27367 Kit.
Net 69.95 Model 633 as above, but factory wired. 38 F 2737 Ew ......................... 99.95


## MODEL 667K OYNAMIC CONDUCTANCE TUBE AND TRANSISTOR TESTER KIT




- Separate Plate, Screen, and Grid Switches
- Test All New Tube Types

Combines a mutual conductance test with a peak emission test to give a single reading of tube quality. Also checks transistors for leakage and beta. Tests almost every domes. tlc or foreign tube including nuvistors, novars, compactrons miniatures, subminiatures, octals and loctals. Tests special purpose, eic. Multi-circult level switch: 15 tubeelement pushbutton switches. $41 / 2^{\prime \prime} 200 \mu \mathrm{a}$ D'arsonval meter; roll chart. Steel case, for $105.130 \mathrm{v}, 50 \mathrm{~Hz}$ AC. $12 \times 15 \times 412^{\circ}$. Shpg. wt. $203 / 4 \mathrm{Jbs}$
38 f 26526 w
Net 89.95
Model 667 as above, but factory wired.
33 F 2853 AW
Net 139.95

# EICO Signal Generators - Kit or Factory Wired <br> MODEL 150 SOLID-STATE 

SIGNAL TRACER KIT


Multi-purpose signat tracer! Provides com ponent substitution of output- transformer and speaker, Has indepenedent RF and audio inputs; speaker and calibrated meter output indicators. Ideal for troubleshool. ing AM, FM and TV recelvers as well as hi-ll and PA audio equipment. Migh frequency RF point contact crystal demodula. tor probe and direct audio probes are pro vided. SPECIFICATIONS: Output 400 mw . Input for rated output-RF 1 mV , audio 63 mv . Hum-better than 60 db below 400 mw . Meter movement - 200 UA. For 105-132VAC., $50 / 60 \mathrm{~Hz}$. Size: $71 / 2 \times 81 / 2 \times 5^{\circ}$ D. Shpg. wt., $81 / 4 \mathrm{lbs}$.

39 F 27516 kit $\qquad$ Net 49.95
Model 150 as above but lactory wired
38 F 27524 No Money Down* Net 69.95
MODEL 379 SOLID-STATE SINE/SQ WAVE GENERATOR KIT


- Covers 20 Hz to $2 \mathrm{MHz} \operatorname{In} 5$-Bands

Simultaneous Sine and Square wave outputs! Frequency Range: Sine Wave -20 Hz to 2 MHz , Square Wave - 20 Hz to 200 kHz ; Output voltage: Sine Wave -0.7 .5 volts ims into high impedance output, $0-6.5$ volts into 600 ohms; Square Wave -0.10 volts peak-topeak into high impedance. Accuracy: $3 \%$. For 105-132VAC., $50<60 \mathrm{Mz} .71 / 2 \times 81 / 2 \times 81 / 2{ }^{2}$. 38 F 27532 Shipg. wt., 9 lbs. Net 69.95 Model 379 as above but factory wired. 38 F 27540 No Money Down* $\qquad$

## MODEL PSI SIGNAL

## INJECTOR PROBE KIT

pockel size, cordless, pen type in strument generates and injects a signal covering the audio, IF, and RF spectrum. Contains a solid state oscillator powered by two long. life $11 / 2$ volt penlight cells. Can be coupled into mag. netic pickups and circuits without leads. Oscillates at 1000 kHz with harmonics to 30 MHz . Impedance: 10 K ohm. Size: $55 / /^{\prime \prime}$ long $x$ 1/2" diameter. 34 F 27359 Kit. Wt., $40 \mathbf{0}$. - Net 5.95 38 F 27342 Factory wired ... Net 9.95


A deluxe instrument with superb testing facifities, engineered for high sensitivity as well as good zudio quality. Features high gain RF and low galn audlo channels. 8oth visual and aural monitors. With shielded RF crystal demodulator, valuable noise locator circuit, built in calibrated wattmeter, substitute test speaker, amplifier and output transformer. Output for VTVM or scope. Triode input circuit for extreme tow nolse. Hum free operation. Complete with all components and instructions with probes. For 105-125 VAC $50 / 60 \mathrm{~Hz}$. $8 \times 10 \times 4 \frac{1}{4}{ }^{\prime \prime}$. Shpg. wt., 11 lbs .
38 F 26617 KIt . $\qquad$ Net 36.95
Model 147A. As above, but factory wired,
38 F 26525 No Money bown* .......Net 49.95

## MODEL 377K

AUDIO GENERATOR KIT


- Sine Wave: $20-20,000 \mathrm{~Hz}$ In 4 Bands
- Square Wave: $60-50,000 \mathrm{~Hz}$

Modet 377 features R.C (Wein Bridge) oscillator circuit with 1\% precision resistors. includes choke filtering in the power supply. Excellent callibration accuracy, stability and purity of wave-form. Response: $\pm 1.5 \mathrm{db}$, 60 $150,000 \mathrm{~Hz}$. Distortion less than $1 \%$. Hum less than $0.4 \%$. Accuracy $3 \%$. For 117 VaC. $60 \mathrm{~Hz}, 50$ watts. Size: $7 \mathrm{~L} / \mathrm{B} \times 11 \mathrm{~L} / \mathrm{ex} 75 \mathrm{~m}^{\prime \prime}$.' Shpg. wt., $143 / 4 \mathrm{lbs}$.
$38^{\prime \prime} \mathbf{2 6 6 3 3}$ kit $\quad$ Net 44.95
Model 377 As above, but factory wired 38 F 26641 No Money Down …Net 59.95

MODEL 324K<br>RF SIGNAL GENERATOR KIT



For IF-RF allgnment, signal tracing and trouble-shooting of $\mathbf{N}, F M, A M$ sets all on fundamentals; marker generator for alignment of new h-f and olderL FTV IF's. Range: $150 \mathrm{kHz} \cdot 145 \mathrm{MHz}$ on fundamental: 111-435 MHz on calibrated harmonics - $\pm \mathbf{1 . 5 \%}$ frequency accuracy. Internal 400 Hz sine-wave modulation variable from $0.50 \%$. Colpitts oscillator. Variable gain external modulation amplifier; Turret-mounted, slug-tuned colls. RF output 100,000 microjolts. AF output up to 10 volts. Output Impedance is 50 ohms. For $105-125 \mathrm{~V}$. AC $50 / 60 \mathrm{~Hz}$. Size: $8 \times 10 \times 43 / 4^{\prime \prime}$. Shpg. wt. $91 / 4$ tbs.
38 F 26591 KJt. $\qquad$ Net 34.95
Model 324 . As above, but factory wired.
38 F 26609 No Money Down* ..... Net 47.95

> MODEL 369K TV-FM SWEEP
> MARKED GENERATOR KIT


- Aligns TV and FM IF's

Features post injection marker and sweep circult, Sweep gen. is independent of marker gen. and feeds sweep signal only to IF strip being aligned. 5 ranges, from 3.5 MHz to 220 MHz . Impedance: 50 ohms, Varłable frequency Marker: 4 ranges, $2-225 \mathrm{MHz}-2.75$ MHz in Fundamentals, to 225 MHz in Harmonics. Fixed Frequency Marker: 4.5 MHz . crystal included. For $105-125 \mathrm{~V}, 60 \mathrm{HZ}$ AC. Sire: $121 / 2 \times 81 / 2 \times 7^{\prime \prime}$. Shpg. wt., $173 / 4$ lds. 38 F 26674W Kit Model 369. As above, but factory wired. 38 F 26582 Wx No Money Down* Net 149.95

## MODEL 385 SOLID STATE゙COLOR BAR GENERATOR KIT



## - 10-Bar Color Display plus Dot and Crosso hatch Pattern

Crystal-controlled, portable unit. Feeds directly into antenna terminals on TV. Produces 10 -bar color display plus a well defined dot and crosshatch pattern. Provldes Individual horizontal and vertical lines for convergence adjustments. A color-coded gun killer can eliminate 1,2 , or 3 colors, Operates on 6 " $C$ " cells. $21 / 2 \times 81 / 2 \times 8$, shpg. wt., 7 lbs .

# EICO Miscellaneous Instruments - Kit or Factory Wired 

R\&C 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 VOC intermittent, 1000 VOC test. Accuracy $\pm 1 \% .9 \times 34 / 2 \times 31 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., 3 lbs.
38 F 26799 Kit $\qquad$ Net 24.95 38 F 26807 As above but wired Net 34.95

1171K RESISTANCE DECADE KIT Substifute equivalent values of resistance in a circult. From 0 to 99,999 ohms in 1 ohm steps in 5 decades. Uses $0.5 \%$ accurate resistors, Comparator switch permits instant substitution. $12 \mathrm{~L} \times 31 / 2 \mathrm{~W} \times 3^{\prime \prime} \mathrm{D}$. Less leads. Shpg. wt., $31 / 4$ los.
38 F 28773 Kit
Net 29.95
Model 1171 Same as above but factory wired 38 F 26781 No Money Down* Net 39.95

> EICO 330 SOLID STATE
> RF SIGNAL GENERATOR KIT


Wide-range RF generator for aligning TV's, AM and FM radios and communications equipment. Coarse and fine level controls for both the modulated and unmodulated RF output. RF Fundamental Frequencies. 100 KHz to 54 MHz in 5 bands; Output: more than $300,000 \mu \mathrm{~V}$ into 50 ohm load; RF Coarse Attenuation: three steps; RF Fine attenuation: $\mathbf{0 . 1 0 0 \%}$; Internal Modulation: approx. 400 Hz from $0.100 \%$; Power requirements: $105.132 \mathrm{~V}, 50 / 60 \mathrm{~Hz} \mathrm{AC}$, Size: $71 / 2^{\prime \prime} \mathrm{H} \times$ $81 / 2^{\prime W} \times{ }^{2} " \mathrm{D}$. Shpg. wt.' 5 lbs.
38 F 27656 Model 330 kit ${ }^{24}$ Net 59.95
Model 330 as above but factory wired:
38 F 27649

MODEL 950K R-C BRIDGE \& RCL COMPARATOR KIT


## $29^{95}$

WIRED
$44^{95}$

- Comparator Range Allows the Use of Complementary Components as Standards
Cambination RC brldge and comparator, a direct reading ratio scale for comparison measurement of capacitance, resistance and inductance with a "standard" complimentary component. Measures (in 4 ranges) 0.5 ohms to 500 megohms; 10 mmf to 5000 mfd . Comparator range: 05 to 20. Variable DC polarizing voltage from 0 to 500 V tests capacitors for leakage and shorts. "Eye"-tube null indicator. Less leads. For 105.125 V . $60 \mathrm{~Hz} \mathrm{AC}$. Steel case. $8 \mathrm{H} \times 10 \mathrm{~W} \times 43 / \mathrm{m}^{\prime \prime} \mathrm{D}$. Shog. wt., 10 lbs.
38 F 26898 Kit
Net 29.95
Model 950. Same as above but factory wired 38 F 26906 No Money Down* .... Net 44.95
MODEL 1140 SERIES/PARALLEL
RC SUBSTITUTION BOX KIT


A versatile series paralleI RC combination substitution box with swltch ing facilities for selection of any $R$ alone, any $C$ alone, or $\mathbf{1 3 5 0}$ fombinations of $R$ and $C$ in series 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 clicuit positions provided. Can be substlituted in circult to determine values. Convenient 5 -way jack binding posis. $63 / 4 \mathrm{Hx} 51 / 4 \mathrm{~W} \times 2 \mathrm{z} / \mathrm{m}^{\prime \mathrm{D}} \mathrm{D}$. Shpg. wt., 3 lbs . 38 F 26872 KIt

Net 17.95
Model 1140. Same as above but factory wired and tested.
38 F 26880
Net 27.95

## MODEL 944K FLYBACK TRANSFORMER AND YOKE TESTER KIT

Provides a positive check, in just a few seconds, on all types of flybacks and yokes, bo:t in out e? the circult Operates on extremely sensitive griodip principle to show up even one shorted turn. Separate callbration settings for alr-core flybacks and yokes to assure accuracy in testing both types. Large, easy-to-read $41 / 2^{\prime \prime}$ meter, with three colored scales. Tube complement: one 6K6. 105.125V. AC, 60 Hz .7 " $\times 5$ " $\times 4^{\prime \prime} 0$. Shpg. Wt. $5 \frac{34}{4}$ lbs.


MODEL 888 SOLID STATE ENGINE ANALYZER KIT


- Large 6" D'Arsonual 2 Color Meter Seven professional encine and iznition syskems in one. Determine the condition of batlery, starter, ignition coil, distributor, voltage regulator, alternator or generator. Performs on 4, 6, or 8 cyllider, 6 or 12 voits. pos. or neg. grounded systems. Self-powered, (4. "O" cells not included). SPECIFICATIONS: Dwell 0 to $45^{\circ}$ for 8 cyl., 0 to $60^{\circ}$ for 6 cyl ., 0 to $90^{\circ}$ for 4 cyl.; RPM - 0 to 1200 and 0 to 6000 fer 4,6 , and 8 cyl .; Voltage -0 to 3.2 and 0 to 16 V . DC; Ohms - 0 to 20 ks for general continuity and alternator diode testing; Current - 0 to 90 amps. DC. $111 / 2 \times$ $6 \times 5^{\prime \prime}$. Shpg. wt., 9 lbs.
38 F 27227 kit
Net 49.95
Model 888 as above but factory wired 38 F 27235 No Money Down*

Net 69.95
MODEL 955K IN-CIRCUIT
CAPACITOR TESTER KIT


WIRED


- Test Capacitors In or Out of Circult
- Electron Ray Tube Indicator Provides Easy Reading
- Tests For Shorts and Opens In or Out of Circuits

Clecks for shorts (even In the presence of as little as 1 ohm shunt resistance). Checks for opens; capacitors as small as 15 mmf , in or out of clrcuit: Wien bridge circuit measures capacitance with $\pm 10 \%$ accuracy between 0.1 mf and 50 mf at any point on the $4^{\text {a }}$ luctte dial-product, convertible into dissipation or power factor-indications visibla on electron ray tube. Includes fine adjust central. For $105-130 \mathrm{VAC}$. Size: $81 / 2 \mathrm{H} \times 53 \mathrm{WW}$ $\times 6^{\circ} \mathrm{D}$. Shpg. wt., $63 / 4 \mathrm{lbs}$
38 F $2691<$ Kit
Net 24.95
Model 955. Same as above but factory wired. 33 F 26922 No Money Down* .....Net 39.95

FICD Oscilloscopes-Kit and Factory Wired

## DELUXE MODEL 460K $5 *$ WIDE BAND DC SCOPE RIT



MODEL 465
PROFESSHONAL
5" OSCILLOSCOPEVECTORSCOPE

MODEL 43K SEMICONDUCTOR CURVE TRACER KIT


Preset TV-Vertical and TV.Hor positions ( 30 and 7875 Hz ) makes the 465 ideat for all aspects of color and $8 / W$ TV servicing. Zener diode controlled voltage cal-
and power and signal transistors, diodes and rectifiers. Adopts to any general purpose ibration sourcey distortionless $V$ and $H$ trace expanslon; driti-free $V$ and $H$ positioning; automatic sync limiter and amplifier; full retrace blanking; edge lit callbration grid. Vertical amplifier specs: response from DC to $8 \mathrm{MHz}(+1-5 \mathrm{db})$; sensitlvity $12 \mathrm{mv} /$ cm rms; input impedance, 1 meg; Horizontal ampilifier response from oc to $1 \mathrm{MHz}(+1$ - $^{-3} \mathrm{db}$ ); sensitivity, $17 \mathrm{mv} / \mathrm{cm} \mathrm{rms}$; input Impedance, 1 meg; sweep ranges: $10-100$ Hz . $100-1 \mathrm{kHz}, 1 \mathrm{kHz}-10 \mathrm{kHz}$. $10-100 \mathrm{kHz}$. Plus: TV-VERT position ( 30 4z) and TV-HOR position ( 7875 Hz ): For 117 v, AC. $60 \mathrm{~Hz}, 123 / 4 \mathrm{Hx}$ $81 / 2 W \times 171 / 2=0$. Shpg ..wt., 34 ibs. 38 F 27425 w

Net 179.s5 Model 465 Kit as above but factory wired. 3: F 27433Wx

Net 249.95

## EICO OSCILLOSCOPE

Features: fully shielded rugged terminal board mounting of all parts. Shock-mounted floating construction. Probe bodies are color-coded for easy identification.
38 F 25450 Model PSD-K Demodulator Probe Kit. Shpg. wt., $1 / 2 \mathrm{lb}$.
35 F 25450 Model PSD as above but factory wired. Shpg. wi., $1 / 2$ ib.
38 F 26476 Model PD-K Direct Probe Kit. Shpg. wt., $1 / 2 \mathrm{ib}$.
30 F 26464 Model PD as above, but factory wired. Shpg. wt., $1 / 2 \mathrm{lb}$.
38 F 26452 Model PLC-K Low Capacity Probe Kit. Shpg. wt., i/2 ib
38 F 26518 Model PLC as above, but factory wired, Shipg, wt., $1 / 2$ ib
Net 4.95 oscilloscope and displays the DC characteristics of semiconductor devices. Built in oscifloscope calibrator voltage switch. Contains a flashing indicator light to indicate when high voltage is present at the diode test terminals. Transistor tests: Beta - 6 volts at 10 ma. maximum collector current for signal transistors and 6 volts at 1 amp. max. collector current for power transistors. Diode tests include: Forward current ( $0-1,100$ ma). Reverse Current (IR) - ( $1,10,100$, $\mu \mathrm{a} /$ div). Peal inverse voltage (PIV) - $(1,10,50$, 100 volts/div). $3 \times 111 / 2 \times 9 / 2$. Shpg. wt., 12 lbs . 38 F 27409 …............. Net 79.95 Model 443 Kit as above but factory wired. 38 F $27417 \ldots \ldots \ldots$ Net 119.95

## S

 ing. Sweep-freq.: 10 to 100 Hz with external capacitor for to-freq. sweeps. Preset TV V 8 H sweep positions ( 30 and 7875 Hz ). Variably lit graphed $5^{\prime \prime}$ screen. Very hi-Input impedance. Complete with all components and instructions for easy assembly. $13 \times 81 / 2 \times 16^{\prime \prime}$. For 105-125 VAC, $50-60 \mathrm{kz}$. Shpg. Wt., $253 / 4$ lbs. Model 460 Kit As above, but factory wired. 38 F 26443wX Net 149.95

EMC Test Equipment Kits

(D)


(a) MOOEL 212 TRAMSISTOR AMALYZER KIT. Battery powered, checks all transistors for beta in 3 ranges to 200 ; leakage on 3 -color scale. Tests all transistors in circult 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 mlillampere scale. Checks condition of diodes. Supplied with test leads and instructions. Size: $33 / 4 \times 6 \mathrm{~W} / \mathrm{Hx} \mathbf{Z}^{\circ} \mathrm{D}$. Shpg. Wt., 2 lbs .
31. F 24018 Model 212 hit

Net 14.50
38 F 24026 Model 212 wired
Net 21.50
> (D) MOOEL 213 TUEE TESTER KIT. Checks all new Compactrons, Nuvistors, Novars and 10 prong fubes in addition to Octals, Loctals, Miniatures and 9 -prong tubes. Tests for shorts, leakages, inter. mittents and quality. Quality is indicated directiy on 3-color metai dial. Each section of multi-purpose tubes is checked separately. Also tests Magic Eye, Voltage Regulator and Mi-Fi tubes. Supplied complete with high-impact bakelite case and strap, Instructions and fube charts in ring bound manual. Size: $81 / 2 \times 71 / 2 \times 4^{\prime \prime}$. Shipg. wt. $51 / 4 \mathrm{lbs}$. 38 F 24034 Model 213 Kit

> Net 21.50 38 F 24042 Model 213 wired

> Net 33.40

[C MODEL BDI RESISTAMCE COMPARATOR CAPACITANCE \& CAPACITY CHECKER KIT. Measures condensers for actual value, leakage, and power factor. Detects in-circuit opens above 50 mmid, shorts up to 20 mfd , and condensers that are intermittent in operation. Checks capacity values in 4 ranges from 10 mmfd to- 5000 mmfd resistance in 4 ranges from .5 ohms to 500 megs. Also checks capacitor, inductance or resistance ratio, or transformer windings with a ratio of 20.1 or less. Tests power factor and leakage at rated voltages between 0.500 VDC. Size: $10 \times 7 \times 5^{\circ} \mathrm{D}$. Shpg. wt., 7 lbs.
38 F 24059 Model 801 Kit $\qquad$ Net 28.45 38 F 24067 Model 801 Wired. Net 45.95
[D] MODEL 802 SIGNAL TRACER AND GENERATOR KIT. Combination signal tracer and generator. In the absence of a signal it generates its own signal for audio. IF or RF testing. Incorporates a noise locator circuit for checking noisy components. Provisions are made for using the instrument as a substitute speaker or amplifier. Audio Freq., $400 \mathrm{~Hz}_{\text {; }}$ IF Freq., 455 kHz (Mod.). Complete with demodulator and audio probes. $10 \times 7 \times 5=$. Shpg. wt., $81 / 4$ lbs.
38 F 24075 Model 802 Kit .
38 F 240:3 Model 802 wired
Net 28.45 Net 45.55

## LAFAYETTE Panel Meters

## MINIATURE FM \& AM TUNING METERS

- Moving Coil Principle - Highly
- 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. Galvano. meter 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 amplifler. The Indicator will rest in the center when station is tuned in. Current sensitivity $\pm 100$ microamps on both sides DC. Internal resistance about 1200 ohms. Imported. 99 F 50262

Net 2.89

## AM TUNING METER

am tuning meter. Can be connected into the second IF stage of AM radio. Graduated scale with maximum deflection of pointer Indicating station being tuned in. Sensitivity $500 \mu \mathrm{a}$. on full scale. Int. resistance about 410 ohms. Imported.
99 F 50254
Net 2.89

## LAFAYETTE MINIATURE LEVEL METER

- Highly Sensitive
Front Panel Area Only $7 / 8 \mathrm{~W} x^{7} / \mathbf{K}_{6}{ }^{\prime \prime} \mathrm{H}$ - Rubber Cushion Mount


A minlature clear plastic front level meter which will indicate relative audio levels for tape recorders, FM sets or transistorized audlo equipment. Actual size of meter is "شó"Dx1Wx1"L. Internal resistance-260 ohms. Full scale 500 microamps. Shpg. wt., 2 oz. Imported.

## g9 F 50361

Net 2.15

## ULTRA-MINIATURE TUNING AND BATTERY METER <br>  <br> ONLY K"I IN OIA. <br> 

Uitra-miniature meter can be installed easily in a K/o" diameter hole. Current sensitivity: $500 \mu$; $\pm 15 \%$ at full scale, Internal resistance: 500 ohms $\pm 10 \%$. Imported. Shpg. wt., 202.

99 F 50353
Net 2.15

## METER RECTIFIER 45



A full wave, economical meter rectifler of exceptionally linear characteristics. Universal electrical replacement for most multimeters, such as Lafayette's miniature V.O.M.'s. Single screw mount. Long terminals, imported. Shpg, wt., 2 oz. 99 F 62077

## panel meters with d'arsonval movements



(B) $31 /{ }^{\prime \prime}$ Square

(C) $1 \%$ :" Square

- Jewelled Bearings
- Accuracy $2 \%$ Full Scale

Migh quality, precision built meters with batter than $2 \%$ of 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 OC models is identlfied. (A) standard 3900 ohm "g" scale VU mdicator. Includes full wave bridge rectlfier, built-in bulb. Ammeters are highly damped, use linear callbrations. Dimensions: (A). (B), - $31 / \mathrm{e}^{\prime \prime}$ square,
 $2 \%_{0^{\prime \prime}}$ dlameter mounting hole. Except VU requires $2 V / 4^{" \prime}$ hole. (C) miniature meters with silvered dials, black pointers - $1 K_{0}{ }^{\prime \prime}$ square fronts, $12 / 2^{\prime \prime}$ overall front-to-back, with $11 / 4^{\prime \prime}$ behind panel including $1 / 4^{\prime \prime}$ terminals. Requîe $11 / 2^{\prime \prime}$ diameter round hole in panel. $15 /^{\prime \prime}$ dial face. Supplied with mounting screws. Imported. Average shpg. wt., $3 / 4 \mathrm{lb}$.

| STOCK NO. | FIG. |  | RAMEE | EACH | STOCK NO. | FIG. |  | RANGE | EACH |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 F 50437 | A | -V.U. | Meter | 4.95 | 99 F 50544 | C | 0-50 | DC Miliamp. | 2.75 |
| 99 F 50429 | B | 0.50 | DC Microamp. | 4.75 | 99 F 50551 | C | $0-100$ | DC MIIllamp. | 2.75 3.95 |
| 99 F 50403 | 8 | 0-1 | DC Milliamp. | 3.75 | 99 F 50494 | C | 0.50 | DC Microamp. | 2.95 |
| 99 F 50395 | 8 | $0-150$ | AC Volt | 3.95 | 99 F 50601 | C | 0-10 | DC Amp. | 2.95 2.75 |
| 99 F 50528 | C | 0.1 | DC Mililamp. | 2.95 | 99 F $5047 \%$ | C | 0.15 0.150 | DC Volt | 2.75 2.95 |
| 99 F 50536 | C | 0.5 | DC Milliamp. | 2.75 | 99 F 50502 | C | 0.150 | AC Volt | 2.95 |

"Standard 3900 ohm " $\mathrm{B}^{\prime \prime}$ scale volume indicator, $0-100 \%$ modulation scale, -20 to +3 VU

Illuminated scale.

## MINIATURE LAFAYETTE VU METERS



- Jeweled Bearings
- Precision D'Arsonval Movement Precision 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 loKc. With external zero adjust. Square type has removable plastic front; round type has permanent glass front. Mount in $11 / 2^{2}$ D hole. Wt., 502. 99 F 50452 Square Face, $15 / 0 \times 15 / 8$ " Net 2.99 99 F 50577 Round Face, $1 K_{6} \times 1 K_{0}{ }^{*}$ Net 2.99


## LAFAYETTE MINIATURE ILLUMINATED VU METER



Hluminated dial for easy, wide-angle readability at all times. volume level indicator, calibrated in standard -20 to +3 VU and $0-100 \%$ ranges, Uses precision carbon film multiplier resistor and full wave rectifier. Damped in accordance with standard VU meter regilrements. Reference level 1 mw in 600 ohm line. 3,900 ohms internal resist. ance. " 0 " VU is 1.228 volts sine wave AC across meter connected to 600 ohm source with 600 ohm load. May be used with T-pad attenuator. Size: 1 k $x \mathrm{l}^{5} / \mathrm{s}^{2 \prime}$ sq. face, $11 / 4^{\prime \prime}$ overall behind panel. Imported, shpg. Wt., 5 oz .
99 F 50247
Net 4.29

(B)

VU METER (A)
Has precision D'Arsonval meter with $2 \%$ or better full scale accuracy. Caldbrated and damped. Upper scale reads -20 to +3 VU . Lower scale reads $0-100 \%$ modulation. Accurate to $\pm 0.5 \mathrm{Vu}$ from $30-15000 \mathrm{~Hz}$. Size: $31 / 4 \mathrm{Wx} l^{\prime \prime} \mathrm{H}$. Overall depth is $3 \mathrm{~L} / 2^{\prime \prime}$ behind panel curate includ terminals. Has stud-type soider terminals and zero adjustment screw. Shpg. wt., 9 including termin

## BALANCE \& TUNING METER (B)

Use these precision moving coll DC Ammeter meter movements as stereo balance indicators or as tuning indicators for FM tuners. Polnter at center of the scale indicates zero or null position. Current Sensitivity: $\pm 100 \mu$ a on both sides, Complete with installation schematics. Clear plastic case. Meter body: 1\%, $L x^{2} / 2 W x=3 /{ }^{3}$ "D. Depth behind panel $l^{\prime \prime}$ 99 F 50346 Shpg. wt., 3 oz. imported.

## Tब्apuay

METER SPECIFICATIONS accuracr: Standard $\pm 2 \%$ on $A C$ and $D C$ POINTERS: Spade pointer is standard on all Phenolic series panel instruments. Lance type pointer is standard on G-series pane: instruments.
D.C. INSTRUMENTS are the D'Arsonval type with linear scales, extra-light moving coil; rugged constructlón; Bar-Ring Magnet and 1 piece die-cast frames. A.C. Instruments are the moving iron vane type, and have llght parts. Jewel types have selected bearIngs, highyy polished and specially treated pivots; white enameled metal dials are standard; molded zero adjusters, and ceramic pointer stops.
Average shpg. wt., 1 lb

Panel Meters


* Indicates suspension type movement $\dagger$ Indicates pivot and jewel type

ATTENTION INDUSTRIAL USERS
25 to 49 per type deduct $20 \%$
50 and over, per type deduct $25 \%$

METER DIMENSIONS
Round Flush Mounting

| Mod. | Flange | Body Dia. | \$0epth | Scale |
| :---: | :---: | :---: | :---: | :---: |
| 221.1 | 2"14" | 27\%" | 156 | $1.76^{\prime \prime}$ |
| $231-5$ | $231 / 4{ }^{\prime \prime}$ | 27\%' | $1{ }^{1} \mathrm{~K} 0^{\prime \prime}$ | $1.58{ }^{\prime \prime}$ |
| 321-T | $31 / 2^{\prime \prime}$ | 23/4": | 15/9" | 2.49' |
| $321-5$ | $34 / 2^{\prime \prime}$ | 23/4" | $1^{1} \%_{0}^{\prime \prime}$ | 2.22" |

Rectangular Flush Mounting

| Mod. | Flange Bo | ¢ Dia. | \$0epth | Scale |
| :---: | :---: | :---: | :---: | :---: |
| 227-T | 230x23/3" | 2580" | 131/4" | $1.76^{\prime \prime}$ |
| 237.5 | 236x23/8" | 23/4" | 17/3" | $1.58{ }^{\prime \prime}$ |
| 327-T | $3 \times 3$ " | $23 / 4{ }^{\prime \prime}$ | 1110 | $2.49^{\prime \prime}$ |
| 320.6 | $31 / 2 \times 3{ }^{\prime \prime}$ | $21 /{ }^{\prime \prime}$ | 27/8" | 3.16" |
| $330 \cdot 6$ | $31 / 2 \times 3^{\prime \prime}$ | 23/4" | 27/8" | 2.68* |
| 337.5 | $3 \times 3$ " | 23/4" | 17/8" | $2.22^{\prime \prime}$ |
| 420 | 456x4\%" | 21/4" | 158" | 4.14" |
| 420-6 | $4.55 \times 4.068^{\prime \prime}$ | $23 / 4{ }^{\prime \prime}$ | 2\%" | $4.03^{\prime \prime}$ |
| 430 | $459 \times 43_{160}{ }^{\prime \prime}$ | 2\%33" | 15\%" | 3.6 " |
| $430 \cdot 6$ | $4.55 \times 4.068^{\prime \prime}$ | 23/4" | 27/8" | 3.43' |

\$OVERALL DEPTH INCLUDING TERMINALS

DC MICROAMMETERS

| Range | $\begin{gathered} 221-T \\ 21 / 2^{* \prime} \text { Rnd, } \end{gathered}$ | $\begin{gathered} 227-T \\ 21 / 2^{\prime \prime} \text { Rect. } \end{gathered}$ | Each | $\begin{gathered} 321-T \\ 31 / 2^{\prime \prime} \text { Rnd. } \end{gathered}$ | $\begin{aligned} & 320 \cdot 6 \\ & 31 / 2^{\prime \prime} \text { Rect. } \end{aligned}$ | Each | $\begin{gathered} 420 \\ 41 / 2^{\prime \prime} \text { Rect. } \end{gathered}$ | $\begin{aligned} & 420 \cdot G \\ & 41 / 2^{\prime \prime} \text { Rect. } \end{aligned}$ | Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $0.50 \dagger$ | 38 F 73312 | 38 F 73320 | 22.60 | 38 F 73338 | 38F77735 | 23.60 | 38 F 73353 | 38 F 77800 | 24.70 |
| $0-100 \dagger$ | 38 F 73361 | 38 F 73379 | 21.00 | 38 F 73387 | 38 F 77743 | 22.00 | 38 F 73403 | 38 F 77818 | 23.10 |
| $0.200 \dagger$ | 38 F 73411 | 38 F 73429 | 19.40 | 38 F 73437 | 38 F 77750 | 20.50 | 38 F 73452 | 38 F 77826 | 21.50 |
| $0-500 \dagger$ | 38 F 73460 | 38 F 73478 | 18.40 | 38 F 73486 | 38 F 77768 | 19.40 | 38 F 73502 | 38 F 77834 | 20.50 |
| 50-0.50* | 38 F 73510 | 38 F 13528 | 22.60 | 38 F 73536 | 38 F 77776 | 23.60 | 38 F 73551 | 38 F 77842 | 24.70 |
| 100-0-100* | 38 F 73569 | 38 F 73577 | 21.50 | 38 F 73585 | 38 F 77784 | 22.60 | 38 F 73601 | 38 F 77859 | 23.60 |
| $500 \cdot 0.500 *$ | 38 F 73619 | 38 F 73627 | 20.50 | 38 F 73635 | 38 F 17792 | 21.50 | 38 F 73650 | 38 F 77867 | 22.60 |
| DC MILLIAMMETERS |  |  |  |  |  |  |  |  |  |
| Range | $\begin{gathered} 221 \cdot 7 \\ 21 / 2^{\prime \prime} \text { Rnd. } \end{gathered}$ | $\begin{gathered} 227-7 \\ 21 / 2^{\prime \prime} \text { Rect. } \end{gathered}$ | Each | $\begin{gathered} 321-7 \\ 31 / 2^{m} \text { Rnd. } \end{gathered}$ | $\begin{gathered} 320-6 \\ 31 / 2^{\prime \prime} \text { Rect. } \end{gathered}$ | Each | $\begin{gathered} 420 \\ 41 / 2^{\prime \prime} \text { Rect. } \end{gathered}$ | $\begin{aligned} & 420-6 \\ & 41 / 2^{\prime \prime} \text { Rect. } \end{aligned}$ | Each |
| 0-1 | 38 F 73668 | 38 F 73676 | 17.30 | 38 F 73684 | 38 F 77974 | 18.40 | 38 F 73700 | 38 F 78097 | 19.40 |
| $0 \cdot 1.5$ | 38 F 73718 | 38 F 73726 | 17.30 | 38 F 73734 | 38 F 77982 | 18.40 | 38 F 73759 | 38 F 78105 | 19.40 |
| 0.5 | 38 F 73817 | 38 F 73825 | 17.30 | 38 F 73833 | 38 F 77990 | 18.40 | 38 F 73858 | 38 F 78113 | 19.40 |
| $0 \cdot 10$ | 38 F 73866 | 38 F 73874 | 17.30 | 38 F 73882 | 38 F 78006 | 18.40 | 38 F 73908 | 38 F 78121 | 19.40 |
| 0.25 | 38 F 73965 | 38 F 73973 | 17.30 | 38 F 73981 | 38 F 78014 | 18.40 | 38 F 74013 | 38 F 78139 | 19.40 |
| 0.50 | 38 F 74021 | 38.F74039 | 17.30 | 38 F 74047 | 38 F 78022 | 18.40 | 38 F 74062 | 38 F 78147 | 19.40 |
| 0.100 | 38 F 74120 | 38 F 74138 | 17.30 | 38 F 74146 | 38 F 78030 | 18.40 | 38 F 74161 | 38 F 78154 |  |
| 0-200 | 38 F 74229 | 38 F 74237 | 17.30 | 38 F 74245 | 38 F 78048 | 18.40 | 38 F 74260 | 38 F 78162 | 19.40 |
| 0-300 | 38 F 74328 | 38 F 74336 | 17.30 | 38 F 74344 | 38 F 78055 | 18.40 | 38 F 74369 | 38 F 78170 | 19.40 |
| 0.500 | 38 F 74427 | 38 F 74435 | 17.30 | 38 F 74443 | 38 F 78063 | 18.40 | 38 F 74468 | 38 F 78188 | 19.40 |
| 0.750 | 38 F 74476 | 38 F 74484 | 17.30 | 38 F 74492 | 38 F 78071 | 18.40 | 38 F 74518 | 38 F 78196 | 19.40 |
| 0-1000 | 38 F 74526 | 38 F 74534 | 17.30 | $38 \mp 74542$ | 38 F78089 | 18.40 | 38 F 74567 | 38 F 78204 | 19.40 | DC VOLTMETERS

1000 Ohms Per Volt

| Bange | Model | Stoch No. | Each |
| :---: | :---: | :---: | :---: |
| 0.1 | 2275 | 38 F 75093 | 18.90 |
| 0-3 | 2217 | 38 F 75135 | 18.90 |
| 0-3 | 420 | 38 F 75176 | 21.00 |
| 0-5 | 420 | 38 F 75226 | 21.00 |
| $0-10$ | 2217 | 38 F 75234 | 18.90 |
| $0 \cdot 10$ | 3275 | 38 F 75267 | 20.00 |
| $0-10$ | 420 G | 38 F 78238 | 21.00 |
| 0.15 | 2215 | 38 F 75283 | 18.90 |
| 0.15 | 327 T | 38 F 75317 | 20.00 |
| 0.15 | 420 | 38 F 75325 | 21.00 |
| 0-25 | 2217 | 38 F 75333 | 18.90 |
| 0-25 | 3217 | 38 F 75358 | 20.00 |
| 0-25 | 420 | 38 F 75374 | 21.00 |
| 0.50 | 2271 | 38 F 75390 | 18.90 |
| 0.50 | 320G | 38 F 78246 | 20.00 |
| 0.50 | 420 G | 38 F 78253 | 21.00 |
| 0-100 | 321 T | 38 F 75457 | 20.00 |
| 0-150 | 3206 | 38 F 78261 | 20.00 |
| 0.150 | 3217 | 38 F 75507 | 20.00 |
| 0-150 | 327 T | 38 F 75515 | 20.00 |
| 0.150 | 420G | 38 F 78279 | 21.00 |
| 0-200 | 3271 | 38 F 75564 | 20,00 |
| 0-300 | 320 G | 38 F 78287 | 20.00 |
| $0 \cdot 300$ | 420 G | 38 F 78295 | 21.00 |
| $0-500 \ddagger$ | 2271 | 38 F 75697 | 19.40 |
| 0.500 | 321T | 38 F 75705 | 20.50 |
| 0-3000 $\ddagger$ | 3271 | 38 F 75911 | 25.70 |

\$Have externat Resistors
DC MILLIVOLTMETERS

| Range | Modef | Stock No. | Eacti |
| :--- | :--- | :--- | :--- |
| 0.50 | $227 T$ | $38 F F 76059$ | 17.90 |
| 0.50 | 320 G | $38 F 78303$ | 18.90 |
| $0-50$ | 420 | $38 F 76083$ | 20.00 |
| $0-50$ | 420 G | $38 F 78311$ | 20.00 |
| $0-100$ | 420 | $38 F 76133$ | 20.00 |
| 0.150 | 420 | $36 F 76182$ | 20.00 |



GLASS FRONT Type 950
Clear Plastic Type 850
SHURITE PANEL METERS
Economy model panel meters with fast response, excellent torque-to-weight ratio, long scales, and accuracy weil 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 $25_{\text {g " }}$ hole. " $H$ " indicates hikh resistance. Model 850: Attractive plastic meters with $211 / 2 \mathrm{Wx}^{2} \mathrm{~K}_{6}{ }^{\prime \prime} \mathrm{H}$ -Crystal polystyrene front for exceptional visibillty and protection. Frosted finish interiwr. Model 950: Sturdy metal case. glass front meters. Flange-mounted. Average shpg. wt. 5 oz .

DC vOLTMETERS

| Range | Type 950 | Net <br> Each | Type | Net Each |
| :---: | :---: | :---: | :---: | :---: |
| 0-1 | 38 F 60640 | 3.25 |  |  |
| $0-3$ | 38 F 60657 | 3.25 | 38 F 6149 | 3.3 |
| 3-0.3 | 38 F 60665 | 3.25 |  |  |
| 0-5 | 38 F 60673 | 3.25 | 38 F |  |
| 0-6 | 38 F 60681 | 3.25 |  |  |
| 0 | 38 F 60699 | 3.25 | 38 F 615 | 3.3 |
| 0-10 | 38 F 60707 | 3.25 | 38 F 61523 | 3.35 |
| 0.15 | 38 F 60715 | 3.25 | 38 f 61531 | 3.35 |
| 0.20 | 38 F 60723 | 3.25 | 38 F 61549 | 3.35 |
| 0-25 | 38 F 60731 | 3.45 | 38.561556 | 3.55 |
| $0-25 \mathrm{H}$ | 38 F 60285 | 3.90 | 38 F 61564 | 4.00 |
| 0.50 | 38 F 60293 | 3.35 | 38 F 61572 | 3.45 |
| 0.50 H | 38 F 60301 | 4.15 | 38 F 61580 | 4.25 |
| 0-75 | 38 F 60319 | 3.45 |  |  |
| 0-100 | 38 F 60327 | 3.45 |  |  |
| 0-10 | 38 F 60335 | 4.05 |  |  |
| 0-1 | 38 F 60343 | 3.60 | 38 F 61598 | 3.70 |
| 0-150H | 38 F 60350 | 4.10 | 38 F 61606 | 4.20 |
| $0-300 \mathrm{H}$ | 38 F 60368 | 4.25 | 38 F61614 | 4.35 |
| 0.500 H | 38 F 60376 | 4.50 | 38 F 61622 | 4.60 |

## A.C. METERS TYPE 850

A.C. VOLTMETERS A.C. AMMETERS Range Stock No. Wet Range Stock No. Net $\begin{array}{lllllllll}0-10 & 38 & \text { F } 59303 & 4.65 & 0.1 & 38 & F & 59238 & 4.55\end{array}$ $\begin{array}{lllllllllll}0-15 & 38 & F & 59311 & 4.65 & 0-3 & 38 & 59246 & 4.55\end{array}$ $\begin{array}{llllllllllll}0-25 & 38 & F & 59329 & 4.65 & 0-5 & 38 & 59253 & 4.55\end{array}$ $\begin{array}{lllllllll}0-50 & 38 & \text { F } 59337 & 4.85 & 0-10 & 38 & \text { F } 592614.55\end{array}$ $0-15038$ F $59345 \quad 5.00 \quad 0-1538$ F 592794.55 0.30038 F $59352 \quad 5.40 \quad 0-30 \quad 38$ F 592874.85
0.5038 F 592955.20

## A.C. MILLIAMMETERS TYPE 850

Range Stock No. Het Range Stock Mo. Net | 0.10 | 38 | F 59170 | 4.75 | 0.10036 | F 59204 | 4.65 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllllll}0-50 & 38 & \text { F } 59196 & 4.65 & 0-50038 & \text { F } 592204.65\end{array}$

D.C. MILLIAMMETERS

| Range |  |  |  | Net <br> Each |
| :---: | :---: | :---: | :---: | :---: |
|  | Type 950 | Each Net | Type 850 |  |
| 0 | 38 F 60814 | 4.60 | 38 F 60087 | 4.70 |
| 0.3 | 38 F 60822 | 3.90 | 38 F 50095 | 4.00 |
| 0-5 | 38 F 60848 | 3.60 | 38 F 60111 | 3.70 |
| 0-10 | 38 F 60855 | 3.45 | 38 f 50129 | 3.55 |
| 0.15 | 38 F 60863 | 3.25 | 38 F 60137 | 3.35 |
| 0.25 | 38 F 60871 | 3.25 | 38 F 60145 | 3.35 |
| 50 | 38 F 60889 | 3.25 | 38 F 60152 | . 3 |
| 100 | 38 F 60897 | 3.25 | 38 F 60160 | . 3 |
| $0-150$ | 38 F 60905 | 3.25 | 38 F 80178 | , |
| 0-200 | 38 F 60913 | 3.25 | 38 F 60186 | 3.5 |
| 0-300 | 38 F 60921 | 3.25 | 38 F 60194 | 35 |
| 0.400 | 38 F 60939 | 3.25 | 38 F 60202 | 3.35 |
| 0.500 | 38 F 60947 | 3.25 | 38 F 60210 | 3.35 |
| DC AMMETERS |  |  |  |  |
| Range | Type 950 | Net Each | Type 850 | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| 0.1 | 38 F 60954 | 3.25 | 38 F 6022 | 3.35 |
| 0.3 | 38 F 60962 | 3.25 | 38 F 50236 | 3.35 |
| $0 \cdot 5$ | 38 F 60517 | 3.25 | 38 F 50244 | 3.35 |
| 0.8 | 38 F 60525 | 3.25 |  |  |
| 0-10 | 38 F 60533 | 3.25 | 38 F 60251 | 3.35 |
| 0-15 | 38 F 60541 | 3.25 | 38 F $\$ 0269$ | 3.35 |
| 0.25 | 38 F 60558 | 1.60 | 38 ¢ 60277 | 3.70 |
| $0 \cdot 50$ | 38 F 60566 | 3.60 | 38 F 61440 | 3.70 |
| 5-0-5 | 38 F 60582 | 3.35 |  |  |
| 6-0.6 | 38 F 60590 | 3.35 |  |  |
| 10-0.10 | 38 F 60608 | 3.60 | 38 F 61457 | 3.70 |
| 20-0-20 | 38 F 60616 | 3.60 | 38 f $\$ 1465$ | 3.70 |
| 30-0.30 | $38 . \mathrm{F} 60624$ | 3.60 | 38 f 61473 | 3.70 |
| 50-0.50 | 38 「 60632 | 3.80 | 38 F 51481 | 3.90 |

RESISTANCE METERS

| 10.000 |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| ohms | 38 F 60392 | 3.60 | 38 F 61630 | 3.70 |

D.C. MICRDAMMETERS
0.500

## SHURITE BATTERY TESTERS

Pocket testers with bright plated cases, met. al dials, and prods. Sturdily built. Test batterles without load. Ideal for testing batteries used in transistor circuits. model railroads, hearing aids, portable radlos. etc. Shpg. vet., 802.


| TYPE |  | RANGE | WET |
| :---: | :---: | :---: | :---: |
| 38 F 59709 |  | $0-5$ | 3.45 |
| 38 F 59717 |  | 0.7 | 3.45 |
| 38 F 59725 |  | 0-50 | 3.95 |
| 38 F 59733 |  | 0-2-50 | 4.50 |
| 38 F 59774 |  | 0-2-150 | 4.50 |
| OC AMMETERS |  |  |  |
| 38 F 59782 |  | 0-3 | 3.45 |
| 38 F 59790 |  | 0.15 | 3.45 |
| 38 F 59808 |  | 0-40 | 3.70 |

HEARING AIO BATTERY TESTER Ideal for checking $1.5,15,22.5,30,33$, and 45 volt batteries.
38 F 61648
Net 4.50


Type $5406-17$. Sturdy, pocket sized fesler has a range of $0-150$ volts, AC/DC. Plug into any wall outlet and read the voltage, then plug in the appliance(s) and note the new reading. Find (and demonstrate) voltage drop or inadequate wiring as a source of service problems. Shpg. wt., 8 oz. service $p$ po
38 F 61697

## EMICO PANEL METERS

| Stock No. | Range | Net | Stock No. | Rance | Het |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 38 F 31773 | 0.10 | 3.00 | 38 F 32037 | 0-3 | 3.00 |
| 38 F 31781 | 0.15 | 3.00 | 38 F 32045 | 0-10 | 3.00 |
| 38 F 31799 | 0.30 | 3.00 | 38 F 32052 | 0.15 | 3.00 |
| AC VOLTMETERS |  |  | 38 F 32060 | 0-20 | 3.00 |
| 38 f 31542 | 0.150 | 4.90 | 38 F 32078 | 0.30 | 3.00 |
| 38.31559 | 0-300 | 5.20 | 38 F 32086 | 0.50 | 3.00 |
| AC MILL | AMMET | ES | AC AMMETER |  |  |
| 38 『 32227 | 0-500 | 4.20 | 38 F 32185 | 0.5 | 4.20 |


| Stock No. | Range | Net |
| :---: | :---: | :---: |
| 38 F 31377 | 0-1 | 4.25 |
| 38 F 31385 | 0-5 | 3.40 |
| 38 F 31333 | $0 \cdot 10$ | 3.25 |
| 38 F 31401 | 0-20 | 3.00 |
| 38 F 31419 | $0 \cdot 30$ | 3.00 |
| 38 F 31427 | 0.50 | 3.00 |
| 38 F 31435 | 0-100 | 3.00 |
| 38 F 31443 | 0-150 | 3.00 |
| 38F31450 | 0.200 | 3.00 |
| 38 F 31468 | 0-300 | 3.00 |
| 38 F 31476 | 0.500 | 3.00 |

AMPROBE RS-1

All models pre-calibrated and accurate within $5 \%$. Styled to enhance appearance of electrical
equipment. Meter movements: DC metersm"HI.TORK" magnelic and AC meters moving iron type. Model 13, 3/ax1 ${ }^{1 / 6 x 21 / \mathbf{B}^{\prime \prime}}$ alt plastic desirn. Screw termina!s with soldering lugs. Supplied with all mounting hardware. Avg. shpg. wt.. 4 oz.


## 018100 "SNAP-AROUND" CLAMP-ON AC VOLT AMMETERS WITH ROTARY SCALE

Meter measures: AC AMPS: $0.6-15 \cdot 40-100$, AC. Volts $0-150.600$.
 $7 \%_{32}$ " long, $25 /$ al $^{\prime \prime}$ wide, $111 / 3^{\prime \prime}$ thick. Scale length $21 / 4^{\prime \prime}$ 38 F 13011 No Money Down.

Net 46.85

## AMPROEE RS-2

Same as model RS-1 except has $0-150-300$ voits AC range 38 F 13029 No Money Down*

AMPROBE DELUXE RS-3
Extra versatile probe also includes $0-2000$ ohm range, 25 ohms mid-scale. AC Volts ranges $0-150-300-600$, AC Amps $0-6-15-40$ 100.30t1. Includes case, ohmmeter, battery attachment and vottmeter leads
38 F 13037 No Money Down*

## AMPROEE JUNIORS

Lighter duty, smafler versions of standard Amprobes. Will measure up to $1 / 2^{\prime \prime}$ dia. conductors $43 / 4^{\prime \prime}$ long. $136^{\prime \prime}$ thick, $21 / 2^{\prime \prime}$ wide. $1.8^{\pi}$ long scate. Rugged construction with rlbbed, non-slip case. For 60 eycle AC. Shpg. wt., $3 / 4 \mathrm{lb}$.

| STOCK NO | MODEL | AC AMPS | AC VOLTS | NET PRICE |
| :--- | :--- | :--- | :--- | :--- | ---: |
| 38 F 13052 | Y25 | $0-25$ | $0-125-250$ | 25.85 |
| 38 F 13094 | Y550 | $0-50$ | $0-150-600$ | 25.85 |
| 38 F 13102 | Y500 | $0-100$ | $0-150.600$ | 25.85 |

Model PI-Carrying Case for Amprabe Juniors. Wt. $1 / 4 \mathrm{tb}$. 38 F 13128

# 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 typs available; elther high grade bakelite for wired circuits, or one side copper-clad for "printed" circuitry. Holes are $1 /{ }^{\circ}$ " diameter with $K_{0}$ " between hole centers. All boards are ko" thick. For contacts, the flea clips listed on this page are Ideal. Avg. shpg. wt., 6 oz .


| Net Each Lot |  |  |  |
| :---: | :---: | :---: | :---: |
| Stock No. | 1 | 100 | 0 |
| 19 F 36012 | . 35 | . 30 | . 24 |
| 19 F 36020 | . 64 | . 52 | . 47 |
| 19 F 36038 | 1.15 | . 96 | 87 |
| 19 F 36046 | 1.99 | 1.58 | 1.42 |

PERFORATED UNCLAD
Flea" clips are specially designed for sub. minature work. Fit perfectly in holes in perforated copper-clad and unclad boards wlth $11_{10}{ }^{\prime \prime}$ dia. holes. Made of berylifum copoer, silver plated finish. Simply Insert wire thru hole for positive grip contact.

## 19 F 33019 Packare of $12 \ldots \ldots$..... Net 19 F 33027 Package of 1000 Net 15.7 19 F 33035 Packare of 5000 ….......Net 76.15 33043 Package of 10,000 ...Net 149.30 <br> G-C CHEmicals <br> FOR PRINTED <br> CIRCUITS

UNPERFORATED COPPER CLAD LAMINATE
 Unperforated, finest quality XXXP bakelite and G-10 epoxy glass basps on
copper laminate clad boards for printed circult work. Avg. shipg. wt., 6 oz.

| Stock No. | XxXP Bakelite | Net | Stock No. | Epoxy Glass | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 19 F 71019 | $9{ }^{\prime \prime \prime} \times 12^{\prime \prime}$ | 1.50 | 19 F 37044 | $9^{\prime \prime} \times 12^{\prime \prime}$ | 4.20 |
| 19 F 71027 | $6^{\prime \prime \prime} \times 11^{\prime \prime}{ }^{\prime \prime}$ | . 49 | 19 F 37051 | $6^{\prime \prime} \times 412{ }^{\prime \prime}$ | 1.24 |
| 19 F 71035 | $3^{\prime \prime \prime} \times 41 /{ }^{\prime \prime}$ | . 30 | 19 F 37069 | 3" $\times 411 /{ }^{\prime \prime}$ | 61 |
| 19 F 71050 |  | . 25 | 19 F 37017 |  | 40 |
|  |  |  | 19 F 37085 | 3" $\times 21 / 4$ " | 34 |

## (10 FLEA CLIPS FOR TRANSISTOR AND SUBMINIATURE CONTACTS

SILVER PRINT P
Print.kote siluin Used. Pure silver com. pound. Air drying. Used to repair printed circuit "wires" and touch up connections. $1 / 2$ Troy 02. Shpg. wt., 4 ozs.
13 F $60106 \mathrm{CC}-21-1$
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 .

## "TECHNIQUES" PRINTED CIRCUIT KITS AND SUPPLIES

- For The Builder-Experimenter-Student- Technician


This Sereen 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 bottle and complete in. structions. Shpg. wt., 13 lbs.

Net 29.95

## COPPER CLAD LAMINATE

 ON EPOXY-GLASSG. 10 Grade Epoxy Glass with copper clad laminate. "Laminated one side, $\dagger$ Both sides laminated. All $\mathrm{K}_{0}{ }^{\prime \prime}$ thick.

| Stechk N O | Irne | Size | Net Ea. |
| :---: | :---: | :---: | :---: |
| 19768221 | PE-A* | $9^{\prime \prime} \times 12^{\prime \prime}$ | 6.00 |
| 19 F68239 | PE.F* | $9^{\prime \prime} \times 6^{\prime \prime}$ | 3.00 |
| 19 F 68205 | PE-B* | 44/2" $\times 6^{\prime \prime}$ | 1.50 |
| 19 F 68213 | PE-C* | $41 / 2^{\prime \prime} \times 3^{\prime \prime}$ | . 75 |
| 19 F 68189 | PE.D* | 41/2"x2" | . 50 |
| 19 F 68197 | PE-E* | $21 / 4{ }^{\prime \prime} \times 3^{\prime \prime}$ | .40 |
| 19 F 68361 | PE.AAT | $9^{\prime \prime} \times 12^{\prime \prime}$ | 7.00 |
| 19 F 68379 | PE-FFt | $9^{\prime \prime} \times 6^{\prime \prime}$ | 3.50 |
| 19 F 68346 | PE.BB ${ }^{\text {P }}$ | 41/2" ${ }^{\prime \prime} 6^{\prime \prime}$ | 1.75 |
| 19 F 68353 | PE-CC | $41 / 2{ }^{\prime \prime} \times{ }^{\text {c }}$ | . 90 |
| 19 F 68320 | PE-DD $\dagger$ | 41/2"x2" | .60 |
| 19 F 68338 | PE-EE $\dagger$ | $21 / 4{ }^{\prime \prime} \times 3^{\prime \prime}$ | . 45 |

## BALL POINT TUBES

| Stock No. | True | Color | Net ea, |
| :---: | :---: | :---: | :---: |
| 19 F 68395 | PRLT | Red | 1.25 |
| 19 F 68403 | PRLT | Black | 1.25 |
| 19 F 68411 | PRLT | Blue | 1.25 |
| 19 F 68429 | PRLT | Green | 1.25 |
| 19 F 68437 | PRLT | Yellow | 1.25 |

Contains 10 assorted single and double clad XXXP and epoxy glass boards from $41 / 2 \times 6^{\prime \prime}$ to $3 \times 2 \mathrm{y} / \mathrm{a}^{\prime \prime}$; 1 tape resist; 1 liquid resist; eyelets; 1 drill, etching solution and directions.
 4 los.
19 F 68064
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 $44 / 2 \times 6^{\prime \prime}$ to $3 \times 2 \mathrm{~L} / \mathrm{a}^{\prime \prime}$; Dots; 1 pack etchant; 1 tape resist; eyelet assortment; drill and directions. In plastic box size: 71/8" $\times 5^{\prime \prime} \times 11 / 8^{\prime \prime}$
19 F 68072 Shpg. wt., 8 oz.
Net 4.75
PRESENSITIZED

## COPPER CLAD PANELS

All are $1 / 4 s^{\prime \prime}$ thick copper clad one slde. Except Is both sides. " are XxXP Iaminate. 1 are 610 epoxy-glass laminate.

| Stock No. | Type | size | Met Ea, |
| :---: | :---: | :---: | :---: |
| 19 F 68031 | PXC-F* | $6^{\prime \prime} \times 9^{\prime \prime}$ | 2.00 |
| 19 F 68049 | PXC-B* | $6^{\prime \prime} \times 41 / 2^{\prime \prime}$ | 1.00 |
| 19 F 68056 | PXC-C* | $3^{\prime \prime} \times 41 / 2^{\prime \prime}$ | . 75 |
| 19 F 68254 | PXEFT | $6^{\prime \prime} \times 9^{\prime \prime}$ | 4.00 |
| 19 F 68262 | PXE-B $\dagger$ | $6^{\prime \prime} \times 41 / 2^{\prime \prime}$ | 2.00 |
| 19 F 68270 | PXE-C $\dagger$ | $3^{\prime \prime} \times 41 / 2^{\prime \prime}$ | 1.00 |
| 19 F 68445 | PXC-FF* | $6^{\prime \prime} \times 9^{\prime \prime}$ | 3.00 |
| 19 F 68452 | PXC.BB** | 6"x412" | 1.50 |
| 19 F 68460 | PXC-CC* | 3"x41/2" | 1.00 |
| 19 F 68478 | PXE-FFT\# | $6^{\prime \prime} \times 9^{\prime \prime}$ | 5.00 |
| 19 F 68486 | PXE-BBY\# | $6^{\prime \prime} \times 41 / 2{ }^{\prime \prime}$ | 2.50 |
| 19 F 68494 | PXE-CC $\dagger$ | $3^{\prime \prime} \times 41 / 2^{\prime \prime}$ | 1.25 |
| PROCESSING MATERIALS |  |  |  |
| Type PXD-8 elght ounce developer |  |  |  |
| 19 F 68023 |  | Net | a. 1.00 |
| Type PXY-1 one ounce dye 19 F 68288 |  |  |  |

INDUSTRIAL LABORATORY
KIT NO. 5100


Ready to use presensitized copper clad laminate cuts time to make prototype printed circuits. Kit contains 20 -pieces single and double clad XXX-P and epoxy flberglass laminates in assorted convenient sizes, presenísitized and uncoated. 20 assorted printed circuit tube and transistor sockets. 2 rolls tape resist strip $K_{\text {" }}$ " and $1 / \mathrm{s}^{\prime \prime}$ wide. 200 die -cut tape resist circles $1 / 44^{\prime \prime}$ and Ko" diameter. Bottle liquid resist and $^{\text {a }}$ brush. Ball-point resist pen. Package of printed circuit eyelets and terminals, \#51 drili, layout paper, exposure clamp, developing and etching solutions with trays. Full Instructions and technical bulletins. 19 F 68015 Shpg. wt., 9 lbs

Net 29.95
PRINTED CIRCUIT ACCESSORIES
Basic components for the experimenter-de-signer-lab-limited production-etc. In printed circuit construction. Highest quality mate-rlats-indispensable for prototype work.

TAPE RESIST
$320^{\prime \prime}$ Rolls of Tape Resist (Black) Average Shpg. wt., 202

| Stock No. | Type | Width | Net Ea. |
| :---: | :---: | :---: | :---: |
| 19 F 68122 | PRT1 | \% ${ }^{\prime \prime}$ | . 85 |
| 19 F68130 | PRT2 | $1 / 16$ | .75 |
| 19 F 68148 | PRT3 | \% ${ }^{\circ}$ | . 90 |
| 19 F 68153 | PRT4 | 1/8" | . 90 |
| 19 F 68296 | PRT8 | $1 / 4^{\prime \prime}$ | 1.00 |

RESIST CIRCLES Pkge. of 100 ea.


TOUCH-UP RESIST
19 F 68171 PRL one ounce jar
.75

EYELETS
19 F 68114 PEY 12125 Asst. Eyelets ...... . 60
PRINTED CIRCUIT TERMINALS
19 F 68312 PTE10 Phg. of 1040

## ECHANTS

19 F 68098 PE16 Pint
19 F 68106 PE32 Quart

## VECTOR Boards, Terminals \& Kits

## VECTOR "Plug Boards" and Receptacles

Ready to wire plugboards are ideal fer prototypes and short runs. +made from Grade EXXXP 1/16" thick epoxy paper per Mil-P. 22324. §made from FR-4 epoxy glass type GEE per MIL-P-18177C. Overall $062^{\prime \prime}$ holes located on alternate $1^{\text {" }}$ centers speed component mounting. Elco varicon contacts provided on "types. Other boards have copper. $156^{-}$spaced etched contact fingers or nichel gold plated contacts on "GN" types.

| Stock No. | Migs. Type | Size | $\begin{gathered} \text { No_ } \\ \text { Contacts } \end{gathered}$ | Net Each |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19 F83238 | 837* | $3^{\prime \prime} \times 41 / 2{ }^{\prime \prime}$ | 12 | 2.33 | 2.10 | 1.95 |
| 19 F 83246 | 837WE* | $3^{\prime \prime} \times 4 / 2^{\prime \prime}$ | 12 | 2.58 | 2.32 | 2.17 |
| 19 F 83253 | $812^{*}+$ | 41/2"x61/2" | 16 | 2.98 | 2.68 | 2.50 |
| 19 F 83626 | 812WE*§ | $41 / 2{ }^{\prime \prime} \times 61 / 2^{\prime \prime}$ | 16 | 3.53 | 3.18 | 2.97 |
| 19 F 83303 | 848WE*§ | 41/2" $\times 64 / 2$ " | 35 | 6.09 | 5.48 | 5.12 |
| 19 F 83279 | $838 \mathrm{~A}+$ | $41 / 2^{\prime \prime} \times 61 / 2^{\prime \prime}$ | 22 | 2.81 | 2.53 | 2.36 |
| 19 F 83634 | 838AWE-1\$ | $41 / 2{ }^{\text {" }} \times 61 / 2^{\prime}$ | 22 | 3.17 | 2.85 | 2.66 |
| 19 F 83642 | 838AWE.1GN§ | $41 / 2{ }^{\prime \prime} \times 61 / 2^{\prime \prime}$ | 43 | 4.70 | 4.23 | 3.95 |
| 19 F 83659 | 838WE-1GNG | $41 / 2^{\prime \prime} \times 61 / 2^{\prime \prime}$ | 43 | 5.81 | 5.23 | 4.88 |

Receptacles have solder tabs and mounting holes

| Stock No. | Mits. Type | No. Contacts | $\begin{aligned} & \text { Used } \\ & \text { with } \end{aligned}$ | Net <br> Each |
| :---: | :---: | :---: | :---: | :---: |
| 19 F 83329 | R612.1 | 12 | 837, 837WE | 1.89 |
| 19 F 83337 | R616-1 | 16 | 812, 812WE | 2.36 |
| 19 F 83345 | R635 | 35 | 848WE | 4.91 |
| 19 F 83352 | R644 | 44 | 838A, 838AWE, 838WE. |  |
|  |  |  | $\text { 1GN, } 3474,3474-2$ | 2.97 |

## VECTOR I.C. PLUGBOARDS

All boards listed are $41 / 2^{\prime \prime} \times 61 / 2^{\prime \prime}$ and have overall punched pattern of $.042^{\prime \prime}$ dlameter holes spaced on . $1^{\prime \prime}$ centers and accept Vector terminals for $.042^{\prime \prime}$ holes. 3474 type has X-Y matrix of $.070^{\circ}$ etched tinned lines running vertically on board front and horizontally on back with 12 mounting areas for 14 pin DIP's, 43 etched contacts (total 2 sides spaced on $156^{\prime \prime}$ centers). 3474-3 type has 22 etched contacts, one side, with " $Y$ " matrix one side. $3677-2$ has etched tinned power and ground buses on one side for easy 1.C. hook-up and 44 nichel and gold plated efched contacts total 2 sides. Other side has screened pattern of bus location for easy component layout.
3682-4 Similar to 3677-2, except buses designed for wire wrapping and with tinned ground plane with isolation areas surround ing all hotes.

3662 Has 44 etched nickel and gold plated conlacts and no matrix pattern or buses for maximum freedom of compment layout

| Stock No. | Mirs. Type | Description | Net Each |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1-19 | 20.99 |
| 19 F83527 | 3474 | Epoxy Paper-43 contacts, Matrix 2 sides | 10.50 | 9.45 |
| 19 F 83535 | 3474-3 | Epoxy paper-22 contacts, matrix 1 side | 8.08 | 7.27 |
| 19 F 83667 | 3677-2 | Epoxy glass- 44 contacis bus pattern | 8.84 | 7.96 |
| 19 F 83675 | 3682.4 | Epoxy glass- 44 contacts bus pattern $\mathrm{w} / \mathrm{ground}$ plane | 9.25 | 8.33 |
| 19 F 83683 | 3662 | Epoxy glass-4 4 contacts no matrix or bus pattern | 6.95 | 6.25 |

## VECTOR PRE-PUNCHED

 BREADBOARDSPre-punched terminal boards for prolotypes and production ivory Epozy Paper grade, EXXXXP per Mil-P-22324 Natural Tan Phenolic Grade XXXP per Mil-A3115B. Tan or green epoxy glass NEMA grade FR-4 per Mil.P-18177C. All $1 / 16^{\circ}$ thick except "3/32" Patterns: A, 093* holes $.265^{\circ}$ centers, " $F$ ", $062^{\prime \prime}$ hole, $.2^{\text {en }}$ centers. " 6 ", . 062 " holes alter .1 " centers, "P", 042" hole 1 " centers.

PHENOLIC BOARDS

| Stock No. | $L$ and $W$ | Pat. | No. of Holes | $1-19$ | 20-99 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 19 F 83071 | 17"×4.8" | A | 64 A18 | 1.30 | 1.17 |
| 19 F 83089 | $17^{*} \times 4.8{ }^{\prime \prime}$ | F | $85 \times 24 \times 2$ | 1.30 | 1.17 |
| 19 F 83097 | 19"18.6 | G | $95 \times 43 \times 2$ | 2.41 | 2.17 |
| 19 F 83105 | $19^{* \times 8.75 *}$ | A | $72 \times 32$ | 2.33 | 2.10 |
| 19 F 83113 | 8.5 " $4.8 .8{ }^{-1}$ | A | $32 \times 18$ | . 87 | . 78 |
| 19 F 83121 | $17^{\prime \prime} \times 4.8{ }^{\prime \prime}$ | A | $64 \times 18$ | 1.30 | 1.17 |
| 19 F 83139 | $8.5{ }^{\prime \prime} \times 2.41^{\prime \prime}$ | A | **32x9 | 62 | . 56 |
| 19 F 83147 | 17 "×8.51" | A | **64A32 | 2.86 | 2.57 |
|  | EPOXY PAPER BOAROS |  |  |  |  |
| 19 F 83154 | $17{ }^{\prime \prime} \times 4.8$ " | F | $85 \times 23$ | 2.28 | 2.05 |
| 19 F 83162 | $17{ }^{\prime \prime} \times 4.8$ " | G | $85 \times 23 \times 2$ | 2.28 | 2.05 |
| 19 F 83584 | $6.5 \times 4.5{ }^{\circ}$ | P | $64 \times 44$ | 1.79 | 1.61 |
| 19 F 83592 | 17 " $\times 4.8{ }^{\text {" }}$ | P | $169 \times 47$ | 3.99 | 3.59 |
|  | EPOXY GLASS BOAROS |  |  |  |  |
| 19 F 83428 | 17" ${ }^{\prime \prime} \times 4.8{ }^{\prime \prime}$ | A | $64 \times 18$ | 3.87 | 3.48 |
| 19 F 83436 | $17{ }^{\prime \prime} \times 4.8$ " | G | $85 \times 23 \times 2$ | 3.96 | 3.56 |
| 19 F 83733 | $61 / 2{ }^{\prime \prime} \times 44 / 2{ }^{\prime \prime}$ | P | $64 \times 44$ | 1.79 | 1.61 |
| 19 F 83741 | $17^{\prime \prime} \times 41 / 2^{\prime \prime}$ | P | $169 \times 44$ | 4.36 | 3.92 |



## PUSH-IN TERMINALS AND INSERTION TOOLS




Type T9.4, Brass, tin plated with serrated slots, ilts $.093^{\circ}$ hole.

| .093 F 8014 | Pkg. of 100 | 1.44 |
| :--- | :--- | ---: |
| 19 F 83402 | Pkg. of 1000 | 10.18 |

Type P1228 insertion tool for T9.4 terminals.
$\begin{aligned} & \text { 19F } 83410\end{aligned}$
Net ea.
Type $\mathbf{T} 28$ terminal beryllium copper, tin plated, fits hole size .062".
19 F $83022 \quad$ Pkg. of 100
19 F 83386 Pkg. of 1000 11.6
Type T28S. Same as 7.28 except silver plated.
19 F $83618 \quad$ Pkg. of 100 1.72

Type 91. Insertion tool for T28 and T28S terminals. 19F83067

## VECTOR INTEGRATED CIRCUIT KITS

vector's hardware kits provide maximum flexibility 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 pfus solder type push-in Micro-Kilp terminals and varlous 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 F 83691
Net 4.50
Nit 30X Micro-Vectorboard chassis $41 / 2 \quad x$ $82 / 2 \times 1 / 16^{\prime \prime} 2^{\prime \prime}$ high extruded aluminum chassis rails (which can form box with addition of cover plates), 100 T 42.1 terminals and installing tool, bare and solder thru hockup wire, layout paper
19 F 83709

Kit $31 \times$ Same as $30 \times$, with addition of Micro bus strip, wire wrap terminals and inbord pins, pot and switch brackets.
19 F 83717


Kit 29X Professional sized version with 41/2" X $13.9^{*}$ chassis and extruded aluminum supporting rails, solderless dalsy chain contacts, solderable and wire wrap terminals and inserting tools, solderless contacts for pins, Micro bus strip, DIP extractor tool, 14 and 16 pin dual-in-line sockets, 4 lead transistor sockets, 8 and 10 lead round T0-5 size IC sockets, mounting pads for 12 lead IC's flat pack IC's flat zack I.C adapter plates, etc.
19 F 83725

## CIRCUIT KITS

Type T30N-2 Springclip terminal holds up to six wires without soldering. Nickel plated brass body with nickel plated steel music wire spring, lits hole size .093"

| wire spring, | Pkg. of 10 | .99 |
| :--- | :--- | ---: |
| 19 F 83048 | Pkg. of 100 | 7.23 |
| 19 F 83030 | Pkg. of 1000 | 50.44 |
| 19 F 83394 |  |  | 19F83394 Pkg. of $1000 \quad 50.44$ P92A Insertion tool for T30N-2 terminals 19 F 83055.

Type T42.1 Micro-Klip Push-In terminal for .042" holes, beryllium copper, tin plated. 19 F $83758 \quad \mathrm{Pkg}$ of $100{ }^{\circ} \quad 1.82$ $\begin{array}{lll}19 \text { F } 83758 & \text { Pkg. of } 100 & 1.82 \\ 19 \mathrm{~F} 83766 & \text { Pkg. of } 1000 & 13.51\end{array}$ Type K24C Inbord Pin, Push-In for .042" dlameter holes, Phospher bronze tin plated. 19 F 83774 Pkg. of 50 . 86 19 F $83782 \quad$ Pkg. of $1000 \quad 11.21$
Type $744.025^{\prime \prime}$ square wire wrap pin with slotted top fits $.042^{\prime \prime}$ dlameter holes.
19 F 83790 Pkg. of 100
19 F 83808 \& 13 insertion tool for T44

# Antenna Coils-Photoconductive \& Photoelectric Cells 

## INTERNATIONAL RECTIFIER

B3M SELENIUM SOLAR CELL


Ratings (in full sunlight). Output 0.2 to 0.4 volts, 1 /2 to $21 / 2$ milliamps. Piastic case with adhesive disc. Size: $11 / 8 \times 14 / 8 \times \mathrm{K}_{6}{ }^{\prime \prime}$. Shpg. wt., 208.

19F29033
Net 1.71
in Lots of 10 or more
Net ea. 1.52

## INTERNATIONAL RECTIFIER

## SIM SILICON SOLAR CELL

Output rating 0.3 to 0.4 volts and 10 to 16 militamps in full sunlight. Plastic case with pressure sensitive adhesive disc. Size: 11/ax $11 / 8 \times 36_{6}^{\prime \prime}$. Shpg. wt., 2 oz.

## 19 F 29041

Lots of 10 of more
Nel 2.20

## INTERNATIONAL RECTIFIER B2M SUN BATTERY



Average sunlight generates 2 ma. curreht under 10 -ohm load. With milli. ammeter can be used to measure light. in series or series-parallel will drive transistorized equipment. 60 microamps@ 100 foot candles with 55 ohm load. .5 volt in average sulight, 25 volt at 100 foot candles.
19 F 29017
1.9 10-up

Shpg. wt., 2 oz. ....... Net ea. 1.471 .32


Assortment of 8 photocells with varied shapes, sizes and outputs. Some have pig. tail leads mounted; leads supplied for all the cells. Nominal output range $1 / 3-1 / 2$ volts; 250 microamps to 5 MA in bright sunlight. Shpg. WL, 802.
19F29116.
Net 1.98


> PHOTO CELL AND SUN BATTERY ASSORTMENT

This interesting special package contains 4 selenium photocells with outputs from $1 / 3$ to $1 / 2$ volt and 0.5 ma to 3 ma in bright sunlight. Complete with 24 -page instruction and project manual. Shpg. wt., 6 oz.
19 F 29108
Net. . 99


## RESISTOR PHOTOCEL 89

A cadmium-sulphide lightactivated resistor used to actuate doof openers, burglar alarms, relays, light controls, production counters, etc. Resistance varies from 75 ohms at approx. 93 footcandles to over 10 megohms in total dark. ness. Maximum volts: 110 VAC (peak) 110 VDC ; maximum dissipation: 2 watt @ $40^{\circ} \mathrm{C}, .1$ watt@ $50^{\circ} \mathrm{C}, 0$ @ $60^{\circ} \mathrm{C}$. Capacity approx. 6 pF . $1 / 2^{\prime \prime}$ diam. $\times$ Kta $_{6}$ thick. Imported. Shpg. wt., 202.
19 F 21014
Net .89

LAFAYETTE
PhOTO CONDUCTIVE CELLS

## A




Conductivity of these sensitive cells varles with intensity of light. All rated at 20 ma at 200 volts. Wave length 4000 to 8000 angstroms. Resistance at 0 ft . candle is 10 meg for type $\mathrm{A}, 5 \mathrm{meg}$ for type B. Other chart ratings appror. $\pm 50 \%$. Imported. Shpg. wt., 2 oz.

Stock
No. Fig. 1FC $\begin{aligned} & \text { Resistance in ohms at } \\ & \text { 10FC } 100 \mathrm{FC} \\ & \text { Net }\end{aligned}$ 500 25, 70


## LAFAYETTE SELF GENERATING SELENIUM CELLS

- No external power needed

Sensitive to a wide spectrum including white, colored or ultra-violet light. All unmounted; complete with leads. Outputs of 100 a taken at 100 foot candle illumination with 100 ohm load. Shpg. wt., 2 oz. Slze: $11 \mathrm{~K}_{6}{ }^{\prime \prime} x^{2}$ /s". Imported.
99 F 62432 Net . 59


## PIONEER CDS CELLS

FIG. 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 serles is $1 / 4$ watt continuous or 1 watt intermittent 11 min . periods); 900 series is $1 / 2$ watt continous, 2 -watts intermittent. Mean output is photocurrent at 50 V AC and simulated daylight of 1 FC; range varying $\pm 33 \%$ of mean. Maximum dark current measured at 100 V , 5 seconds after 50FC light extinguished, Photosensitive area of 700 series is .1 sq. in. 900 series is .44 sq . in. Average Shpg. wt., 3 oz .

| Stack No. | Type No. | Mean Dutput | Max. Dark Curr. | Max. Dark Volt | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 19 F. 47027 | 701 | 1.5 ma . | 25 ма, | 500 | 1.00 |
| 19F47035 | 702 | 3 ma . | 25 на. | 500 | 1.00 |
| 19 F 47043 | 703 | 6 ma . | $40 \mu$ а. | 350 | 1.00 |
| 19 F 47050 | 901 | 1.5 ma . | $25 \mu \mathrm{a}$. | 1000 | 1.10 |
| 19 F 47068 | 902 | 3 ma. | $25 \mu$ a. | 1000 | 1.10 |
| 19 F 47076 | 903 | 6 ma . | $40 \mu \mathrm{a}$. | 700 | 1.10 |
| 19 F 47084 | 904 | 12 ma . | $200 \mu \mathrm{a}$. | 500 | 1.10 |
| INCANDESCENT TYPES |  |  |  |  |  |
| Stock No. | Type No. | Nom. Res. Ohms | Min. Dark Res | Max. Oark Volt | Net Ez. |
| 19F47092 | 710 | 1330 | 4 meg. | 500 | 1.00 |
| 19 F 47100 | 711 | 670 | 4 meg . | 500 | 1.00 |
| 19 F 47118 | 712 | 330 | 2.5 meg. | 350 | 1.00 |
| 19 F 47126 | 910 | 1330 | 4 meg. | 1000 | 1.10 |
| 19F47134 | 911 | 670 | 4 meg . | 1000 | 1.10 |
| 19 F 47142 | 912 | 330 | 2.5 mes. | 700 | 1.10 |
| 19 F 47159 | 913 | 165 | . 5 meg. | 500 | 1.10 |

## HIGH-GAIN LOOPSTICK ANTENNA



Give high gain across complete AM broadcast band from 540 to 1600 kHz when tuned with standard 365 pF tuning condenser. A. VARIABLE TYPE. An extremely small yet very powerlul replacement antenna with a " $Q$ " of 240-275. Boosts sensitivity and sig. nal to noise ratlo. With adjustable ferrite core for maximum peaking efficiency and precise tracking on entire broadcast band. Single, hole snap-mounting, plus bracket. Efficient at any angle. $21 / 4 \times 7 / 3^{\prime \prime}$
32 F 41034 Shpg. wt., 402 . Net . 59
B. ENERGIZED FERRI-LOOPSTICK. NEW 5" ferrite sod loopstick antenna with a "Q" of up to 350 . Extremely high gain brings In even distant stations not normally received. Adjustable coil with self-locking vinyl collar dermits peaking antenna for super sensitive resufts. $3 / 6 \times 5^{\circ}$. Shpg. wt., 302. 32 F 82019

Net 98
C. $7^{\prime \prime}$ SUPER LOOP. Super sensitive ferrite loopstich antenna with a " $Q$ " of up to 425. Excellent for repiacement of old style loops. Brings in even hard to get stations. Adjustable for maximum sensitivity over length of 7 in . Complete with mount.
32 F 82027 Shpg. wt., 3 oz. Net 1.35
TRANSISTOR TAPPED VARIABLE ANTENNA COIL


- Boosts Signal Pickup
- Super-Selective!

Specially designed for matching the low input impedance of transistors. Maximum transfer of signal energy from tuning stage when used with 365 to 420 pF variable capacitors, as well as in minimum loading by first transistor stage for sharper tuning and greater selectivity. Highly sensitive with a " $Q$ " of up to 250 . With adjustable ferrite core for maxlmum peaking. Singlehole snap-in mounting, plus bracket. Efficient at all angles. Size: $2 x^{3 / 6 "}$ dlam.
32 F 41080 Shpg. wt., 2 oz. .......... Net . 99

## FERRITE ANTENNA KIT

## 3 Antennas for

Antennas for
Transistor Radios All 3
igh "Q"for Top
Reception

- High "Q" for
Reception


Three sizes of flat ferrite antennas. Each has a high inductance of 480 microhenries. Tapped leads are color coded. Designed to match most AM transistor radios. Matches tuning condenser sect. $167.5-8 \mathrm{pFF}$, osc, sect. $75.5-8 \mathrm{pF}$. Sizes: (1) $13 / 4 \times 7 / 8 \times$ /(2) (2) $21 / 8 \times 3 / 8 \times 1 /{ }^{\prime \prime}$ (3) $2 \% \times \% \times 1 / \mathbf{m}^{\prime \prime}$. Imported. 99 F 62275 Wt., 3 oz. Net .79

KIT OF 3


MINIATURE ADJUSTABLE masis $89^{\circ}$

Lafayette's kit of 3 miniature adjustable loopsticks pull in those dlstant radio stations with amazing ease and clarity. Has set-screw adjusting slug to obtain maximum loudness. May be installed in any position. Complete with instructions. Imported.
99 F 63117 Shpg. wt. 3 oz.-Set of 3 Net .89

# Terminal Strips - Poly Rods \& Sheets 

TYPE 19000 - 20 AMP
Leakage path between terminals is $\mathbf{1 / 1 6 ^ { \circ }}$. Base is $11 / 0^{\prime \prime}$ wide $\times 1 / 2^{\prime \prime} \mathrm{hlgh}$.

| Stoct No. | No. of Contacts | 1.49 | $\begin{gathered} \text { Net Each } \\ 50.99 \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| 33 F 86265 | 1 | . 19 | . 16 |
| 33 F 66273 | 2 | 20 | . 17 |
| 33 F 86281 | 3 | . 26 | . 22 |
| 33 F 86299 | 4 | 34 | 28 |
| 33 F 66307 | 5 | . 41 | . 34 |
| 33 F 86315 | 6 | . 47 | . 39 |
| 33 F a6323 | 7 | . 55 | . 46 |
| 33 F 86331 | 8 | . 62 | . 52 |
| 33 F 66349 | 9 | . 68 | . 57 |
| 33 F 16356 | 10 | . 75 | . 64 |
| 33 F 16364 | 11 | . 82 | . 69 |
| 33 F 85372 | 12 | . 89 | . 74 |
| 33 F 86380 | 13 | . 96 | . 80 |
| 33 F 86398 | 14 | 1.03 | . 86 |
| 33 F 86406 | 15 | 1.10 | . 92 |
| 33 f 86414 | 16 | 1.18 | . 99 |
| 33 F 86427 | 17 | 1.24 | 1.04 |
| 33 F $\$ 6430$ | 18 | 1.31 | 1.10 |
| 33 F 86448 | 19 | 1.35 | 1.16 |
| 33 F 26455 | 20 | 1.45 | 1.22 |

TYPE 22000-30 AMP
Leakaye path between terminals is $9 / 16^{\prime \prime}$. 8ase is $1 \%$ wo ${ }^{4}$ wide $\times 5 / 8^{\circ}$ High.

| Stock Ho,No. of |  | 1.49 | $\begin{gathered} \text { Net Exch } \\ 50.99 \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| 33 F 86513 | 1 | 22 | . 18 |
| 33 F 66521 | 2 | 23 | 20 |
| 33 F 86539 | 3 | . 32 | . 27 |
| 33 F 86547 | 4 | . 40 | . 34 |
| 33 F 86554 | 5 | 49 | .41 |
| 33 F 86562 | 6 | 58 | . 48 |
| 33 F 86570 | 7 | 67 | . 56 |
| 33 f 86588 | 8 | . 75 | . 63 |
| 33 F E6596 | 9 | . 83 | . 70 |
| 33 F 86604 | 10 | . 93 | 78 |
| 33 F 86612 | 11 | 1.01 | . 84 |
| 33 F 86620 | 12 | 1.10 | . 92 |
| 33 f 86638 | 13 | 1.19 | . 99 |
| 33 F 86646 | 14 | 1.28 | 1.07 |
| 33 F 56653 | 15 | 1.37 | 1.14 |

HEAYY DUTY SCREW COLLAR STRIPS


Han $_{2}{ }^{\prime \prime}$ bakelite. $7 \mathrm{H}^{\prime \prime}$ wide Nickel Piated Brass Screw Terminals, tinned solder fugs. Avg. shpg. wt. 3 oz.

|  |  | NET EACH |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock Mo. | Term. | 1 | 10 | 100 |
| 32 F64488 | 2 | . 20 | . 18 | . 16 |
| 32 F 64496 | 3 | . 22 | . 20 | . 18 |
| 32 F 64504 | 4 | . 27 | . 24 | . 22 |
| 32 F 64512 | 5 | . 33 | . 31 | . 28 |
| 32 F 64520 | 6 | . 39 | . 36 | . 32 |
| 32 F 64538 | 7 | . 45 | . 41 | . 38 |
| 32 F 64546 | 8 | . 50 | . 45 | . 40 |
| 32 F 64553 | 9 | . 60 | 48 | 43 |
| 32 F 64561 | 10 | $\pm 62$ | . 56 | . 50 |

High quality bakelite terminal strips. Solder lugs mounted on $K_{0}{ }^{-1}$ thick insulation. Available with 2 thru 10 solder lugs and screw terminals. Mounting holes for 6-32 screws. Avg. shpg. wt. 5 oz. 5 per Package.

| Stock Mo. | Term. | $\begin{aligned} & \text { Pkg. } \\ & \text { of } 5 \end{aligned}$ |
| :---: | :---: | :---: |
| 32 F 12164 | 2 | 40 |
| 32 F 12172 | 3 | 58 |
| 32 F 12180 | 4 | 70 |
| 32 F 12198 | 5 | . 88 |
| 32 F 12206 | 6 | 1.00 |
| 32 f 12214 | 7 | 1.15 |
| 32 F 12222 | 8 | 1.30 |
| 32 F 12230 | 9 | 1.45 |
| 32 F 12248 | 10 | 1.65 |



Feature high dielectric strength. dimensionat stability Low loss, arc-resistance, and insulating propertles. Moisture proof. Easily sawed, drilled and tapped. Sheets and rods are fransparent, tubing satin finish.

POLYSTYRENE SHEETS

| Stock ${ }^{\text {Ho }}$ | $\begin{aligned} & \text { Size } \\ & \text { Inch } \end{aligned}$ | Thick Inch | Shpg. W1. | et Each |
| :---: | :---: | :---: | :---: | :---: |
| 13 F 51014 | $12 \times 12$ | \% | 902. | 4.07 |
| 13 F 51022 | $12 \times 12$ | 3/2 | 902. | 4.70 |
| 13 F 51030 | 12×12 | 1/8 | 902. | 5.39 |
| 13 F 51048 | $12 \times 12$ | * | 1002. | 7.01 |
| 13 F 51055 | $12 \times 12$ | $1 / 4$ | $13 / 4 \mathrm{lbs}$. | 7.99 |
| 13 F 51063 | $12 \times 24$ | \% | 1402. | 7.54 |
| 13 F 51071 | $12 \times 24$ | \% | 11/2 lbs. | 8.97 |
| 13 F 51089 | $12 \times 24$ | 1/8 | $13 / 1 \mathrm{lbs}$. | 10.29 |
| 13 F 51097 | $12 \times 24$ | \% | 21/2 lbs. | 12.89 |
| 13 F 51105 | $12 \times 24$ | $1 / 4$ | 3 lbs. | 15.34 |
| 12" | POLYSTYRENE |  | RODS |  |


| Stock Mo. | $\begin{aligned} & \text { Size } \\ & \text { y Diam. } \end{aligned}$ | Shpg. Wt. | Net Each |
| :---: | :---: | :---: | :---: |
| 13F51113 | $12^{\prime \prime} 14{ }^{\prime \prime}$ | 302. | 0 |
| 13 F 51121 | $12^{\prime \prime} \times{ }^{\prime \prime}$ | 302. | . 12 |
| 13 F 51139 | $12^{\prime \prime} \times 1 / 4$ | 302. | . 15 |
| 13 F 51147 | $12^{* *} \times 6$ " | 3 oz | . 18 |
| 13 F 51154 | $12 \times \times 7$ " | 4 oz . | . 25 |
| 13 F 51162 | 12"x1/3" | 402. | . 47 |
| 13 F 51170 | 12"x59/" | 502. | 71 |
| 13 F 51188 | $12^{\prime \prime} \times 3 / 4^{\prime \prime}$ | 602. | . 98 |
| 13 F 51196 | $12^{\prime \prime} \times 7 / 8^{\prime \prime}$ | 8 oz . | 1.39 |
| 13 F 51204 | $12 \times 1$ | 902. | 1.86 |


| Stock Mo. | 0.0. | 1.0. | Shps. Wt. | $\begin{aligned} & \text { Each } \\ & 1.9 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 13 F 51212 | $1 / 4{ }^{\prime \prime}$ | 1/8" | 302. | . 15 |
| 13 F 51220 | $K_{10}{ }^{\prime \prime}$ | $3{ }^{\prime \prime}$ | 302. | . 18 |
| 13 F 51238 | ***" | $4 / 4$ | 302. | . 23 |
| 13 F 51246 | 1/2" | 3/8" | 302. | . 28 |
| 13 F 51253 | + ${ }^{\text {c/ }}$ | $1 / 2^{\prime \prime}$ | 302. | . 34 |
| 13 F 51261 | 3/4" | $5 / 8$ | 302. | . 39 |
| 13 F 51279 | $1^{\prime \prime}$ | $7 / 8{ }^{\prime \prime}$ | 402. | . 55 |

Pure polystyrene dissolved in thin ner. For coating. doping, sealing coils, and for cementing polystyrene to polystyrene. 2 Oz . bottle. Shpg, wt., 402 13 F 60031 Net . 55 THINWER FOR ABOVE, 202
MASONITE BREADBOARD

- Ideal for Kit Buliders

Tempered masonite board with holes spaced $1 / z^{\prime \prime}$ apart to facilitate mountIng of parts. Size 72752x $1177 / 7^{2} \times 1 / 6^{\prime \prime}$ thick. Holes $1 / 4^{\prime \prime}$ dlam. Shpg. wt., 1202. t9 F 17012 Net . 29

## SPACER ASSORTMENTS

## BRASS SPACERS

Packare of 16 cadmium plated brass spacers 4 each of $1 / 4^{n}-2 / 2^{\prime \prime}-3 / 4^{\prime \prime} \&^{\prime \prime} 1^{\prime \prime}$ length. All accomodate \#6 screw. 1/4" 0, B. Shpg. Wt., 10 02.

32 f 12263
Net per pkg. 1.39
FIBRE SPACERS
Assortment of 12 fibre spacers. 4 each of $1 / 4^{\prime \prime}-1 / 2^{\prime \prime} \& l^{\prime \prime}$ lengths. All have $1 / a^{\prime \prime}$ outer diameter and accommodate \#6 screw, Shog. ${ }^{w t}$. 602 .
32 F 12255
Net per pkg. 1.10

Make Lafayette Your One Dependable Somrce for Evergthing in Electronics

# Dials-Variable Condensers 



B
Precision planetary drive vernier dials with approximately 7 to 1 ratio. Ideal for test equipment, calibration instruments, amateur equipment, etc. $1 / 4^{\prime \prime}$ diam. shaft extending from rear may be easily coupled to another drive shaft. Type A has framed wire hair line, type-B has pointer. All with 1 log scale and blank scales. Fluted knob. Imported.

| Stock No. | Fis. | seale with | sest | $\begin{aligned} & \text { Blant } \\ & \text { scales } \end{aligned}$ | Size everall | Stap. | Net <br> Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 F 25660 99 F 25678 99 25685 | $\begin{aligned} & \text { B } \\ & \text { A } \end{aligned}$ | $\begin{gathered} 41 / 4^{\prime \prime} \\ 6^{\prime \prime} \\ 714^{\prime \prime} \end{gathered}$ | $\begin{aligned} & 0.180 \\ & 0-200 \\ & 0.200 \end{aligned}$ | 5 6 6 | $\begin{array}{r} 5 \times 3 \times 12 / 2 \\ 676 \times 41 / 2 \times 2 \\ 81 / 2 \times 53 / 421 / 4 \end{array}$ | $\begin{gathered} 10 \mathrm{oz} . \\ 1 \mathrm{lb} . \\ 14 / 2 \mathrm{lbs} . \end{gathered}$ | $\begin{aligned} & 2.59 \\ & 2.99 \\ & 3.95 \end{aligned}$ |



Fige PRECISION VERNIER DIALS
Fig. D
Fis. E

Precision planetary drive vernier dials with approximately 8 to 1 ratio. Mounts on panel surface and has accurately centered metal inserts for $1 / 4^{\prime \prime}$ shafts. Metal dlais are brushed silver finish with deeply etched and black fllled engraving to provide maximum legibility even under poor lighting conditions. Reads counter-clockwise 0 to 100 in $180^{\circ}$. Uses tough scratch resistant ffuted molded knob and housing for sure grip. Phosphor bronze and brass utillized for internal parts. Imported. Average Shpg. wt., 5 ors.
99 F 60311 Flg. E 36 MM ( $11 \mathrm{z}^{\prime \prime}$ ) Diameter Vernier Dial, '13:" from front to back 99 F 60303 Fig. D $50 \mathrm{MM}\left(2^{\prime \prime}\right)$ Diameter Vernier Dial, 1 " from front to back 99 F 60295 Fig. C $70 \mathrm{MM}\left(27 / \mathrm{m}^{\prime \prime}\right)$ Diameter Vernier Dial, $11 / \mathrm{g}^{\prime \prime}$ from front to back

## TINY TUNING CONDENSER-with DIAL

- For Transistor and Miniature Circuits - Only 1" Square, Ko" Deep • 385 pF • Polyethylene Dielectric
A new "Poly-Varl-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 . Capacity variable from 10 to 365 PF. Knurled dial is $11 / 4^{\prime \prime}$ diam.; rotation is $180^{\circ}$. Dial is molunted to condenser shaft by $/ \mathrm{to}^{\prime \prime}$ diam. chrome-plated threaded retainer. imported.
99 F 62176 Shpg. wt., 3 oz.
Net 69

Net .99 Net 1.19 Net 1.69
transistor miniature 2 gang SUPER-HET VARIABLE CONDENSER


Lightweight-both the frame and plates are aluminum. Smooth bali bearing action over entire $180^{\circ}$ rotation. Bakelite stator insulation. Capacity of 11 plate R.F. section is 6.3 to 123.1 pF ; 9 plate oscillator section is 5.7 to 78.2 pF . Effective range of trimmers is 15 pF . These add 2 pF to minimum capacity. Capacity increases in counter clockwise direction. Flatted shaft $1 / 4^{\prime \prime}$ dlameter by $11 / 4^{\prime \prime}$ long. Frame size onfy ${ }^{1 \mathrm{Ka}} \mathrm{D} \times 17 \mathrm{sW} \times 1 \mathrm{~K} .0 \mathrm{H}$. Shpg. Wt., 4 oz.
32 F 11067
Net 1.39

## MIDGET 1 GANG TRF VARIABLE CONDENSER



TRF variable concenser with 31 aluminum plates solidiy mountod In 1 piece aluminum frame. Brass shaft is ball-bearing suspended for smooth operation. Shaft extends 1 inch from frame is standard $1 / 4^{\prime \prime}$ diameter flatted on one side. Capacity is 10 to 365 pf. Increasing in capacity when turned clockwise. Complete with trimmer. Frame size only is
 1\%:" clearance when fully opened. Shpg. wt., 508.
32 F 11034
Net 1. 49


## TYPE HF

SIngle section tuning employing "APC" rotor and stator design-Ideal for critical high frea. circuits. Isolantite insulation. Air gap is $0.015^{\prime \prime}$ nominal. Shpg. wt., 402.

| Stock No. | Mfg's Type | Max. PF | Min. pF | Net |
| :---: | :---: | :---: | :---: | :---: |
| 40 F 28817 | HF15 | 17.5 | 2.8 | 1.45 |
| 40 F 28825 | HF35 | 36 | 3.2 | 1.55 |
| 40 F 28833 | HF50 | 42. | 3.7 | 75 |
| 40 F 28841 | HF100 | 102. | 5.3 | 00 |
| 40 F 28858 | HF140 | 142. | 6.3 | 5 |
| TYPE HFA |  |  |  |  |
| Similar to high fre |  |  |  |  |
| Single hole or base mounting. K $K_{0} x 1 / 4^{\prime \prime}$ round <br>  |  |  |  |  |
| 40 F 28411 | HFA-15 | 16 | 2.8 | 2.00 |
| 40 F 28429 | HFA-25-B** | 25 | 3.0 | 2.30 |
| 40 F 28437 | HFA-50-B | 5 | 4.3 | 2.50 |
| 40 F 28445 | HFA-100-B | 100 | 7.5 | 4.35 |

## TYPE HFA

Similar to "HF" except very deslrable for high frequency low-power applications. Single hole or base mounting. K $x \times 1 / 4{ }^{\prime \prime}$ round shaft. $3 / 8-32$ thread $x$ x/4'L bushing. Wt. 507. 40 F 28411 HFA-15-B+ $16 \quad 2.8 \quad 2.00$ $\begin{array}{lllll}40 \text { F } 28429 & \text { HFA-25-B* } & 25 & 3.0 & 2.30 \\ 40 \text { F } 28437 & \text { HFA-50-B } & 50 & 4.3 & 2.50\end{array}$ $\begin{array}{llrrr} \\ 40 \text { F } 28445 & \text { HFA- } 100-B 1 & 100 & 7.5 & 4.35\end{array}$

## TYPE APC

Compact, high quality. Has high leakage re. sistance and resistant to temperature moisture, and vibration effects. Straight Ine capacitance. Hex collar on slotted shaft for rotor and screw-driver adjustment. Air gap is $0.015^{\prime \prime}$ nominal. Shpg. wi., 4 oz .

Series APS (Screwdriver Stot)

| Stack No. | Mfrs. | Max. p F | Min. pf | Net |
| :---: | :---: | :---: | :---: | :---: |
| 40 F 28460 | APC-25 | 25 | 3.0 | 1.25 |
| 40 F 28478 | APC-50 | 50 | 3.9 | 1.35 |
| 40 F 28486 | APC. 75 | 75 | 4.6 | 1.45 |
| 40 F 28494 | APC-100 | 100 | 5.5 | 1.60 |
| 40 F 28502 | APC 140 | 140 | 6.7 | 1.80 |
| Series APC-B ( $1 / 2^{\prime \prime}$ Shaft) |  |  |  |  |
| 40 F 28528 | APC-25B | 25 | 3.0 | 1.35 |
| 40 F 28536 | APC-50B | 50 | 3.9 | 1.45 |
| 40 F 28544 | APC.75B | 75 | 4.6 | 1.55 |
| 40 F 28551 | APC-100B | 100 | 5.5 | 1.80 |
| 40 F 28569 | APC-140B | 140 | 6.7 | 2.0 |

40 F 28569


## TYPE MAPC

About half the weight and size of the APC, but with the same quality and performance. Excellent for VHF use. Slotted shaft for screwdriver or hex wrench adjust. Nom. atr
 Series MAPC (Screwdriver Slot)

| Stock No. | Type Mfrs. | $\begin{gathered} \text { Max. } \\ \text { of } \end{gathered}$ | min. pF | Net |
| :---: | :---: | :---: | :---: | :---: |
| 40 F 28635 | MAPC-15 | 15 | 2.3 | 1.10 |
| 40 F 28643 | MAPC -25 | 25 | 2.6 | 1.15 |
| 40 F 28650 | MAPC-35 | 35 | 2.9 | 1.20 |
| 40\% 28668 | MAPC-50 | 50 | 3.2 | 1.25 |
| 40 F 28676 | MAPC-75 | 75 | 3.9 | 1.35 |
| 40 F 28684 | MAPC-100 | 100 | 4.5 | 1.45 |
| Series MAPC-B ( $1 / 2^{\prime \prime}$ Shaft) |  |  |  |  |
| 40 F 28692 | MAPC-15B | 15 | 2.3 | 1.10 |
| 40 F 28700 | MAPC-25B | 25 | 2.6 | 1.15 |
| 40 F 28718 | MAPC.35B | 35 | 2.9 | 1.20 |
| 40F 28726 | MAPC-50B | 50 | 3.2 | 1.25 |
| 40 F 28734 | MAPC.75B | 75 | 3.9 | 1.35 |
| 40 F 28742 | MAPC-100B | 100 | 4.5 | 1.45 |

## MATCHED KNOB KITS

- Molded From Hi-Impact Plastic
- Brass Screw and Shaft Insert
- For $1 / 4$ " Round or Flat Shaft



## KIT OF 5

 as low as$79^{\text {c }}$
Trim distinctive, functionally styled mnobs. 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 lace. Rugred brass screw and mounting shaft insert will accept $1 / 4{ }^{\prime \prime}$ round or flat shaft. Each hit contains 5 hnobsall same size. imported. Shpg. wt., 5 oz. 17 " $^{\prime \prime}$ Diam., 7/2" Deep Kit of 5. 99 F 61145

Net .89
1 \%" Diam., 以" Deep Kit of 5
Net .89
1" Diam., "/40" Deep Kit of 5
99 F 51160 Net .75

## MICA TRIMMERS AND ADDERS



Base of low-toss ceramic. $1 / 6 \times 3 / 4 x^{5 / 6 "}$ in size. $1 / 2 z^{\prime \prime} \mathrm{mtg}$. ctrs. Capacity ranges derived from 3 turns open to toght setting. Av. shpg. wt., 2 ors.

| Steck We. | PF | $\begin{aligned} & \text { Each } \\ & 1.24 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 25.99 \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 34 F 68306 | 1.5-15 | . 36 | . 32 |
| 34 F 68295 | 2.7 .30 | . 36 | . 32 |
| 34 F 68303 | 5. 80 | . 36 | . 32 |
| 34 F 68311 | 10. 180 | . 42 | . 37 |
| 34 F 63329 | 25. 280 | . 4 | 43 |
| 34\% 63337 | 50. 380 | . 51 | . 51 |
| 34 F 68345 | 75. 480 | . 63 | . 56 |
| 34 F 6 ¢ 352 | 105. -580 | . 6 | 62 |

## METAL KNOB KIT



Set of 3 attractive, tapered aluminum knobs. Set-screw type, fit $1 / 4^{\prime \prime}$ shaft. Polished concave top. ${ }^{1 \%}$," long, diameter tapers from $11 / 5$ " to ${ }^{1 K 0}$ " Imported.
99 F 52606 Shpg. wt., 402.
Net 1.29


Molded of Tenite with easy grip knurling. These knobs are $13 / 0^{\prime \prime}$ over-all diameter with chrome-plated bevel skirts. Depressed numerals are black enamelled on chrome plate. Designed to ilt $1 / a^{\prime \prime}$ shafts.
Numbered $0 \cdot 10$ through an arc of $300^{\circ}$ clock. wise. Imported. Shpg, wt.. 3 oz.
99 F 61053
Net ea. . 36

## DIAL CORD <br> Handy spools of pre. <br> 

stretched nylon dial
cord in sizes that cover almost all replacement needs. Breaking strength medium is 35 los.. standard 20 lbs., thin 15 lbs. Average shpg. wt., $4 \mathbf{0 z}$.

| 100 Foot Spools |  |  |  |
| :---: | :---: | :---: | :---: |
| Stock No. | Type | Diameter | Net. |
| 32 F 30187 | Medium | .040" | 2.60 |
| 32 F 80195 | Standard | 028 ${ }^{\prime \prime}$ | 2.60 |
| 32 F 30203 | Thin | .025" | 2.60 |
| 25 Foot Spools |  |  |  |
| 32 F 80211 | Medium | .040" | . 83 |
| 32 F 30229 | Standard | .028" | . 83 |
| 32 F 30237 | Thin | .025* | 83 |

## NATIONAL BALLREDUCTION DRIVE FOR PRECISE TUNING

Efficient drive in ratios of $5: 1$ and $10: 1$. Shaft size $1 / 4$ "; \#emale coupling one end, $\dagger$ male shafts both ends.
 Shpg. wt. 402.

| Stock No. | Tye | Helnetion | Met Ea. |
| :---: | :---: | :---: | :---: |
| 32 F 51352 | NBDI-1 $\dagger$ | $5: 1$ | 3.89 |
| 32 F 51360 | NED1-2 | $5: 1$ | 4.37 |
| 32 \$51378 | NBP2-1 $\dagger$ | 10:1 | 4.48 |
| 32 F 51386 | NBD2-2 | 10:1 | 4.94 |



Blach knobs molded of high quality plastic. All have set screw for $1 / 4^{\text {" }}$ round or flatted shalt and white indicator lines. Items marked *have brass insert. SiJe shown is length. Av. shpg. wt., 202.

|  |  |  | Net Each |  |
| :---: | :---: | :---: | :---: | :---: |
| Stact No. | Fis. | sine | 1.24 | 25-me |
| 32 F 24110 | A | 2 | . 20 | 18 |
| 32 F 24128 | C | $11 / 4$ | . 12 | . 10 |
| 32 F 24136 * | C | $11 / 4{ }^{\prime \prime}$ | . 18 | . 16 |
| 32 F 24144 | D | 11/4******* | . 14 | . 12 |
| 32 ¢ 24151 * | 8 | 176\% | . 33 | 21 |
| 32 F 24169 | E | 13** | . 13 | . 11 |

## MINIATURE

## KNOBS

Plastic unob, only "to" diameter lits $1 / \operatorname{ma}^{*}$ shafts, for miniature components such as Ferri-loop-stich, sub-miniature pots, etc. Avg. shpg. wt. 2 oz. 32 F 24052 Walnut

Net .12 32 F 24011 Ivery

Net .13

## PROFESSIONAL

KNOBS
Add professional appearance to any equip. ment. Professional black-matte finish with concave top. To fit $1 / 4^{\prime \prime}$ round shaft. All knobs come with set screw. Shint dimen.
 5) 561087

Net 34

(A)
(B)

COUPLERS AND EXTENDERS
Brass couplings (A) and extenders (B). Diam eter of extender or coupling may be equal to, greater than, or less than diameter of shaft extended. Extender shaft length, 5 "" over-all length $11 / s^{\prime \prime}$ Average shpg. wt., 3 02. All are couplers except * which are extenders.

| Stock No. | Sire | Each |
| :---: | :---: | :---: |
| 32 F 64124 | 1/4 $\times 1 / 4{ }^{\prime \prime}$ | 22 |
| 32 F 64132 | 1/4 $\times 3.80$ | 25 |
| 32 F 64140 | 36 $\times 16$ | 25 |
| 32 F $64157^{*}$ | $1 / 4 \times 1 /{ }^{\prime \prime}$ | . 35 |
| 32 F $64165^{*}$ | 3/4x $1 / 4^{\prime \prime}$ | . 35 |

## $-8 \mid 3$ <br> PANEL BEARING ASSEMBLY

Use with rigid or flexible coupling when mounting. For up to Ko" panels. Av. shpg. W1. 402.
32 F $640583^{\prime \prime}$ long, $4 / 4^{\prime \prime}$ shaft
32 F $640656^{\prime \prime}$ long. $1 / 4^{\prime \prime}$ shaft
32 F 64074 Bearing only

## EXTENSION RODS

For $1 / /^{\prime \prime}$ dia. extensions. Av. shpg. wi., 401.
32 F 64082 - $6^{\circ}$ Nickel Plated ........... . 35
32 F 64090 - $6^{\prime \prime}$ Fibre
32 F 64108 - $12^{\text {² }}$ Nickel Plated … . 70
32 F 64116 - $12^{\prime \prime}$ Fibre
FLUTED KNOBS


A B


Black fluted knobs, with and without skirt. Made of thermosetting plastic with high glass finish. All have recessed brass insert and set screw. Mount on $1 / 4$ " round or flatted shaft. Shpg. wt., 2 ozs.


## STANDARD PLASTIC KNOBS

Plastic knobs with knurled bodies for general application. All have molded hole with sel screw for mounting $1 / 4^{\prime \prime}$ round of flatted shafts. Fig. P has white indicator lines. Av. shpg. wt., 2 ozs.



Extremely small, sensitive relayweighs only $1 / 2$ 02.! 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 ohms DC resistance-rated at 4.1 ma , DC Dull-in current, 0.95 ma . OC, drop-out. Enclosed in transparent plastic dust cover; Operating time $\mathbf{2 . 8}$ millisecs; release time about 1.5 msecs. Breakdown voltage rating: coil to Irame, 500 V .: contacts to frame 350 V . Meas ures $1 h_{0} x^{11} / 10 \times 7 / 8^{\prime \prime}$. Ideal for model control photocell relay, carrier-current control and dozens of other minlature applications. Imported. Shpg, wt., 402. DPDT Miniature OC Relay

## 99 F 60931

Net 2.95


Registers 0 to 9999. Highly polished chromlum plated brass case. Attached inger-ring and compact shape for comfort in holding. Plunger operated for smooth, easy action. Large, clearly read numerals. Knurled reset knob sets register to zero in one turn. Precision accuracy for lab, school and industrial users. Invaiuable for inventory con-troi-gate checking-traffic, etc. Small size, approximately $16{ }^{\circ}$ a $\times 13 /{ }^{\prime \prime}$. Permits concealed operation. Imported. Wi., 5 . oz. 99 F 90300

Net 2.29

## 5-DIGIT STROKE-ACTUATED ○. RESET COUNTER [00000 $3^{49}$

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 ; slde knob easily resets to zero from any number. Overall size: $21 / 2 \times 11 / 2 \times 1 \frac{3}{4} \mathbf{g}^{\prime}$. Imported. Wt., $1 / 2 \mathrm{lb}$. 99 F 90292

Net 3.49
6-DIGIT ELECTRIC COUNTER


May be actuated by any switch, relay, efc Operates in any position. White figures on a black background read up to 999,999. Built-in selenium rectifier. DC operated solenoid, chrome-plated. $6^{-1}$ leads, $110 \mathrm{~V}, \mathrm{AC}, 50 / 60$ Hz. Size: $21 / 2 \times 2 \times 13 / 4^{\text {m }}$. Removable front plate: $35 / 9 \times 2^{\prime \prime}$. Imported. Shpg. wt., $11 / 2 \mathrm{lbs}$. 99 ₹ 90110
jonard relay tools

Compact penfite 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: $3 / 8 \times 54 / 2^{\prime \prime}$. Shpg. wt., 302.
P-4. Penfile with 12 RB-4, $1 / 4 \times 11 / 4$ " blades. 12F22058 Net 3.90 P-6, Penfile with 12 B-6, Ki $_{6} \times 1 \frac{1}{4} 4^{\prime \prime}$ blades. 12F 22066 ...................................... 3.90 RB-4, Replacement blades for P-4, pkg. 25. 12 f 22074 Shpg. Wi., 302 Nel 3.75 RB-6 Replacement blades for P.6, pkg. 25 12f 22082 Shpg. wt., $402 . \quad$ Net 3.75


Precision gauges for determining tension of relay and other electronic springs. Engraved scale, front and back for indicating horlzontaily or vertically. Center-to-left or center to-right reading. $1 \frac{1}{2} \times 5^{\prime \prime}$. Shpg. wt., $1 / 2 \mathrm{lb}$. G. $10,0.10 \mathrm{gram}$ gauge in 1 gram steds. 12 F 22108

Net 7.48
G.50, 0.50 gram gauge in 5 gram steps. 12F 22116 ShDr. wt. 502 . Nef 7.48


## LAFÁYETTE <br> high Sensitivity meter relay <br> - Meter Movement <br> - Closes Circuit at 2 Mils

Extremely sensitive meter type relay. Normally open. Ideal suited for uses with model railroad, photoelectric relay circult, babytenders, remote control toys, remote control boats, fire alarm, and many other practical applications. Precision-built meter movement provides virtually friction-free movement. Contact will close at 2 mililamps. 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 v with resistive load. Sensitivity: $2.5-.6 \mathrm{mw}$. Internally adjustable. Relay is enclosed entirely and transparent cover permits observation. Solder pins are placed externally for easy connections. SPST. Size: $13 / 4 \times 15 / 6 \times 13 / 4^{\prime \prime}$. Imported. Shpg. wt. 5 ozs.
99 F 61996
Net 4.39


A naturat for remote control receivers, it is highly sensitive, and built to withstand severe crashes. The smallest commercial job available, it welghs fess than $1 / 202$. Factory adjusted to puli in at 1.4 MA drop out at 1.2 MA D.C. Single pole, double throw. Used in many R/C recelvers, 5,000 ohm coil. Imported.
99 F 60915
Net 2.29

COUNTERS
alco isolation control relays


- No More Hot AC Line Jangers in Your Equipment Switches and Controls!
Permits any on-olf power switch or control circuit to be isolated from the dangerous AC line voltage and to be operated safety. Excellent for remote operation of vacuum cleaners, TV sets, electric lawn mowers, floor scrubbers, heating systems, burglar alarms. slide projectors, attic fans, stereo hi-fi, machine control, etc. Handie 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. $1012.130^{\prime \prime} \mathrm{L} \times 1.733^{\prime \prime} \mathrm{W} \times 1.255^{\circ} \mathrm{H}$; Model FR-102 $=2.130^{\prime \prime} \mathrm{L} \times 1.733^{*} \mathrm{~W} \times 1.531^{\prime \prime} \mathrm{H}$; Madel FRE-103 $=2.800^{\prime \prime} \mathrm{L} \times 2.000^{\circ} \mathrm{W} \times 1.440^{\circ} \mathrm{H}$. Shpg. wt., 8 ol.
Stock No. Model Contacts Circult Resist. Net 30 F 12002 FR-101 SPST 1300 ohms 3.85 30 F 12010 FR-102 SPDT 300 ohms 4.45 30 F 12028 FRE-103 $\dagger$ SPDT 400 ohms 4.95 AC Outlet Plug-in types. Has side jach for plug-in of remote switch or sensor.


Heavy-duty SPDT coaxial relays rated 1 KW . Impedance. 50 ohms. Life, Over $1,000,000$ operations. VSWR, less than $1.15: 1$ from 0 to 500 MHz . Features patented automatic receiver-protecting connector for positlve isolation of RF from receiver: Greater than 100 db isolation between receiver and transmitter IInes from 0 to $500 \mathrm{MHz/}$ With UHF coaxial connectors. Size: $23 / 3 \times 33 / 4 \times 11 / \mathrm{H}^{\prime \prime}$. Shpg. wt 902.
Stock No. Type Coil Volts Nel Ea. $\begin{array}{llll}40 \text { F } 52015 & 60-262842 & 115 V A C & 19.80 \\ \text { 40 F } 52023 & 60-222842 & 12 \text { VOC } & 19.80\end{array}$ $\begin{array}{llll}0 & \text { F } 52023 & 60-222842 & 12 \text { VOC } \\ 19.80\end{array}$

## 5-CHANNEL RESONANT REED



## hobBy relay

- For R/C Hobby and CB Tone Receivers for High stability 0 scillator Control
Frequency tolerance $\pm 1 \%$. Features low tuning error, good temperature stability. ow driving requlrements. SPECIFICATIONS: (at $25^{\circ} \mathrm{C}$ ): Frequency stability: $\pm .0025 \%$ per degree $C$ over the range of -40 to $+85^{\circ}$ C; Coll resistance: 600 Ohms DC $\pm 10 \%$ : Threshold Sensitlylty: 1.0 V rms to 2.0 V rmas at resonant frequency; Operating level: 6.0 vrms, Design frequencles; $(\mathrm{H} 2) \pm 1.0 \%$ : REEDS: $A=266.0, B=280.8, C=313.0, D$ $349.0, E=389.0 \mathrm{~Hz}$. Constant rating 100 ma peak at 48 vdc (resistance load. contacts $(+)$ in relation to reeds). Weight 2.5 oz . Mounts with $2-6 / 32^{\prime \prime}$ tapped holes on back.
 42 F 61012

Net 10.95
MULTI-COUNTER 5-POSITION TALLY REGISTER

five plunger operated tally registers in a single highly polished chromium plated case. Ideal for (1) laboratory use (2) time \& motlon studles (3) production control. Each 3 -digit register counts up to 999. Easy-to-read numerals. Large knurled reset knob on slde refurns all 5 positions to zero simultaneously. Overall size: $51 / 4 W \times 17 / 4 \times 1 K_{4}^{\prime \prime} \mathrm{D}$. Im. ported. Shpg. wt., $11 / 2$ lbs. 99 F 90318

Net 12.95

# Amperite...Hart-Advance...Hillhurn Relays 

## AMPERITE THERMOSTATIC DELAY RELAYS

Heater-actuated time-delay relays. Operate on $A C$, DC or pulsating current. Hermetically sealed in elass envelope with octal base spsf, normally open, closed by heater aftel 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., 40 oz . Size $21 / /^{\prime \prime} \times 11 / /^{" n}$ dlameter.


## HART-ADVANCE RELAYS

## General Purpose Relays

Types GHUB-GHUH. Avalable as an open relay (GHUB) or with a dustite plastic enclosure (GHUH). Enclosed types with SPDT and DPOT contacts have 8 pin octal plugein bases while the 3PDT types use 11 pin plug-In bases. Open relays supplied with axial type solder lugs. Size: $\mathbf{G H U B}=$ $141 / 4 \times 11 / \mathrm{m} \times 1 \% / \mathrm{G}, \mathrm{GHUH}=21 / 6 \times$



|  | Mormally open | Mormally Close |
| :---: | :---: | :---: |
| Delay Sec. |  | $\underset{\mathrm{ac}}{6.3 V} \mathrm{DC}$ | volts AC. Shpe. wi., $5^{\prime}$ oz.

GHUH


## TYPE 12

Multiple contacts. Used widely in industrial controls communications equipment, and automatic vending machines. Coil dissipation, 3 watts maximum. Size: $124, W \times$ "L"
Mounting: $4 \quad 6.32$ tapped holes on $3 / 4^{*} \times 7 / 8^{*}$ centers. standard Contacts: $3 / 16^{\circ}$ silver. Rated 10 amperes resistive at 115 VAC. ShPg. wt. 8 oz.


## HILLBURN RELAYS

MS fowER 賠LAY are most effective for power transfer or control of multiple cir. cults. Used for motor controls, lightling, automation, mobile, alr-conditioning, elevators, etc. Completely insulated from mounting bracket and grounded by Insulated washers and barrier strip which meets U/L requirements for over alr and over U/L reguirements for over air and over
surlace spacing. Insulation tested at 1250 VAC. Contacts: heavy duty, positive action $1 / 4^{-}$fine sliver rated $\mathbf{1 5}$ amperes. Mounts by two \#6-32NC-2B thread holes in $2^{*}$

 Shpg. wit, 8 oz.

| Steck Ne. | Catales Me. | Volts | Nominal Pawtr | Mestitance (0hms) | Contacts | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 F 2028s | MG-16-115A | 115 VAC | 5.3 VA | 585 | SPDT | 4.31 |
| $30 \% 20294$ | MG-2C-115A | 115 VAC | 5.3 Va | 58.5 | DPDT | ©. 33 |

## PSJ SEMSITIVE CIRCUIT RELAY

A highty sensitive compact relay adaptable for single and mulitiple circuit control where reliability and low operating powers are indicated. Terminal board and arma. ture assembly molded with black general purpose phenolic for excellent insulating properties. Contacts: $5 \mathrm{~A} \cdot 3 / 16^{\prime \prime}$ silver cadmium oxide-gold plated. Sensitivity: 100 MW per pole. Mounts by two 6.32NC-2BTHO. MW per pole. Mounts by two $6.32 \mathrm{NC}-2 \mathrm{BTHO}$.
holes on 1.437 centers. Size: $11 / 14^{-} \times 1^{-2} \mathrm{x}$ holes on $1.437 "$ center
$11 \mathrm{~K}_{0}$. Shpg. Wt., 8 oz.


| Stect Mo. | Catalet Mo. | Resistance (0hms) | Nominal Pewer | Contacts | Wet |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 F 20302 | PSJ-1C-2500 | 2.5K | .1W | SPDT | 4.13 |
| 30 F 20310 | PSJ-2C-2500 | 2.5K | 2W | DPOT | 4.65 | volts DC



## POWER RELAYS

Type PC Compact and positive acting relays for either AC or DC. Contacts rated at 15 Amps resistive, 5 Amps inductlve at 115 VAC or 26.5 VDC . Size: $2 \%$ \% $\times 13 / 4 \mathrm{~W} \times 1 \%,-\mathrm{H}$.
Last part of type no $=$ volts and AC or $D C$, ie., $/ 24 \mathrm{VA}=24$ Volt $A C ; / 6 \mathrm{VO}=$ 6 Volts DC. Shpe. wt., 802.

| Coil <br> Coil <br> Ohms | Centacts <br> Ferm |  | Amps |
| ---: | :---: | :---: | ---: |$\quad$ Met

## TIME DELAY

TYPE DI Used with relays for time delay of 5 to 60 seconds. Adjustable with range of 8 to 20 cycles per minute.
Mountins Datas 2 noles . 154 dia for $6-32$ NC-2
 Shpg. wt., 2 oz.
Steck Type Cell Vah form Amps Wet
$\begin{array}{llllll}30 \text { F } 20260 \mathrm{DT} / 1 \mathrm{~A} / 115 \mathrm{VA} & 115 \mathrm{VAC} & \text { SPST-NO } & 2 & 3.60 \\ 30 \text { F } 2027 \mathrm{DT} / 1 \mathrm{~B} / 115 \mathrm{VA} & 115 \mathrm{VAC} & \text { SPST-NC } & 2 & 3.60\end{array}$


# Pilot Light Assemblies 



## ONE-INCH ENCLOSED ASSEMBLIES

Attractive, enclosed, candelabra screw base types for 115 V . S6 lamps. Chrome plated threaded jewel permit replacement of lamp from front panel. Mounts in 1 " hole; may be used on paneis up to $3 / 8^{\prime \prime}$ thick. Binding screw terminals. UL listed. Series 147-1209 have faceted jewel; 23/4" behind panel. Series 147-1600 have dome for wlde angle visibility: $2 \mathrm{~K} \mathbf{s}^{"}$ behind panel. With mounting nut and washer, less lamp. Shpg. wt., 402. Stock No. Mig. No. Fig. Jewel Netea. 33 F 32467 1209-2 A Red faceted 2.40 33 F 32475 1209-3 A Green faceted 2.40 33 F $32483 \quad 1$ ?.09-4 A Amber faceted 2.40 33 F 32491 1600-2 B Red dome 33 F 32509 1600-3 B Green dome 33 F $32517 \quad 1600-4 \quad$ B Amber dome

## ONE-INCH MOUNT ASSEMBLIES

(E) Series 147-802. For 115 V . candelabra screw base bulbs. Semi-enclosed assembly with faceted jewel. Lamp replacement from front or back. Socket portion detaches from panel bushing. $1^{\prime \prime}$ mounting hole. Shpg. wt., 302.

| Stock No. | Mlg. Type | Color | Net Ea. |
| :--- | :--- | :--- | :--- |
| 33 F 32673 | $147-802-2$ | Red | 1.20 |
| 33 F 32681 | $147-802-3$ | Green | 1.20 |
| 33 F 32699 | $147-802-4$ | Amber | 1.20 |

## PILOT LIGHTS



## 1/2 INCH HORIZONTAL OPEN ASSEMBLIES

(C) For low voltage miniature bayonet (Series 147-403) and screw base (Series 147 400) lamps. $1 / 2^{\prime \prime}$ faceted lens. Easy lamp replacement. $11 / 16^{*}$ mounting hole. Solder terminals. Less lamp. Shpg. wt., 2 oz.

(D) Space saver for low voltage incandescent bulbs. Series 147-300 for min. screw base; 147.303 for candelabra base; 147.306 for min, bayonet base faceted jewels. Soider terminals, 7/16" mounting hole. Less lamp. Shpg. wt., 202.

| $\begin{gathered} 147.300 \\ \text { Screw } \\ \text { Stock No. } \\ \hline \end{gathered}$ | $\begin{aligned} & 147-303 \\ & \text { Candelabra } \\ & \text { Stock No. } \end{aligned}$ | 147-305 Bayonet Stock No. | Color |
| :---: | :---: | :---: | :---: |
| 33 F 32582 | 33 F 32616 | 33 F 32640 | Red |
| 33 F 32590 | 33 F 32624 | 33 F 32657 | Green |
| 33 F 32608 | 33 F 32632 | 33 F 32665 | Amber |
| Net ea., . 45 | Net ea., . 46 | Net ea., . 46 |  |

## Lafayette pilot lights

 - $-4(\mathrm{~m}$
## LAFAYETTE SPECIAL NEON ASSEMBLY

For operation on 110 volts AC. Requires 100k resistor In series. When used with 200 V. use 250 k resistor in series. AC starting voltage 60 v . Servicing life, 5000 to 10,000 operating hours. Chrome finish. Imported. Shpg. wt., 2 oz.

| Stock No. | Celor | Net ea. Lots of 10 |  |
| :--- | :--- | :---: | :---: |
| 99 F 62242 | Yellow | .45 | .35 |
| 99 F 62259 | Amber | .45 | .35 |
| 99 F 62267 | Red | .45 | .35 |

## LAFAYETTE HOBBYIST PILOT LIGHT ASSEMBLIES

- Ideal for the Builder and Experimenter For both miniature screw and miniature bayonet lamps. Bulb replaceable from front of panel. Transparent plastic dome for $180^{\circ}$ visibility except $*=$ opaque. Front mounting with nickel finish nut and lockwasher. Solder terminals. S/a" mounting hole. Less Iamp. Imported. Shpg. wt., 2 oz.


| Screw Stock No. | Color | Bayonet Stock No. | $\begin{aligned} & \text { Net } \\ & \text { Ez. } \end{aligned}$ | $\begin{aligned} & \text { Lats of } \\ & 10 \mathrm{Ea} . \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 99 F 63323 | Red | 99 F 63398 |  |  |
| 99 F 63331 | Clear | 99 F63406 | . 45 | . 39 |
| 99 F 63349 | Amber | 99 F 63414 | . 45 | . 39 |
| 99 F 63356* | Green | 99 F 63422* | . 45 | . 39 |

PILOT LIGHT ASSEMBLIES WITH SLIDE BASE LAMPS

| $\begin{aligned} & \text { STOCK } \\ & \text { NO. } \end{aligned}$ |  | mp. | VOLTS | WATTS | END FOOT CANDLES | 1.9 | $\begin{aligned} & \text { NET } \\ & 10-99 \end{aligned}$ | $\text { EACH } 100 \cdot U_{p}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 F 51085 | 6 | PSB | 6 | . 6 | 800 | . 56 | . 48 | . 46 |
| 34 F 51093 | 12 |  | 12 | 2.0 | 2400 | . 56 | . 48 | . 46 |
| 34 F 51101 |  |  | 24 | 1.7 | 2200 | . 56 | . 48 | . 46 |
| 34 F 51143 | 120 | PS 8 | 120 | 3.0 | 1600 | . 56 | . 48 | . 46 |

## LINE-O.LITE PILOT LGHTS

Rectanguiar pilot light, lamp is high intensity neon, and unit has internal resistor. White nylon housing, chrome plated bezel. Plastic lens size $1 / 4 \times 1 \times 1 z^{\prime \prime}$. Mounts in hole $11 / 3 x^{13} 3_{2}{ }^{11}$, with speed nut supplied. Operates on 95-125 VAC. Shpg. wt., 202.
34F 52190 Red Lens
34 F 52209 Amber Lens
34 F 52455 White Lens


Especially made for tight spols. Mounts in 5/16" hole with speed nut supplied. High brilliance NE-2H lamp with built-in resistor as. sures long life. UL and CSA listed. Complete with two 41/2" leads. Operates on 95-125VAC Shpg. wt., 2 oz.
(A) MEDIUM LENS

34 F 52034 Red lens
34 ₹ 52042 Clear tens
34 F 52059 Amber lens 34 F 52067 White lens
(B) HIGH HAT LENS

34 F 52166 Red lens
34 F 52174 Amber lens 34 F 52182 White tens
For use on instrument panels, etc. Will last in excess of $10-25,000$ hours. Built in NE-2H neon glow lamp and current limitling resistor. Mounts In $1 / 2^{\prime \prime}$ hole with speed nut (supplied). Complete with $41 / 2^{\prime \prime}$ leads. Operates on 95.125 VAC. Avallable with rounded, cylindrical or square lens, with chrome bezel. Shpg. Wt., 2 oz. (A) ROUNDED LENS

34 F 52083 Red lens $\quad 34$ F 52091 Amber lens
34 F 52018 Clear tens 34 F 52026 White lens
(B) CYLINORICAL LENS

Net ea. . 59
34 F 52109 Red lens
34 F 52117 Amber lens 34 F 52125 White tens ea. . 59 (C) SQUARE LENS

34 F 52133 Red lens
34 F 52141 Amber lens 34 F 52158 White lens Net ea. . 59 (0). BUTTON TYPE LENS (Mounts in $7 / 8^{\prime \prime}$ hole) 34 F 52422 Red lens
34 F 52430 Amber tens 34 F 52448 White lens
Net ea. . 59

## GLO-DOT NEON PILOT LIGHTS

## Relay Accessories - Miniature Pilot Lamps <br> <br> AC-DC PILOT LAMPS <br> <br> AC-DC PILOT LAMPS <br> PILOT LAMPS -FLASHLIGHT BULBS

##  <br> $L$

Rated at $115-125 \mathrm{~V}$. 1500 hours average use. All are Candelabra Screw base except + are Double Contact Bayonet Candelabra and $\ddagger$ is miniature bayonet. All clear except *is white. Average shpg. wt., 302 . each.

| Stack No. | Type | Fig. | Watts | Lots 10 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Ea | Ea. |
| 32 ¢ 66640 | 356 | L | 3 | . 45 | 2 |
| 32 F 66657 | 656 | L | 6 | . 34 |  |
| 32 F 56665 | $6 \mathrm{S60C} \dagger$ | M | 6 | . 36 | . 32 |
| 32 F 66673 | 7C7/C | N | 7 | . 21 | . 19 |
| 32 F 66681 | 7C7/W* | N | 7 | . 25 | . 22 |
| 32 F 66699 | 10c70C $\dagger$ | R | 10 | . 35 | . 31 |
| 32 F 66707 | T $41 / 2$ | 0 | A | . 70 | . 63 |
| 34 F 51077 | 120 MB \# | $\times$ | 3 | . 51 | . 44 |



Cadmlum plated brackets with tinned brass lugs. Bayonet type with coll spring construction for positive contact. For minlature screw, bayonet, and candelabra base. Avg. shpg. Wt., 201 .

MINIATURE SCREW TYPE

| Stock No. | Type | Fig. | Ea. | 10 For |
| :---: | :---: | :---: | :---: | :---: |
| 32 F 28004 | 5.01 | 1 |  |  |
| 32 F 28012 | 5-07 | 2 | . 35 | 2.60 |
| 32 F 28020 | 5.04 | 3 | . 35 |  |
| 32 F 28038 | 5.05 | 4 |  |  |
| miniature bayonet type |  |  |  |  |
| 32 F 28046 | 7.01 | 1 |  |  |
| 32 F 28053 | 7.07 | 2 | . 39 | 2.60 |
| 32 F 28061 | 7.04 | 3 |  |  |
| Canoelabra type, 115 VOLT |  |  |  |  |
|  |  |  |  |  |
| 32 F 28087 | 6.01 |  |  |  |
| 32 F 28095 | 6.07 | $\frac{2}{3}$ | . 40 | 2.60 |
| 32 F 28103 | 6.04 6.05 | 3 |  |  |

## SOCKETS FOR NEON,

 ARGON AND PILOT LAMPS 6

(5) Cleat Receptacle with Edison Socket. 13 F 1276 Shpg. wt., $402 . \ldots \ldots$ Net 28
(5) Receptacle with miniature screw socket. 13 F 81284 Shpg. wt., 302. Net 22 (5) Receptacle with candelabra socket.

13 F 1292 Shpg. wt., 3 oz. ..........Net . 22
(6) Recessed receptacle with double contact bayonet socket. Top mounting.
13 F 34010 Shpg. wt., 302. $\qquad$ Net .59
(7) Double contact bayonet candelabra socket 13 F 34028 Shpg. wt., $307 . \ldots \ldots$ Net 1.49
(7) Single contact bayonet candetabra socket ti F 34036 Shpg. wt., 302.


For. radio and T.V. pilot lights, panels, flasnights, foys, appliances, coln machines, etc. Base code: 1- single contact flanged, 2- miniature screw, 4- speciat, 5 - single contact midget, B- single contact bayonet, 7 -double contact bayonet, 8 - midget screw, 9 - miniature bayonet. 10- two pln, 11- sub-midget flanged, 12-1" tinned leads. Under AMPS, CP means candlepower, $t-25,000$ hour subminiature lamp, $\$-40,000$ hour, $-50,000$ hour, $-100,000$ hour. Shpg. wt., box 10 is 4 oz. 1 lamp. 202.

| Stock No. | $\begin{aligned} & \text { GE } \\ & \text { No. } \end{aligned}$ | Voft | Amp. | Fig | Base | Net <br> Ea. | $\begin{aligned} & 10 \\ & \text { for } \end{aligned}$ | Stock No. | $\begin{aligned} & \text { CE } \\ & \text { No. } \end{aligned}$ | Volt | Amp. | Fig | Base | Net Ea. | $\begin{aligned} & 10 \\ & \text { for } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 66012 | PR.2 | 2.4 | 0.50 | A | 1 | . 22 | 1.29 | 32 P66400 | 328 | 6 | 0.20 | P | 5 | .60 | 3.62 |
| 32 F 66020 | PR. 3 | 3.6 | 0.50 | A | 1 | . 22 | 1.29 | 32 F 66913 | 330 | 14 | 0.08 | P | 5 | 1.02 | 6.12 |
| 32 F 66038 | PR-4 | 2.3 | 0.27 | A | 1 | 22 | 1.31 | 32 F 66947 | 382* | 14 | 0.08 | $P$ | 5 | 1.46 | 8.77 |
| 32 F 66046 | PR-6 | 2.5 | 0.30 | A | 1 | . 22 | 1.29 | 32 P66954 | 387† | 28 | 0.04 | P | 5 | . 78 | 4.66 |
| 32 F 66053 | PR-12 | 5.95 | 0.50 | A | 1 | . 22 | 1.31 | 32 F 66863 | 407 | 4.9 | 0.30 | H | 2 | . 25 | 1.50 |
| 32 F 66061 | PR. 13 | 4.75 | 0.50 | A | 1 | . 22 | 1.29 | 32 F 66418 | 425 | 5 | 0.50 | H | 2 | . 24 | 1.46 |
| 32 F 66079 | 12 | 6.3 | 0.15 | 0 | 10 | 29 | 1.73 | 32 F 66426 | 428 | 12. | 0.25 | H | 2 | 28 | 1.65 |
| 32 F 66087 | 13 | 3.7 | 0.30 | H | 2 | . 19 | 1.11 | 32 F 66434 | 432 | 18 | 0.25 | H | 2 | . 32 | 1.92 |
| 32 F 66095 | 14 | 2.5 | 0.30 | H | 2 | .19 | 1.11 | 32 F 66442 | 433 | 18 | 0.25 | 6 | 9 | 33 | 1.99 |
| 32 F 66103 | 27 | 4.9 | 0.30 | H | 2 | 27 | 1.35 | 32 F 66459 | 502 | 5.1 | 0.15 | H | 2 | . 20 | 1.19 |
| 32 F 66111 | 31 | 6.2 | 0.30 | H | 2 | 28 | 1.65 | 32 F 664 | 605 | 6. | 0.50 | H | 2 | . 24 | 1.46 |
| 32 F 66125 | 40 | 6.8 | 0.15 | $B$ | 2 | . 15 | . 89 | 32 F 65962 | 680 | 5 | 0.06 | R | 12 | 2.82 | 16.93 |
| 32 F 66137 | 41 | 2.5 | 0.50 | B | 2 | . 29 | 1.72 | 32 • 66970 | 682. | 5 | 0.06 | S | 11 | 3.56 | 21.37 |
| 32 F 66145 | 42 | 3.2 | 0.35 | B | 2 | .37 | 2.22 | 32 F 66996 | 685. | 5 | 0.06 | S | 11 | 3.56 | 21.37 |
| 32 F 66152 | 43 | 2.5 | 0.50 | C | 9 | . 29 | 1.76 | 32 F 69024 | 718 | 5 | 0.115 | S | 11 | 3.56 | 21.37 |
| 32 F 66160 | 44 | 6.8 | 0.25 | C | 9 | . 15 | . 88 | 32 F 69032 | 755 | 6.3 | 0.15 | C | 9 | . 37 | 2.19 |
| 32 f 66178 | 45 | 3.2 | 0.35 | C | 9 | . 24 | 1.46 | 32 F 69040 | 756 | 14 | 0.08 | C | 9 | . 49 | 2.92 |
| 32 F 66186 | 46 | 6.8 | 0.25 | B | 2 | .15 | . 88 | 32 F 69057 | 757 | 28 | 0.08 | C | 9 | . 54 | 3.22 |
| 32 F 66194 | 47 | 6.8 | 0.15 | C | 9 | . 15 | . 88 | 32 F 66475 | 1129 | 6.8 | 21C.P. | F | 6 | .36 | 2.19 |
| 32 F 66202 | 48 | 2.0 | 0.06 | B | 2 | .29 | 1.72 | 32 F 66483 | 1133 | 6-8 | 32C.P. | 1 | 6 | . 52 | 3.12 |
| 32 F 6521 * | 49 | 2.0 | 0.06 | C | 9 | .24 | 1.46 | 32 F 66715 | 1156 | 12 | 32C.P. | F | 6 | . 51 | 3.03 |
| 32F6622 | 50 | 6.8 | 1C.P. | H | 2 | .17 | 1.03 | 32 F 66491 | 1446 | 12 | 0.20 | H | 2 | . 33 | 1.97 |
| 32F66235 | 51 | 6-8 | 1C.P. | G | 9 | .16 | . 96 | 32 F 66509 | 1447 | 18 | 0.15 | H | 2 | .22 | 1.35 |
| 32 F 66244 | 53 | 14.4 | 0.12 | 6 | 9 | . 18 | 1.07 | 32 F 66517 | 1449 | 14 | 0.20 | H | 2 | . 18 | 1.10 |
| 32 F 66251 | 55 | 6.8 | $2 C$. | G | 9 | .16 | . 96 | 32 F 66533 | 1477 | 24 | 0.17 | B | 2 | . 75 | 4.47 |
| 32 F 66269 | 57 | $12 \cdot 16$ | 2C.P | G | 9 | . 18 | 1.07 | 32 F 66541 | 1487 | 12-16 | 0.20 | B | 2 | . 29 | 1.72 |
| 32 F 66277 | 63 | 6-8 | 3C. P | G | 6 | . 21 | 1.23 | 32 F 66558 | 1488 | 14 | 0.15 | C | 9 | . 31 | 1.86 |
| 32 F 66285 | 81 | 6.8 | 6C.P | G | 6 | .26 | 1.57 | 32 F 66566 | 1490 | 3.2 | 0.16 | C | 9 | . 23 | 1.41 |
| 32 F 66293 | 82 | $6-8$ | 6C. | G | 7 | . 26 | 1.57 | 32 F 66574 | 1493 | 6.5 | 2.75 | $F$ | 7 | 1.42 | 8.52 |
| 32 F 66843 | 93 | 12 | 15 | F | 6 | .36 | 2.13 | 32 F 65889 | 1700 | 6 | 5.5 | J | 6 | . .96 | 5.76 |
| 32 f 66301 | 112 | 1.2 | 0.22 | D | 2 | . 19 | 1.11 | 32 F 66582 | 1768 | 6 | 0.20 | B | 8 | 1.03 | 6.19 |
| 32 F 66319 | 123 | 1.25 | 0.30 | H | 2 | .20 | 1.19 | 32 F 66590 | 1815 | 12-16 | 0.20 | C | 9 | .27 | 1.59 |
| 32 F 66327 | 136 | 1.3 | 0.60 | H | 2 | . 25 | 1.51 | 32 F 66855 | 1819 | 28 | 0.04 | C | 9 | .39 | 2.31 |
| 32 F 66335 | 222 | 2.2 | 0.25 | D | 2 | . 19 | 1.11 | 32 f 66508 | 1820 | 28 | 0.10 | C | 9 | . 37 | 2.19 |
| 32 F 68343 | 223 | 2.2 | 0.25 | - | 2 | . 25 | 1.51 | 32 F 69065 | 1828 | 37.5 | 0.05 | C | 9 | .78 | 4.67 |
| 32 F 66350 | 224 | 2.15 | 0.22 | E | 4 | .25 | 1.50 | 32 F 66616 | 1829 | 28 | 0.07 | C | 9 | .40 | 2.38 |
| 32 F 66368 | 233 | 2.2 | 0.27 | H | 2 | . 25 | 1.50 | 32 F 69073 | 1835 | 55 | 0.05 | C | 9 | . 88 | 5.30 |
| 32 F 69107 | 239 | 6.3 | 0.36 | C | 9 | . 34 | 2.03 | 32 F 66624 | 1347 | 6.3 | 0.15 | C | 9 | .21 | 1.24 |
| 32 F 66376 | 248 | 2.5 | 0.80 | H | 2 | .38 | 2.31 | 32 F 69081 | 1864 | 28 | 0.17 | C | 9 | . 50 | 2.98 |
| 32 F69156 | 257 | 14 | . 27 | G | 9 | .37 | 2.21 | 32 F 66632 | 1891 | 12 | 0.24 | C | 9 | .19 | 1.11 |
| 32 F 66384 | 313 | 28 | 0.17 | C | 9 | .37 | 2.23 | 32 F 69099 | 1893 | 14 | 0.33 | C | 9 | .21 | 1.26 |
| 32 F 66392 | 327 | 28 | 0.04 | P | 5 | . 76 | 4.57 |  |  |  |  |  |  |  |  |

For Illuminating Meters Internalliy
Used in Lafayette " s " and Modutation panel meters. Operates on 6 volts AC or DC. Can operate on 12 volts with 2 lamps in series. Shog. wt., 202.
99 F 52622
Net 34

## METER ILLUMINATING PILOT LAMP

## NEON GLOW LAMPS

for $105-125$ VAC operation. Screw types have resisior in base for $105-125 \mathrm{v}$ others requlre external resistor. AC starting voltage shown: DC startlng voltage $40 \%$ higher. Shpg. wt, 2 oz.



| Stock No. | Type | Watts | Start Volt | Ease Type | Each | $\begin{gathered} \text { 10.Up } \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 66731 | A9A | NE-2E 1/10 | 65 | Wire Term | 12 | 11 |
| 32 F 66830 | C2A | NE-2, NE-2E 1/4 | - | Wire Term | .12 | . 11 |
| 32 F 66798 | B7A | NE-45 1/4 | 65 | Cand. Screw | . 92 | . 83 |
| 32 F 66806 | B9A | NE-48 1/4 | 65 | D.C. Bay. | . 75 | . 68 |
| 32 F 65814 | B1A | NE.51 1/25 | 65 | S.C. Bay. Min | . 27 | -24 |
| 32 F 66822 | B2A | NE.51H 1/4 | 6 | S.C. Bay. Min | . 27 | . 24 |
| 32 F 66871 | ${ }_{5} 5$ AC | NE. 68 | 60 | Wire Term. | . 36 | . 32 |
| 32 F 66897 | 5AH | NE.83 - | 60 | Wire Term. | .26 | . 23 |

General Electric and RCA Picture Tubes
Tubes failing in normal use within 1 year will be replaced. You pay oniy transportation. Black o white tubes are made of entirety new materials emcept the glass which may be re-used after test inspection and refurbishing to meet new glass standards. Color tubes may conspected

average shipping weights for picture tubes
Tube Prefix Shpg Wt Tube Prefix Shpg Wi Tube Prefix Shpg We

| 8 | 5 lbs. | 13 | 8 lbs. | 20 | 20 lbs. |
| ---: | :---: | :---: | :---: | :---: | :---: |
| 9 | 5 lbs. | 14 | 9 lbs. | 21 | 30 lbs. |
| 10 | 7 lbs. | 16 | 11 lbs. | 23 | 40 lbs. |
| 12 | 8 lbs. | 17 | 13 lbs. | 24 | 42 lbs. |
|  |  | 19 | 15 lbs. | 27 | 45 lbs. |

The prefix of the picture tube is determined by the first two digits in the Type No.

NOTE: WE WILL FILL YOUR ORDER WITH EITHER A G.E. OR AN RCA TUBE DEPENDING UPON STOCK AVAILABILITY.

| STOCK NO. T | TUBE TYPE | NET EA. | $\begin{aligned} & \text { DUD } \\ & \text { VALUE } \end{aligned}$ | Stack Mo. | Tube Type | Net Each | Dud Value | Stock No. | Tube Type | $\begin{array}{ll} \text { Not } \\ \text { Each } \end{array}$ | Dud Value |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 F 80063 WX | $8 \mathrm{8XP4}$ | 30.65 |  | 36 F $82325 W X$ | 17 EWP4 | 38.00 |  | 36 F 81566 WX | 21FVP4 | 41.10 |  |
| 36 F 80071 WX | $8 \mathrm{YP4} 4$ | 42.10 | 1.75 | 36 F 3680477 WX | 17HP4C | 22.55 |  | 36 F $81954 W \mathrm{~W}$ | $215 \times P 4$ | 43.20 | 1.00 |
| 36 F 82374WX | 9AEP4 | 21.30 |  | 36 F 80493WX | $17 \mathrm{LP48}$ | 24.15 |  | 36 F 81962 WX | $2168 P 4$ | 41.35 | 1.00 |
| 36 F 82382 Wx | 9AGP4 | 22.60 |  | 36 F 80519WX | 179P4B | 24.15 |  | 36 F 80899WX | 21 WP4B | 29.55 |  |
| 36 F 40174WX | 9 VP 4 | 25.00 |  | 36 F 80527WX | $19 \mathrm{ABP4}$ | 37.30 | 4.00 | 36 F 82556WX | $21 \times \mathrm{P} 48$ | 29.95 |  |
| 36 F 81640 WX | 9WP4 | 22.65 |  | 36 F 60543WX | 9AFP4 | 32.60 | 4.00 | 36 F B0915WX | 21YP4B | 21.60 |  |
| 36 F 82283WX | 10ARP4 | 21.35 |  | 36 F 80568wx | 19AP4 | 32.75 | 4.00 | 36 F 80923WX | 21ZP4C | 21.60 |  |
| 36 F 82390WX | 10ATP4 | 23.40 |  | 36 F 80576wX | 19 | 32.75 | 4.00 | 36 F 80949WX | 23AHP4/ASP4 | 39.10 | 4.75 |
| 36 F 81657 WX | $11 \mathrm{CP4}$ | 25.80 |  | 36 F 80584wx | 19AYP4 | 32.75 | 4.00 | 36 F 81574WX | 23ARP4 | 46.90 |  |
| 36 F 81665WX | 11GP4 | 27.10 |  | 36 F 81509WX | 4 | 32.75 | 3.00 | 36 F 81582 Wx | 238GP4 | 45.50 | 2.75 |
| 36 F 82291 WX | $11 \mathrm{HP4A}$ | 24.75 |  | 36 F 81517 WX | $19 \mathrm{CHP4}$ | 32.75 | 4.00 | 36 F 80972WX | $238 \mathrm{JP4} 4$ | 40.75 | 3.75 |
| 36 F 81673WX | 11 UP4 | 25.70 |  | 36 F 81780Wx | $19 \mathrm{CMP4}$ | 32.75 | 4.00 | 36 F 80998wX | $23 \mathrm{EKP4}$ | 45.50 | 3.75 |
| 36 F 81681wx | 128EP4 | 22.60 |  | 36 F $81525 W \mathrm{~W}$ | $19 \mathrm{CVP4}$ | 35.60 | 4.00 | 36 F 81020WX | 2380P4 | 45.50 | 3.75 |
| 36 F 82408 Wx | 128GP4 | 23.50 |  | 36 F 82473wx | $19 \mathrm{CXP4}$ | 35.60 | 4.00 | 36 F 81038 WX | 238TP4 | 45.50 | 6.50 |
| 36 F 82135WX | $12 \mathrm{BKP4}$ | 22.80 |  | 36 F $82481 w x$ | $19 \mathrm{C2P4}$ | 35.60 | 4.00 | 36 F 81053WX | 23CP4A | 45.50 | 3.75 |
| 36 F 81442WX | 128NP4A | 23.35 |  | 36 F 81798 Wx | 1908P4 | 36.40 | 4.00 | 36 F $81590 W \mathrm{~W}$ | $23 C G P 4 A$ | 39.10 | 4.75 |
| 36 F 81699WX | 128ZP4 | 25.00 |  | 36 F $81806 W X$ | $190 \mathrm{KP4}$ | 35.60 | 4.00 | 36 F 81061 | 23CQP4A | 38.20 | 4.00 |
| 36 F $81624 W X$ | 12 CDP 4 | 23.95 |  | 36 F 40059wx | 1900P4 | 35 | 4.00 | 36 F 81079wX | 230AP4 | 40.60 | 4.00 |
| 36 F 81707WX | 12CNP4 | 25.30 |  | 36 F 81541wx | 190RP4 | 33.56 |  | 36 F $81087 W X$ | 2308P4 | 46.80 |  |
| 36 F 22143WX | 12CWP4 | 25.00 |  | 36 F $81558 w x$ | 190 SP 4 | 6 |  | 36 F 81095 WX | 230KP4 | 46.80 | 6.50 |
| 36 F 82309WX | 12DEP4 | 21.30 |  | 36 f 81350wx | 190UP4 | 33.56 |  | 36 F 82564WX | 23DLP4 | 46.80 | 6.50 |
| 36 F 2317 WX | 12DFP4 | 30.00 |  | 36 F 81368WX | 190VP4 | 36.30 | 4.00 | 36 F $81970 W X$ | 23 DNP4 | 45.50 | 6.50 |
| 36 F 82416wx | 120GP4 | 18.55 |  | 36 F 81814 WX . | $19 \mathrm{EBP4}$ | 40.75 | 4.00 | 36 F 82572WX | $2305 P 4$ | 57.10 | 6.50 |
| 36 F 82424WX | 120SP4 | 24.15 |  | 36 F 81384WX | 19ECP4 | 35.10 |  | 36 F 82259WX | 230WP4 | 57.95 | 6.50 |
| 36 F 81715WX | 13 AP4 | 26.60 |  | 36 F 81822WX | $19 \mathrm{EGP4}$ | 36.30 | 4.00 | 36 F 81152 WX | $23 E P 4$ | 45.50 | 3.75 |
| 36 F 82432WX | 14WP4 | 28.95 |  | 36 F 82200WX | $19 \mathrm{EKP4}$ | 40.10 | 4.00 | 36 F 81988 WX | 23ECP4 | 45.50 | 6.50 |
| 36 F 80212WX | 16ATP4 | 27.60 |  | 36 F 81830WX | 19 ERPA | 40.10 | 4.00 | 36 F 81996 WX | 23EDP4 | 45.50 | 6.50 |
| 36 F 82150 WX | 16 AUP4 | 27.70 |  | 36 F 82507WX | 19E2P4 | 41.75 | 3.00 | 36 F 40216 WX | $23 E K P 4$ | 45.00 | 3.25 |
| 36 F 82440WX | 16AYP4 | 27.70 |  | 36 F $81863 W$ X | 19FLP4 | 33.56 | - | 36 F 40083 WX | 23ENP4 | 43.65 | 3.25 |
| 36 F 40075 WX | 16A7P4 | 23.95 |  | 36 F sis7iwx | $19 \mathrm{FLP4}$ | 33.80 40.10 | 4.00 | $36 \mathrm{~F} / 1608 \mathrm{WX}$ | 23EQP4 | 41.50 | - |
| 36 F 81723WX | 16BCP4 | 34.50 |  | 36 F 82333W | 19GAPP4A | 40.10 | 4.00 | 36 F 81616 WX | $23 E T P 4$ | 46.35 | 4.75 |
| 36 F 81475WX | 168GP4 | 31.90 |  | 36 F : 2515 Wr | $19 \mathrm{GJP4}$ | 34.30 |  | 36 F 82267wX | $23 \mathrm{EYP4}$ | 50.85 | 3.25 |
| 36 F 82168WX | 16BUP4 | 27.60 |  | 36 F 82523Wx | 19VAHP4 | 38.75 | 4.00 | 36 F 82580WX | 23E2P4 | 48.15 | 4.00 |
| 36 F 81731wx | 168XP4 | 33.90 |  | 36 F 82531 WX | 19VAHP4 | 39.25 | - | 36 F 81178 WX | 23FP4A | 40.60 | 4.00 |
| 36 F $81483 W \mathrm{X}$ | 168 YP 4 | 29.40 |  | 36 F 82341wx | 19VAMP4 | 39.25 | - | 36 F 82028 WX | $23 F N P 4$ | 40.60 | 6.50 |
| 36 F 82457 WX | 16CHP4A | 31.95 |  | 36 FF 82549 WX | 20RP4 | 32.95 |  | 36 F 82036 WX | $23 F R P 4$ | 49.40 | 4.75 |
| 36 F 81749wx | 16CMP4A | 33.30 |  | 36 F 82218WX | $20 \mathrm{SP4} 4$ | 36.40 |  | 36 F 82044WX | 23FSP4 | 49.40 | 4.75 |
| 36 F 81756WX | 16CNP4 | 31.95 |  | 36 f 82228wx | 207P4 | 37.10 |  | 36 F 82077WX | 23GSP4 | 47.70 | 4.75 |
| 36 F 81632WX | 16CQP4 | 30.60 |  | 36 F 81897WX | 21 AMP4B | 36.40 |  | 36 F 82598WX | 23GWP4 | 48.10 | 4.75 |
| 36 F 82176WX | 16CWP4 | 30.60 |  | 36 F 80717WX | 21AUP4C | 21.95 |  | 36 F 40224WX | 23 HFP 4 | 48.10 | 4.75 |
| 36 F $81764 W X$ | 16RP4B | 20.70 |  | 36 F 81905WX | 21CBP4A | 26.35 |  | 36 F 82085 WX | $23 \mathrm{HGP4}$ | 47.70 | 4.75 |
| 36 F 81712 Wx | 16 TP4 | 28.25 |  | 36 F 80741wx | 21C8P4 | 19.40 30.15 |  | 36 F 82093WX | 23HUP4 | 46.50 | 4.75 |
| 36 F 80295WX | 178940 | 22.55 |  | 36 F 80774WX | 210 HP | 30.15 | - | 36 F 82101WX | $23 \mathrm{HWP4}$ | 49.40 | 4.75 |
| 36 F 80287 WX | 17BJP4 | 24.15 |  | 36 F 80782wX | 2101 | 30.05 | - | 36 F 81186 WK | 23194 | 45.50 | 3.75 |
| 36 F 80303WX | 178WP4 | 24.00 |  | 36 F 81921wx | 210 | 24.70 | - | 36 F 82366WX | 23JEP4 | 47.65 | 4.75 |
| 36 F 82465WX | 17CFP4 | 24.60 |  | 36 F 80790wx | 210SP4 | 26.25 | - | 36 F 81202 WX | 23NP4 | 40.80 | 4.00 |
| 36 F 82184wX | 17DAP4 | 29.55 |  | 36 F 80790 WX | $21 E P 4 C$ | 28.80 | - | 36 F 81236WX | 24AEP4 | 29.00 |  |
| 36 F 80410WX | 17DQP4 | 25.35 |  | 36 F 82350wx | $21 E M P 4 / E Q P 4$ | 27.45 | - | 36 f 81244WX | 24AHP4 | 42.90 |  |
| 36 F 80428WX | 170RP4 | 30.10 |  | 36 F 80873 WX | 21 FP4D | 28.80 |  | 36 F 81277 WX | 24AUP4 | 35.60 |  |
| 36 F 80436 WX | 170SP4 | 26.65 |  | 36 F 80840WX | 21 FDP4 | 38,92 |  | 36 F 81301WX | 24CP4B | 29.00 |  |
| 36 F 80444WX | $170 \times 1$ | 24.60 |  | 36 F 82234WX | 21FMP4 | 35.35 |  | 36 F 11343 WX | 27XP4 | 0 |  |
| 36 F 82192 WK | $17 \mathrm{EMP4}$ | 38.00 | - | 36 F B1947WX | 21 FUP4 | 43.20 | 1.00 | 36 F 2127 Wx | 272P4 | 83.85 | 6.50 |

CROSS-REFERENCE FOR TUBE TYPES NOT SHOWN ABOVE

| Orig. <br> Type | Replace With | $\begin{aligned} & \text { Orig. } \\ & \text { Type } \end{aligned}$ | Replace With | Orig. <br> Type | Replace With | Drig. <br> Type | $\begin{aligned} & \text { Replace } \\ & \text { With } \end{aligned}$ | Orig. Type | $\begin{gathered} \text { Replace } \\ \text { With } \\ \hline \end{gathered}$ | Orit Type | Replace With |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11AP4 | 11HP4A | $168 \mathrm{GP4}$ $168 \mathrm{KP4}$ | 16ATP4 $16 \mathrm{CHP4A}$ | $17 \mathrm{CAP4}$ | 170SP4 | 19AKP4 | 19AVP4 | $190 \mathrm{LP4}$ | 19CHP4 | 19FDP4 | 190QP4 |
| 118 PA | $11 \mathrm{HP4A}$ | $168 \mathrm{MP4}$ | 16AYP4 | $17 \mathrm{CKP4}$ | 178 l | 19ANP4 | 19AYP4 | $190 \mathrm{NP4}$ | $190 \mathrm{KP4}$ | 19FJP4 | 1900P4 |
| $12 \mathrm{BLP4}$ | $128 \mathrm{KP4} 4$ | 1680P4 | $16 \mathrm{CMP4A}$ | $17 \mathrm{CSP4}$ | 178WP4 | 19ARP4 | 19AFP4 | 190WP4 | 1900P4 | $19 \mathrm{FSP4}$ | 19FEP4 |
| $128 \mathrm{MP4}$ | 12CDP4 | 168SP4 | 16ATP4 | $17 \mathrm{CWP4}$ | 170SP4 | 19AXP4 | 19AYP4 | 190YP4 | 19CVP4 | $19 \mathrm{FTP4}$ | 19FLP4 |
| 128084 | $12 \mathrm{KKP4}$ | $168 \mathrm{VP4}$ | 16ATP4 | 17C2P4 | 178JP4 | 19APP4 | 19AVP4 | 1902 P 4 | 190VP4 | $19 \mathrm{FWP4}$ | 19AYP4 |
| 12BUP4 | 12BKP4 | 168WP4 | 16BGP4 | $170 \mathrm{HP4}$ | 170xP4 | 198HP4 | 19AVP4 | 19EAP4 | $19 \mathrm{EPP4}$ | $19 \mathrm{GBP4}$ | 19C2P4 |
| $12 \mathrm{CQP4}$ | 12 BKP 4 | $16 \mathrm{CAP4}$ | 168GP4 | 170LP4 | 170SP4 | $198 \mathrm{VP4}$ | 19AVP4 | 19EDP4 | 190RP4 | 19GFP4 | 19GEP4 |
| 12 DHP 4 | $12 \mathrm{EKP4}$ | 16CEP4 | $16 \mathrm{CMP4A}$ | 1702 P4 | 170XP4 | 198WP4 | 19AYP4 | $19 \mathrm{EFP4}$ | $190 \mathrm{SP4}$ | 19GJP4 | 190QP4 |
| $12 \mathrm{CFP4}$ | $12 \mathrm{CNP4}$ | 16CFP4 | $16 \mathrm{CQP4}$ | $17 \mathrm{EPP4}$ | $170 \times \mathrm{P} 4$ | $19 \mathrm{CDP4}$ |  | 19EHP4 | 190RP4 | $19 \mathrm{GNP4}$ | 190RP4 |
| $12 \mathrm{CGP4}$ | 12BNP4A | 16CJP4 | 16CMP4A | $17 \mathrm{EFP4}$ | $170 \times \mathrm{P4}$ | $19 \mathrm{CJP4}$ | 19CXP4 | 19EPP4 | 190UP4 | $19 \mathrm{GRP4}$ | 190QP4 |
| $14 \mathrm{NP4}$ | $14 \mathrm{WP4}$ | $16 \mathrm{CUP4}$ | 16ATP4 | $17 \mathrm{FP4}$ | $17 \mathrm{HP4C}$ | $19 \mathrm{CLP4}$ |  | $19 \mathrm{ELP4}$ | 19AVP4 | $19 \mathrm{GTP4}$ | 190UP4 |
| 14RP4 | 14 WPA | $16 \mathrm{CVP4}$ | 16 ATP4 | $17 \mathrm{JP4}$ | $178 \mathrm{PP40}$ | $19 \mathrm{CLPP4}$ | 198084 | $19 \mathrm{ENP4}$ | $19 \mathrm{FEP4B}$ | 19XP4 | 19AVP4 |
| 14SP4 | 14 WP4 | $16 \mathrm{KP4}$ | 16RP4B | 17RP4 | 17 HPAC | $19 \mathrm{CRP4}$ | 198DP4 | $19 \mathrm{ERP4}$ | $190 \mathrm{PP4}$ | 192P4 | 19AVP4 |
| 142P4 | $14 \mathrm{WP4}$ | 17ATP4 | 178JP4 | 17UP4 | 179P48 |  |  |  | 190SP4 | 20XP4 | 201P4 |
| 16ASP4 | 16ATP4 | 17AVP4 | 178JP4 | 17VP4 | 17LP48 | 19CSP4 | $19 \mathrm{CHP4}$ | 19EUP4 | 190RP4 | $20 \mathrm{PP4}$ | 20SP4 |
| 16AVP4 | $168 \mathrm{CP4}$ | 178RP4 | 170SP4 | $17 \mathrm{YP4}$ | $17 \mathrm{PP4B}$ | 19CUP4 | $19 \mathrm{CMP4}$ | $19 \mathrm{EVP4}$ | 190QP4 | $202 \mathrm{CP4} 4$ | 20 AMP4 4 |
| 16AYP4 | 168GP4 | 178UP4 | 178JP4 | 19ACP4 | $19 \mathrm{CHP4}$ | 19DCP4 | 19DRP4 | 19EWP4 | 190QP4 | 21AVP4 | 21AMP4B |
| 16BDP4 | 16AUP4 | $17 \mathrm{BVP4}$ | 178WP4 | 19ADP4 | 19AVP4 | 19DFP4 | $19 \mathrm{CHP4}$ | 19FPP4 | 19EGP4 | lavpa | $21 \times P 48$ |
| 168FP4 | 16AYP4 | 1782P4 | 170SP4 | 19AHP4 | 19AYP4 | 190HP4 | 190SP4 | 19FCP4 | 1900P4 | $218 A P 4$ | $21 \mathrm{CBP4A}$ |
| 248 | Lafayette | No. 71 |  |  | Pric |  |  |  |  |  | Notice |

248 Lafayette Cat. No. 710
Prices and Specifications are Subject to Change Without Notice

PICTURE TUBE CROSS-REFERENCE (Cont'd.)

| Oris. Type | Replace With | Orig. Type | $\begin{aligned} & \text { Replace } \\ & \text { With } \end{aligned}$ | orig. Type | $\begin{aligned} & \text { Replate } \\ & \text { With } \end{aligned}$ | Orig. Type | $\begin{aligned} & \text { Replace } \\ & \text { With } \end{aligned}$ | Oris. Type | $\begin{aligned} & \text { Replace } \\ & \text { With } \end{aligned}$ | Orig. Type | $\begin{aligned} & \text { Replace } \\ & \text { with } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 218DP4 | 21AUP4C | 2150 P 4 | 21 EMP4 | 23BHP4 | 23BGP4 | 23ELP4 | 23EKP4 | 23GTP4 | 23ETP4 | 23TP4 | $238 T P 4$ |
| 21BNP4 | 21CBP4A | $21 E \mathrm{EP} 4$ | $215 M P 4$ | 23BLP4 | $23 \mathrm{BKP4}$ | 23EMP4 | $23 \mathrm{EXP4}$ | 23GUP4 | 23 FRP4 | 23UP4 | $2380{ }^{2} 4$ |
| $2185 P 4$ | 21 AMP4B | $21 E S P 4$ | $21 E M P 4$ | 23BMP4 | 23BTP4 | $23 E S P 4$ | 23HFP4 | 23GVP4 | 23HUP4 | $23 \mathrm{WP4}$ | $23 \mathrm{FP4A}$ |
| 218TP4 | 21CBP4A | 21ETP4 | 21 EMP4 | 238NP4 | 23CP4A | $23 E W P 4$ | 23EQP4 | $236 \times P 4$ | 2365154 | $23 \times \mathrm{P} 4$ | 238TP4 |
| $21 \mathrm{CEP4}$ | 21EMP4 | $215 A P 4$ | 21EMP4 | $238 \mathrm{VF4}$ | 238TP4 | 23 FBP 4 | 23ENP4 | $23 \mathrm{HP4}$ | 23CP4A | $23 \mathrm{YP4}$ | $238 \mathrm{PTP4}$ |
| $21 \mathrm{CMP4}$ | 21CBP4A | 21FLP4 | 21 CBPA | 23BWP4 | 23BTP4 | $23 F C P 4$ | 23GIP4A | 23HLP4 | 236SP4 | 232P4 | 23BKP4 |
| 21 CUP4 | $214 B P 4 B$ | 21 FWP4 | $21 F V P 4$ | $238 \times 94$ | 23EDP4 | $23 \mathrm{FDP4}$ | 23GJP4A | 23HOP4 | $23 \mathrm{HGP4}$ | 24ADP4 | $24 \mathrm{CP4B}$ |
| $21 \mathrm{CVP4}$ | $21 \mathrm{CBP4A}$ | $21182 P^{4}$ | 21FVP4 | 2382F4 | 23CGP4 | 23FEP4 | $23 E N P 4$ | 23HRP4 | 23HWP4 | 24ALP4 | 24AHP4 |
| 21CWP4 | $21 \mathrm{CBP4A}$ | 21GAP4 | 21GBP4 | 23CBP4 | 238GP4 | $23 \mathrm{FHP4}$ | 23GIP4A | $23 \mathrm{HXP4}$ | 23MFP4 | $24 A N P 4$ | 24AEP4 |
| 21cxp4 | $210 S P 4$ | 23ACP4 | 238TP4 | 23CEP4 | 23ARP4 | $23 F L P 4$ | 23EKP4 | 23 HYP 4 | 23JEP4 | 240P4 | 24AEP4 |
| 21C2P4 | $21 E M P 4$ | 23AFP4 | 238184 | $23 C 2 P 4$ | 23 AHP4 | 23FMP4 | 23HFP4 | $23 / \mathrm{GP} 4$ | 23FRP4 | 241P4 | 24CP4E |
| 210AP4 | $21 E M P 4$ | 23ALP4 | $23 \mathrm{CQP4}$ | 230NP4 | 23BKP4 | 23FYP4 | 23HFP4 | 23 JHP 4 | 23MFP4A | 24VP4 | $24 \mathrm{CP4B}$ |
| $2108 P 4$ | $21 \mathrm{EMP4}$ | 23ANP4 | $23 \mathrm{BKP4}$ | 23DTP4 | $230 \mathrm{KP4}$ | 23F2P4 | 23GSP4 | 23MP4 | 23HUP4A | 24YP4 | 24AEP4 |
| 210FP4 | 21EMP4 | 23ASP4 | 23AHP4 | $230 \times P 4$ | 23CP4A | 23GP4 | $23 \mathrm{CP4} 4$ | 231.P4 | 23ETP4 | 242 Pa | 24AEP4 |
| $210 \mathrm{MP4}$ | $21 E M P 4$ | 23ATP4 | 238KP4 | 2302 F 4 | 23EOP4 | 23GBP4 | 23HFP4 | $23 \mathrm{MP4}$ | 23FP4A | 27 SP4 | $27 \times 14$ |
| 210RP4 | $21 \mathrm{CBP4A}$ | 23AUP4 | 23AHP4 | $23 E F P 4$ | 23GWP4 | 23GEP4 | $23 E N P 4$ | 230P4 | 23 CP 4 | $27 \mathrm{VP4}$ | 27xP4 |
| $2100 \mathrm{P4}$ | 21DLP4 | 23BDP4 | 238TP4 | 23EMP4 | 23EKP4 | 23GFP4 | 23HGP4 |  |  |  |  |

COLOR PICTURE TUBES

| Stock No. | Tube Type | Nete | Dud Value | Stocit No. | Tube Type | Net Ea. | Bud Value | Stock No. | Tube Type | Net Ea. | Dud Value |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 F 40356 WX | $115 P 22$ | 73.80 | 5.00 | 36 F 40109 Wx | 21AXP22A | 81.40 | - | 36 F 40422 WX | $23 E G P 22$ | 107.05 | 4.00 |
| 36 F 40455 WX | 11 WP 22 | 90.64 | 4.00 | 36 F 40117WX | 21CYP22A | 74.55 | - | 36 F 40430 WK | $2541 P 22$ | 76.50 | 11.50 |
| 36 F 40265WX | $151 P 22$ | 3.35 | - | 36 F 90398 WX | $21 F B P 22$ | 64.55 | 10.00 | 36 F 40513 Wx | $25 C P 22$ | 76.25 | 11.50 |
| 36 F 40372WX | $15 N P 22$ | 82.65 |  | 36 F \$0406WX | $21 F \mathrm{P} 22$ | 86.25 | 9.00 | 36 F 40331W | $25 U P 22$ | 138.00 | 4.00 |
| 36 F 40463 WX | 19GVP22/ |  |  | 36 F 40299 Wx | 21 GFP22 | 140.00 | 19.00 | 36 F 40521 WK | 25xP221 |  |  |
|  | EXP22 | 55.40 | 11.50 | 36 F 40489 WX | 21 GWP22 | 146.65 | 19.00 |  | 25AP22A | 75.55 | . 50 |
| 36 F 40471 Wx | 19GWP22/ |  |  | 36 F 40414 WX | 221922 | 107.35 | 19.00 | 36 F 40539 WR | 25 YP22/ |  |  |
|  | EYP22 | 92.25 | 11.50 | 36 F 40957WX | 22 KP 22 | 89.15 | - |  | 258P22A | 70.75 | 11.50 |
| 36 F 40300wx | 19 NNP 22 | 11.80 | 11.50 | 36 F 40505 WX | $22 \mathrm{UP22}$ | $9: 62$ | - |  |  |  |  |

## COLOR TUBE CROSS-REFERENCE

| Brikinal Type |  | Replace With | Origiral Type |  | Replace with | Original Type |  | Replace With |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19EYP22 | Use | 19GWP22/EYP22 | 21 UVP2 | Use | 21 FAP22 | 25AP22A | Use | 25xP22/AP22A |
| 19FMP22 | Use | 19GWP22IEYP22 | 21 GYP22 | Use | $21 F P P 22$ | 258P22A | Use | 25YP22/BP22A |
| $19 \mathrm{FXP22}$ | Use | 19GWP22/EYP22 | 22ABP22 | Use | $221 P 22$ | 25 FP22 | Use | 25YP22/BP22 |
| 19GLP22 | Use | 19GWP22/EYP22 | 221P22 | Use | 22 PP 22 | 256822 | Use | 25xP22/AP22A |
| 19CXP22 | Use | 19GVP22/EXP22 | 229P22 | Use | $22 \mathrm{PP22}$ | $25 \mathrm{RP22}$ | Use | 25YP22/BP22A |
| 19 GYP 22 | Use | 19GVP22/EXP22 | 22 PP22 | Use | 22KP22 | $25 S P 22$ | Use | $25 \times P 22 / A P 22 A$ |
| $19 \mathrm{G7P22}$ | Use | 19GWP22/EYP22 | 22SP22 | Use | 221922 | 25 VP 22 | Use | 25xP22/AP22A |
| $1948 P 22$ | Use | 19GWP22/EYP22 | 22YP22 | Use | 22JP22 | $25 W P 22$ | Use | $25 \times P 22 / A P 22 A$ $25 \times P 22 / A P 22 A$ |
| $19 \mathrm{FKP22}$ | Use | 21FIP22 | $25 A 1522$ | Use | 25xP22/AP22A | 25.7 P 22 | Use | 25xP22/AP22A |

## RCA-GE-RAYTHEON

SPECIAL PURPOSE TUBES
RCA-GE-RAYTHEON

The tubes shown in this listing will be supplled from brand new factory bored stock manufactured by RCA, GE or Raytheon. Type shown with is Victoreen MIg. Quantlity users please contact our

| Stoch No. | Tube Type | Net Ea. | Stoch No | Tube Type | Nel Ea. | Stoct Ne. | Tube Type | Net Ex. | Stock No. | Tube Type | Net Ep |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 F 41008 | OA2 | 1.40 | 36 F \$1735 | 6AS7EA | 5.25 | 36 F 42433 | 1625 | -6.30 | 36 F 43632 | 6211 A | 2.50 |
| 36 F 41024 | OA3 | 1.67 | 36 F 41743 | 6AUSWE | 3.11 | 36 F 52581 | 1629 | 2.55 | 36 F 43699 | 6360 | 4.35 |
| 36 F 41032 | OA4G | 2.21 | 36 F 41768 | 6015/ECC68 | 1.90 | 36 F 42527 | 2050A | 2.21 | 36 F 43707 | 6386 | 8.00 |
| 36 F 41040 | 082 | 1.50 | 36 F 41818 | 6SJTY | 2.65 | 36 F 42618 | 5581 | 6.60 | $36 \leqslant 43723$ | 6417 | 3.33 |
| 36 F 41085 | 083 | 2.35 | 36 F 41834 | 12A5 | 3.60 | 36 F 42675 | 5642 | 3.55 | 36543806 | 6550 | 4.59 |
| 36 F 41073 | OC2 | 1.70 | 36 F 41 \% 42 | 12AT7WB | 2.86 | 36 F 42683 | 5651 A | 1.95 | $36 \% 43463$ | 6669/6A05A | 1.12 |
| 36 F 41081 | OC3 | 1.60 | 36 F 41933 | 83 | 2.21 | 36 F 42709 | 5653 | 5.65 | 36 F 438.71 | 6677/6C16 | 1.85 |
| 36 F 41099 | OD3 | 1.57 | 36 F 41990 | 807 | 5.15 | 36 F 42808 | 5686 | 3.55 | 36 F 43497 | 6679/12AT7 | 1.58 |
| 36 F 41123 | 1885* | 16.30 | 36 F 42006 | 811* | 8.67 | 36 F 42824 | 5691 | 9.15 | 36 F 43905 | 6680/12AU7A | 1.26 |
| 36 F 41131 | 1621 | 4.55 | 36 F 42014 | 8124 | 7.45 | 36 F 42857 | 5696 | 2.25 | $36 \% 43913$ | $6681 / 12 A \times 74$ | 1.34 |
| $36 F 41172$ | 114 | 1.50 | 36 F 42022 | 813 | 25.85 | 36 F 42931 | 5626/6AL5W | 2.02 | 36 F 43947 | 6883 | 4.70 |
| 36 F 41248 | 1P40 | 5.90 | 36 F 42048 | 816 | 4.50 | 36 F 42956 | 5727 | 3.05 | 36 F 43954 | 6922/E88CC | 4.90 |
| 36 F 41362 | 2021 | 1.43 | 36 F 42121 | 866A | 4.05 | 36 F 43012 | 5751 | 2.83 | 36 F 43988 | 7054 | 1.70 |
| 36 F 41396 | 2E26 | 4.35 | 36 F 42139 | 868 | 7.20 | 36 F 43046 | 5763 | 2.70 | 36 F 44002 | 7056 | 1.02 |
| 36 F 41438 | 2X2A | 4.60 | 36 F 42154 | 884 | 2.77 | 36 F 43051 | 5814 A | 2.66 | 36 F 44010 | 7059 | 1.65 |
| 36 F 41446 | $3 A^{4}$ | 2.05 | 36 F 42212 | 922 | 3.75 | 36 F 43095 | 5.23 | 1.80 | 36 F 44028 | 7060 | 8.96 |
| 36 F 41453 | 345 | 2.23 | 36 F 42238 | 925 | 6.35 | 36 F 43194 | 5881 | 3.10 | 36 F 44036 | 7061 | 1.55 |
| 36 F 41487 | 3828 | 5.55 | 36 F 42253 | 927 | 7.60 | 36 F 43269 | 5915 | 1.85 | $36 \mathrm{~F} \$ 4093$ | 7360 | 3.42 |
| 35 F 41580 | $3 \mathrm{KP1}$ | 32.20 | 36 F 42261 | 929 | 3.90 | 36 F4327 | 5963 | 1.50 | 36 F 44101 | 7551 | 3.67 |
| 36 F 41578 | 3RP1 | 19.70 | 36 F 42279 | 930 | 5.90 | $36 「 43293$ | 5965 | 2.11 | 36 F 44127 | 7558 | 3.49 |
| 36 F 41644 | 5BP1A | 43.05 | 36 F 42303 | 934 | 7.40 | 36 F 43327 | 6012 | 8.00 | $36 F 44150$ | 7587 | 5.50 |
| 36 F 41669 | 5R4.GYB | 2.28 | 36 F 42329 | 955 | 7.05 | 36 F 43426 | $6080{ }^{-}$ | 5.50 5.60 | $36 F 44200$ $36-44218$ | 7905 | 3.85 5.35 |
| 36 F 4167 | 5 UP1 | 21.10 | 36 F 42402 | 1612 | 6.52 | 36 F 43,09 | 6136 | 3.10 | 36 F 44317 | 8077/7054 | 1.54 |
| $36 \upharpoonright 41693$ | 6AG7Y | 2.80 | 36 F 42428 | 1614 | 5.40 | 36 F 43517 | 6146 A | 4.30 | 8298A | Use 6y468/0 | 8298 A |
| 36 P 41701 | 6AK6 | 1.40 | 36 F 42451 | 1620 | 8.26 | 36 ¢ 43525 | 6146B/8298A | 5.15 | 36 F 44374 | 9005 | 8.05 |
| 36 F 417127 | 6AS6 | 3.77 | 36 F 42469 | 1621 | 3.85 | 36 F 43590 | 6201 | 3.15 | 36 F 44382 | 9006 | 2.70 |

## TUBE PIN STRAIGHTENER

SERVICEMAN'S TUBE CADDY


- All Wood Reinforced Construction
- Easy To Carry

A $6^{\prime \prime}$ plastic ruler combination tube pin straightener. Accommodates Novar, Nuvistor. and Compactron large 7 pin, 9 pin and 10 pin tubes.

Light, compact caddy capable of holding up to 143 tubes. One fold-out compartment has snap fastened cover, other has built-in separator Ext emely conventent caddy for carrying fools, wire, ete., as well as tubes. All wood construction, with durable, new, vinyl covering. Size: 153 \% $12 \frac{1}{2} \times 8$ ㅇ.. Shpg. wt., 7 Itis.
12 F 18015 w


|  | LAFA <br> Lafayette which ass life. We w due to de ASS <br> JBE TYPE | tubes are m ure you of el will replace fects in mat SORTMENT |  |  | Receiving <br> rigid quality standards performance and long. charge any tube which workmanship, falls in ILEGE: TUBES MA |  | THE QUALITY LINE <br> with the 2-YEAR GUARANTE <br> use within 2 years from date of purchas ly bring or return the tube postpaid to the sto which you purchased it along with your origin -slip or order. Some types imported. ASSORTED FOR QUANTITY PRICE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| OCK |  | $\begin{gathered} \text { NE } \\ 1.9 \\ \hline \end{gathered}$ | EX. | $\therefore \text { UP }$ | STOCK NO. | 8E |  |  | $50$ | STOCK NO | TUBE TYPE |  |  | ${ }_{20}^{50}$ |
| 36 F 30001 | 024 | 1.74 | 1.54 | 1.39 | 36 F 30806 | 6CG8A | 1.94 | 1.72 | 1.55 | 36 F 32700 | 6LO6/6JE6C | 90 |  |  |
| 36 F 32460 | 18 C 2 | 1.47 | 1.30 | 1.17 | 36 F 323 | 6CJ3/6 | 6 CL 3 |  |  | 36 F 32718 | $6 \mathrm{LU8}$ | 14 |  |  |
| 36 F 30019 | 183/163 | 1.38 | 1.22 | 1.10 |  |  | 1.67 | 1.48 | 1.33 | 36 F 32726 | 6MD8 | 2.41 | 2.14 |  |
| 36 F 30027 | $1 \mathrm{~K} 3 / 1 \mathrm{~J} 3$ | 1.78 | 1.58 | 1.42 | 36 f 30894 | 6CL6 | 2.14 | 1.90 | 1.71 | 36 F 32734 | 6ME8 | 2.55 | 2.14 2.26 | 2.03 |
| 36 F 30035 | 125 | 2.01 | 1.78 | 1.60 | 36 F 30902 | 6CL8A | 2.07 | 1.84 | 1.66 | 36 F 31629 | 6S4A | 1.67 | 1.48 | 1.33 |
| 36 F 30043 | 144 | 1.74 | 1.54 | 1.39 | 36 F 30910 | 6 CM 7 | 1.87 | 1.66 | 1.49 | 36 F 31637 | 6SJ7 | 2.21 | 1.96 | 1.76 |
| 36 F 30050 36 F 30068 | 145 | 1.53 | 1.36 | 1.22 | 36 F 30936 | 6CQ8 | 1.85 | 1.64 | 1.48 | 36 F 31645 | 6SK7 | 2.25 | 2.00 | 1.60 |
| 36 F 30068 | 1 V 2 | 1.15 | 1.02 | . 92 | 36 F 30944 | 6CS6 | 1.49 | 1.32 | 1.19 | 36 F 31652 | 6SL7GT | 2.21 | 1.96 | 1.76 |
| F F 300076 | ${ }_{2 \times 2 \mathrm{~A}}^{1 \times 8}$ | 1.85 1.85 | 1.64 1.64 | 1.48 | 36 F 30951 | 6 CS 7 | 1.69 | 1.50 | 1.35 | 36 F 31660 | 6SN7GT | 1.80 | 1.60 | 1.44 |
| 36 F 32304 | 2AS2 | 1.67 | 1.48 | 1.33 | 36 F 30985 | 仡 | . 80 | . 60 | 1.44 | 78 | 618A |  | 1.68 | 1.69 |
| 36 F 30092 | 2AV2 | 1.40 | 1.24 | 1.12 | 36 F 32544 | 6CW5/EL | 1.24 | 2.26 1.10 | . 03 | F 31702 | 6710 |  |  | 2.00 |
| 36 F 30118 | 2 Cr 5 | 1.98 | 1.76 | 1.58 | 36 F 30993 | $6 \mathrm{C} \times 8$ | 2.34 | 2.08 | 1.87 | 36 F 32742 |  |  |  | 40 |
| 36 F 32312 | 2GK5/2F | 1.89 | 1.68 | 1.51 | 36 F 31009 | $6 \mathrm{CY5}$ | 1.92 | 1.70 | 1.53 | 36 F 31710 | $6 \mathrm{6V6G}$ | 1.83 2.01 | 1.62 | 1.46 |
| 36 F 30126 | 3A3B/ 3AW3 | 1.53 | 1.36 | 1.22 | 36 F 31025 | $6 C 75$ | 2.14 | 1.90 | 1.71 | 36 F 31728 | $6 \mathrm{6W} 4$ | 2.01 | 1.70 | 1.60 |
| 36 F 30134 | 3AT2 | 1.67 | 1.48 | 1.33 | 36 F 31033 | 6DA4A | 1.67 | 1.48 | 1. 33 | 36 F 31736 | 6W6 | 1.49 | 1.32 | 1.19 1.66 |
| 36 F 30159 | 38N6 | 2.14 | 1.90 | 1.71 | 36 F 31041 | 60E4 | 1.47 | 1.30 | 1.17 | 36 F 31744 | 6 $6 \times 4$ | 2.07 1.53 | 1.84 | 1.66 1.22 |
| 36 F 30167 | 3826 | 1.67 | 1.48 | 1.33 | 36 F 31058 | 60E6 | 1.33 | 1.18 | 1.06 | 36 F 31751 | $6 \times 5 \mathrm{GT}$ | 1.60 | 1.42 | 1.22 |
| 36 F 30175 36 F 30183 | ${ }_{3 C \times 56 / 3 C F 6}$ | 1.33 | 1.18 | 1.06 | 36 F 31066 | 6DE7 | 2.01 | 1.78 | 1.60 | 36 F 32759 | 6210/6110 | 2.79 | 2.48 | 2.23 |
| F F 32320 | $3 C Y 5$ $3076 A$ | 1.69 1.47 | 1.50 | 1.35 | 36 f 31074 | 6DK6 | 1.33 | 1.18 | 1.06 | 36 F 31769 | 6x8A | 2.01 | 1.78 | 1.60 |
| 36 F 30209 | 3GK5 | 1.89 | 1.68 | 1.51 | 36 F 31090 | 60 | 3.67 1.89 | 3.26 1.68 | 2.93 | 36 F 31777 | 7 7AW7 | 1.40 | 1.24 | 1.12 |
| 36 F 32338 | 3HQ5 | 2.55 | 2.26 | 2.03 | 36 F 31108 | $60 \mathrm{R7}$ | 2.26 | 2.02 | 1.82 |  | $8 \mathrm{8B1O}$ | 1 | 2.14 | 1.93 |
| 36 F 30217 | 3 V 4 | 1.69 | 1.52 | 1.35 |  | 60S4 | 4/60 |  |  | 36 F 31793 |  | 1.98 | 1.76 1.16 | 1.58 |
| 36 F 30233 | 4876 | 1.67 | 1.48 | 1.33 | 36 F 31116 | 60T6A | 1.47 | 1.30 | 1.17 | 36 F 32775 | 81 | 1.94 | 1.72 | 5 |
| 36 F 32346 | 4CB6 | 1.29 | 1.14 | 1.03 |  | 60W4B USE | , |  | CL3 | 36 F 32437 | 8LT | 1.80 | $1.60$ |  |
| 36 F 32353 | 4DT6A | 1.47 | 1.30 | 1.17 | 36 F 31132 | 6D24/6AF4A | 2.21 | 1.96 | 1.76 | 36 F 31801 | 100E7 | 2.21 | 1.96 | 1.70 |
| 36 F 32361 36 F 30241 | 4EJ7/LF18 | 1.60 | 1.42 | 1.28 | 36 F 31157 | 6EA8 | 1.76 | 1.56 | 1.40 | 36 F 32783 | 10GK6 | 1.38 | 1.22 | 1.70 1.10 |
|  | 5AM8 | 2.21 | 1.96 | 1.76 | 36 F 31165 | 6EB8 | 2.28 | 202 | 1.82 | 36 F 32445 | 10GN8 | 2.21 | 1.96 | 1.76 |
| 36 F 30258 | 5AQ5 | 1.85 | 1.67 | 1.48 | 36 F 31173 | 6EH7/EF183 | 1.74 | 1.54 | 1.39 | 36 F 32791 | 11kV8 | 2.93 | 2.60 | 2.34 |
| 36 F 30274 | 58R8A | 2. | 1. | 1.60 | 36 F 31181 36 F 31199 | 6EJ7/EF1 | 1.60 | 1.42 | 1.28 1.60 | 36 F 31819 | 12AD6/12GA6 | 1.58 | 1.40 | - 26 |
| 36 F 30282 | 5CG8 | 1.80 | 1.80 | 1.44 | 36 F 31207 | , | 2.57 | 1.78 2.28 | 2.65 | 36 F 318 <br> 36 <br> 18 | 12 A | 1.24 +160 | 1.10 | . 99 |
| 36 F 30290 | SCL8A | 2.21 | 1.96 | 1.76 | 36 F 32551 | GEU7 | 1.78 | 2. | 1.42 | 36 F 31835 | $12 A 17$ $12 A U 6$ | . 60 | 1.42 | 1.28 |
| 36 F 32486 | 5 EA8 | 2.28 | 2.02 | 1.82 | 36 F 31223 | 6EV5 | 1.60 | 1.42 | 1.28 | 36 F 31850 | $12 A \cup 6$ | 1.60 | . | 1.2 |
| 36 F 32379 | SKE8 | 2.73 | 2.42 | 2.18 | 36 F 31231 | 6EW6 | 1.60 | 1.42 | 1.28 |  |  |  |  |  |
| 36 F 32494 | 5 5 | 1.85 | 1.64 | 1.48 | 36 F 31249 | 6 G7 | 2.07 | 1.84 | 1.66 | 36 F 318 | 12AV |  |  | 1.12 |
| 36 F 30316 | 5U4GB | 1.38 | 1.22 | 1.10 | 36 F 31256 | 6FH5 | 2.05 | 1.82 | 1.64 | 36 F 31884 | 12 A | 5 | 1.34 | 1.66 |
|  | 508 | 2.12 | 1.88 | 1.69 | 36 F 31264 | $6 \mathrm{Fm7}$ | 2.07 | 1.84 | 1.66 | 36 F 31892 | $12 A \times 4 \mathrm{GT}$ | 1.51 | 1.84 | 1.66 |
| 36 F 30332 36 F 30340 | 5Y36T | 1.33 | 1.18 | 1.06 | 36 F 31280 | 6FQ7/6C | 1.33 | 1.18 | 1.06 | 36 F 31900 | $12 A X 7 A$ |  | 1.34 | 1.2 |
| 36 F 30340 | 6AB4 | 1.62 | 1.44 | 1.30 |  | 6FV8A | R8A/ | VAA |  |  | 12ax |  |  |  |
| 36 F 30357 | 6AF3/6 | 1.60 | 1.42 | 1.28 | 36 F 31298 | 6GE5 | 2.57 | 2.28 | 2.05 | 36 F 31918 | 12AZ7A | 1.80 | 1.60 | 1.014 |
| F 3037 | 6AF4A | 24/6A | 4A |  | 36 F 31306 | 6GF7A | 2.41 | 2.14 | 1.93 | 36 F 31926 | 1284A | 1.80 | 1.60 | . 44 |
| 36 F 30381 | GAH4GT | 1.47 | 1.52 1.30 | 1.37 | 36 F 31314 | 6GH8A | 1.44 | 1.28 | 1.15 | 36 F 31934 | 128a6 | 1.29 | 1.14 | 1.03 |
| 36 F 30399 | 6AH6 | 2.34 | 2.08 | 1.87 | 36 F 32569 36 F 31322 | 6GJ7/ECF801 | 1.40 2.07 | 1.24 | 1.12 | 36 F 31942 | $128 E 6$ | 1.38 | 1.22 | 1.10 |
| 36 F 30407 | 6AK5/EF95 | 2.14 | 1.90 | 1.71 | 36 F 31330 | 6GM6 | 2.74 | + 1.54 | 1.66 |  |  | 14 | 1.54 | 1.39 |
| 36 F 32502 | 6AL3 | 1.17 | 1.04 | . 94 | 36 F 32577 | 6GN8 | 2.07 |  | 1.66 |  |  |  |  |  |
| 36 F 30415 | 6AL5 | 1.33 | 1.18 | 1.06 | 36 F 31348 | 6GU7 | 2.07 | 1.86 | 1.66 |  |  |  | 1.42 | 1.28 |
| 36 F 30423 | 6AMBA | 2.07 | 1.84 | 1.66 | 36 F 32585 | 6GV5 | 1.87 | 1.66 | 1.49 | 36 F 361983 36 F 32007 | $12 \mathrm{C} / 12$ | 1.94 | 1.72 | 1.55 |
| 36 F 30431 | 6ANBA | 2.34 | 2.08 | 1.87 | 36 F 31355 | 6GW8/ECL86 | 1.38 | 1.22 | 1.10 | 36F32007 | 120068 | 1.92 | 1.70 | 1.53 |
| 36 F 30449 | 6AQ5A/6 | 1.53 | 1.36 | 1.22 | 36 F 32593 | $6 \mathrm{GX7}$ | 2.07 | 1.84 | 1.66 | 36 F 32809 | $12 \mathrm{GN7}$ 12 HL 7 | 2.55 | 2.26 | 2.03 |
| 36 F 30456 | 6AS5 | 1.80 | 1.60 | 1.44 | 36 F 31363 | 6GY6/6GX | 1.44 | 1.28 | 1.15 | 36 F 32049 | 12SN7C | 1.74 | 1.54 | 1.76 1.39 |
| 36 F 30498 $\mathbf{3 6}$ F 30506 | 6AU4GTA | 2.19 | 1.94 | 1.75 | 36 F 32429 | 6HA5/6HM5 | 1.74 | 1.54 | 1.39 | 36 F 32056 | $12 \mathrm{SQ}{ }^{\text {a }}$ | 2.23 | 1.98 | 1.78 |
| 36 F 30514 | 6AU8 | 1.33 2.55 | 1.18 2.26 | 1.06 2.03 | 36 F 31379 | $6 \mathrm{HB7}$ | 1.94 | 1.72 | 1.55 | 36 F 32817 | 130R7 | 2.39 | 2.12 | 1.91 |
| 36 F 30530 | 6av6 | 1.22 | 1.08 | . 97 | 36 F 31389 | 6HE5 | 2.10 | 1.86 | 1.67 | 36 F 32825 | 13EM7/15EA |  |  |  |
| 36 F 30548 | 6AW8A | 1.98 | 1.76 | 1.58 |  |  | 2.39 | 2.1 | 1.9 |  |  |  | 2.34 | . 11 |
| 36 F 30555 | 6AX3 | 1.31 | 1.16 | 04 |  |  |  |  |  | 36 F 32064 | 13GF7A | 2.3 | 2.08 | 1.87 |
| 36 F 30563 | 6AX4GTB | 1.67 | 1.48 | 1.33 |  | GHMS USE | 16 |  |  | 36 F 32452 | 15KY8A | 2.86 | 2.54 | 2.29 |
| 36 F 30571 | 6AY38/6BS3 | 1.62 | 1.44 | 1.30 | 36 F 32601 | 6HS5 | 3.49 | 3.10 | 2.79 | 36F 32072 | 17AX4GTA | 1.67 | 1.48 | 1.33 |
| 36 F 32387 | 6B10 | 2.01 | 1.78 | 1.60 | 36 F 31413 | -6HS8 | 2.14 | 1.90 | 1.71 | 36 F 320 | 17AY3A/17BS |  |  |  |
| 36 F 30589 | 68A6/EF | 1.47 | 1.30 | 1.17 | 36 F 31421 | $6 \mathrm{Hz6}$ | 1.35 | 1.20 | 1.08 |  |  | 1.67 | 1.48 | 1.33 |
| 36 F 30605 | 68A11 | 2.21 | 1.96 | 1.76 | 36 F 31439 | $6{ }^{6}$ | 2.07 | 1.84 | 1.66 | 36 F 32833 | 178 E 3 | 1.67 | . 40 | 1.33 |
| 36 F 30621 | 6BC8/6BZ8 | 2.21 | 1.96 | 1.76 | 36 F 31447 | 616A | 2.01 | 1.78 | 1.60 | 36 F 32841 | 178F11 | 2.66 | 2.36 | 2.12 |
| 36 F 30639 | 68E6 | 1.53 | 1.36 | 1.22 | 36 F 31454 | 6186 | 2.64 | 2.34 | 2.11 | 36 F 32098 | 1704A | 1.83 | 1.62 | 1.46 |
| 36 F 30647 | 68G6GA | 2.75 | 2.44 | 2.20 | 36 F 31462 | 6JC6A | 2.01 | 1.78 | 1.60 | 36 F 32106 | 170968/17GW |  |  |  |
| 36 F 30654 | $68 \mathrm{H6}$ | 9.80 | 1.60 | 1.40 | 36 F 326 | $6 J 06$ | 1.60 | 1.42 | 1. |  |  | 2.07 | 1.84 | 1.66 |
| 36 F 30670 | 6816 | 1.83 | 1.62 | 1.46 |  | 6JE6C | 6/6JE |  |  | 36 F 32858 | 17JM6A | 2.66 | 2.36 | 2.12 |
| 36 F 30688 | $6 \mathrm{BK4C} / 6 E$ 6 BK 7 B | 3.47 2.21 | 3.08 1.96 | 2.77 1.76 | 36 F 31488 | 6JM6 | 1.62 | 1.44 | 1.30 | 36 F 32866 | 17JN6 | 2.41 | 2.14 | 1.93 |
| 36 F 30712 | 6BL8/ECF80 | 2.21 1.22 | 1.96 1.08 | 1.76 .97 | 36 F 31496 36 F 31504 | 6 J | 2.48 | 2.20 | 1.96 2.05 | 36 F 32114 | 17178 | 1.60 | 1.42 | 1.28 |
| 36 F 30720 | 6BM8/ELC8 | 1.31 | 1.16 | 1.04 | 36 F 31512 | 6JN6 | 2.41 | 2.14 | 1.93 | 36 F 32130 | ${ }^{19645}$ | 1.96 | 1.74 | 1.57 |
| 36 F 30738 | 6BN4A | 1.80 | 1.60 | 1.44 | 36 F 31520 | 6JS6C | 3.38 | 3.00 | 2.70 | 36 F 32874 | 21LR8 | 2.14 | 190 | 1.67 |
| 36 F 30746 | 6BN6/6 | 2.03 | 1.80 | 1.62 | 36 F 31546 | 6JU8A | 1.98 | 1.76 | 1.58 | 36 F 32148 | 220E4 | 1.89 | 1.68 | 1.71 |
| 36 F 30753 | 68N8 | 1.67 | 1.48 | 1.33 | 36 F 32627 | $6 J 28$ | 1.60 | 1.42 | 1.28 | 36 F 32155 | 22JG6A | 2.79 | 2.48 | 51 |
| 36 F 30761 | 6BQ5/EL84 | 1.76 | 1.56 | 1. | 36 F 31553 | 6K6GT | 1.58 | 1.40 | 1.26 | 36 F 32163 | 2329 | 2.12 | 1.88 |  |
| 36 F 30 | 6BQ6GTB/6C |  |  |  | 36 F 31561 | 6KA8 | 2.21 | 1.96 | 1.76 | 36 F 32189 | 25C06GB | 2.88 | 2.56 | 2.30 |
|  |  | 2.43 | 2.16 | 1.94 | 36 F 32635 | 6 KDG | 3.99 | 3.54 | 3.14 | 36 F 32205 | 25L6GT | 1.67 | 1.48 | 1.33 |
| 36 F 30787 <br> 36 F 30795 | 68Q7A) 6877 | 2.25 | 2.00 | 1.80 | 36 F 32643 | $6 \mathrm{6E8}$ | 2.73 | 2.42 | 2.18 | 36 F 32213 | $336 \mathrm{Y7}$ | 2.73 | 2.42 | 2.18 |
| 36 F 30795 36 F 30811 | 68R8A/6FVBA | 2.12 | 1.88 | 1.69 | 36 F 32850 | $6 \mathrm{KT8}$ | 2.43 | 2.16 | 1.94 | 36 F 32221 | $35 C 5$ | 1.22 | 1.08 | . 97 |
| 36 F 30811 | 6808 | 2.26 | 2.02 | 1.82 | 36 F 32668 | 6KY8A | 3.47 | 3.08 | 2.77 | 36 F 32239 | 35L6GT | 2.91 | 2.58 | 2.32 |
| 36 F 30837 | 6 B 26 | 1.40 | 1.24 | 1.12 | 36 F 31587 | $6 \mathrm{KZ8}$ | 1.83 | 1.62 | 1.46 | 36 F 32247 | 35W4 | . 88 | . 78 | . 70 |
| 36 F 30845 | 6824 | 2.01 1.67 | 1.78 | 1.60 | 36 F 31595 | ${ }_{6186}^{6 L 6 G C}$ | 2.66 | 2.36 | 2.12 | 36 F 32254 | 3525GT | 1.33 | 1.18 | 1.06 |
| 36 F 32528 | 6CA4/E281 | 1.47 | 1.30 | 1.17 | 36 F 32684 | 6LE8 | 3.99 | 3.54 2.48 | 3.19 3.23 | 36 F 32262 | $38 \mathrm{HE7}$ |  | . | 2.61 |
| 36 F 30852 | 6CB6A/6CF6 | 1.47 | 1.30 | 1.17 | 36 F 31603 | 6LF8 | 2.10 | 1.86 | 1.67 | 36 F 32270 | 50C5 | 1.38 | 1.22 | 1.10 |
| 36 F 32536 | 6C63/6CE3/60 | D3 |  |  | 36 F 31611 | 648 | 1.85 | 1.64 | 1.48 | 36 F 32288 $\mathbf{3 6}$ F 32296 | SDEH5 | 1.60 | 1.42 | 1.28 |
|  |  | 1.67 | 1.48 | 1.33 | 36 F 32692 | 6LM8 | 2.21 | 1.96 | 1.76 | 36 F 32882 | 7025 | 1.40 | 1.24 | 1.12 |

# RCA and GE Receiving Tubes 



DOUBLE BRANOED TVPES: Tubes with double type numbers will re place both types. Example: $68 Q 5 / E L 84$ replaces either $6 B Q 5$ or EL84. in an additional letter A, B or C. Example: 12Ax7A replaces 12AX7; $5 U 4 \mathrm{~GB}$ replaces 5U4G and 5U4GA. Some tubes for imported sets (indicated ") may not be of GE or RCA manufacture.

## 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. Average Shpg. wt., 4 oz., per 10 tubes, $21 / 4 \mathrm{Ibs}$.
ASSORTMENT PRIVILEGE: TUBES MAY BE ASSORTED FOR QUANTITY PRICE

| Stock No. | Tube Type | $\begin{aligned} & \text { Net Ex. } \\ & 1-9 \quad 10-49 \end{aligned}$ |  | $\begin{aligned} & 50 \\ & 8 \mathrm{Up} \end{aligned}$ | Stock Ho. | Tube Type | $\begin{aligned} & \text { Net } \\ & 1.9 \text { ? } \end{aligned}$ | $\begin{aligned} & E a_{n} \\ & 10.49 \end{aligned}$ | $\begin{gathered} 50 \\ 4 \cup 0 p \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 F 10003 | 024/024A | 1.93 | 1.74 | 1.54 | 36 F 10672 | $3 \mathrm{BY6}$ | 1.50 | 1.35 | 1.20 |
| 36 F 10029 | $13^{3}$ | 3.33 | 3.00 | 2.66 | 36 F 10680 | 3826 | 1.85 | 1.67 | 1.48 |
| 36 F 10037 | 1ASGT | 2.00 | 1.80 | 1.60 | 36 F 10698 | 3 CA 3 | 1.85 | 1.67 | 1.48 |
| 36 F 10045 | IATGT | 2.70 | 2.43 | 2.16 | 36 F 10706 | 3CB6/3CF | 1.48 | 1.33 | 1.18 |
| 36 F 10052 | 1AD2 | 1.93 | 1.74 | 1.54 |  | 3CE5 USE 38 | /30 |  |  |
| 36 F 10060 | lay2a | 1.70 | 1.53 | 1.36 |  | 3CF6 USE 3CB6/3CF6 |  |  |  |
|  | 183GT USE 1G3GT/183GT |  |  |  | 36 F 10714 | 3CN3A | 1.75 | 1.58 | 1.40 |
| 36 F 10078 | 1 BC 2 | 1.63 | 1.47 | 1.30 | 36 F 10722 | $3 \mathrm{CS6}$ | 1.85 | 1.67 | 1.48 |
| 36 F 19749 | 18G2 | 1.40 | 1.26 | 1.12 | 36 F 19988 | 3CU3A | 2.45 | 2.21 | 1.96 |
| 36 F 10086 | 18 H 2 | 1.53 | 1.38 | 1.22 |  | $3 \mathrm{CX3}$ USE 3DA | 3/3CX |  |  |
| 36 F 21000 | 1063 | 2.05 | 1.85 | 1.64 |  | 3 CY 3 USE 3D8 | $3 / 3 \mathrm{CY}$ |  |  |
| 36 F 20515 | 1DK1 | 1.73 | 1.56 | 1.38 | 36 F 10730 | 3 CY 5 | 1.95 | 1.76 | 1.56 |
| 36 F 20523 | 1 DK27 | 2.15 | 1.94 | 1.72 | 36 F 20408 | 3 C 23 | 2.18 | 1.96 | 1.74 |
| 36 F 20531 | 10K29* | 1.50 | 1.35 | 1.20 | 36 F 20416 | 3DA3/3Cx3 | 2.10 | 1.49 | 1.68 |
| 36 F 10094 | 10 N 5 | 2.20 | 1.98 | 1.76 | 36 F 20101 | 3D83/3CY3 | 2.25 | 2.03 | 1.80 |
| 36 F 10102 | 1G3GT/IB3GT | 1.98 | 1.78 | 1.58 | 36 F 20424 | $3 \mathrm{DC3}$ | 2.33 | 2.10 | 1.86 |
| 36 F 10110 | 1H2 | 1.98 | 1.78 | 1.58 | 36 F 20549 | 3DF3 | 2.10 | 1.89 | 1.68 |
| 36 F 10136 | 1K3/1/3 | 1.98 | 1.78 | 1.58 | 36 F 10748 | 3DG4 | 2.95 | 2.66 | 2.36 |
| 36 F 10151 | 116 | 6.28 | 5.65 | 5.02 | 36 F 50025 | 3DHH13* | 3.58 | 3.22 | 2.86 |
| 36 F 10169 | 1LH4 | 3.80 | 3.42 | 3.04 | 36 F 21018 | $3 \mathrm{DJ3}$ | 2.13 | 1.92 | 1.70 |
| 36 F 10177 | 1 N2A | 2.20 | 1.98 | 1.76 | 36 F 10755 | 3DK6 | 1.48 | 1.33 | 1.18 |
| 36 F 10185 | 1N5GT | 2.45 | 2.21 | 1.96 | 36 F 10763 | 3016A | 1.63 | 1.47 | 1.30 |
| 36 F 10193 | 1R5 | 2.45 | 2.21 | 1.96 |  | 3024 USE 3AF4B/3024 |  |  |  |
|  | 1RK23 USE IS2A/OY87 |  |  |  | 36 F 10789 | 3EH7/XF183 | 1.28 | 1.15 | 1.02 |
| 36 F 10201 | 152A/DY87 | 1.28 | 1.15 | 1.02 | 36 F 10797 | $3 \mathrm{EL7/XF184}$ | 1.28 | 1.15 | 1.02 |
| 36 F 10219 | 154 | 2.05 | 1.85 | 1.64 | 36 F 10805 | 3ER5 | 2.23 | 2.01 | 1.78 |
| 35 F 10227 | 155 | 1.70 | 1.53 | 1.36 | 36 F 10813 | $3 \mathrm{FH5}$ | 1.63 | 1.47 | 1.30 |
| 36 F 10235 | 114 | 1.93 | 1.74 | 1.54 | 36 F 10821 | $3 F 55$ | 2.15 | 1.94 | 1.72 |
| 36 F 10243 | $1{ }^{1} 4$ | 1.93 | 1.74 | 1.54 | 36 F 10839 | 3GK5 | 2.10 | 1.89 | 1.58 |
| 36 F 10250 | 145 | 1.70 | 1.53 | 1.36 |  | $3 \mathrm{CS8}$ USE 3BU | 18/3GS |  |  |
| 36 F 10268 | 1v2 | 1.28 | 1.15 | 1.02 | 36 F 10847 | 3HM5/3HAS | 1.93 | 1.74 | 1.54 |
| 36 F 10276 | $1 \times 2 \mathrm{~A} / 1 \times 2 \mathrm{~B}$ | 2.05 | 1.85 | 1.64 | 36 F 10854 | 3H05 | 2.83 | 2.55 | 2.26 |
| 36 F 10284 | 2 A 3 | 4.95 | 4.46 | 3.96 | 36 F 21026 | 3H58 | 2.15 | 1.94 | 1.72 |
| 36 F 10292 | 2AF4B/2024 | 2.05 | 1.85 | 1.64 | 36 F 10862 | 3JC6A | 2.20 | 1.98 | 1.76 |
| 36 F 10300 | 2 AH 2 | 1.93 | 1.74 | 1.54 | 36 F 10870 | $3 \mathrm{KT6}$ | 1.90 | 1.71 | 1.52 |
|  | $2 A S 2$ USE 2BU2/2AS2A |  |  |  | 36 F 50033 | 3MP26 | 2.15 | 1.94 | 1.72 |
| 36 F 10326 | 2AV2 | 1.55 | 1.40 | 1.24 | 36 F 10896 | 304 | 1.68 | 1.51 | 1.34 |
| 36 F 10334 | 2BJ2 | 2.10 | 1.89 | 1.68 | 36 F 10904 | 305GT | 2.93 | 2.64 | 2.34 |
| 36 F 10359 | 2BN4A | 1.78 | 1.60 | 1.42 | 36 F 10912 | 354 | 1.70 | 1.53 | 1.36 |
| 36 F 20069 | 2BU2/2AS2A | 1.95 | 1.76 | 1.56 | 36 F 10920 | $3{ }^{3} 4$ | 1.80 | 1.69 | 1.50 |
| 36 F 10342 | 2CN3A | 2.05 | 1.84 | 1.64 | 36 F 10938 | 4AU6 | 1.70 | 1.33 | 1.36 |
| 36 F 10367 | 2 CWa | 2.45 | 2.21 | 1.96 | 36 F 10946 | 4AV6 | 1.48 | 1.33 | 1.18 |
| 36 F 10375 | $2 \mathrm{CY5}$ | 2.20 | 1.98 | 1.76 |  | 4BC5 USE 4CE | E5/4BC |  |  |
| 36 F 10383 | 20S4 | 2.45 | 2.21 | 1.96 | 36 F 10953 | 4BC8 | 2.00 | 1.80 | 1.60 |
| 36 F 10391 | 20 V 4 | 3.23 | 2.91 | 2.58 | 36 B 10961 | 4BL8/XCF80 | 1.20 | 1.08 | . 96 |
|  | 2024 USE 2AF4E/2024 |  |  |  | 36 \& 10979 | $48 N 6$ | 2.03 | 1.83 | 1.62 |
| 36 F 10409 | 2EG4 | 2.45 | 2.21 | 1.96 | 36 F 10987 | 4807A/4B27 | 2.45 | 2.21 | 1.96 |
| 36 F 10417 | 2EN5 | 1.60 | 1.44 | 1.28 | 36 F 10995 | 4BS8 | 2.13 | 1.92 | 1.70 |
| 36 F 10425 | 2ER5 | 1.85 | 1.67 | 1.48 | 36 F 11001 | 4BU8/4GS8 | 2.23 | 2,01 | 1.78 |
| 36 F 10433 | $2 \mathrm{FH5}$ | 1.85 | 1.67 | 1.48 | 36 F 11019 | 4826 | 1.85 | 1.67 | 1.48 |
|  | 2FO5A USE 2GK5/2FQ5A |  |  |  |  | $4 \mathrm{C27}$ USE 4BQ7A/4B27 |  |  |  |
| 36 F 10441 |  |  |  |  | 36 \$ 11027 | 4CB6 | 1.85 | 1.67 | 1.48 |
| 36 F 10458 | 2GK5/2F05A | 2.10 | 1.89 | 1.68 | 36 F 11035 | 4CE5/48C5 | 1.53 | 1.38 | 1.22 |
| 36 F 10466 | 2 CUS | 2.25 | 2.03 | 1.80 | 36 F 11043 | $4 \mathrm{CS6}$ | 1.70 | 1.53 | 1.36 |
| 36 F 10474 | $2 \mathrm{HA5}$ | 1.93 | 1.74 | 1.54 | 36 F 11050 | 4 CY 5 | 1.35 | 1.22 | 1.08 |
| 36 F 10482 | $2 \mathrm{HK5}$ | 1.93 | 1.74 | 1.54 | 36 F 11068 | 4DE6 | 1.48 | 1.33 | 1.18 |
| 36 F 10490 | $2 \mathrm{HQ5}$ | 1.93 | 1.74 | 1.54 | 36 F 11076 | 4DK6 | 1.70 | 1.53 | 1.36 |
| 36 F 10508 | 3 A 2 | 2.75 | 2.48 | 2.20 | 36 F 11084 | 4DT6A | 1.63 | 1.47 | 1.30 |
| 36 F 10516 | 3A3C/3AW3 | 2.03 | 1.83 | t. 62 | 36 F 11092 | 4EH7/LF183 | 1.78 | 1.60 | 1.42 |
| 36 F 10524 | 3 AF4B/3DZ4 | 2.05 | 1.85 | 1.64 | 36 F 11100 | 4E17/LF184 | 1.78 | 1.60 | 1.42 |
| 36 F 10532 | 3AL5 | 1.35 | 1.22 | 1.08 | 36 F 11118 | 4ES8/XCC189 | 2.75 | 2.48 | 2.20 |
| 36 F 10540 | 3AT2 | 1.85 | 1.67 | 1.48 | 36 F 111126 | 4EW6 | 1.78 | 1.60 | 1.42 |
| 36 F 10557 | 3 3U6 | 1.48 | 1.33 | 1.18 | 36 F 11134 | 4GK5 | 1.95 | 1.76 | 1.56 |
| 36 F 10565 | $3 \mathrm{AV6}$ | 1.48 | 1.33 | 1.18 | 36 F 11142 | 4GM6 | 1.10 | . 99 | . 88 |
| 36 F 1 C573 | $\begin{aligned} & \text { 3AW2A } 2.03 \\ & \text { 3AW3 USE } 3 \text { B3C/3AW3 } \end{aligned}$ |  |  | 1.6 |  | 4GS8 USE 4BU8/46S8 |  |  |  |
|  |  |  |  |  | 36 F 11159 | 4 GX 7 | 2.30 | 2.07 | 1.84 |
|  | 3AW3 USE 3A3C/JAW3 382 USE 3A3C/3AW3 |  |  |  | 36 F 111175 | aHA5/ PC900 | 1.18 | 1.06 | . 94 |
| 36 F 10581 | 3BA6 | 1.18 | 1.06 | . 94 | 36 F 11183 | 4HAT/ 4HC7 | 2.13 | 1.92 | 1.70 |
| 36 F 10599 | 38C5/3CE5 | 1.48 | 1.33 | 1.18 | 36 F 11191 | 4HM6 | 1.55 | 1.40 | 1.24 |
| 36 F 10607 | 3BE6 | 1.35 | 1.22 | 1.08 | 36 F 11209 | 4 HOS | 2.30 | 2.07 | 1.84 |
| 36 F 10615 | 38L2A | 1.78 | 1.60 | 1.42 | 36 F 11217 | 4HS8 | 1.85 | 1.67 | 1.48 |
| 36 F 20077 | 38M2 | 1.80 | 1.62 | 1.44 | 36 F 11233 | 4JC6A | 2.53 | 2.28 | 2.06 |
| 36 F 10623 | 38N2 | 2.00 | 1.80 | 1.60 | 36 fr 11241 | 4106 | 2.30 | 2.07 | 1.84 |
| 36 F 10631 | 3BN4A | 1.70 | 1.53 | 1.36 | 36 ff 11258 | 4) $\mathrm{H6}$ | 1.70 | 1.53 | 1.36 |
| 36 F 10649 |  | 2.38 | 2.14 | 1.90 | 36 F 11266 | 4KE8 | 3.03 | 2.73 | 2.42 |
|  | 38N6 3B\$2A USE | 3BW2/3 | 38S2A |  | 36 F 20556 | 4KN8/4RHH8 | 3.98 | 3.58 | 3.18 |
|  | 3 BT2 USE 3B 3BU8/3GS8 | W2/3B | BS2A |  | 36 F 20432 | 4KT6 | 2.08 | 1.87 | 1.66 |
| 36 F 10664 |  | 2.45 | 2.21 | 1.96 | 36511274 | 4 ${ }^{\text {¢ }} 8$ | 2.20 | 1.98 | 1.76 |
|  |  |  | 198 | 1.68 | 36 「 21034 | 4tu6 | 1.70 | 1.53 | 1.36 |



RCA \& GE RECEIVING TUBES (Cont.)

| Stock Mo. | Tube Tyge | $\begin{gathered} \text { Net Ea. } \\ 1.9 \quad 10-49 \end{gathered}$ |  | $\begin{aligned} & 50 \\ & 5 \mathrm{UP} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 36 F 11969 | 6AF9 | 1.78 | 1.60 | 1.42 |
| 36 F 11977 | 6AF11 | 2.60 | 2.34 | 2.08 |
| 36 F 11985 | 6AG5 | 1.90 | 1.71 | 1.52 |
| 36 F 11993 | 6AG7 | 3.43 | 3.09 | 2.74 |
| 36 F 12009 | 6A69 | 3.13 | 2.82 | 2.05 |
| 36 F 12017 | 6AG11 | 3.00 | 2.70 | 2.40 |
| 36 F 12025 | 6AH4GT | 1.63 | 1.47 | 1.30 |
| 36 F 12033 | 6AH6 | 2.60 | 2.34 | 2.08 |
| 36 F 12041 | 6AH9 | 2.38 | 2.14 | 1.90 |
| 36 F 12058 | 6AK5/EF95 | 2.38 | 2.14 | 1.90 |
| 36 F 19764 | 6AK6 | 1.28 | 1.15 | 1.02 |
| 36 F 20135 | 6AK8/EABC80 | 1.65 | 1.49 | 1.32 |
| 36 F 20440 | 6AK10 | 2.53 | 2.28 | 2.02 |
| 36 F 12066 | 6AL3/EY88 | 1.30 | 1.17 | 1.04 |
| 36 F 12074 | 6 6A15 | 1.48 | 1.33 | 1.18 |
| 36 F 12082 | 6AL7GT | 4.43 | 3.99 | 3.54 |
| 36 F 12090 | 6AL11 | 2.85 | 2.57 | 2.28 |
| 36 F 12108 | 6AM4 | 3.60 | 3.24 | 2.88 |
| 36 F 12116 | 6AM8A | 2.30 | 2.07 | 1.84 |
| 36 F 12124 | 6AN4 | 3.08 | 2.77 | 2.46 |
| 36 F 12132 | 6AN8A | 2.60 | 2.34 | 2.08 |
| 36 F 12140 | 6A05A/6HG5 | 1.70 | 1.53 | 1.36 |
| 36 F 12157 | 6A06 | 1.63 | 1.47 | 1.30 |
| 36 F 12165 | 6A07GT | 2.35 | 2.12 | 1.88 |
| 36 F 12173 | 6A08/ECC85 | 1.50 | 1.35 | 1.20 |
| 36 F 12181 | 6AR5 | 1.23 | 1.11 | 98 |
| 36 F 12199 | 6AR8 | 2.95 | 2.65 | 2.36 |
| 36 F 12207 | 6AR11 | 2.68 | 2.41 | 2.14 |
| 36 F 12215 | 6AS5 | 200 | 1.80 | 1.60 |
| 36 F 12223 | 6A58 | 2.43 | 2.19 | 1.94 |
| 36 F 12231 | 6AS11 | 3.03 | 2.73 | 2.42 |
| 36 F 12249 | 6AT5 | 1.20 | 1.08 | . 96 |
| 36 F 12256 | 6A.78A | 2.60 | 2.34 | 2.08 |
| 36 F 12264 | 6AU4GTA | 2.43 | 2.15 | 1.94 |
| 36 F 12272 | 6AU5GT | 2.60 | 2.34 | 2.08 |
| 36 F 12280 | 6AU6A | 1.48 | 1.33 | 1.18 |
| 36 F 12298 | 6AUBA | 2.83 | 2.55 | 2.26 |
| 36 F 12306 | 6AV5GA | 2.60 | 2.34 | 2.08 |
| 36 F 12314 | 6AV6 | 1.35 | 122 | 1.08 |
| 36 F 12322 | 6AV11 | 2.20 | 1.98 | 1.76 |
| 36 F 12330 | 6AW8A | 2.23 | 2.01 | 1.78 |
| 36 F 12348 | 6ax3 | 1.70 | 1.53 | 1.36 |
| 36 F 12355 | 6AX4GTB | 1.85 | 1.67 | 1.48 |
| 36 F 12363 | $64 \times 5 \mathrm{GT}$ | 1.93 | 1.74 | 1.54 |
| 36 F 12371 | 6 6x8 | 1.75 | 1.58 | 1.40 |
| 36 F 12389 | 6AY3B/6BS3A | 1.85 | 1.67 | 1.48 |
| 36 F 12397 | 6aY11 | 2.95 | 2.66 | 2.36 |
| 36 F 12405 | 6478 | 2.78 | 2.50 | 2.22 |
| 36 F 12413 | 688 | 3.43 | 3.05 | 2.74 |
| 36 F 12421 | 6810 | 2.23 | 2.01 | 1.78 |
| 36 F 12439 | 6BA3 | 1.53 | 1.38 | 1.22 |
| 36 F 12447 | 6BA6/EF93 | 1.63 | 1.47 | 1.30 |
| 36 F 12454 | 6847 | 2.95 | 2.66 | 2.36 |
| 36 F 12462 | 6BA8A | 2.33 | 2.10 | 1.86 |
| 36 F 12470 | 6BA11 | 2.45 | 2.21 | 1.96 |
| 36 F 12488 | 68C4 | 2.75 | 2.46 | 2.20 |
| 36 F 12496 | 68C5/6CE5 | 1.63 | 1.47 | 1.30 |
| 36 F 12504 | $68 C 7$ | 1.80 | 1.62 | 1.44 |
| 36 F 19772 | 68C8/6B78 | 2.45 | 2.21 | 1.95 |
| 36 F 12520 | 6806 | 1.18 | 1.06 | 94 |
| 36 F 12538 | 68.11. | 3.08 | 2.77 | 2.46 |
| 36 F 12546 | 6BE3/6BZ | 2.23 | 2.01 | 1.78 |
| 36 F 12553 | 68E6 | 1.70 | 1.53 | 1.36 |
| 36 F 12561 | 68F5 | 1.68 | 1.51 | 1.34 |
| 36 F 12579 | 68F6 | 1.93 | 1.74 | 1.54 |
| 36 F 12587 | $68 F 11$ | 2.53 | 2.28 | 2.02 |
| 36 F 12595 | 68G6GA | 3.23 | 2.91 | 2.58 |
| 36 F 12603 | 6BH3A | 1.40 | 1.26 | 1.12 |
| 36 F 12611 | 68H6 | 2.00 | 1.80 | 1.60 |
| 36 F 12629 | 6848 | 2.30 | 2.07 | 1.84 |
| 36 F 12637 | 68 H 11 | 2.35 | 2.12 | 1.88 |
| 36 F 12645 | 6813 | 1.63 | 1.47 | 1.30 |
| 36 F 12652 | 68.6 | 2.03 | 1.83 | 1.62 |
| 36 F 12660 | 6817 | 1.48 | 1.33 | 1.18 |
| 36 F 12678 | 6818 | 2.23 | 2.01 | 1.78 |
| 36 F 12685 | 6BK4C/6EL4A | 3.85 | 3.47 | 3.08 |
| 36 F 12694 | 6 BK 5 | 1.75 | 1.58 | 1.40 |
| 36 F 12702 | 68K78 | 2.45 | 2.21 | 1.96 |
| 36 F 12710 | 6817GTA | 2.80 | 2.52 | 2.24 |
| 36 F 12720 | 6BL8/ECF80 | 1.35 | 1.22 | 1.08 |
| 36 F 12736 | 68M8/ECL82 | 1.45 | 1.31 | 1.16 |
| 36 F 12744 | 6BN4A | 2.00 | 1.80 | 1.60 |
| 36 F 12751 | 68N6/6KS6 | 2.25 | 2.03 | 1.80 |
| 36 F 12769 | 6BN8 | 1.85 | 1.67 | 1.48 |
| 36 F 12777 | 68N11 | 2.68 | 2.41 | 2.14 |
| 36 F 12785 | 6805/E184 | 1.95 | 1.76 | 1.56 |
| 36 F 12793 | 6B06GA/6CU6 | 2.70 | 2.43 | 2.16 |
| 36 F 12801 | 6806GT8 | 2.70 | 2.43 | 2.16 |
| 36 F 12819 | 6807A/6827 | 2.50 | 2.25 | 2.00 |
| 36 F 20580 | 68R3/6RK19 | 2.28 | 2.05 | 1.82 |
| 36 F 12327 | 6BR8A/6FV8A | 2.35 | 2.12 | 1.88 |
|  | 6BS3A USE |  | 3S3A |  |
|  | 6BS8 USE 6BO |  |  |  |
| 36 F 12850 | 68U8 | 2.53 | 2.28 | 2.02 |
| 36 F 12868 | $68 \mathrm{V8}$ | 1.65 | 1.49 | 1.32 |
| 36 F 19996 | 68V11 | 2.48 | 2.23 | 1.98 |



| Stoch No. | Tubs Type | $\begin{aligned} & \text { Met Ea. } \\ & 1.9 \quad 10 \cdot 49 \end{aligned}$ |  | $\begin{aligned} & 50 \\ & \mathrm{H}, \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 36 F 13676 | 6EM5 | 1.78 | 1.60 | 1.42 |
| 36 F 13684 | 6EH7/EF183 | 1.93 | 1.74 | 1.54 |
| 36 F 13692 | 6EH8 | 1.75 | 1.58 | 1.40 |
| 36 F 13700 | 6E 4 A | 4.68 | 4.21 | 3.74 |
| 36 F 13718 | 6E17/EF184 | 1.78 | 1.60 | 1.42 |
|  | 6 ELA USE 6BK4C/6EL4 |  |  |  |
| 36 F 13726 | 6EM5 | 2.23 | 2.01 | 1.78 |
| 36 F 13734 | 6EM7/6EA7 | 2.85 | 2.57 | 2.28 |
| 36 F 13742 | $6 E 07$ | 1.48 | 1.33 | 1.18 |
| 36 F 13759 | 6ER5 | 2.10 | 1.89 | 1.68 |
| 36 F 13767 | 6ES5 | 1.43 | 1.29 | 1.14 |
| 36 F 13775 | 6ES8/ECC189 | 2.73 | 2.46 | 2.18 |
| 36 F 13783 | $6 \mathrm{EV7}$ | 2.00 | 1.80 | 1.50 |
| 36 F 13791 | 6EU7 | 1.98 | 1.78 | 1.56 |
| 36 F 13809 | 6EU8 | 1.85 | 1.67 | 1.48 |
| 36 F 13817 | $6 E V 5$ | 1.78 | 1.60 | 1.42 |
| 36 F 13825 | 6 EV 7 | 1.63 | 1.47 | 1.30 |
| 36 F 13833 | 6EW6 | 1.78 | 1.60 | 1.42 |
| 36 F 13841 | 6EW7 | 3.00 | 2.70 | 2.40 |
| 36 F 13866 | $6 E \mathrm{Y} 6$ | 2.50 | 2.25 | 2.00 |
| 36 F 13874 | 6E25 | 2.53 | 2.28 | 2.02 |
| 36 F 13882 | 6E28 | 2.53 | 2.28 | 2.02 |
| 36 F 13890 | 6 E5 | 2.93 | 2.64 | 2.34 |
| 36 F 13908 | $6 F 6$ | 3.08 | 2.77 | 2.45 |
| 36 F 13916 | 6F6GT | 3.08 | 2.77 | 2.46 |
| 36 F 13924 | 6F8G | 4.23 | 3.81 | 3.38 |
| 36 F 13932 | 6FA7 | 1.48 | 1.33 | 1.16 |
| 36 F 13940 | $6 F 06$ | 1.76 | 1.60 | 1.42 |
| 36 F 13957 | $6 F 07$ | 2.85 | 2.57 | 2.28 |
| 36 F 13965 | 6FE5 | 1.70 | 1.53 | 1.36 |
| 36 F 13973 | $6 F 65$ | 2.68 | 2.41 | 2.14 |
| 36 F 13981 | 6FG6/ EM8 | 1.68 | 1.51 | 1.34 |
| 36 F 13999 | 6 F67 | 2.30 | 2.07 | 1.84 |
| 36 F 14005 | 6FH5 | 2.28 | 2.05 | 1.82 |
| 36 F 14013 | 6FH8 | 2.20 | 1.98 | 1.76 |
| 36 F 14021 | $6 \mathrm{~F} / 7$ | 2.08 | 1.87 | 1.66 |
| 36 F 14039 | $6 \mathrm{FM7}$ | 2.30 | 2.07 | 1.84 |
| 36 F 14047 | 6 FM8 | 1.98 | 1.78 | 1.58 |
|  | 6FQ5A USE 6GK5/6FQ5A |  |  |  |
| 36 F 14054 | 6F07/6CG7 | 1.48 | 1.33 | 1.18 |
| 36 F 14062 | 6FS5 | 2.05 | 1.85 | 1.64 |
| 36 F 14070 | 6FV6 | 2.23 | 2.01 | 1.78 |
|  | 6FVEA USE 68R8A/6FV8A |  |  |  |
| 36 F 14088 | 6FW5 | 2.45 | 2.21 | 1.96 |
| 36 F 14096 | 6FY5/EC97 | 1.38 | 1.24 | 1. 10 |
| 36 F 14104 | 6 FY 7 | 1.75 | 1.58 | 1.40 |
| 36 F 14120 | 6611 | 3.00 | 2.70 | 2.40 |
| 36 F 50124 | $6683 A^{*}$ | 2.05 | 1.85 | 1.64 |
| 36 F 14138 | 6GB5/EL500 | 1.90 | 1.71 | 1.52 |
| 36 F 50132 | 66B6* | 2.30 | 2.07 | 1.84 |
|  | 6GB7 USE 60068/6GW6 |  |  |  |
| 36 F 14146 | 6GC5 | 2.50 | 2.25 | 2.00 |
| 36 F 14153 | 6GE5 | 2.85 | 2.57 | 2.23 |
| 36 F 14161 | 6655 | 1.90 | 1.71 | 1.52 |
| 36 F 14179 | 6GF7A | 2.68 | 2.41 | 2.14 |
| 36 F 14187 | 6GH8A | 1.60 | 1.44 | 1.28 |
| 36 F 14195 | 6G15A | 3.08 | 2.77 | 2.46 |
| 36 F 14203 | 6G77/ECF801 | 1.55 | 1.40 | 1.24 |
| 36 F 14211 | 6GK5/6F05A | 2.30 | 2.07 | 1.84 |
| 36 F 14229 | 6GK6 | 1.85 | 1.67 | 1.48 |
| 36 F 50140 | 66K17* | 2.43 | 2.19 | 1.94 |
| 36 F 14237 | $6 \mathrm{GL7}$ | 2.90 | 2.61 | 2.32 |
| 36 F 14245 | 6 GM 5 | 1.53 | 1.38 | 1.22 |
| 36 F 14252 | 6GM6 | 1.93 | 1.74 | 1.54 |
| 36 F 14260 | 6GM8/ECC86 | 2.18 | 1.96 | 1.74 |
| 36 F 14278 | 6GN8/6EB8 | 2.53 | 2.28 | 2.02 |
| 36 F 14286 | $6 \mathrm{CQ7}$ | 1.88 | 1.69 | 1.50 |
| 36 F 20895 | 6657* | 1.88 | 1.69 | 1.50 |
| 36 F 14294 | 6GT5A | 3.18 | 2.86 | 2.54 |
| 36 F 14302 | 6GU5 | 2.05 | 1.85 | 1.64 |
| 36 F 14310 | 6 GU7 | 2.08 | 1.87 | 1.66 |
| 36 F 14328 | 6GV5 | 2.08 | 1.87 | 1.66 |
| 36 F 14336 | $66 \mathrm{~V} 8 / \mathrm{ECLP} 5$ | 2.30 | 2.07 | 1.84 |
|  | 6GW6 USE 6DQ6B/6GW6 |  |  |  |
| 36 F 14344 | 6GW8/ECL86 | 1.53 | 1.38 | 1.22 |
|  | 66X6 USE 6GY6/6GX6 |  |  |  |
| 36 F 14351 | $6 \mathrm{G} \times 7$ | 2.30 | 2.07 | 1.84 |
| 36 F 14369 | $6 \mathrm{6Y5}$ | 2.30 | 2.07 | 1.84 |
| 36 F 14377 | 6GY6/6GX6 | 1.60 | 1.44 | 1.28 |
| 36 F 14385 | $66 Y 8$ | 2.55 | 2.30 | 2.04 |
| 36 F 14393 | $66 \times 5$ | 1.35 | 1.22 | 1.08 |
| 36 F 14401 | 6H6 | 2.65 | 2.39 | 2.12 |
|  | 6HA5 USE 6HM5/6HA5 6HA6 USE GHB6/6HA6 |  |  |  |
|  |  |  |  |  |
| 36 F 14419 | 6 HBS | 2.30 | 2.07 | 1.84 |
| 36 F 14427 | 6HB6/6HA6 | 2.23 | 2.01 | 1.78 |
| 36 F 14435 | $6 \mathrm{HB7}$ | 2.15 | 1.94 | 1.72 |
| 36 F 21059 | 6HD7 | 1.65 | 1.49 | 1.32 |
| 36 F 14443 | 6HES | 2.33 | 2.10 | 1.86 |
| 36 F 14450 | 6HF5 | 4.35 | 3.92 | 3.48 |
| 36 F 14468 | 6HF8 | 2.65 | 2.39 | 2.12 |
|  | 6HG5 USE 6AOSA/6HC5 |  |  |  |
| 36 F 14476 | 6HG8/ECF86 | 1.85 | 1.67 | 1.48 |
| 35 F 14492 | 6H18 | 1.55 | 1.40 | 1.24 |
| 36 F 14500 | 6MK 5 | 1.95 | 1.76 | 1.56 |
| 36 F 14518 | 6HL8 | 1.53 | 1.38 | 1.22 |

RCA \& GE RECEIVING TUBES (Cont.)

| Stack No. | Tube Type | $\begin{aligned} & \text { Net Ea. } \\ & 1.9 \quad 10-49 \end{aligned}$ |  | $\begin{aligned} & 50 \\ & U_{p} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 36 F 14526 | 6HM5/6HA5 | 1.93 | 1.74 | 1.54 |
| 36 F 14534 | 6HM6 | 1.48 | 1.33 | 5.18 |
| 36 F 14542 | 6 HQ 5 | 2.53 | 2.28 | 2.02 |
| 36 F 14559 | 6 HR5 | 1.28 | 1.15 | 8.02 |
| 36 F 14567 | 6MR6 | 1.85 | 1.67 | 1.48 |
| 36 F 14575 | 6HS5 | 3.88 | 3.49 | 3.10 |
| 36 F 14583 | 6HS6 | 1.85 | 1.67 | 1.48 |
| 36 F 14591 | 6HS8 | 2.38 | 2.14 | 1.90 |
| 36 F 20143 | 6HU6/EM87 | 2.43 | 2.19 | 1.94 |
| 36 F 20598 | 6HU8/ELL80 | 2.70 | 2.43 | 2.16 |
| 36 F 20150 | 6HV5 | 3.88 | 3.49 | 3.10 |
| 36 F 14609 | 6H26 | 1.50 | 1.35 | 1.20 |
| 36 F 21067 | 6H28 | 2.75 | 2.48 | 2.20 |
| 36 F 14625 | 615 | 2.30 | 2.07 | 1.84 |
| 36 F 14633 | 615 GT | 2.05 | 1.85 | 1.64 |
| 36 F 14641 | 616A | 2.23 | 2.01 | 1.78 |
| 36 F 14658 | 617 <br> 6110 USE | $\begin{aligned} & 2.90 \\ & 0 / 6110 \end{aligned}$ | 2.61 | 2.32 |
| 36 F 14666 | 6111 | 2.88 | 2.59 | 2.30 |
| 36 F 21075 | $6 J 85$ | 2.36 | 2.14 | 1.90 |
| 36 F 14674 | 6JB6A | 3.18 | 2.86 | 2.54 |
| 36 F 14682 | 6JC6A | 2.23 | 2.01 | 1.78 |
| 36 F 14690 | 6JC8 | 1.68 | 1.51 | 1.34 |
| 36 F 14708 | 6106 | 1.78 | 1.60 | 1.42 |
|  | 6 J 56 | /6JE |  |  |
| 36 F 14724 | 6JE8 | 1.85 | 1.67 | 1.48 |
| 36 F 14732 | 6JF6 | 3.63 | 3.27 | 2.90 |
| 36 F 14740 | 6JG6A | 3.25 | 2.93 | 2.60 |
| 36 F 14757 | 6JH6 | 1.80 | 1.62 | 1.44 |
| 36 F 14765 | 6JM8 | 2.75 | 2.48 | 2.20 |
| 36 F 20168 | 6JK6 | 1.93 | 1.74 | 1.54 |
| 36 F 14773 | $6 \mathrm{JK8}$ | 2.03 | 1.83 | 1.62 |
| 36 F 14781 | 6JM6A | 2.85 | 2.57 | 2.28 |
| 36 F 14799 | 6JN6 | 2.68 | 2.41 | 2.14 |
| 36 F 14807 | 6JN8 | 1.83 | 1.65 | 1.46 |
| 36 F 20010 | 6106 | 1.93 | 1.74 | 1.54 |
| 36 F 20028 | $6 J$ 6 6 | 3.18 | 2.86 | 2.54 |
| 36 F 14815 | 6JS6C | 3.75 | 3.38 | 3.00 |
| 36 F 14823 | 6JT6A | 2.70 | 2.43 | 2.16 |
| 36 F 14831 | 6 J 88 | 2.23 | 2.01 | 1.78 |
| 36 F 20036 | 6146 | 3.18 | 2.06 | 2.54 |
| 36 F 14849 | 6JU8A | 2.20 | 1.98 | $\mathbf{1 . 7 6}$ |
| 36 F 14856 | $6 \mathrm{JV8}$ | 2.20 | 1.98 | 1.76 |
| 36 F 14864 | 6JW8/ECF802 | 1.55 | 1.40 | 1.24 |
| 36 F 50165 | 6JY8* | 3.65 | 3.29 | 2.92 |
| 36 F 14872 | $6 J 26$ | 2.33 | 2.10 | 1.86 |
| 36 F 14880 | 6128 | 1.78 | 1.60 | 1.42 |
| 36 F 14898 | 6K6GT | 1.75 | 1.58 | 1.40 |
| 36 F 14905 | $6 \mathrm{K7}$ | 2.95 | 2.66 | 2.36 |
| 36 F 14914 | 6 K 8 | 3.85 | 3.47 | 3.08 |
| 36 F 14922 | 6K11/6011 | 1.90 | 1.71 | 1.52 |
| 36 F 14930 | 6 KAB | 2.45 | 2.21 | 1.96 |
| 36. F 14948 | 6KD6 | 4.43 | 3.99 | 3.54 |
|  | 6 KDP US | A/ 6 KD | / 5 KD |  |
| 36 F 14955 | 6KE8 | 3.03 | 2.73 | 2.42 |
| 36 F 14963 | 6KL8 | 1.48 | 1.33 | 1.18 |
| 36 F 14971 | 6KM6 | 4.43 | 3.99 | 3.54 |
| 36 F 14989 | 6KM8 | 1.73 | 1.56 | 1.38 |
| 36 F 20176 | 6KN6 | 3.60 | 3.24 | 2.88 |
| 36 F 20606 | 6KN8/6RHH8 | 3.98 | 3.58 | 3.18 |
| 36 F 14997 | GKR8 | 2.13 | 1.92 | 1.70 |
|  | 6KS6 USE 68N | N6/6KS |  |  |
| 36 F 15002 | 6KT6 | 1.65 | 1.49 | 1.32 |
| 36 F 15010 | $6 \mathrm{KT8}$ | 2.70 | 2.43 | 2.16 |
| 36 F 15020 | 6 KUP | 2.40 | 2.16 | 1.92 |
| 36 F 21083 | 6KV6A | 3.65 | 3.29 | 2.92 |
| 36 F 15036 | 6KV8 | 2.93 | 2.64 | 2.34 |
| 36 F 15044 | 6KY8A | 3.85 | 3.47 | 3.08 |
| 36 F 15051 | 6K78 | 2.03 | 1.83 | 1.62 |
| 36 F 15069 | 6 L 6 | 4.83 | 4.35 | 3.86 |
| 36 F 15077 | 6L6GC | 2.95 | 2.66 | 2.36 |
| 36 F 15085 | $6 \mathrm{6L7}$ | 3.48 | 3.13 | 2.78 |
| 36 F 15093 | $6 \mathrm{LB6}$ | 4.43 | 3.99 | 3.54 |
| 36 F 15101 | 6188 | 2.35 | 2.12 | 1.88 |
|  | 6LC6 USE 6LH | 6A |  |  |
| 36 F 15119 | 6LCB | 2.38 | 2.14 | 1.90 |
| 36 F 15127 | 6LE8 | 3.10 | 2.79 | 2.48 |
| 36 F 20184 | 6LF6 | 4.23 | 3.81 | 3.38 |
| 36 F 15135 | 6 LF 8 | 2.55 | 2.30 | 2.04 |
|  | 6LHGA USE 6L | J6A/6L | H6A |  |
| 36 F 15150 | 6LJ6A/6LH6A | 4.15 | 3.74 | 3.32 |
| 36 F 15168 | 6LJ8 | 2.20 | 1.98 | 1.76 |
| 36 F 15176 | 6LM8 | 2.45 | 2.21 | 1.96 |
| 36 F 15184 | 6LNB/ LCF80 | 1.20 | 1.08 | . 96 |
| 36 F 19798 | 6L06/6JE6C | 4.33 | 3.90 | 3.45 |
| 36 F 15192 | 6 608 | 2.78 | 2.50 | 2.22 |
| 36 F 20390 | 6LR6 | 4.08 | 3.67 | 3.26 |
| 36 F 20192 | 6LR8 | 2.36 | 2.14 | 1.90 |
| 36 F 15200 | ${ }^{6 L T 8}$ | 2.00 | 1.80 | 1.60 |
| 36 F 15218 | 6 6U8 | 2.38 | 2.14 | 1.90 |
| 36 F 15226 | 6L×8/LCF802 | 1.30 | 1.17 | 1.04 |
| 36 F 15234 | 6 L 88 | 1.95 | 1.76 | 1.56 |
| 36 F 15242 | 6M11 | 2.88 | 2.59 | 2.30 |
| 36 F 20200 36 F 15259 | 6M88 6M08 | 1.83 2.68 | 1.65 2.41 | 1.46 2.14 |



| Stock Mo. | Tube Type |  | Ea. $10-49$ | $\begin{aligned} & 50 \\ & \mathrm{Up} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | 8EB8 USE 8GN8/8EBB |  |  |  |
| 36 F 16042 | 8EM5 | 2.05 | 1.85 | 1.64 |
| $36 . F 16059$ | 8ET7 | 2.08 | 1.87 | 1.66 |
| 36 F 16067 | 8F07/8CG7 | 1.48 | 1.33 | 1.18 |
| 36 F 16075 | 8GJ7/PCF801 | 1.45 | 1.31 | 1.16 |
| 36 F 16083 | 8GN8/8EB8 | 2.08 | 1.87 | 1.66 |
| 36 F 16091 | 8GU7 | 1.60 | 1.44 | 1.28 |
| 36 F 16109 | 8JU8A | 1.68 | 1.51 | 1.34 |
| 36 F 16117 | 8JV8 | 2.15 | 1.94 | 1.12 |
| 36 F 16125 | 8 KAB | 2.33 | 2.10 | 1.86 |
| 36 F 20689 | 8KR8* | 3.35 | 3.02 | 2.68 |
| 36 F 16133 | 8LC8 | 2.38 | 2.14 | 1.90 |
| 36 F 16141 | 8L18 | 2.00 | 1.80 | 1.60 |
| 36 F 16158 | 9AB/8A8 | 1.33 | 1.20 | 1.06 |
| 36 F 21125 | 9AH9 | 2.53 | 2.28 | 2.02 |
| 36 F 20697 | 9408 | 3.83 | 3.45 | 3.06 |
| 36 F 16166 | $94 \cup 7$ | 1.48 | 1.33 | 1.18 |
| 36 F 16174 | 98111 | 2.93 | 2.64 | 2.34 |
| 36 F 16182 | 98R7 | 1.58 | 1.42 | 1.26 |
| 36 F 18190 | 9CL8 | 1.48 | 1.33 | 1.18 |
| 36 F 20259 | 9GH8A | 2.05 | 1.85 | 1.64 |
| 36 F 16216 | 9GV8/XCL85 | 1.70 | 1.53 | 1.36 |
| 36 F 21133 | 9Jw8 | 1.63 | 1.47 | 1.30 |
| 36 F 16224 | 9KC6 | 2.18 | 1.96 | 1.74 |
| 36 F 16232 | $9 \mathrm{KX6}$ | 2.08 | 1.87 | 1.66 |
| 36 F 16240 | 9k28 | 1.48 | 1.33 | 1.18 |
| 36 F 20267 | 9LA6 | 2.10 | 1.89 | 1.68 |
| 36 F 50264 | $9 \mathrm{MHH3}{ }^{\text { }}$ | 2.08 | 1.87 | 1.68 |
| 36 F 21141 | 9MN8 | 2.23 | 2.01 | 1.78 |
| 36 F 50272 | 9MP12* | 2.15 | 1.94 | 1.72 |
| 36 F 50280 | 9RA6* | 3.83 | 3.45 | 3.06 |
|  | 9RALI USE 100E7 |  |  |  |
| 36 F 20713 | 9RHR2 | 2.63 | 2.37 | 2.10 |
| 36 F 16257 | 9UBA | 1.55 | 1.40 | 1.24 |
| 36 F 16265 | 10AL11 | 2.28 | 2.05 | 1.82 |
| 36 F 16273 | 10805 | 1.38 | 1.24 | 1.10 |
| 36 F 16281 | 10C8 | 3.03 | 2.73 | 2.46 |
| 36 F 16299 | 10CW5/LL86 | 1.28 | 1.15 | 1.02 |
| 36 F 16307 | 100E7 | 2.45 | 2.21 | 1.96 |
| 36 F 16315 | 100R7 | 2.23 | 2.01 | 1.78 |
| 36 F 16323 | 100x8/LCL84 | 1.38 | 1.24 | 1.10 |
| 36 F 16331 | 10EG7 | 2.20 | 1.98 | 1.76 |
| 36 F 16349 | 10EM7 | 2.45 | 2.21 | 1.96 |
| 36 F 16356 | 10EW7 | 2.65 | 2.39 | 2.12 |
| 36 F 16364 | 10GF7A | 2.38 | 2.14 | 1.90 |
| 36 F 16372 | 10GK6 | 1.73 | 1.56 | 1.38 |
| 36 F 16380 | 10GN8 | 2.45 | 2.21 | 1.96 |
| 36 F 16398 | 10HF8 | 2.68 | 2.41 | 2.14 |
|  | 10JA8 USE 10LZ8/10JA8 |  |  |  |
| 36 F 16406 | 10JT8 | 2.03 | 1.83 | 1.62 |
| 36 F 16414 | 10IY8 | 1.83 | 1.65 | 1.46 |
| 36 F 16422 | 10 KP 8 | 2.13 | 1.92 | 1.70 |
| 36 / 16430 | $10 \mathrm{KU8}$ | 2.43 | 2.19 | 1.94 |
| 36 F 1644, | 10L88 | 2.35 | 2.12 | 1.88 |
| 36 F 16455 | 10LE8 | 2.95 | 2.66 | 2.36 |
| 36 F 16463 | 10LW8 | 2.68 | 2.41 | 2.14 |
| 36 F 20481 | 10LY8 | 1.95 | 1.76 | 1.56 |
| 36 F 16471 | 10L28/10JA8 | 2.08 | 1.87 | 1.66 |
| 36 F 21158 | 10710 | 2.68 | 2.41 | 2.14 |
| 36 F 21166 | 10210 | 3.08 | 2.71 | 2.46 |
| 36 F 20275 | 11AF9 | 3.08 | 2.71 | 2.46 |
| 36 F 16489 | 11 AR11 | 2.68 | 2.41 | 2.14 |
| 36 F 20283 | $11 \mathrm{Mm}{ }^{\text {- }}$ | 2.93 | 2.64 | 2.34 |
| 36 F 16497 | 118011 | 2.68 | 2.41 | 2.14 |
| 36 F 16505 | 118111 | 3.25 | 2.93 | 2.60 |
| 36 F 16513 | 11 CAll | 3.75 | 3.38 | 3.00 |
| 36 F 21174 | 11CF11 | 3.90 | 3.51 | 3.12 |
| 36 F 16521 | 11 Cr 7 | 2.40 | 2.16 | 1.92 |
| 36 F 21182 | 11055 | 2.30 | 2.07 | 1.84 |
| 36 F 16539 | 11 PY 7 | 1.85 | 1.67 | 1.48 |
| 36 F 16547 | 11HM7 | 2.63 | 2.37 | 2.10 |
| 36 F 16554 | 11JE8 | 1.93 | 1.74 | 1.54 |
| 36 F 16562 | $11 \mathrm{Kv8}$ | 3.25 | 2.93 | 2.60 |
| 36 F 16570 | 11108 | 2.95 | 2.66 | 2.36 |
| 36 F 16588 | 11158 | 2.00 | 1.80 | 1.60 |
| 36 F 21190 | 11 R 3 | 2.63 | 2.37 | 2.10 |
| 36 F 16596 | 11Y9/LFL200 | 1.85 | 1.67 | 1.48 |
| 36 F 16604 | $12 \mathrm{AB5}$ | 1.93 | 1.74 | 1.54 |
| 36 F 16612 | 12 ACG | 1.05 | . 95 | . 84 |
| 36 F 20721 | 12AC10A | 2.53 | 2.28 | 2.02 |
| 36 F 16620 | 12 A 06 | 1.75 | 1.58 | \$. 40 |
| 36 F 16638 | 12AE6A | 1.55 | 1.40 | 1.24 |
| 36 F 16646 | 12AE10 | 2.85 | 2.57 | 2.28 |
| 36 F 16653 | 12AF3/128R3 | 2.13 | 1.92 | 1.70 |
| 36 F 16661 | 12AF6 | 1.58 | 1.42 | 1.26 |
| 36 F 16687 | 12AL5 | 1.38 | 1.24 | 1.10 |
| 36 F 16695 | 12 AL 8 | 3.10 | 2.79 | 2.49 |
| 36 F 16703 | 12AL11 | 2.83 | 2.55 | 2.26 |
| 36 F 16711 | $12 \mathrm{Aa5}$ | 1.75 | 1.58 | 1.40 |
| 36 F 16729 | 12at6 | 1.38 | 1.24 | 1.10 |
| 36 F 16737 | 12AT7/ECC81 | 1.78 | 1.60 | 1.42 |
| 36 F 16745 | 12AU6 | 1.78 | 1.60 | 1.42 |
| 36 F 16752 | 12AU7/ECC82 | 1.55 | 1.40 | 1.24 |
| 36 F 16760 | 12AVSGA | 2.73 | 2.46 | 2.18 |
| 36 F 16778 | 12AV6 | 1.18 | 1.06 | . 94 |
| 36 F 16786 | 12AV7 | 2.30 | 2.07 | 1.84 |

RCA \& GE RECEIVING TUBES (Cont.)

| Stock No. | Tube Type | $\begin{aligned} & \text { Net Ea. } \\ & 1.9 \quad 10-49 \end{aligned}$ |  | $\begin{aligned} & 50 \\ & 8 U_{p} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 36 F 16794 | 12AW6 | 1.78 | 1.60 | 1.42 |
| 36 F 16802 | 12AX3 | 1.50 | 1.35 | 1.20 |
| 36 F 16810 | 12AX4GTB | 1.68 | 1.51 | 1.34 |
| 36 F 16828 | 12AX7/ECC83 | 31.40 | 1.26 | 1.12 |
| 36 F 19855 | 12AX7A/7025 | 51.40 | 1.26 | 1.12 |
| 36 F 16836 | 12AY3/12BS3 | 31.45 | 1.31 | 1.16 |
| 36 F 16844 | 12 AY 7 | 2.85 | 2.57 | 2.28 |
| 36 F 16851 | 12az7a | 2.00 | 1.80 | 1.60 |
| 36 F 16869 | 12BA4 | 2.00 | 1.80 | 1.60 |
| 36 F 16877 | 12BA6 | 1.43 | 1.29 | 1.14 |
| 36 F 16885 | 12BA7 | 2.95 | 2.66 | 2.36 |
| 36 F 16893 | 128D6 | 1.18 | 1.06 | 94 |
| 36 F 16901 | 12BE3 | 1.73 | 1.56 | 1.38 |
| 36 F 16919 | 12BE6 | 1.53 | 1.38 | 1.22 |
| 36 F 16927 | $12 \mathrm{FF6}$ | 1.18 | 1.06 | 94 |
| 36 F 16935 | 128511 | 2.90 | 2.61 | 2.32 |
| 36 F 16943 | 128H7A | 1.93 | 1.74 | 1.54 |
| 36 F 16950 | 128K5 | 1.88 | 1.69 | 1.50 |
| 36 F 16968 | 12BL6 | 1.85 | 1.67 | 1.48 |
| 36 F 16976 | 12BN6 | 2.30 | 2.07 | 1.84 |
| 36 F 16984 | 12BQ6GA | 2.10 | 1.89 | 1.68 |
| 36 F 16992 | $\begin{aligned} & 12 \mathrm{BO6GTB} \\ & 12 \mathrm{CU} 6 \end{aligned}$ | 2.23 | 1 | 1.78 |
|  | 128 R 3 USE 1 | 12AF3/ | 8R3 |  |
| 36 ¢ 17008 | $\begin{aligned} & 12 B R 7 \\ & 12 B S 3 A \text { USE } \end{aligned}$ | $\begin{aligned} & 1.53 \\ & 12 \mathrm{AY} 3 \end{aligned}$ | $\begin{aligned} & 1.38 \\ & 12 \mathrm{BS} 3 \end{aligned}$ | 1.22 |
| 36 F 17024 | 12813 | 1.73 | 1.56 | 1.38 |
|  | 128Y7 USE | 28Y7 | 8V7 |  |
| 36 F 20291 | 128V11 | 2.40 | 2.16 | 1.92 |
| 36 F 17040 | 128W4 | 1.68 | 1.51 | 1.34 |
| 36 F 17057 | 128Y7/128V7 | 71.78 | 1.60 | 1.42 |
| 36 F 17065 | 12826 | 1.20 | 1.08 | . 96 |
| 36 ¢ 17073 | 12827 | 2.08 | 1.87 | 1.66 |
|  | 12 C 5 USE 12 | $2 \mathrm{Cu5} / 1$ | 2C5 |  |
| 36 ¢ 17081 | 12CA5 | 1.98 | 1.78 | 1.58 |
| 36 F 19863 | 12 CL 3 | 1.75 | 1.58 | 1.40 |
| 36 F 17099 | 12CN5 | 1.63 | 1.47 | 1.30 |
| 36 F 17107 | 12 CR 6 | 1.48 | 1.33 | 1.10 |
| 36 F 21208 | 12 CT 3 | 1.63 | 1.47 | 1.30 |
| 36 F 17115 | 12 CT 8 | 3.20 | 2.86 | 2.56 |
| 36 F 17123 | 12CU5/12C5 | 2.15 | 1.94 | 1.72 |
|  | 12CU6 USE 1 | 12806 | 8/12 |  |
| 36 F 17131 | 12CX6 | 1.38 | 1.24 | 1.10 |
| 36 F 17149 | 12 D 4 | 1.53 | 1.38 | 1.22 |
| 36 F 17156 | 12 D 85 | 1.30 | 1.17 | 1.04 |
| 36 F 17164 | 120E8 | 1.55 | 1.40 | 1.24 |
| 36 ¢ 17172 | 120K6 | 1.15 | 1.04 | . 92 |
| 36 F 17206 | 12D06/12GW6 | 62.48 | 2.23 | 1.98 |
|  | 12007 USE | 12BY7A | 128V7 |  |
| 36 F 17222 | 12DS7 | 2.70 | 2.43 | 2.16 |
| 36 F 17230 | 12055 | 1.55 | 1.40 | 1.24 |
| 36 F 17248 | 12018 | 2.00 | 1.80 | 1.60 |
| 36 F 20747 | 120W4A | 2.93 | 2.64 | 2.34 |
| 36 F 17271 | 120W7 | 1.53 | 1.38 | 1.22 |
| 36 F 17289 | $120 Y 8$ | 3.98 | 3.58 | 3.18 |
|  | 12026 USE 1 | 12EK6/1 | 12 D 26 |  |
|  | 12EA6 USE 12 | 12EK6/1 | 12 D 26 |  |
| 36 F 17305 | 12E05 | 1.35 | 1.22 | 1.08 |
| 36 F 17313 | 12EG6 | 1.73 | 1.56 | 1.38 |
| 36 F 17321 | 12EK6/12026 | 61.80 | 1.62 | 1.44 |
| 36 F 17347 | 12EQ7 | 1.38 | 1.24 | 1.10 |
| 36 F 17354 | 12E26 | 1.63 | 1.47 | 1.30 |
| 36 F 17362 | 1258 | 1.63 | 1.47 | 1.30 |
| 36 F 17370 | 12FK6 | 1.28 | 1.15 | 1.02 |
| 36 F 17388 | 12FM6 | 1.30 | 1.17 | 1.04 |
| 36 F 21216 | 12507 | 1.85 | 1.67 | 1.48 |
| 36 F 17396 | 12F08 | 2.60 | 2.34 | 2.08 |
| 36 F 17404 | 12FV7 | 1.70 | 1.53 | 1.36 |
| 36 F 17412 | $125 \times 5$ | 1.63 | 1.47 | 1.30 |
| 36 F 21224 | $12 \mathrm{~F} \times 8 \mathrm{~A}$ | 1.93 | 1.74 | 1.54 |
| 36 F 17438 | 12GA6 | 1.35 | 1.22 | 1.08 |
| 36 F 20754 | 12GB3* | 5.00 | 4.50 | 4.00 |
|  | 12GB6 USE 1 | 12D06B | /12GW6 |  |
|  | $12 \mathrm{GB7}$ USE 1 | 12006B | 12GW6 |  |
| 36 F 17446 | 12GC6 | 2.18 | 1.96 | 1.74 |
| 36 F 17453 | 12GE5 | 2.60 | 2.34 | 2.08 |
| 36 F 17481 | 12G15A | 2.45 | 2.21 | 1.96 |
| 36 F 17479 | 12GN7/12HG7 | 72.83 | 2.55 | 2.26 |
| 36 F 17487 | 12GT5A | 2.68 | 2.41 | 2.14 |
|  | 12GW6 USE | 12006 B | B/12GW |  |
| 36 F 17495 | 12H6 | 2.23 | 2.01 | 1.78 |
| 36 F 17503 | 12HE7 | 3.40 | 3.05 | 2.12 |
|  | $12 \mathrm{HG7}$ USE 12 | 12GN7/1 | 12 HG 7 |  |
| 36 F 17529 | 12HL7 | 2.45 | 2.21 | 1.96 |
| 36 F 17537 | 1215 | 2.05 | 1.85 | 1.64 |
| 36 F 17545 | 12J5GT | 2.40 | 2.16 | 1.92 |
| 36 F 17552 | 1218 | 2.18 | 1.96 | 1.74 |
| 36 F 17560 | 12JB6A | 3.10 | 2.79 | 2.48 |
| 36 F 17578 | 12IN6 | 1.95 | 1.76 | 1.56 |
| 36 F 17586 | 121N8 | 1.85 | 1.67 | 1.48 |
| 36 F 20309 | 12JC6 | 2.23 | 2.01 | 1.78 |
| 36 F 17594 | 12JT6A | 2.48 | 2.23 | 1.98 |
| 36 F 17602 | 12 K 5 | 1.73 | 1.56 | 1.38 |
| 36 F 17628 | 12 KL 8 | 1.23 | 1.11 | . 98 |
| 36 F 17636 | 12L6GI | 1.78 | 1.60 | 1.42 |
| 36 F 17644 | 12MD8 | 2.43 | 2.19 | 1.94 |




RCA \& GE RECEIVING TUBES

| Stock No. | Tube Type | $\begin{aligned} & \text { Net } \\ & 1.9 \end{aligned}$ | $\begin{aligned} & \text { Ea. } \\ & 10.49 \end{aligned}$ | $\begin{aligned} & 50 \\ & \& \quad \mathrm{Up} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 36 F 20879 | $30 \mathrm{K06}{ }^{\circ}$ | 4.33 | 3.90 | 3.46 |
| 36 F 19954 | 31 AL10 | 3.18 | 2.86 | 2.54 |
| 36 F 19038 | 31JS6C | 3.65 | 3.29 | 2.92 |
| 36 F 21323 | 31106 | 4.25 | 3.83 | 3.40 |
| 36 F 19046 | 32ET5A | 1.20 | 1.08 | . 96 |
| 36 F 19962 | 32 H 27 | 3.85 | 3.47 | 3.08 |
| 36 F 19053 | 33677 | 3.48 | 3.13 | 2.78 |
| 36 F 19061 | 33GY7A | 3.23 | 2.91 | 2.58 |
| 36 F 19970 | 33JV6 | 2.33 | 2.10 | 1.86 |
| 36 F 19087 | 34CE3/34CD3 | 1.95 | 1.76 | 1.56 |
| 36 F19095 | 34GD5A | 1.48 | 1.33 | 1.18 |
| 36 F 21331 | 34R3 | 3.75 | 3.38 | 3.00 |
| 36 F19111 | 3585 | 1.60 | 1.44 | 1.28 |
| 36 F 19129 | $35 C 5$ | 1.60 | 1.44 | 1.28 |
| 36 F 19145 | 35EH5 | 1.70 | 1.53 | 1.36 |
| 36 F 19160 | 35L6G7 | 1.93 | 1.74 | 1.54 |
| 36 F 20507 | 35LR6 | 4.08 | 3.67 | 3.26 |
| 36 F 19178 | 35Wa | . 98 | . 88 | . 78 |
| 36 F 19186 | 3574 | 2.25 | 2.03 | 1.80 |
| $36 F 19202$ | 3524GT | 1.28 | 1.15 | 1.02 |
| 36 F 19210 | $35256 T$ | 1.48 | 1.33 | 1.18 |
| 36 F 19228 | 36AM38 | 1.28 | 1.15 | 1.02 |
| 36 F 20366 | 36 KD 6 | 4.43 | 3.99 | 3.54 |
| 36 F 19236 | 38HE 7 | 3.63 | 3.27 | 2.90 |


| Stock Mo. | Tube Type | $\begin{aligned} & \text { Net Ea. } \\ & 1.9 \quad 10.49 \end{aligned}$ |  | $\begin{aligned} & 50 \\ & 40 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 36 F 15244 | 38HK7 | 3.58 | 3.22 | 2.86 |
| 36 F 1 ¢269 | 42 | 2.43 | 219 | 1.94 |
| 36 F 19277 | 42 KN 6 | 3.60 | 3.24 | 2.88 |
| 36 F 19285 | 43 | 3.60 | 3.24 | 2.88 |
| 36 F 19293 | 45B5/UL84 | 1.40 | 1.26 | 1.12 |
| 36 F 19301 | 50 As | 2.93 | 264 | 2.34 |
| 36 F 19319 | 50B5 | 1.48 | 1.33 | 1.18 |
| 36 F 20374 | 50BMB/ UCLB2 | 2.18 | 1.96 | 1.74 |
| 36 F 19327 | 50 C 5 | 1.53 | 1.38 | 1.22 |
| 36 F 19335 | 500 Ca | 1.20 | 1.08 | 96 |
| 36 F 19343 | 50EH5 | 1.78 | 1.63 | 1.42 |
| 36 F 19350 | 50FE5 | 2.23 | 2.01 | 1.78 |
| 36 F 19368 | 50FK5 | 1.10 | . 99 | . 88 |
| 36 F 21349 | 50GY7A | 4.95 | 4.46 | 3.96 |
| 36 F 19376 | 50HC6 | 1.78 | 1.60 | 1.42 |
| 36 F 19384 | 50HK6 | 1.08 | . 97 | . 86 |
| 36 F 19392 | 50 HNS | 1.38 | 1.24 | 1.10 |
| 36 F 21356 | 50176 | 3.75 | 3.38 | 3.00 |
| 36 F 13400 | 50L6GT | 2.23 | 2.01 | 1.78 |
| 36 F 19426 | 50Y6GT | 2.18 | 1.96 | 1.74 |
| 36 F 19442 | 53HK7 | 4.18 | 3.76 | 3.34 |
| 36 F 19459 | $605 \times 5$ | 1.48 | 1.33 | 1.18 |
| 36 F 19467 | 75 | 3.20 | 2.88 | 2.56 |


| Stock No. | Tube Type | $\begin{aligned} & \text { Net Es, } \\ & 1.9 \quad 10-49 \\ & \hline \end{aligned}$ |  | $\begin{aligned} & 50 \\ & \& U_{p} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 36 F 19475 | 80 | 2.40 | 2.16 | 1.92 |
| 36 F 19491 | 117L7/M7GT | 7.38 | 6.64 | 5.90 |
| 36 F 19509 | 117N7GT | 6.43 | 5.79 | 5.14 |
| 36 F 19525 | 11723 | 2.25 | 2.03 | 1.80 |
| 36 F 19541 | 5879 | 2.68 | 2.41 | 2.14 |
| 36 F 19558 | 6267 | 1.43 | 1.29 | 1.14 |
| 36 F 19566 | 6931 | 1.70 | 1.53 | 1.36 |
| 36 F 19574 | 6973 | 2.53 | 2.28 | 2.02 |
|  | 7025 USE | $\times 74$ | 25 |  |
| 36 F 19590 | 7027a | 3.73 | 3.36 | 2.98 |
| 36 F 19608 | 7189A | 1.93 | 1.74 | 1.54 |
| 36 F 19616 | 7199 | 2.45 | 2.21 | 1.96 |
| 36 F 19624 | 7247 | 2.03 | 1.83 | 1.62 |
| 36 F 19632 | 7355 | 1.83 | 1.65 | 1.46 |
| 36 F 19640 | 7408 | 1.68 | 1.51 | 1.34 |
| 36 F 19657 | 7543 | 1.63 | 1.47 | 1.30 |
| 36 F 19665 | 7581A/KT66 | 3.08 | 2.77 | 2.46 |
| 36 F 19673 | 7591A | 1.40 | 1.26 | 1.12 |
| 36 F 19681 | 7695 | 2.20 | 1.98 | 1.76 |
| 36 F 19699 | 7868 | 2.38 | 2.14 | 1.90 |
| 36 F 19715 | 8417 | 2.83 | 2.55 | 2.26 |
| 36 F 19723 | 8425A/6AU6A | 1.63 | 1.47 | 1.30 |
| 36 F 19731 | 8426a/12AU6 | 1.89 | 1.69 | 1.50 |

## Mulland HIGH FIDELITY TUBES

Premium quality tubes widely used by Hi-Fi Matched Pairs (Types Ending in MP) equipment manufacturers. Tube types are directly interchangeable with equivalent types listed. Imported from England. Shpg. wt., 1/2 lb.

Consists of 2 of the type, measured and tested to be within close folerance of each other to assure maximum balanced output. Wt. 1 lb .

| Stock No. Tube Type |  | Equiv. Type | Net |
| :---: | :---: | :---: | :---: |
| 36 F 53862 | EABC80 | 6AK8 | 1.65 |
| 36 F 53870 | E891 | 6AL5 | 1.35 |
| 36 F 53888 | EBC81 | 6B07a | 1.68 |
| 36 F 53896 | EBC91 | 6av6 | . 98 |
| 36 F 53904 | EBF89 | $60 \mathrm{C8}$ | 1.53 |
| 36 F 54530 | EC88 | 6014 | 3.98 |
| 36 F 53912 | EC92 | 6 AB4 | 1.80 |
| 36 F 54548 | ECsoo | 6HA5 | 1.93 |
| 36 F 53920 | EC97 | 6 FY 5 | 1.38 |
| 36 F 53938 | ECC89 | $12 \mathrm{TT7}$ | 1.60 |
| 36 F 53946 | ECC82 | 12AU7 | 1.38 |
| 36 F 53953 | ECC83 | $12 \mathrm{AX7}$ | 1.35 |
| 36 F 53961 | ECC85 | 6408 | 1.50 |
| 36 F 53979 | ECC88 | 6018 | 2.48 |
| 36 F 53987 | ECFPO | 6 BL 8 | 1.35 |
| 36 F 53995 | ECF 82 | 6 6 8 | 1.73 |
| 36 F 54555 | ECF801 | $6 \mathrm{E} / 7$ | 1.55 |
| 36 F 54019 | ECH81 | 64.8 | 1.40 |
| 36 F 54027 | ECL80 | 6488 | 1.85 |
| 36 F 54035 | ECL82 | $68 \mathrm{M8}$ | 1.45 |
| 36 F 54043 | ECL86 | 6GW8 | 1.53 |
| 36 F 54050 | EF80 | $68 \times 6$ | 1.53 |
| 36 F 54068 | EF85 | $68 Y 7$ | 1.68 |
| 36 F 54076 | EF86 | 6267 | 1.40 |
| 36 F 54084 | EF89 | 6046 | 1.43 |
| 36 F 54092 | EF93 | 6846 | 1.35 |
| 36 F 54100 | EF94 | 6a U6A | 1.33 |
| 36 F 54118 | EF95 | 6AK5 | 2.38 |


| Stock No. 7 | Uue Type | Equiv. Type | Net | Stock No. | use Type | Equiv. Type | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 F 54126 | EF183 | 6EH7 | 1.93 | 36 F 54654 | PCL85 | 186 Va | 2.33 |
| 36 F E4134 | EF184 | $6 E J 7$ | 1.78 | 36 F 54662 | PL36 | $25 E 5$ | 3.55 |
| 36 F 5142 | EK90 | GBE6 | 1.55 | 36 F 54670 | PY81 | 1723 | 2.20 |
| 36 F 54159 | El34 | 6 CA 7 | 2.68 | 36 F 54688 | PY88 | 30AE 3 | 1.68 |
| $36 \mathrm{~F} \leqslant 4175$ | ELB4 | 6805, N709 | 1.78 | 36 F 54316 | ${ }^{3} \mathrm{JCL} 82$ | 508 Mc | 2.18 |
| 36 F 54183 | EL86 | 6CW5 | 1.38 | 36 F 54324 | UF86 |  | 2.65 |
| 36 F 54191 | EL90 | 6AQ5A/5HG5 | 1.48 | 36 F 54332 | U184 | 4585 | 1.35 |
| 36 F 54209 | EL95 | 6015 | 1.48 | 36 F 54696 | XY88 |  | 1.35 |
| 36 F 54217 | EM34 | 6 CD 7 | 2.95 | 36 F 54357 | 7025A |  | 1.55 |
| 36 F 54225 | EM84 | 6F66 | 1.68 | 36 F 54365 | 7189A |  | 1.93 |
| 36 F 54233 | E280 | $6 V_{4}$ | . 80 | 36 F 54373 | 1247 | 120w7 | 2.06 |
| 36 F 54241 | E281 | 6CA4, U709 | 1.63 | MATCHED-PAIRS |  |  |  |
| 36 F 54258 | E290 | 6X4, 4707 5AR4, U77 17EW8 | 1.38 |  |  |  |  |
| 36 F 54266 | 6734 |  | 2.13 |  |  |  |  |
| 36 F 54274 | HCCAS |  | 1.38 | Stock No. Tube Type |  | Equiv. Type | Net |
| 36 F 54282 | K166 |  | 4.00 | 36 F 54381 | ECL82MP | 68M8MP | 3.40 |
| 36 F 54290 36 F 9308 | KT77 K188 |  | 4.48 6.55 | 36 F 54399 | ECLagMP | 6GWAMP | 3.63 |
| 36 F 54308 <br> 36 F <br> 1563 | LC900 | 3HA5 | 1.93 | 36 F 54407 | EL34MP | 6CA7MP 6B05MP | 5.93 4.25 |
| 36 F 54571 | LCFS01 | 5617 | 1.48 | 36 F 54423 | EL84MP | 6805MP 6CW5MP | 4.25 3.05 |
| 36 F 944889 | 1486 | 10 CW 5 | 1.28 1.63 | 36 F 544449 | EL90MP | 6 ADSMP | 3.18 |
| 36 F 94597 | LY88 | 20 AOS | 1.63 1.18 | 36 F 54456 | EL95MP | 6DL5MP | 3.88 |
| 36 F 54605 | PC900 | 9MA5 | 1.18 1.75 | 36 F 54464 | KTG6MP |  | 8.43 |
| 36 F 54613 36 F 54621 | PCC85 | $9 \mathrm{ARA8}$ | 1.75 1.33 | 36 F 54472 | KT77MP | - | 9.70 13.80 |
| 36 F 54621 36 F 54738 | PCFB01 | 8GJ7 | 1.45 | 36 F 54480 | KT88MP |  | 13.60 |
| 36 F 54639 | PCL82 | 16a 8 | 1.70 | 36 F 544988 | UCL 82 MP | 50BM 8 MP 4585 MP | 3.40 3.08 |
| 36 F 54647 | PCLE4 | 15008 | 1.70 | 36 F 54506 36 F 54514 | $7189 \mathrm{MP}$ | 4585 mP | 3.93 |

## MULLARD MASTER 10M SERIES

This selected series of Individualiy lab-tested tubes features tube to tube uniformity, section-to-section uniformity to the mos stringent soecifications. Hum, noise, microphonics and distortion kept to absolute minimum life to the maximum. Individual plastic

| S lack No. | 10M Type | Met | Stock No. | 10M Type | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 36F54704 | $6 \mathrm{CY5}$ | 4.00 | 36 F 53490 | EBCSO/GAT6 | 2.15 |
| 36 F 53276 | 6EU7 | 2.60 | 36 F 53508 | EBC91/6AV6 | 2.15 |
| 36 F 54712 | 6EV5 | 3.80 | 36 F 53516 | EBF89/60C8 | 2.95 |
| 36 F 53292 | 6GK5 | 2.65 | 36 F 53524 | EC90/6C4 | 3.15 |
| 36 F 53334 | 678A | 3.10 | 36 F 53532 | EC95/6ER5 | 2.65 |
| 36 F 54720 | 12BY7 | 2.75 | 36 F 53540 | EC97/6FY5 | 2.60 |
| 36 F 54522 | 5654/6AK5W | 4.50 | 36 F 53557 | ECC81/12AT7 | 2.85 |
| 36 F 53458 | 7025 | 2.60 | 36 F 53565 | ECC82/12AU7 | 2.45 |
| 36 F 53425 | 7247/120W7 | 2.85 | 36 F 53573 | ECC83/12AX7 | 2.45 |
| 36 F 53474 | EABC80/6AK8 | 3.05 | 36 F 53581 | ECCB5/6A08 | 2.65 |
| 36 F 53482 | EB91/6AL5 | 2.15 | 36 F 53599 | ECC88/60J8 | 3.45 |

foam cushion packing. Any tube falling to give 10,000 hours of effec. tive performance within 2 years from purchase may be returned for no charge replacement, Avg. shpg. wh. 5 oz .


This handy tube extractor is skillfully conrubber cushion on the prongs.

## TUBE AND <br> PARTS EXTRACTOR

13 F 61211

| Stock Nu. | 10m Type | Net |
| :---: | :---: | :---: |
| 36 F 53607 | ECC91/616 | 2.80 |
| 36 F 53615 | ECC189/6ES8 | 3.85 |
| 36 F 53623 | ECF80/6BL8 | 3.40 |
| 36 F 53631 | ECF86/6HG8 | 3.40 |
| 36 F 53649 | ECH81/6AIS | 2.92 |
| 36 F 53656 | ECL80/6AB8 | 3.05 |
| 36 F 53654 | ECL84/60x8 | 3.15 |
| 36 F 53672 | EF86/6267 | 2.75 |
| 36 F 53680 | EF89/60A6 | 2.80 |
| 36 F 53698 | EF93/6BA6 | 2.20 |
| 36553776 | EF94/6AU6 | 2.26 |


| Stoch Na. | 10M Type | Net |
| :---: | :--- | :---: |
| $36 F 53714$ | EF95/6AK5 | 3.60 |
| 36 F 53722 | EF183/GEH7 | 2.90 |
| $36 F 53730$ | EF184/6EJ7 | 2.90 |
| $36 F 53748$ | EK90/6BE6 | 2.30 |
| $36 F 53755$ | EL84/6BQ5 | 2.40 |
| $36 F 53763$ | EL90/6AQ5 | 2.40 |
| $36 F 53771$ | EL95/60L5 | 2.80 |
| $36 F 53789$ | HBC91/12AV6 | 2.15 |
| $36 F 53797$ | PCF80/9A8 | 3.60 |
| $36 F 53813$ | PL84/15CW5 | 2.75 |

## RECEIVING TUBE MANUAL

7C-27. The brand new edition of RCA's enormously popular RCA receiving tube manual. A big 672 pages long. the manual includes: complete technical data on all current tubes. Features tube theory written for the layman, applica. tlon information and a useful circuits section, Tuner, receiver, amplifier, intercom and other circuit diagrams, socket diagrams, tube dimension drawings, resistance-coupled amolifier daia. Shpg. Wt., 11/2 lbs.
10 F 47018

# Batteries-Burgess, Eveready, RCA, Mallory <br> <br> POPULAR 1.5 V . GENERAL PURPOSE AND 9 V . TRANSISTOR BATTERIES 

 <br> <br> POPULAR 1.5 V . GENERAL PURPOSE AND 9 V . TRANSISTOR BATTERIES}

The most popular 1.5 volt D, $C$, and $A A$ flashilight, general purpose batterles and 9 -volt transistor radio batteries. Available in: standard zinc-carbon; alkaline types featuring up to 10 times longer life;
mercury types characterized by excellent voltage stability through. out long operating life plus extremely long shelf life; rechargeable nickel-cadmium types which may be recharged hundreds' of times.

| Steck No. | Type | Chemical Composition | Eveready | Burgess | ACA | Mallery | Yolts | $\begin{aligned} & \text { Wt. } \\ & \text { oz. } \end{aligned}$ | Net |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 47491 | D | Carbon-Zinc | 950 | 2 | VS036 | M13F | 1.5 | 7.0 | Phg. of 2 | . 33 |
| 32 F 48846 | D | Altaline | E95 | AL2 | V\$1336 | MN1300 | 1.5 | 7.0 | Each | . 85 |
| 32 F 46568 | D | Mercury |  |  |  | RM42R | 1.35 | 8.0 | Each | 3.56 |
| 32 F 48895 | D | Nicad | CH4 | CD10 | - | - | 1.25 | 7.0 | Each | 8.47 |
| 32 F 47509 | C | Carbon-Zinc | 935 | 1 | VS035A | M14F | 1.5 | 5.0 | Pkg. of 2 | . 33 |
| 32 F 48879 | C | Alkaline | E93 | ALI | VS1335 | MN1400 | 1.5 | 2.0 | Each | . 52 |
| 32 F 48887 | C | Nicad | - | CD14 | - | (100 | 1.25 | 5.0 | Each | 3.74 |
| 32 F 47517 | AA | Carbon-Zinc | 915 | 2 | VS034A | M15F | 1.5 | 3.0 | Phg. of 2 | 26 |
| 32 F 47525 | AA | Alkaline | 691 | A19 | VS1334 | MN1500 | 1.5 | 4.0 | Phg. of 2 | . 79 |
| 32 F 46857 | AA | Mercury | E9 | $\mathrm{Hg}_{8}$ | VS9 | 7M9 | 1.4 | 4.0 | Pkg. of 2 | 1.32 |
| 32 F 47400 | AA | Nicad | C450 | CD6 | - | , | 1.25 | 3.0 | Each | 1.65 |
| 32 F 48077 | Radio | Carbon-Z3inc | 216 | 206 | VS323 | M1604 | 9.0 | 3.0 | Each | . 48 |
| 32 F 47533 | Radio | Alkaline |  |  | V\$1323 | MN1604 | 9.0 | 3.0 | Each | . 98 |
| 32 F 48774 | Radio | Mercury | E146X | H146X | VS146X | TR146X | 8.4 | 3.7 | Pkg, of 2 | 2.64 |



MALLORY DURACELL MERCURY BATTERIES
Types with T Suffix have solder tabs. "have snap connections. Shipping welght varles from 2 oz . to 10 oz . max.

| Stack No. | Type No. | Volts | Net Per Package |  |
| :---: | :---: | :---: | :---: | :---: |
| 32 F 46501 | RM1 | 1.4 | phg. of 2 | 1.24 |
| 32 F 48519 | RM1 $R$ | 1.35 | phg. of 2 | 1.64 |
| 32 F 46527 | RM3R | 1.35 | pkg. of 2 | 2.54 |
| 32 F 46535 | RM4R | 1.35 | pkg. of 2 | 3.24 |
| 32 F 46543 | RM4Z | 1.4 | pkg. of 2 | 2.14 |
| 32 F 46550 | RM12 | 1.4 | pkg. of 2 | 2.00 |
| 32 F 46568 | D) RM42R | 1.35 | Each | 3.56 |
| 32 F 46576 | RM312 | 1.4 | pkg. of 2 | . 48 |
| 32 F 46584 | RM400R | 1.35 | pkg. of 2 | 1.24 |
| 32 F 46592 | RM401 | 1.4 | pkg. of 2 | 1.24 |
| 37 F 46626 | RM520 | 1.4 | pkg. of 2 | 34 |
| 32 F 46634 | RM601R | 1.35 | pkg. of 2 | 2.28 |
| 32 F 46642 | RM625R | 1.35 | pkg. of 2 | 1.24 |
| 32 F 46859 | RM625RT | 1.35 | pkg. of 2 | 1.34 |
| 32 F 46667 | RM630 | 1.4 | pkg. of 2 | 1.00 |
| 32 F 46675 | RM640 | 1.4 | pkg, of 2 | . 98 |
| 32 F 46683 | RM675 | 1.4 | ptar. of 6 | 1.95 |
| 32 \% 46709 | TR115R | 6.75 | pkg. of 2 | 4.88 |
| 32 F 46717 | TR126 | 8.4 | pke. of 2 | 2.96 |
| 32 F 46725 | TR132R | 2.7 | pkg. of 2 | 2.54 |
| 32 F 46733 | TR133R | 4.05 | plg. of 2 | 3.24 |
| 32 F 46741 | TR134R | 5.4 | pleg. of 2 | 3.84 |
| 32 F 46758 | TR135R | 6.75 | pkg. of 2 | 4.56 |
| 32 F 46766 | TR136 | 8.4 | pkg. of 2 | 4.54 |
| 32 F 46774 | TR146X* | 8.4 | pkg. of 2 | 2.64 |
| 32 F 46782 | TR163 | 4.2 | pkg. of 2 | 3.24 |
| 32 F 46790 | TR164 | 5.6 | pkg. of 2 | 2.96 |
| 32 F 46808 | TR165 | 7.0 | pkg. of 2 | 3.84 |
| 32 F 46816 | TR169 | 12.6 | Each | 3.40 |
| 32 F 46a24 | TR175 | 7.0 | pkg. of 2 | 2.54 |
| 32 F 46032 | TR177* | 9.8 | pkg. of 2 | 2.96 |
| 32 F 46840 | TR233 | 4.2 | plag. of 2 | 5.20 |
| 32 F 46857 | (4a) 2 M 9 | 1.4 | pkg. of 2 | 1.32 |
| 32 F 46865 | 2M12 | 1.4 | pkg. of 2 | 2.30 |
| 32 F 468.73 | PX-1 | 1.35 | Each | . 65 |
| 32 F 46881 | Px13 | 1.35 | pkg. of 2 | 1.24 |
| 32 F 46964 | P $\times 23$ | 5.6 | pkg. of 4 | 2.48 |
| 32 F 46923 | PX29 | 4.05 | pkg | 2.58 |

SILVER OXIDE BATTERIES

| 32 F 46956 | MS13 | 1.5 | pkg. of 6 | 1.80 |
| :--- | :--- | :--- | :--- | :--- |
| 32 F 46931 | MS41 | 1.5 | pkg. of 6 | 1.80 |
| 32 F 46949 | MS76 | 1.5 | pkg. of 6 | 2.34 | RECORDER BATTERIES

## Burgess

| Stock Mo. | тype | Yolts Shpe. Wt | Net |
| :---: | :---: | :---: | :---: |
| 32 F 39035 | $2 \times 7$ | 101/2 1/2 lb. | 4.00 |
| 32 $\% 39050$ | 2 7 8 | 12 1/2 18. | 2.00 |
| BATTERY CLIPS |  |  |  |
| Avg. Shog. Weight 202 stock No. Fis. |  | 2. For Burgess | Net E ${ }^{\text {a }}$, |
| 34 F 10016 | A | P6, 05, P6M. M6. $\times \times 45, \times \times 30, \times \times 50$ | . 07 |
| 34510024 | B | K45, P45, P45M, P60, D6, 404, N60X. C6X | . 07 |
| 99 F 62:79** | - C | 2U6, U30, 2N6 | . 29 |
| 99 F 62887* |  | same, pkg. of 5 | . 69 |
| 31510040 | D | XX50. P45, P60, NGOX | . 27 |

$188)^{2}-7$.

| Lafayette <br> Stock No. | $\begin{aligned} & \text { "Eve- } \\ & \text { ready" } \end{aligned}$ | $\begin{aligned} & \text { Bur- } \\ & \text { gess } \end{aligned}$ | R.C.A. | Mallory | Vollt. age | Wt. Lbs. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 48192 ( ${ }^{\text {b }}$ | 1050 | 230 | VS336 | M13R | 1.5 | $1 / 4$ | 23 |
| 32 F 47012 (C) | 1035 | 130 | VS335 | M14R | 1.5 | 1/4 | 23 |
| 32 F 47020 (AA) | 1015 | 930 | VS334 | M15R | 1.5 | $\%_{6}$ | . 155 |
| 32 F 47038 | 243 |  | VS324 |  | 41/2 | 3/0 | 1.50 |
| 32 F 48077 | 216 | 2U6 | VS323 | M1604 | 9.0 | \% | . 48 |
| 32 F 47046 | 246 | 2N6 | VS305 | M1602 | 9.0 | 3/8 | 1.50 |
| 32 F 46986 | 266 | M6 | V 3322 | M1605 | 9.0 | $\%$ | 1.36 |
| 32 F 47053 | 276 | D6 | VS306 | M1603 | 9.0 | 1 | 1.67 |
| 32 F 47061 | 2506 | D6P1 | VS301 | - | 9.0 | $13 / 4$ | 4.20 |
| 32 F 47079 | 239 | XX9 | V $\$ 304$ | - | 131/2 | 1/4 | 2.15 |
| 32 F 47087 | 2731 N |  | V 5337 | - | 41/2 | 2 | 3.30 |
| 32 F 47095 | 2356 N | C6X | VS330 | - | 9.0 | 1 | 1.97 |
| 32 F 47103 | 2709N |  | V 5339 | - | 9 | 3/4 | 1.30 |
| 32 F 47129 | 226 | P6 | V5300A | M1600 | 9 | $1 / 4$ | . 68 |
| 32 F 49903 | 333 |  | VS332 |  | 412 | ${ }^{*}$ | . 68 |
| 32 F 48911 | 222 | 2MN6 | - | - | 9 | 1/4 | 65 |

## INDUSTRIAL BATTERY TYPES

| 32 F 39019 | 711 | 2f H | VS101 | 11/2 | 1/4 | 1.04 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 47137 | W356 | 2F2H | VS136 | 3 | $11 / 2$ | 2.51 |
| 32 F 47160 | 750 | 422 | VS134 | 3 | 1/2 | 1.00 |
| 32 F 47178 | 703 | 532 | VS346 | 41/2 | 3/8 | 1.63 |
| 32 F 47202 | 781 | 5360 | V 028 | 41/2 | 3/9 | 1.51 |
| 32 F 47228 | 773 | 5540 | V 0229 | 71/2 | $1 / 2$ | 2.17 |
| 32 F 47236 | 763 | 4156 | VS102 | 221/2 | 1 | 1.61 |
| 32 F 47244 | 778 | 5156 SC | VS131 | 221/2 | $13 / 4$ | 4.63 |
| 32 F 47251 | W350 | 230NX | V 5114 | $221 / 2.45$ | $13 / 4$ | 2.69 |
| 32 F 47293 | 762 S | 5308 | vS112 | 45 | $33 / 4$ | 3.05 |

## FLASHLIGHT \& LANTERN BATTERIES

| 32 F 48655 | 912 | 7 | VS074 | 11/2 | 14 | 13 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 47517 (AA) | 915 | 2 | VS034A | $11 / 2$ | 1/4 | 2 for 26 |
| 32 F 47509 (C) | 935 | 1 | VS035A | $11 / 2$ | $3 / 8$ | 2 for . 33 |
| 32 F 47491 (D) | 950 | 2 | VS036 | $11 / 2$ | 1/2 | 2 for . 33 |
| 32 F 48663 | D. 99 |  | - | $11 / 2$ | 3/8 | . 22 |
| 32 F 48671 | 735 | F4M | V\$106 | 11/2 | $11 / 2$ | . 99 |
| 32 F 48689 | \% 6 lgn. | 6 lgn. | VS006S | 1218 | 23/8 | 1.05 |
| 32 F 48697 | 509 | F4H | VSO40C | 6 | $15 / 8$ | 1.13 |
| 32 F 48184 | 510 S | F48P | vs040s | 6 | 13/4 | 1.13 |
| 32 F 48705 | 731 | TW1 | VS317 | 6 | $34 / 4$ | 2.30 |
| 32 F 48713 | 706 | 4F4M | VS103 | 6 | $63 / 4$ | 3.98 |
| 32 F 48739 | 716 | $4 \mathrm{F6H}$ | VS140 | 9 | 101/4 | 5.53 |
| 32 F 48754 | 904 | NE | VS073 | 11/2 | 1/4 | 10 |
| 32 F 46788 | 715 | 4F5H | V 5139 | $71 / 2$ | $81 / 4$ | 4.86 |
| 32 F 39068 | - | 246 | - | 69 | 31/8 | 2.93 |

## MANGANESE ALKALINE BATTERIES

Up to 10 times longer life. Do not require rest period, operate with same efficlency in continuous or intermittent service.

| Stock No. $\begin{gathered}\text { Eve- } \\ \text { ready }\end{gathered}$ | Mallory | $\begin{gathered} \text { Bur. } \\ \text { R.C.A. gess } \end{gathered}$ | Voltage | $\begin{array}{cc} \text { Shpg. } & \text { No. } \\ \text { Wt. } & \text { Per } \\ \text { 02. } & \text { Pkg. } \end{array}$ | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 46972 | PX. 825 |  | 1.5 | 42 | . 83 |
| 32 F 48846 ( D$) \mathrm{E} 95$ | MN1300 | VS1336 AL2 | 1.5 | 71 | 65 |
| 32 F 47525 (AA) E91 | MN1500 | VS1334 AL9 | 1.5 | 42 | 79 |
| $32 \mathrm{~F} 48879(\mathrm{C}) \quad 593$ | MN1400 | V $\$ 1335 \mathrm{AL} 1$ | 1.5 |  | 52 |
| $32 \mathrm{~F} 47541 \mathrm{E90}$ | MN9100 | VS1073 ALN | 1.5 | 22 | 66 |
| 32 F 48937 E92 | MN2400 | VS1074 AL7 | 1.5 | 21 | 39 |
| $32 \mathrm{~F} 46451 \quad 523$ | MN1306 | V 51149 AL133 | 34.5 |  | 1.14 |
| 32 F 47426563 |  | V\$1563 | 4.5 | 21 | 3.00 |
| $32 \mathrm{~F} 48747 \quad 560$ |  | VS1560 | 7.5 | 21 | 5.29 |
| 32 F 47434564 |  | VS1564 | 13.5 | 71 | 10.99 |
| 32 F 47533 | MN1604 | VS1323 | 9.0 | 31 | . 98 |
| KEYSTONE BATTERY |  |  |  |  |  |
| Battery Holders are made of Aluminum Alloy, sturdy construction whith insulated, nickel plated Brass eyelets. All multiple holders mount batteries side by side except items marked *mount end to end. Av. shpg. wt., 3 ors. |  |  |  |  |  |
| Stock No. Holds B | rgess | veready | WCA | Mall | . |
| $\begin{array}{ll} 34 \text { F } 50012 & 1 \\ 34 \text { F } 50020 & 2 \\ 34 \text { F } 50038 & 3 \end{array}$ | 7. AL7 | 912, E92 | $\begin{aligned} & \text { VS074 } \\ & \text { VS1074 } \end{aligned}$ | MN2400 | . 25 |
| 34 F 50053 <br> 34 F 50061 <br> 34 2 <br> 34 50087 <br> 34 50095 | 2. 9 R, <br> Y15 <br> CD6 | E9. E12. <br> E133. E502 <br> 505, 915 <br> 1015E, C450 | $\begin{aligned} & \text { VS034 } \\ & \text { VS9 } \end{aligned}$ | $\begin{aligned} & \text { TR133R, } \\ & \text { ZM.9 } \\ & \text { TR233R } \end{aligned}$ | .25 <br> .40 <br> .55 <br> .70 |
| $\left.\begin{array}{ll} \hline 34 F 50103 & 1 \\ 34 F 50111 & 2 \end{array}\right\}$ | $\text { AL. } 2$ | 935, E93 $\mathrm{CHI} .5$ | V035 | MN1300 | . 33 |
| $\left.\begin{array}{ll}34 F 50137 & 1 \\ 34 F 50145 & 2 \\ 34 F 50152 * & 2\end{array}\right\}$ | $\begin{aligned} & 2.0 \\ & 24 \\ & \text { CD10 } \end{aligned}$ |  | $V \$ 1336$ | RM42R | .33 .40 .51 |

POPULAR SIZES AT POPULAR PRICES
Popular top-rated batteries constructed to Lafayette's rigid speciications. For transistor sets, flashlights, toys, and other portable power applications. "9V transistor battery with a snap at each end. imported.

## STANDARD BATTERIES

| Stock No. | Voltage | Net | Lots of 10 | $\begin{aligned} & \text { Fig- } \\ & \text { ure } \end{aligned}$ | RCA |  | Eveready | Shps. wt. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 F 62564 | 11/2(D) | . 15 | 1.20 | ${ }^{\mu}$ | VS036 | $?$ | 950 | 502. ea. |
| 99 F 62572 | 11/2(C) | . 14 | 1.20 | 8 | V5035 | 1 | 935 | 402 ea. |
| 99 F 62580 | 11/2(AA) | . 10 | . 69 | C | VS034 | 2 | 915 | 302, ea. |
| 99 F 60220** | 9 | . 34 | 2.90 | D | $\begin{aligned} & \text { V } \$ 300 \mathrm{~A} \\ & \text { V } \$ 314 \end{aligned}$ | P6 P6M | 226 | 302 ea. |
| EXTRA LONG LIFE BATTERIES |  |  |  |  |  |  |  |  |
| Lafayette's extra long life batteries reduce the frequency of necessary replacement. They use a special chemical formulation which provides more than $50 \%$ longer useful life without either diminishing their sheif life or increasing battery weight. |  |  |  |  |  |  |  |  |



## NICKEL CADMIUM BATTERY

32 F $47400 \quad 11 / 4(\mathrm{AA}) \quad$ Ea. $1.65 \quad \mathrm{~F}$ - CD6 C450 1 oz.
STANDARD 9-VOLT TRANSISTOR BATTERY
Replaces RCA VS323, Burgess 2U6, Eveready 216, Zenith
2216, Ray-0.Vac 1604, NEDA 1604. I mported.
99 F 60212 Shpg. wt., 3 oz.
99 F 62796 Package of 2
99 F 63844 M 5 Packages of 2
Net Per Pkg. $\quad .40$
EXTRA LONG LIFE 9 VOLT BATTERY
As above, but provides more than $50 \%$ longer useful fife.
99 F 63729 Singly 40
10 for 3.20
"STORAGE CELL" for TRANSISTOR RADIOS
ONE CHARGEABLE BATTERY
OUTLASTS DOZENS OF
CONVENTIONAL BATTERIES

- Replaces 2U6, 216, and BL-006P
- Fluid Storage Type
- Plays About 15 Hours on One Charging
- Battery Recharges Ovemight
- Complete-Battery Plus Charger
$9 y$ Battery complete with charger. Battery $17 / 8 \times 15 / 0^{\prime \prime}$; charger $33 / 8 x$ $11 / 4 \times 7 / 8{ }^{2 m}$ Imported. Shpg. wt., 6 oz . 99 F 90169 Battery and Charger
99 F 60261 Battery Replacement for above
Net 1.49


## MALLORY EMERGENCY RESERVE DURACELL ALKALINE BATTERY

## - 10 Year Emergency D Cell

These unique $D$ size batteries hold their full power in reserve until activated, even 10 years from now. Ideal emergency power for auto, home, boat, schools, industry, etc. Easily activated by removal of clip which provides a brand new alkaline D cell. Shpg. wt., 10 oz . 32 F 46980 Pkg. of 2

# Battery Eliminators-Chargers 

## LAFAYETTE MULTI-PURPOSE BATTERY CHARGER

- Recharge All Popular Batteries-Transistor, AA Penlight, C And D Cells 295 . Up to 3 At One Time! - Just Plug.In And Use

Designed to charge regular carbon zinc, nichel cadmium and aikaline batteries. Charges up to 3 balteries 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 9 V ., fransistor radio batteries. Red light indicates charger is operating. For 110 120 volis $50 / 60 \mathrm{~Hz} \mathrm{AC}$. Imported. Shpg. wi., H/4 ib. 99 F 92058

Net 2.95


Recharge from one to five batterles at one time. Safety is assured since charger is in operation only when lid is closed. Plugs into standard $110-120$ volt, 60 Hz AC outlet. Imported. 34 F 24017 Shpg. wt., $1 \mathrm{lb} ., 5 \mathrm{oz}$.

Net 3.95


- 2 D Type Batteries Included
- Recharges Batteries Overnight.
- For Flashlights, Transistor Radios, Toys . $\qquad$ Recharges any type $D$ battery overnight. No longer must toys, transistor radios and flashlights be without "live" batteries. White plastic case with 2 rechargeable type D batteries. Replaces V 5036 , VSO36, 2. 950 etc. Imported. Shpg. wt., $13 / 4 \mathrm{ibs}$.
99 F 91001 Charger and 2 Batteries
Net 2.85


## NICKEL CADMIUM BATTERY CHARGER



- Charges Two or Four Penlight (AA) Batteries At A Time


Take advantage of the extremely long life of nickel-cadmium batteries. Two or four can be fully charged within sixteen hours. No chance of overcharge. Simple operation from any 117 VAC source. Indicator light proects against incorrect insertion of batteries. Size: $23 / 4 \times 33 / 4 x^{N}$. 99 F 91803 Shpg. wt., 3/4 lb. Imported. Batteries for above.
32 F 47400
ea. 1.65
CHART CHARGE NICKEL-CADMIUM


## BATTERY CHARGER

- Charges 1 to 10 Cells in Series Up to 250 MA

Meets the demands of Nickel-cadmium cells in industrial and hobby use. Continuously variable from 10 to 250 MA to charge 1 to 10 celis in series. Use of isolation transformer eliminates shock hazard. Full wave silicon diode rectufication. No meter is required for accurate calibration. Pilot light on-off indicator, UL Iisted. Cord. $61 / 437 / 42^{2}$. Shpg. wt. 2 lbs.
34 F 41011

# Resistors and Resistor Assortments 

## FIXED COMPOSITION RESISTORS

Moulded carbon resistors in $1 / 8$ to 2 watt ratings, $5 \%$ \& $10 \%$ tolerance. Made by leading American manufacturers such as Alien Bradley and IRC to high industry standards. Moulded bodies are in. sulated 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. "indicates avail. able only in $1 / 2$ watt size.


## HOW TO ORDER

Specify Stock Number from the price line, code number and ohmmage from the tolerance chart.

EXAMPLE: For a $1 / 3$ watt, $3900 \mathrm{ohm} 10 \%$ resistor; order as 52 F 3087 , 3900 ohms. For the same resistor with $5 \%$ tolerance; order as 52 F 8087 , 3900 ohms.

10\% RESISTORS - SELECT FROM CHART BELOW


CHART OF AVAILABLE 10\% RESISTORS AND ORDERING CODE

| Ohms | Code | Ohms | Code | Ohms | Code | Ohms | Cade | Oth.ns | Code | Ohms | Code | Megs | Code |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.0* | 001 | 10 | 025 | 120 | 051 | 1500 | 077 | 18K | 103 | 220K | 129 | 2.2 | 153 |
| 1.2* | 003 | 12 | 027 | 150 | 053 | 1800 | 079 | 22K | 105 | 270K | 131 | 2.7 | 155 |
| 1.5* | 005 | 15 | 029 | 180 | 055 | 2200 | 081 | 27K | 107 | 330 K | 133 | 3.3 | 157 |
| 1.8* | 007 | 18 | 031 | 220 | 057 | 2700 | 013 | 33K | 109 | 390K | 135 | 3.9 | 159 |
| $2.2 *$ | 009 | 22 | 033 | 270 | 059 | 3300 | 085 | 39K | 111 | 470K | 137 | 4.7 | 111 |
| 2.7 | 011 | 27 | 035 | 330 | 061 | 3900 | 087 | 47K | 113 | 560K | 139 | 5.6 | 163 |
| 3.3 | 013 | 33 | 037 | 390 | 063 | 4700 | 089 | 56K | 115 | 680K | 141 | 6.8 | 165 |
| 3.9 | 015 | 39 | 039 | 470 | 065 | 5600 | $0 \cdot 1$ | 68K | 117 | 820K | 143 | 8.2 | 187 |
| 4.7 | 017 | 47 | 041 | 560 | 067 | 6800 | 093 | 82K | 119 | Megs | Code | 10 | 169 |
| 5.6 | 019 | 56 | 047 | 680 | 069 | 8200 | 095 | 100K | 121 | 1.0 | 745 | 12 | 171 |
| 6.8 | 021 | 68 | 045 | 820 | 071 | 10K | 097 | 120K | 123 | 1.2 | 147 | 15 | 173 |
| 8.2 | 023 | 82 | 047 | 1000 | 073 | 12K | 099 | 150K | 125 | 1.5 | 149 | 18 | 175 |
|  |  | 100 | 049 | 1200 | 075 | 15K | 101 | 180K | 127 | 1.8 | 151 | 22 | 177 |

5\% RESISTORS - SELECT FROM CHART BELOW Not Each Not Each Net Each

|  |  |  | mat be assori |  |  | ASST.MMM. 100 PEA VI |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | ${ }_{290}^{100}$ | 480 |  |  |
|  |  | $\begin{aligned} & 510 \\ & 510 \\ & 50 \end{aligned}$ |  | $\left\|\begin{array}{\|c\|} 30 \\ 30 \end{array}\right\|$ | $\begin{aligned} & 124 \\ & 12 \end{aligned}$ |  | :of |  |  |

CHART OF AVAILABLE 5\% RESISTORS AND ORDERING CODE

| Ohms | Code | Ohms | Code | Ohms | Cede | Ohms | Code | Ohms | Code | Ohms | Colle | Megs |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.0* | 001 | 11 | 028 | 120 | 051 | 1300 | 076 | 15K | 101 | 180K | 117 | 2.0 | 152 |
| 1.1* | 002 | 12 | 027 | 130 | 052 | 1500 | 071 | 16K | 102 | 200K | 128 | 2.2 | 153 |
| 1.2* | 003 | 13 | 028 | 150 | 053 | 1600 | 07 | 18K | 103 | 220K | 125 | 2.4 | 154 |
| 1.3* | 004 | 15 | 029 | 160 | 054 | 1800 | 075 | 20K | 104 | 240 K | 130 | 2.7 | 155 |
| 1.5* | 005 | 16 | 030 | 180 | 055 | 2000 | 080 | 22K | Ins | 270K | 131 | 3.0 | 156 |
| 1.6 | 006 | 18 | 031 | 200 | 055 | 2200 | $0 \cdot 1$ | 24K | 106 | 300K | 132 | 3.3 | 157 |
| 1.8* | 007 | 20 | 032 | 220 | 057 | 2400 | 082 | 27K | 107 | 330K | 133 | 3.6 | 158 |
| 2.0* | 008 | 22 | 033 | 240 | 058 | 2700 | 083 | 30K | 108 | 360K | 134 | 3.9 | 159 |
| 2.2 * | 009 | 24 | 034 | 270 | 059 | 3000 | 004 | 33K | 109 | 390K | 135 | 4.3 | 160 |
| $2.4 *$ | 010 | 27 | 035 | 300 | 060 | 3300 | 085 | 36K | 110 | 430K | 136 | 4.7 | 161 |
| 2.7 | 011 | 30 | 036 | 330 | 051 | 3600 | 086 | 39* | 111 | 470K | 137 | 5.1 | 162 |
| 3.0 | 012 | 33 | 037 | 360 | 062 | 3900 | 087 | 43x | 112 | 510K | 138 | 5.6 | 153 |
| 3.3 | 013 | 36 | 038 | 390 | 063 | 4300 | 088 | 47K | 113 | 560k | 139 | 6.2 | 184 |
| 3.6 | 014 | 39 | 039 | 430 | 064 | 4700 | 089 | 51 K | 114 | 620K | 140 | 6.8 | 165 |
| 3.9 | 015 | 43 | 040 | 470 | 055 | 5100 | 090 | 56K | 115 | 680K | 141 | 7.5 | 166 |
| 4.3 | 016 | 47 | 041 | 510 | 066 | 5600 | 091 | 62K | 116 | 750K | 142 | 8.2 | 167 |
| 4.7 | 017 | 51 | 042 | 550 | 067 | 6200 | 092 | 68K | 117 | 820K | 143 | 9.1 | 168 |
| 5.1 | 018 | 56 | 043 | 620 | 068 | 6800 | 033 | 75K | 118 | 910K | 144 | 10 | 169 |
| 5.6 | 018 | 62 | 044 | 680 | 069 | 7500 | 094 | 82K | 119 | Mers | Code | 11 | 170 |
| 6.2 | 020 | 68 | 045 | 750 | 070 | 8200 | 035 | 91K | 120 | 1.0 | 145 | 12 | 171 |
| 6.8 | 021 | 75 | 046 | 820 | 071 | 9100 | 096 | 100K | 121 | 1.1 | 146 | 13 | 172 |
| 7.5 | 022 | 82 | 047 | 910 | 072 | 10K | 097 | 110K | 122 | 1.2 | 147 | 15 | 173 |
| 8.2 | 023 | 91 | 048 | 1000 | 073 | 11K | 038 | 120K | 123 | 1.3 | 148 | 16 | 174 |
| 9.1 | 024 | 100 | 049 | 1100 | 074 | 12K | 039 | 130K | 124 | 1.5 | 149 | 18 | 175 |
| 10 | 025 | 110 | 050 | 1200 | 075 | 13K | 100 | 150K | 125 | 1.6 | 150 | 20 | 176 |
|  |  |  |  |  |  |  |  | 160K | 126 | 1.8 | 151 | 22 | 177 |

MOST POPULAR KIT OF 100
RESISTORS $1 / 2$ WATT- $10 \%$

Only
$2^{98}$

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: $1 \mathrm{meg}, .47 \mathrm{meg}, 1 \mathrm{meg}$. Dlus 20 other pop uiar values. Shpg. wt., 402.
32 F 99047
Net 2.98
$1 / 281$ WATT ASSORTMENT 98
A value packed assortment of carbon resistors. Kit of 100 resistors consists of 75 1/2watt 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. 6 ol
32 F 6000 ?
Net 1.98

## 1 WATT KIT

Contains 2 each of the Sellected Values values: $22-39-68-82-330-390+470$ values: $22-39-60-82-3000-47007500-$
$750-1500-3000$ $8200-12 \mathrm{~K} \cdot 22 \mathrm{~K}-68 \mathrm{~K} \cdot 120 \mathrm{~K}-180 \mathrm{~K}$. $200 \mathrm{~K}-330 \mathrm{~K}-390 \mathrm{~K}-560 \mathrm{~K}-820 \mathrm{~K}-3.3 \mathrm{Meg}$. 32 F 50049 . Shpg. wt., $502 . \quad$ Net 1.98

## 1/4 WATT KIT

100 plece kit of $1 / 4$ watt carbon resistors. Assortment of 33 selected values. Body size approx. $2 / \alpha^{\prime \prime}$ long $x x_{3}^{\prime \prime}$ dia. Alt $+10 \%$ tolerance. Shps. wt., 302.

## 32 F 60031

Net 1.98

| $1 / 10$ WATT CARBON FILM |
| :--- |
| RESISTORS |

- 100 Piece kit only

A fine selection of 100 miniature $1 / 10$-watt resistors. Especially useful where high resistance to heat. humidity and shock is lm portant. Body size: $28^{\circ \prime}$ Long a $.08^{\prime \prime}$ Dia. Imported. Shog. wt., 302.
32 F99039
Net 1.98
OHMITE OHM'S LAWCALCULATOR


Solves Ohm's Law proplems with Just one setting of the slide. Has parallel resistance computing scales. Covers range from 0.01 ohm to 100 megohms. Current scate in amperes and milliamperes. Handy pocket size $9 \times 3^{\prime \prime}$. Shpg. wt., $20 z$.
34 F 63023
Net .25


Prices and Specifications are Snbiect to Change Withont Notice

33 F 45435 Shpg. wt., 2 oz. ...... Net ea. 20

# Power Resistors-Variable Transformers 

IRC PW- 10 POWER RESISTORS
10 Watt wire wound resistors with axial leads. Rectangular ceramic body. $10 \%$ tolerance. Body size $17 \mathbf{R}^{*}$ Long x $3 / 8^{\prime \prime}$ square.

| Stock No. | Ohms | Stock No. | Ohms | Stock No. | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 46004 | 1 | 33 F 46202 | 300 | 33 F 46392 | 3300 |
| 33 F 46012 | 2 | 33 F 46210 | 350 | 33 F 46400 | 3500 |
| 33 F 46020 | 3 | 33 F 46228 | 400 | 33 F 46418 | 3900 |
| 33 F 46038 | 4 | 33 F 46236 | 500 | 33 F 46425 | 4000 |
| 33 F 46046 | 5 | 33 F 96244 | 600 | 33 F 46434 | 4500 |
| 33 F 46053 | 7.5 | 33 F 46251 | 700 | 33 F 46442 | 5000 |
| 33 F 46061 | 10 | 33 F 46269 | 750 | 33 F 46459 | 6000 |
| 33 F 46079 | 15 | 33 F 46277 | 800 | 33 F 46467 | 7000 |
| 33 F 46087 | 20 | 33 F 46285 | 820 | 33 F 46475 | 7500 |
| 33 F 46095 | 25 | 33 F 46293 | 900 | 33 F 46483 | 8000 |
| 33 F 46103 | 30 | 33 F 46301 | 1000 | 33 F 46491 | 8200 |
| 33 F 46111 | 40 | 33 F 46319 | 1200 | 33 F 46509 | 8500 |
| 33 F 46129 | 50 | 33 F 46327 | 1250 | 33 F 46517 | 9000 |
| 33 F 46137 | 75 | 33 F 46335 | 1500 | 33 F 46525 | 10K |
| 33 F 46145 | 100 | 33 F 46343 | 1750 | 33 F 46533 | 12K |
| 33 F 46152 | 120 | 33 F 46350 | 2000 | 33 F 46541 | 12.5K |
| 33 F 46160 | 125 | 33 F 46368 | 2250 | 33 F 46558 | 15K |
| 33 F 46178 | 150 | 33 F 46376 | 2500 | 33 F 46566 | 20 K |
| 33 F 46186 | 200 | 33 F 46384 | 3000 | 33 F 46574 | 25K |
| 33 F 46194 | 250 | 1.99 Assorted ......... Net ea. . 36 |  |  |  |
| Shipping wt | 2 oz . |  |  |  |  |

## MALLORY FIXED POWER RESISTORS

Finest quality wirewounds on ceramic cores with vitreous enamel covering. Glve full wattage dlssipation. Tolerance $\pm 5 \%$ on all values above 10 -ohms, other $\pm 10 \%$. All types have lug terminals and mounting feet. Lugs and leads are firmly embedded. Size: 7/16" dia, $\times 2^{\prime \prime}$ long. Shpg. wt., 3 oz .

TYPE 2.5HJ-25 WATT FIXED

| Stock No. | Ohms | $\begin{gathered} \text { Net } \\ \text { - }-9 \end{gathered}$ | Ea. $10.24$ | Stock Mo. | Ohms |  | $\begin{aligned} & \text { Ea. } \\ & 10-24 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 F 53683 | 1 | . 65 | . 55 | 30 F 53840 | 1000 | . 65 | . 55 |
| 30 F 53691 | 2 | . 65 | . 55 | 30 F 53857 | 1500 | . 65 | . 55 |
| 30 F 53709 | 3 | . 65 | . 55 | 30 F 53865 | 2000 | . 68 | . 58 |
| 30 F 53717 | 5 | . 65 | . 55 | 30 F 53873 | 2500 | . 68 | . 58 |
| 30 F 53725 | 7.5 | . 65 | . 55 | 30 F 53899 | 3500 | . 78 | . 66 |
| 30 F 53733 | 10 | . 65 | . 55 | 30 F 53915 | 5000 | . 78 | . 66 |
| 30 F 53741 | 15 | . 65 | . 55 | 30 F 53949 | 10K | . 78 | . 66 |
| 30 F 53758 | 25 | . 65 | . 55 | 30 F 53956 | 12.5K | . 81 | . 69 |
| -30 F 53766 | 50 | . 65 | . 55 | 30 F 53964 | 15K | . 81 | . 69 |
| 30 F 53782 | 100 | . 65 | . 55 | 30 F 53972 | 20K | . 81 | . 69 |
| 30 F 53808 | 200 | . 65 | . 55 | 30 F 53980 | 25K | . 81 | . 69 |
| 30 F 53816 | 250 | . 65 | . 55 | 30 F 54004 | 40K | . 94 | . 80 |
| 30 F 53824 | 500 | . 65 | . 55 | 30 F 54012 | 50K | 1.09 | . 93 |
| 30 F 53832 | 750 | . 65 | . 55 | 30 E 54038 | 100K | 1.47 | 1.25 |

MALLORY ADJUSTABLE POWER RESISTORS


Same fine quality and construction as the fixed types, but with an exposed secfion of winding to provide tapping-off or resistance values from 0 to the max value of the resistor. All with lug terminals, tolerance $\pm 10 \%$, each supplied with 2 mfg . feet and one adjustable clip. Type $2 A V$ $9 / 16^{\prime \prime}$ dia. x $2^{\prime \prime}$ long, wt., 3 02. Type $5 A V 9 / 16^{*}$ dia. x $4^{\prime \prime}$ long, wt. 4 oz. Type loAV $3 / 4^{\prime \prime}$ dia, $x 61 / z^{\prime \prime}$ long, wt., 7 oz.

## TYPE 2AV-25 WATT ADJUSTABLE

| Stock No. | Ohms | Net Ea. $1.9 \quad 10.24$ |  | Stock No. | Ohms | $\begin{gathered} \text { Net Ea. } \\ 1.9 \quad 10.24 \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 F 43148 | 1 | 1.16 | . 99 | 30 F 43288 | 50 | 1.16 | 99 |
| 30 F 43155 | 3 | 1.16 | . 99 | 30 F 43304 | 1000 | 1.16 | 99 |
| 30 F 43163 | 5 | 1.16 | . 99 | 30 F 43320 | 1500 | 1.19 | 1.01 |
| 30 F 43171 | 10 | 1.16 | . 99 | 30 F 43338 | 2000 | 1.19 | 1.01 |
| 30 F 43189 | 15 | 1.16 | . 99 | 30 F 43346 | 2500 | 1.19 | 1.01 |
| 30 F 43197 | 25 | 1.16 | . 99 | 30 F 43387 | 5000 | 1.19 | 1.01 |
| 30 F 43205 | 50 | 1.16 | . 99 | 30 F 43395 | 6000 | 1.28 | 1.09 |
| 30 F 43221 | 100 | 1.16 | . 99 | 30 F 43403 | 7500 | 1.28 | 1.09 |
| 30 F 43239 | 150 | 1.16 | . 99 | 30 F 43411 | 10K | 1.28 | 1.09 |
| 30 F 43247 | 200 | 1.16 | . 99 | 30 F 43429 | 12K | 1.32 | 1.12 |
| 30 F 43254 | 250 | 1.16 | . 99 | 30 F 43437 | 15K | 1.32 | 1.12 |
| 30 F 43262 | 300 | 1.16 | . 99 | 30 F 43445 | 20K | 1.32 | 1.12 |
| 30 F 43270 | 400 | 1.16 | . 99 | 30 F 43452 | 25K | 1.45 | 1.23 |

TYPE 5AV-50 WATT ADJUSTABLE

| 30 F 43460 | 1 | 1.51 | 1.28 | 30 F 43585 | 500 | 1.51 | 1.28 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 F 43478 | 2 | 1.51 | 1.28 | 30 F 43601 | 1000 | 1.51 | 1.28 |
| 30FF 43486 | 5 | 1.51 | 1.28 | 30 F 43619 | 1500 | 1.54 | 1.31 |
| 30 F 43494 | 10 | 1.51 | 1.28 | 30 F 43635 | 2500 | 1.54 | 1.31 |
| 30 F 43502 | 25 | 1.51 | 1.28 | 30 F 43668 | 5000 | 1.54 | 1.31 |
| 30 F 43510 | 50 | 1.51 | 1.28 | 30 F 43684 | 10K | 1.62 | 1.38 |
| 30 F 43528 | 75 | 1.51 | 1.28 | 30 - 43700 | 20 K | 1.72 | 1.46 |
| 30 F 43536 | 100 | 1.51 | 1.28 | 30 F 43718 | 25K | 1.90 | 1.62 |
| 30 F 43551 | 200 | 1.51 | 1.28 | 30 F 43726 | 30k | 1.50 | 1.62 |
| 30 F 43569 | 250 | 1.51 | 1.28 | 30 F 43742 | 50K | 1.99 | 1.65 |
| 30 F 43577 | 400 | 1.51 | 1.28 |  |  |  |  |

## TYPE 10AV-100 WATT ADJUSTABLE

| 30 F 44021 | 1 | 1.95 | 1.66 | 30 F 44146 | 500 | 1.95 | 1.66 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 F 44039 | 2 | 1.95 | 1.66 | 30 F 44153 | 750 | 1.95 | 1.66 |
| 30 F 44047 | 5 | 1.95 | 1.66 | 30 F 44161 | 1000 | 1.95 | 1.65 |
| 30 F 44054 | 10 | 1.95 | 1.66 | 30 F 44187 | 2000 | 2.01 | 1.71 |
| 30 F 44062 | 25 | 1.95 | 11.66 | 30 F 44203 | 3000 | 2.01 | 1.71 |
| 30 F 44070 | 50 | 1.95 | 1.66 | 30 F 44245 | 10k | 2.13 | 1.81 |
| 30 F 44088 | 100 | 1.95 | 1.66 | 30 F 44252 | 15K | 2.26 | 1.92 |
| 30 F 44096 | 150 | 1.95 | 1.66 | 30 F 44278 | 25K | 2.49 |  |
| 30 F 44104 | 200 | 1.95 | 1.66 | 30 F 44310 | 50K | 2.57 | 2.1 |



Made of a single-layer winding and high grade toroidal core. Sliding brush taps transformer to permit selection of output voltage. Brush is always in contact with at least
one turn of wire. $\ddagger$ Deluxe types have circuit breaker, pilot light, banana jacks, on-off switch and 3 prong plug and receptacle. "Bench types are fused with pilot light \& switch.

| Stock No. | Mtg. No . | Fig. | - Input |  | Output |  | Description |  |  | Size | Wgt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Volts | Hz | Volts | Amps. |  |  |  |  |  |  |
| 33 F 70343 | 171 | $F$ | 120 | 50/60,60 | 0-120, 0-132 | 1.75 |  | ounting in panels | up to $1 / 4^{\prime \prime}$ | $2^{13 / 10 . D i a, ~} \times 2 \mathrm{~K}, \mathrm{D}$. | 2.5 | 12.00 |
| 33 F 70335 | 251 | F | 120 | 50/60,60 | $0-120,0-132$ | 2.50 |  | Mounting in Panels | up to $1 / 2^{\prime \prime}$ | $211_{10}$ Dla, $\times 311 / 10 \mathrm{D}$. | 3.5 | 13.00 |
| 33 F 70327 | 371 | I | 120 | 50/60,60 | $0-120,0-140$ | 3.75 |  | Mounting in Paneis | up to $1 / 2^{*}$ | $33 / 4 \mathrm{Sq} . \times 31 / 60$. |  | 18.00 |
| 33 F 70319 | 501 | J | 120 | 50/60 | $0 \cdot 120,0-140$ | 5.00 |  | Mounting in Panels | up to $1 / 2^{\prime \prime}$ | $43 / 4 \times 33 / 4 \times 3380$. | 6 | 19.00 |
| 33 F 70301 | 1010 | J | 120 | 50/60 | 0-120, 0-140 | 10.00 |  | Mounting in Panels | up to $1 / 2^{\prime \prime}$ | $53 / 4 \times 5 \times 4 \% 00$. | 12 | 25.00 |
| 33 F 70293x | 1510 | B | 120 | $50 / 60$ | $0-120,0-140$ | 15.00 |  | Mounting in Panels | up to $1 / 2^{\prime \prime}$ | $81 / 10 \times 8 \times 51 / 100$. | 20 | 48.00 |
| 33 F 70285 | 1020 | J | 240 | 50/60 | $0-240,0.280$ | 3.5 |  | Mounting in Panels | up to $1 / 2^{\prime \prime}$ | $53 / 4 \times 5 \times 41 / 10$ D. | 11 | 30.00 |
| 33 F $70277 X$ | 1520 | B | 240 | 50/60 | 0-240. 0-280 | 9.5 |  | Mounting in Panels | up to $1 / 2^{\prime \prime}$ | $81 / 4 \times 8 \times 511 / 10$. | 20 | 48.00 |
| 33 F 70269 | 2PF171* | G | 120 | 60 | 0.132 | 1.75 |  | ( w/2 Cond, Cord., | Plug \& Socket | $31 / 8 \mathrm{Sq} \times 21 / 2$ | 3.5 | 23.00 |
| 33 F 70251 | 2PF501* | H | 120 | 50/60 | 0-120, 0-140 | 5.0 |  | w/2 Cond., Cord., | Plug \& Socket | $61 / 6 \times 53 / 8 \times 41 / 2$ |  | 28.00 |
| 33 F 70244 | 3PN501* | H | 120 | 50/60 | $0-120,0-140$ | 5.0 | Bench | w/3 Cond., Cord., | Plug \& Socket | $61 / 16 \times 5318 \times 41 / 2$ | 10 | 30.00 |
| 33 F 70236 | 2PF1010* | C | 120 | 50/60 | $0-120,0-140$ | 10.0 | Type | w/2 Cond., Cord., | Plug \& Socket | $67 / 8 \times 5 \times 4 / 16$ | 13 | 34.00 |
| 33 F 70228 | $3 \mathrm{PN1010}$ * | c | 120 | 50/60 | $0-120,0-140$ | 10.0 |  | w/3 Cond., Cord., | Plug \& Socket | $67 / 8 \times 5 \times 4 \%$ | 12 | 40.00 |
| 33 F 70210X | 3PN1510* | 0 | 120 | $50 / 60$ | 0-140 | 15.0 |  | w/3 Cond., Cord., | Plug \& Socket | $9 \times 6 \% \times 51 / 3$ | 22 | 62.00 |
| 33 F 70202 W | EJ201V: | E | 120 | 50/60 | 0-140 | 2.0 AC/DC | Deluxe | Isolated Type w/0 | -140 V. Meter | 73/8 $\times 15 \% / 4 \times 57 / 8$ | 20 | 85.00 |
| 33 F 70194 WX | EJ401V | A | 120 | 50/60 | 0-140 | 4.0 AC/DC | Deluxe | Isolated Yype w/0. | -150 V. Meter | $91 / 2 \times 121 \% \times 63 \%$ | 30 | 110.00 |
| 33 F 70186 WX | EJgoivt | A | 120 | 50/60 | 0-140 | 9.0 AC/DC | Deluxe | I Isolated Type w/o. | -150 V. Meter | $111 / 4 \times 14 \% \times 64$ | 36 | 155.00 |

# The Quality Line of Transistor Transformers <br> - Nickel-Steel Laminations 



- Mylar Outer Wrap
- Wound on Nylon Bobbins
- Color Coded Leads

Etficiently designed to meet the needs of miniaturization and engineered to provide excellent power handling capacity and frequency response with minimum distortion. All are nichel-steel laminations. Applications under "TVPE" shows typical use. UBC is unbalanced current. Many units may be used for other applications as well. Average nel weight $11 / 402$. average shpg. Wt., 4 oz. MADE IN U.S.A.

| Stock Na. | Ars. Ne. Type | IMPEDANCE |  | UEC* Mr. Pow OC MA M.W. |  | DC Ohms |  | Overall Slze |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |
|  |  | Pri. Ohms | 5 Dhms |  |  | Pri. | Sec. |  |
| 33 F 5242 | AR-141 Input | 500,000 | 1.500 Cl | 1.3 | 350 | 3600 | 60 | $1{ }^{10} x^{3 / 4}{ }^{1 /} x^{3 / 4}$ |
| 33 F 85259 | AR-142 Input | 500.000 | 200 CT | . 3 | 350 | 3500 | 20 | $1^{\prime \prime} \times 34{ }^{\text {" }} \times 3$ \% ${ }^{\prime \prime}$ |
| 33 F 82267 | AR-143 Input | 250.000 | 200 CT | . 5 | 350 | 3600 | 20 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} 3^{3 / 4}$ |
| 33 F 85275 | AR-144 Input | 200.000 | 1,500 | . 5 | 350 | 3000 | 65 | $1^{11} \times 3 / 4{ }^{\text {" }}$ N/4. |
| 33 F 85283 | AR-100 Input | 200.000 | 1.000 | . 5 | 100 | 3850 | 90 |  |
| 33 F 85291 | AR-126 Input | 150.000 | $1,500 \mathrm{ct}$ | 12. | 100 | 3700 | 55 | $1^{\prime \prime} \times 3 / 4{ }^{\prime \prime} \times 3 / 4{ }^{\prime \prime}$ |
| 33 F 85309 | AR-101 Input | 100.000 | $3,000 \mathrm{CT}$ | 1.5 | 100 | 3600 | 60 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} x^{3 / 4}$ |
| 33 F 85317 | AR-145 input | 100.000 | 2.000 CT | T 5 | 350 | 3000 | 50 | $1^{\prime \prime} x^{3 / 4}{ }^{\text {" }}$ \%/4" |
| 33 F 85325 | AR-102 Input | 100.000 | 1,500 CT | 1.5 | 100 | 3600 | 40 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} \times 1 / 4^{\prime \prime}$ |
| 33 F 8.5333 | AR-146 Input | 100,000 | 50 | . 5 | 350 | 3000 | 1.6 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime 3} x^{3 / 4}$ |
| 33 F 85341 | AR-127 input | 50.000 | $3,000 \mathrm{CT}$ | 1. | 100 | 2000 | 50 | $1^{\prime \prime} \times 1 / 4^{\prime \prime} \times 3 /{ }^{\prime \prime}$ |
| 33 F 25358 | AR-128 Input | 50,000 | 1.500 CT | 2. | 100 | 3000 | 50 | $1^{\prime \prime} \times 3 / 4{ }^{\prime \prime} x^{3 / 4}$ |
| 33 F 85366 | AR. 129 Input | 50,000 | 1.000 | 2. | 100 | 2500 | 20 | $1^{\prime \prime} x^{3 / 44^{\prime \prime}} x^{3 / 44^{\prime \prime}}$ |
| 33 F 85374 | AR-148 Input | 50.000 | 500 CT | 1. | 175 | 1300 | 20 |  |
| 33 F 85382 | AR-149 Input | 50.000 | 200 CT | 1. | 175 | 1300 | 10 | $3 / 4 \times 1 \times 5 / x^{3} 6^{\prime \prime}$ |
| 33 F 85390 | AR-147 Input | 50.000 | 30 CT | 1. | 175 | 1300 | 1.5 |  |
| 33 F 85408 | AR-150 input | 40.000 | 100 | 1. | 175 | 850 | 6 |  |
| 33 F 85416 | AR-103 Driver | 20.000 | 2.000 CT | 1. | 100 | 400 | 50 | $1^{\prime \prime} x^{3 / 4} 4^{\prime \prime} x^{3 / 4} 4^{\prime \prime}$ |
| 33 F 85424 | AR-104 Driver | 20.000 | 1.000 | 1. | 100 | 400 | 50 |  |
| 33 F 85432 | AR-151 Driver | 20.000 | 800 CT | 1.5 | 175 | 600 | 60 | $3 / 4{ }^{\prime \prime} x^{5} /{ }^{\prime \prime} x^{5} / 8{ }^{\text {c }}$ |
| 33 F 85440 | AR-105 Driver | 20,000 | 400 | 1. | 100 | 600 | 30 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 F 85457 | AR-130 Output | 20,000 | 8 | . 5 | 100 | 400 | 0.6 | $34^{\prime \prime} x^{5} 5 /{ }^{\prime \prime} x^{\text {c }}$ 里" |
| 33 F 85465 | AR-131 Output | 20,000 | 3.2 | . 5 | 100 | 400 | 0.3 | $3 / 4{ }^{\prime \prime} x^{5} 6^{\prime \prime} x^{5} 40$ |
| 33 F 85010 | AR-106 Driver | 16,000 | 4.000 | 1. | 100 | 620 | 350 |  |
| 33 F 85028 | AR-152 Driver | 15.000 | 200 CT | 1.5 | 175 | 550 | 10 |  |
| 33 F 85036 | AR-107 Driver | 15.000 | 200 | 1.5 | 250 | 1000 | 20 | $1^{\prime \prime} x^{3 / 4}{ }^{\text {" }} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 F 85044 | AR 108 Driver | 10.000 | $3,000 \mathrm{CT}$ | 1.5 | 100 | 200 | 100 | $3 / 4{ }^{\prime \prime} \times 56^{\prime \prime} \times 54{ }^{\prime \prime}$ |
| 33 F 85051 | AR. 109 Driver | 10.000 | 2,000 CT | 1.5 | 100 | 500 | 50 |  |
| 33 F 85069 | AR-153 Driver | 10.000 | 200 CT | 2. | 175 | 400 | 10 |  |
| 33 F 85077 | AR-110 Output | 10.000 | 16 | 2. | 150 | 600 | 2.5 | $3 / 4^{\prime \prime} x^{3} / 6^{\prime \prime} \times 5$ |
| 33 F 85085 | AR-132 Output | 10.000 | 16 | 1. | 100 | 600 | . 6 |  |
| 33 F 85093 | AR-133 Output | 10,000 | 3.2 | 1. | 100 | 600 | . 3 |  |
| 33 F 85101 | AR-158 input | 5,000 CT | 80.000 | 2. | 175 | 350 | 1800 |  |
| 33 F 85119 | AR-157 Input | 5,000 | 45.000 | 2. | 175 | 250 | 1600 |  |
| 33 F 85127 | AR-156 input | 5.000 | 30,000 | 2. | 175 | 150 | 1300 |  |
| 33 F 85135 | AR-155 Input. | 5.000 | 10.000 | 2. | 175 | 150 | 450 |  |
| 33 F 85143 | AR-154 Input | 5.000 CT | 7.500 ct | 2. | 175 | 150 | 400 |  |
| 33 F 85150 | AR-173 Driver | 5.000 | 3.000 CT | 2. | 350 | 200 | 90 | $1 "$ 3 $3 / 4{ }^{\prime \prime} \times 34^{\prime \prime}$ |
| 33 F 85168 | AR-111 Output | 5.000 | 100 | 1. | 100 | 600 | 10 |  |
| 33 F 85176 | AR-134 Output | 4.000 CT | 8 | 4. | 250 | 150 | . 8 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 F 85184 | AR-135 Output | 4.000 CT | 3.2 | 4. | 250 | 150 | 3 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 F 85192 | AR-112 Output | 3.500 | 200 | 1. | 150 | 120 | 25 | $1^{\prime \prime} \times 3 / 4{ }^{3} \times 3 / 4^{\prime \prime}$ |
| 33 F 85200 | AR-113 Driver | 3.000 CT | 1,000 | 9. | 150 | 100 | 60 |  |
| 33 F 85218 | AR-114 Output | 2.500 | 11 | 10. | 150 | 50 | 1.1 |  |
| 33 F 85226 | AR-115 Input | 2.000 CT | 8,000 CT | 2. | 150 | 150 | 660 | $1^{\prime \prime} x^{3 / 4)^{\prime \prime}} \mathrm{x}^{3} \mathbf{4}^{\prime \prime}$ |
| 33 F 85234 | AR-116 Output | 2.000 | 200 | 4. | 250 | 120 | 20 | $1 " x^{3 / 4} \times x^{3 / 4}$ |
| 33 F 85473 <br> 33 <br> 15881 | AR-175 Driver | 2,000 | 1.500 CT | 2. | 350 | 150 | 60 | $1^{\prime \prime} x^{3} /^{\prime \prime} \times x^{3 / 4^{\prime \prime}}$ |
| 33 F 85481 | AR-159 Driver | 1,500 | 500 CT | 4. | 175 | 100 | 20 | $3 / 4^{\prime \prime} x^{\circ} 56^{\prime \prime} \times 56^{\prime \prime}$ |
| 33 <br> 33 | AR-136 Output | 1.000 CT | 100 | 4. | 250 | 120 | 10 | $1^{\prime \prime} x 3 / /^{\prime \prime} x 3^{\prime \prime}$ |
| 33 F 35507 | AR-137 Output | 1.000 CT | 8 | 4. | 250 | 120 | . 9 | $1 " x y / x y_{4} "$ |
| 33 F 85515 | AR-138 Output | 1.000 CT | 3.2 | 4. | 250 | 120 | . 3 |  |
| 33 F 85523 | AR-160 Output | 800 CT | 3.2 | 5. | 175 | 40 | 3 | $34^{\prime \prime} \times 56^{\prime \prime} \times 56$ |
| 33 F 85531 | AR-162 Output | 500 CT | 500 CT | 5. |  | 18 | 18 |  |
| 33 F 85549 | AR-163 Output | 500 CT | 150 CT | 5. | 175 | 18 | 8 | $34^{\prime \prime} x^{\circ} 5^{4} x^{\prime \prime} x^{5}+6^{\prime \prime}$ |
| 33 F 85556 | AR-165 Output | 500 CT | 50 | 5 | 175 | 18 | 4 | $3 / 4{ }^{\prime \prime} x^{5} \% 6^{\circ "} x^{5} 60^{\prime \prime}$ |
| 33 F 8564 <br> 33 F <br> 5572  | AR-118 Output | 500 CT | 16 | 5. | 100 | 20 | 1.5 | $3 / 4 \times x=4 \times 3 \%$ |
| 33 F 85572 | AR-164 Output | 500 CT | 8 | 5. | 175 | 18 | . 8 |  |
| 33 33 F 85589 33 | AR-1 19 AR-166 Output | 500 CT | 3.2 | 5. | 100 | 20 | . 3 |  |
| 33 F 85598 33 F 85606 | AR-166 Output | 400 CT | 16 | 5. | 175 | 16 | 1.3 | $3 / 4 \times 150^{\prime \prime} \times \%^{\circ}$ |
| 33 F 85614 | AR-167 Output | 400 CT | 8 or 32 | 1. | 150 | 20 | . 9 |  |
| 33 F 85622 | AR-168 Output | 300 CT | 8 or 3.2 | 5. | 175 | 16 | .6/. 1.4 |  |
| 33 F 85630 | AR-121 Output | 300 CT | 3.2 | 6. | 175 150 | 12 | 1.4 |  |
| 33 F 85648 | AR-139 Output | 250 CT | 8 | 2. | 250 | 15 | .7 | $1^{\prime \prime} x^{3 / 44^{\prime \prime}} x^{1 / 4}{ }^{\prime \prime}$ |
| 33 F 85655 | AR-122 Output | 250 CT | 3.2 | 2. | 150 | 11 | 3 | $1^{\prime \prime} x^{3 / 44^{\prime \prime}} x^{3 / 44^{\prime \prime}}$ |
| 33 F 85663 | AR-123 Input | 200 | $2,000 \mathrm{CT}$ | 2. | 150 | 11 | 50 | $1^{\prime \prime} \times 1 / 4^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 F 85671 | AR-124 Output | 200 CT | 16 | 2. | 250 | 20 | 1.3 | 3/4" $5960 \times 5$ " |
| 33 F 85609 | AR-169 Output | 200 CT | 8 or 32 | 7. | 175 | 9 | .6/.3 |  |
| 33 F 85697 | AR-140 Output | 200 Cl | - 3.2 | 2. | 100 | 10 | . 3 |  |
| 33 F 5705 | AR-170 Output | 160 CT | 8 or 3.2 | 8. | 350 | 10 | . $6 / .3$ | $1{ }^{\prime \prime} \times 3 / 4{ }^{\prime \prime} \times 3 /{ }^{\prime \prime}$ |
| 33 F 85713 | AR-176 Output | 125 CT | 8 | 8. | 350 | 4 | . 7 | $1^{\prime \prime} x^{1 / 4}{ }^{\prime \prime} \times 3 / 4^{\prime \prime}$ |
| 33 F 85721 | AR-174 Output | 125 CT | 3.2 | 8. | 350 | 6 | . 3 | $1^{\prime \prime} x^{3 / 4} \times 3 \times 4$ |
| 33 F 85739 | AR-171 Output | 100 CT | 10 CT | 18. | 175 |  | . 8 |  |
| 33 F 85747 | AR-172 Output | 48,CT 8 | 8 or 3.2 | 15. | 350 | 2.3 | 6/. 3 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime 3 / 4 "}$ |
| 33 F 85754 | AR-125 Input | , | 4.000 | 15. | 250 | 14 | 50 | $3 / 4{ }^{\prime \prime} x^{5} 56^{\prime \prime} x^{3} 4^{\prime \prime}$ |

## Singly EACH $2^{90}$ PRICE SCHEDULE quantity buyens <br> Lots of 10 Assorted 2.65 Lots of 25 Assorted 2.40 Lots of 50 Assorted 2.25 Lots of 100 Assorted 2.20 WRITE FOR PRICES ON

 LaRGER QUANTITIESApplies to all units on this page except 33 - $85762,33-85770$, and $33-75011$.

## PRIPTED CIRCUIT TYPES

All transformers on this page are strapmount as illustrated. Printed circuit mounts available on special order. Minimum 50 of a type. Delivery approx. 3 weels; prices same. Order Argonne number, adding suf. fix PNB, thus: AR-141-PNB.

## SPECIAL TYPES

We welcome the requests of quantity users to quote on any variation of these Argonne transformers or similar miniature units. When writing please give full particulars and enclose prlnts, If avallable, with the specifications. Minimum orders for 100 of a type.

## ARGONNE HIFI TRANSISTOR TRANSFORMERS <br> 

- Designed For Wide Range Transistor Audio Amplifiers
- $20-20,000 \mathrm{~Hz} \pm 0.25 \mathrm{DB}$

Completely encased transformers specfically designed for use in transistored, wide fange. high fidelity audio amplifiers. Eoth driver and output have a frequency response of 20 . $20,000 \mathrm{~Hz} \pm 0.25 \mathrm{db}$ when used in properly designed circuits. At full power rating of 1.5 watts the same response may be achieved at
 mounting studs. Color coded leads. Shps. wt., 6 ozs .

## DRIVER TRANSFORMER

Primary impedance 5000 ohms. 3000 ohm center tapned secondary, DC resistance of primary 50 ohms, of secondary 75 ohms. Unbalanced primary current 20 ma DC. 33 F 85762 1Arsonne AR.500) ….......Net 4.95

## OUTPUT TRANSFORMER

Primary Impedance, 125 ohms center tapped. Secondary impedance. 8 ohms. DC resistance of primary is 4 ohms, of secondary. 0.8 ohms. Unbalanced primary current 50 ma DC. 33 F 85770 (Argonne AR-501)


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 $9,12,16,24,32$ and 48 ohms. Secondary tapped at 4,8 and 16 ohms. Sires: $3 y_{1} \times 21 / 4 \mathrm{E} 2 \%{ }^{\circ} \mathrm{Cmpg}$. wt., 234 lbs . 33 F 75011 Type TR 94

## Stancor Transformers <br> POWER TRANSFORMERS

All primaries 117 V 60 Hz , All 6.3 V secondaries are C.T. except and PC-8414 which has extra $6.3 V$ amp. winding Types with tare for selenium rectifier circuits or tubes such as 6 AX5, $6 \times 4$, $6 \times 5$, etc. All type $M$ mtg. except $P C$ and $P$ are $C$ mtg. $P s$ is $S m t g$. $P A$ is $A$ mtg. $\ddagger P$ late $V$. not center tapped.



| Stam 0 Mo. | vet Pi | man |
| :---: | :---: | :---: |
| PS 8415 | 125 t | 15 |
| PA.8421 | $125 \dagger$ f | 50 |
| PS 8416 | $250 \%$ | 25 |
| PC. 8418 | $460 \%$ | 50 |
| PM. 8418 | $460 \frac{1}{4}$ | 50 |
| PC. 8401 | 470 | 40 |
| PM-8402 | 480 | 55 |
| PC. 8402 | 480 | 55 |
| PC. 8419 | 480. | 70 |
| PC. 8420 | 520 | 90 |
| PC. 8404 | 520 | 90 |
| PC. 8405 | 540 | 120 |
| PC. 8407 | 650 | 55 |
| PC. 8409 | 700 | 90 |
| PC. 8410 | 720 | 120 |
| PC. 8411 | 750 | 150 |
| PC. 8412 | 800 | 200 |
| PC. 8414 | 1200 | 200 |

## FILAMENT TRANSFORMERS



All primaries are 117 volt $50.60 \mathrm{~Hz} A C$ except + which has a $117 / 107 \mathrm{~V}$.

| Stock Mo. | Stan Mo. | Velts | $\begin{gathered} \text { Sotendery I } \\ \text { rmper } \end{gathered}$ | Inext. | Mt <br> Ty | Wins. | Net Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 80047 | P-6133 | 2.5 CT | 5.0 | 7.500 | 5 | $13 / 4$ | 6.64 | 5.98 |
| 33 F 80888 | P-6467 | 5.0 CT | 3.0 | 2,500 | A | 3 | 5.09 | 4.58 |
| 33 F 80490 | P. 6465 | 6.3 CT | . 6 | 1,500 | A | $1 / 2$ | 3.10 | 2.79 |
| 33 F 80508 | P.6134 | 6.3 CT | 1.2 | 3,000 | A | $1 / 2$ | 3.14 | 2.83 |
| 33 F 80516 | P-1 190 | 6.3 | 1.2 | 5,000 | A | 11/4 | 4.75 | 4.27 |
| 33 F 80557 | P.6466 | 6.3 CT | 3.0 | 2.500 | A | $11 / 2$ | 4.67 | 4.20 |
| 33 F 80615 | P. 3064 | 6.3 CT | 6.0 | 2,500 | BV | $23 / 4$ | 8.59 | 7.73 |
| 33 F 80631 | P.6456 $\dagger$ | 6.3 CT | 6.0 | 2,000 | A | 2 | 7.31 | 6.58 |
| 33 F 80649 | P. 6464 | 6.3 CT | 10.0 | 2,000 | C | $31 / 4$ | 9.47 | 8.52 |
| 33 F 80556 | P-6308 ${ }^{\text {P }}$ | 6.3 CT | 10.0 | 2,500 | BV | $31 / 2$ | 12.04 | 10.04 |
| 33 F 80664 | P.6309 $\dagger$ | 6.3 CT | 20.0 | 2,500 | BV | 71/4 | 13.83 | 12.45 |
| 33 F 60680 | P.6457t | 7.5 CT | 21.0 | 2,000 | C | $91 / 2$ | 22.77 | 20.49 |
| 33.180698 | P.6458 $\dagger$ | 10.0 CT | 5.0 | 2,000 | BV | $31 / 2$ | 9.16 | 8.24 |
| 33 F 81191 | P. 8130 | 12.6 CT | 2.0 | 1.500 | A | 116 | 4.84 | 4.36 |
| 33 F81209 | P-6469 | 25.2 | 1.0 | 1,500 | A | 11/2 | 4.27 | 3.84 |

## INTERCOM TRANSFORMERS

A4744 for intercoms voice coil to grid input. A8091 line-to-voice coil 8 watt max.


| Stock No. | stan Me. | Applleatio | Fig. | Fri. Cmes | Sec. Ohms | Sla | Les. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 33 F 82496 \\ & 33 F 82520 \end{aligned}$ | 04744 <br> A. 1916 | Intercom General | VE | 4 | $\begin{aligned} & 25,000 \\ & 3-4 / 6-8 \end{aligned}$ | $13 \times 2 \% \times 11^{\prime \prime}$ $15 \times 2 \% \times 14$ | $\begin{aligned} & 3 / 4 \\ & 3 / 4 \end{aligned}$ | $\begin{aligned} & 3.70 \\ & 3.37 \end{aligned}$ |

## DRIVER TRANSFORMERS

All type A mig. $10,000 \mathrm{ohm}$ primary, single plate to push-pull grids. Use between first audio and push-pull output. Ratio is pri. to $1 / 2 \mathrm{Sec}$..

| Stock No. | Stan. Me. | Max MA Pri. DC | Pri. | 19tio** | Sive |  | Net Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 81217 | A-4713 | 30 | 10,000 | 2:1 | 1\%x27/x11/2 | 7 | 4.02 |
| 33 F 81225 | A.4723 | 30 | 10,000 | 3:1 | 15/527/x11/2 | 7 | 3.71 |

## ISOLATION TRANSFORMERS

All have 1500 V insul. $\uparrow$ Pri. tapped for 125.115 and 105 V with 115 V . Sec. 117 . Pri. tapped sec, with sockets for 105,115 and 125 V . $\$ 117$ V Pri. to 117 V sec.

| Stock No. | stam. No . | fic. | Size | Watts | W.10. | Net Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 33 \text { F } 82413 \\ & 33 \text { F } 82421 \end{aligned}$ | $\begin{aligned} & \text { P. } 6410 \ddagger \\ & \text { P. } 6415^{\ddagger} \end{aligned}$ | $\begin{aligned} & \mathrm{K} \\ & \mathrm{~K} \mathrm{C} \end{aligned}$ |  | $\begin{array}{r} 50 \\ 350 \end{array}$ | $\begin{array}{r} 376 \\ 1874 \end{array}$ | $\begin{aligned} & 11.61 \\ & 38.20 \end{aligned}$ |

## CONTROL TRANSFORMERS

Automation-type transformer 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. | MNT. Mo. | Fils. | Secondary |  | \$120 | Hetes. Ctr. | Wh. Uns | Net Ea, |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Parallel |  |  |  |  |  |
| 33 F 82454 | P-6377 | J | 12 V at 4A | 24 V at 2A | 31/6x35/ $\times 23{ }^{\text {m }}$ | 34" | 21/2 | 7.16 |
| 33 F 82462 | P-6378 | 8 V | 12 V at 8 A | 24 V at 4A | $31 / 2 \times 27 / 83^{10}$ | 21/4214" | 41/2 | 12.68 |
| 33 F 82470 | P-6379 | EV | 12 V at 16A | 24 V at BA | 41/8374x312" | 3x23" | 8 | 22.32 |

## RECTIFIER TRANSFORMERS

Designed to operate in full-wave center-tapped or bridge type circults. Each transformer has a tapped primary and a tapped additional winding permitting a wide range of output voltages. All are BV mitg. type. Primaries are for $117 \mathrm{~V} 50 / 60 \mathrm{~Hz}$ AC operation. Supplied with wiring chart.

| Stock No. | Stan.Mo. | Rance of AV volts | Man. D.C. Resistive | Output Lead Capacitive | S120 | W. <br> Lbs. | 1.9 | 10.24 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 82306 | RT-201 | $\begin{aligned} & 11.7 \text { to } 29.4 \\ & 11.1 \text { to } 28.5 \end{aligned}$ | $\begin{aligned} & 11.2 \mathrm{~V} \text { at } 2.0 \mathrm{~A} \\ & 23.0 \mathrm{~V} \text { at } 1.25 \mathrm{~A} \end{aligned}$ | $\begin{aligned} & 13.8 \mathrm{~V} \text { at } 2.0 \mathrm{~A} \\ & 30.0 \mathrm{~V} \text { at } 1.25 \mathrm{~A} \end{aligned}$ | $31 / 8 \times 2{ }^{1 / 1 / 10 \times 24 / 2}$ | 41/2 | 9.74 | 8.77 |
| 33 F 82314 | RT-202 | $\begin{aligned} & 12.0 \text { to } 29.8 \\ & 12.0 \text { to } 29.8 \end{aligned}$ | $\begin{aligned} & 11.1 \mathrm{~V} \text { at } 4.0 \mathrm{~A} \\ & 24.3 \mathrm{~V} \text { at } 2.0 \mathrm{~A} \end{aligned}$ | $\begin{aligned} & 14.7 \mathrm{~V} \text { at } 4.0 \mathrm{~A} \\ & 33.0 \mathrm{~V} \text { at } 2.0 \mathrm{~A} \end{aligned}$ | 31/6431/6x21/it | 41/4 | 12.31 | 11.08 |
| 33 F 82322 | RT-204 | $\begin{aligned} & 11.7 \text { to } 29.2 \\ & 11.6 \text { to } 29.2 \end{aligned}$ | $\begin{aligned} & 12.0 \mathrm{~V} \text { at } 8.0 \mathrm{~A} \\ & 24.0 \mathrm{~V} \text { at } 4.0 \mathrm{~A} \end{aligned}$ | $\begin{aligned} & 14.5 \mathrm{~V} \text { at } 8.0 \mathrm{~A} \\ & 32.4 \mathrm{~V} \text { at } 4.0 \mathrm{~A} \end{aligned}$ | 31/16x ${ }^{1} /{ }_{6} \times 31 / 9$ | 71/2 | 16.51 | 14.86 |

# Transformers-Voltage Regulators 

STANCOR UNIVERSAL OUTPUT TRANSFORMERS
Match single or push pull plates to any voice coll except * All type A mtg.

| Stock No. | Stm. Mo. | Primay | Watts | Size, Inch | Met. wh. L6s. | $\begin{aligned} & \text { Net Each } \\ & 1.9 \quad 10.24 \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 81258 | A3822 | 7-10K | 4 | 1360237613/6 | $1 / 2$ | 3.50 | 3.15 |
| 33 F 81274 | A3825 | 1.5-4.5K | 8 | 2x31/4x13/ |  | 4.25 | 3.82 |
| 33 F 81282 | A3830 | 3-10K CI | 20 | $21 / 4 \times 3 \%_{6} \times 21 / 4$ | 1*/4 | 6.10 | 5.49 |
| 33 F 81308 | A3849 | 1.5-10K | 10 | 156x27/1213/2 |  | 5.35 | 4.81 |
| 33 F 81324 | 43852 | 4-14K CT | 18 | $2 K_{0} \times 27 / 0 \times 2$ |  | 7.12 | 6.41 |
| 33 F 81332 | A3856 | 4-14K CT | 4 | 136x230x1\% | 13/4 | 4.54 | 4.09 |
| 33 F 81340 | A3870 | 4-14K CT | 18 | 2x31/4×2 | $13 / 4$ | 6.91 | 6.22 |

STANCOR FIXED OUTPUT TRANSFORMERS
All are type A mtg. except * is C. AJ337 similar to A but leads come out side.

| Stock No. | Stam. Mo. | Primary | Secondary | Watts | in. Mits. Centers | Shye. |  | $\begin{aligned} & \text { Each } \\ & 10-24 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 81381 | A2313 | 7.000 | ${ }^{8}$ | 10 | 2\%. |  |  |  |
| 33 F 81407 | A3311** | 10 KCT | 500/16/8/4 | 25 | 21/4x2 | 33/4 | 10.31 | 9.28 |
| 33 F 81415 | A3327 | 25 K | ${ }^{4} 5$ | 5 |  | 1/2 | 2.74 | 2.47 |
| ${ }_{33} 33$ F 814231 | A3328 A3329 | 4.000 8.000 | 3.5 3.5 | 3 3 3 | $13 / 4$ $13 / 4$ | $1 / 2$ | 2.24 2.24 2 | 2.02 |
| 33 F 81449 | ${ }^{\text {A3339 }}$ | 8,000 2,000 | 3.5 | 3 3 | 13/4 $13 / 4$ | $1 / 2$ | 2.24 3 | 2.02 |
| 33 F 81456 | A3337 | 5 SK | 6.8 | 10 | 23/4 | $11 / 4$ | 2.65 3.85 | 2.38 3.46 |
| 33 F 81464 | A3800* | 5.000 Ct | 500/250/15/8/4 | 30 | 21/4×2 | 33/4 | 10.34 | 9.31 |
| 33 F 81472 | A3801* | 6.600 Ct | 500/250/15/8/4 | 35 | $21 / 2 \times 2 K_{0}$ | 53/4 | 12.34 | 11.11 |
| 33 F 81480 | A3831 | 10 KCT | 8/4/2 | 5 | 23/4 | $3 / 4$ | 4.66 | 4.19 |
| 33 F 81498 | A3357 | 25K CT | 4 | 5 | 2 | 1/2 | 3.52 | 3.17 |
| 33 F 81506 | A3876 | 2,000 | 4 | 5 |  | 3/4 | 2.37 | 2.13 |
| 33 F 81514 | A3377 | 5.000 | 4 | 5 | 2 | $1 / 2$ | 2.37 | 2.13 |
| 33 F 81522 | A3878 | 7.000 | 4 | 5 | 2 | 12/2 | 2.55 | 2.29 |
| 33 F 81530 | A3879 | 10,000 | 4 | 5 | 2 | 1/2 | 2.12 | 2.45 |
| 33 F 81548 | A8093 | 10,000 Ct | 3.4 | 10 | 2\%/8 | 3/4 | 3.67 | 3.30 |

STANCOR FILTER CHOKES
All rated 1500 V . Ins. except * is 3000 V . 2500 V . All type A mtg. except $\ddagger$ are C and are NV. A are BH.

| Stack No. | stam. No . | Wrs. | 4 ma | Onms | Size | $\begin{gathered} \text { shot. } \\ \text { wh. Lies. } \end{gathered}$ |  | ${ }_{10-24}^{\text {Each }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 81597 | C-1003 | 16.0 | 50 | 580 | 2x $31 / 1 \times 13 / 4$ | 11/4 | 3.98 | 3.58 |
| 33 F 81605 | C-1080 | 3.5 | 50 | 200 | $15 \% \times 12 / 2 \times 23 / 8$ | $3 / 4$ | 2.97 | 2.67 |
| 33 F 81621 | C-1279 | 8.5 | 50 | 400 | 156027/6x1/2 | 3/4 | 3.38 | 3.04 |
| 33 F 81639 | C-1325 | 5.0 | 50 | 250 | 156027/3x1/2 | 3/4 | 2.97 | 2.67 |
| 33 F 81654 | C-1411** | 4.5 | 200 | 80 | 35/6x $\times 3 \times 1 / 8$ | 3/4/4 | 9.49 | 8.54 |
| 33 F 81696 | C-1515 | 20 | 15 | 900 | 159627/6x $11 / 2$ | 3/4 | 3.67 | 3.30 |
| 33 F 81704 | C-1706 | 4.5 | 50 | 300 | $13 / 6 \times 236 \times 13 / 4$ | 1/2 | 2.42 | 2.18 |
| 33 F 81712 | C-1707 | 7.0 | 50 | 550 | 13/6x23/313/4 | 1/2 | 3.30 | 2.97 |
| 33 F 81738 | C. 1709 | 8.0 | 85 | 250 | $2 \times 31 / 4 \times 2$ | $11 / 2$ | 3.42 | 3.08 |
| 33 F 81746 | C. 1710 | 7.0 | 150 | 200 | 25/9x4x ${ }^{1 / 4}$ | 24/4 | 5.65 | 5.08 |
| 33 F 81761 | C.1722** | 8.0 | 300 | 80 | 456x $334 \times 31 / 2$ | $82 / 2$ | 14.50 | 13.05 |
| 33 F 81787 | C-2304 | 2.3 | 150 |  | 2x31/4 $\times 13 / 4$ | $11 / 4$ | 4.43 | 3.99 |
| 33 F 81829 | C-2325 | 2.0 | 200 | 60 | $21 / 4 \times 33 \times 21 / 4$ | 11/2 | 3.98 | 3.58 |
| 33 F 81837 | C-2326 | 1.0 | 300 | 43 | $21 / 4 \times 33 / 4 \times 21 / 4$ | 13/4 | 4.55 | 4.09 |
| 33 F 81845 | C-2327 | 1.5 | 200 | 85 | 13/6x27/9x1/2 | 3/4 | 3.22 | 2.90 |
| 33 F 81878 | C-2343 | . 75 | 300 | 32 | $15 / 8 \times 27 / 8 \times 11 / 2$ | 3/4 | 3.15 | 2.83 |
| 33 F 81886 | C-2344 | 1.5 | 10 | 85 | 11/4×21/6x1/4 | 1/2 | 2.50 | 2.25 |
| 33 F 81910 | C-2685 | . 035 | 2 A | . 75 | $23 / 6 \times 298 \times 23 / 4$ | $21 / 4$ | 5.84 | 5.26 |
| 33 F 81928 | C-26864 | 0.025 | 4 A | . 425 | 3x33/427/9 | $31 / 2$ | 10.04 | 9.04 |
| 33 F 81944 | C-26884 | . 01 | 12.5A | . 11 | 31/2×41/6×31. | 71/4 | 13.06 | 11.76 |

## AIR CONDITIONER AUTOTRANSFORMERS

STANCOR PS 3000 . ES. pecially designed for use with 1 to 2 ton home air conditioners having 1 to 2 HP . motors. Converis 208 volt unit to 230 volts or 230 voll units to 208 volt. size: $4 \times 5 \times 41 / 2^{\prime \prime}$. Shpg. Wt., $124 / 4 \mathrm{lbs}$. 33 F 82066

Net Ea. 33.43

## T.V. POWER TRANSFORMER

TYPE P.8356, Plate voltage 540 V.C.T. at 260 ma; filament windings 5 volt at 3 amps, 6.3 V at 8.8 amps .117 V .60 cycle AC input. Type C mtg. Size: $33 / 4 \times 33 / 6 \times 31 /{ }^{\prime \prime}$. Shpg. wt., $6 \mathrm{l} / 2 \mathrm{lbs}$.
33 F 82298
Net 20.33

## POLYPEDANCE MODULATION

 TRANSFORMERSFig. A. for transmitters to match class 8 modulators to class C load impedance. Pri. maries and secondarys multi-tapped to match loads from 2.000 to 20,000 ohms. Type A.3893. Rated 60 watts, primary and secondary 180 ma . Size: $4 \times 31 / 4 \times 41 / \mathrm{s}^{\prime \prime}$. Shpg. wt. $71 / 4 \mathrm{lbs}$.
33 F 82074
Net 26.99
Type A.3894. Rated 126 watts, with 125 ma . windings. Size: $43 / 4 \times 4 \times 45 / 8^{\prime \prime}$. Shpg. wt. $103 / 4 \mathrm{lbs}$. 33 F 82082

Net 29.39
MICROPHONE TRANSFORMERS A-4350. Fig $Q$. For mike or line to line. Dual primary 500 and 200 ohm sections. C-T. pri. imp. 500/333/125/50. Sec. $500 / 333 / 200 / 125 / 50$. Mtg. Centers $\mathbf{2}^{\prime} \mathrm{K}_{\mathbf{1}}{ }^{\prime \prime}$. Size: $2 \times 31 / 4 \times 13 / 4{ }^{\prime \prime}$.
33 F 81993 Shpg. wil., 1 lb. ...... Net ea. 6.86 A-4351. Fig. TO. For Mike or line to single grid. Dual orimary 500 and 200 ohm sections. Pri. Imp. 500/333/200/124/50. Sec. Imp. 89000 . Turns ratio $1: 13.3$ Mig. Ctrs. $23 / 611 / 2^{\prime \prime}$. Size: $2^{11} \mathrm{~K}_{6} \times 23 / 4 \times 23_{4}^{\prime \prime \prime}$. Shipg. wt. $11 / 2 \mathrm{lbs}$.

Net ea. 7.47
A-4705. Fig. A. For single button mike to single grid. Pri. Imp. 200/70. Sec. Imp. 80.000. Turss ratio $1: 20 \mathrm{Mtg}$. center. $2^{\prime \prime}$ Sire: $1+\frac{6}{6} \times 2 \times 0 \times 13 /{ }^{2}$. ShDg. $w t ., 1 / 2 \mathrm{lb}$.
33 F 82033 .............................Net ea. 4.59
ACME T8394M VARIABLE VOLTAGE
ADJUSTER


## STANCOR LINE TO VOICE COIL TRANSFORMER

All are J type Mtg. except * which is 0 type Mt\& $\uparrow 25 V$ Type, $\$ 70.7 \mathrm{~V}$ type. § power steps in 30
watts.

| Stoct No. | Stan. No. | Impedance |  | Watts | Cits | $\mathrm{wt}$ <br> Les. | $\begin{aligned} & \hline \text { Met } \\ & \text { 1-8 } \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 10-24 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pri | Sec. |  |  |  |  |  |
| 33 E 80011 | A3818 | 1500/1000/500 | 15/8/4 | 25 | 31/1 | $21 / 2$ | 6.76 | 6.08 |
| 33 F 80045 | A7947* | 2000/1500/1000/500 | 6-8/3.2 | 8 | 2\% | 3/4 | 4.59 | 3.99 |
| 33 F 80060 | A8101 | 500 | 6-8/3.2 | 5 | 2 | $1 / 2$ | 2.3 | 2.61 |
| 33 F 80086 | A8103 $\ddagger$ | 16/8/4/2/1/0.5§ | 4/8/16 | 16 | 2'30. | 13/4 | 7.15 | 6.47 |

300 W. continuous dormer variable transrotary tap sw. Used as step up or step down Voltmeter shows sec. voltage. Pri. $95 / 100 / 105 / 110 / 120 / 125$ volts at $50 /$ 60 Hz . Sec out 115 V. $8^{\circ}$ cord and plug. Size: $474 \times 4 \times 5^{\prime \prime}$. Shpg. wt., 9.lbs.

## 33 F 40015

Net 13.40

## STEP DOWN

AUTO TRANSFORMERS
230 to 115V. All supplied with 6 Heavy duty line Cord and built in receptacle.

| Stock No. | Wattuge | Primary | Secondary | Shpg. Wt. Ibs. | Net <br> each |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 88014 | 100 | 230 | 115 V | 23/4 | 8.05 |
| 33 F 88022 | 150 | 230 | 115 V | 41/4 | 9.63 |
| 33 F 88030 | 250 | 230 | 115 V | 8 | 12.55 |
| 33 F 88048 | 350 | 230 | 115 V | $81 / 4$ | 13.93 |
| 33 F88055 | 500 | 230 | 115 V | 10 | 17.23 |
| 33 F88063 | 750 | 230 | 115 V | 12 | 21.71 |
| 33 F 88071 WX | 1000 | 230 | $115 V$ | 1642 | 28.49 |
| 33 F 88089 Wx | 1500 | 230 | 115 V | 24 | 31.87 |

PERMA.POWER

## AUTOMATIC VOLTAGE REGULATOR

# Transformers-Rectifiers 

## POWER/ISOLATION TRANSFORMER

- Ideal For Amplifiers, Intercoms and Receivers


Here is a versatile power transformer that is ideal for experimenters, hobbyists and constructors. Primary 117 volts and second. ary 105 volts 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 line. Size: $21 / 4 \times 2 \times 1 \frac{1}{2 *}$. Shpg. wt. 3 lbs. 33 F 75029

Net 1.95

## REPLACEMENT POWER TRANSFORMER



Replacement power transformer for many transistorized amplifiers and receivers plus many hobbyist and project applications. Delivers 49 volts at 2.6 amp . and 6.3 volis at 1 amp. continuously. Input 117 volts AC, 60 Hz . Has copper electrostatic shield to minimize hum, With separate core ground. Mount ing centers: $3 \% \times 2 \frac{3}{4} \mathbf{4}^{\prime \prime}$. Overall size: $4 \mathrm{~K}, \mathrm{x}$ $35 / 8 \times 33 / 4$. Imported. Wt. $73 / 4 \mathrm{lbs}$. 99 F 63653

Net 4.95


LINE.TO.
VOICE COIL TRANSFORMERS

## 25 VOLT. 16 WATT LINE-TO-VOICE COIL

May be used with either 8 or 16 ohm speakers. 8 ohm speakers have choice of 4,8 or 16 watt taps. 16 ohm speakers use $2,4,8$ or 16 watt taps. Imported. Size: $23 / 4 \times 21 / 4 \times 2^{\circ}$. Shpg. wt., $\mathbf{l}^{13 / 4}$ lbs.
99 F 63430
Net ea. 4.29

### 70.7 VOLT, 10 WATT LINE-TO-VOICE COIL

70 volt line-to-voice coil matching transformer. Primary tapped $10,5,2.5,1.25$ and .625 watts. Secondary tapped 5,8 and 16 ohms. Size: $2 \times 11 / 2^{\prime \prime}$. Mtg. Centers $23 / \mathbf{s}^{\prime \prime}$. 1 m . ported. Shpg, wt., i tb.
99 F 62846
Net 1.49


Most popular replacement power transformer for circuits using selenium rectifiers or rectlifier tubes such as $6 \mathrm{AX5}, 6 \times 4,6 \times 5$. 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 $2 \times 23 \times 8 \times 13 /{ }^{\circ}$; mounting centers $2^{\prime \prime}$. Shpg. wt., $3 / 4 \mathrm{lb}$.
33 F 34059
Net 2.49


SUBMINIATURE TRANSISTOR AUDIO TRANSFORMERS
ONLY $1 / 2^{\prime \prime} \times 1 / 2^{\prime \prime} \times 1 / 2^{\prime \prime}$
A new series of miniature transformers for transistor and experimental miniature circults. Ideal for miniature radio receivers, amplifiers, hearing aids, etc. using standard transistors. Incorporate special heat-treated high permeability magnetic cores treated to resist corrosion. Designed for improved frequency response with low distortion. $3^{\prime \prime}$ color-coded leads. Average shpg. Wi., 4 oz. imported.

| Stock Mo. | $\begin{aligned} & \text { Type } \\ & \text { No. } \end{aligned}$ | Circuit | Impedance Pri. Ohms | Sec. Ohms | D.C. Resistance Pri. Ohms | Sec. Ohms | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 F 61251 | TR 97 | INPUT | 100,000 | 1000 | 1000 | 1000 | . 99 |
| 99 F 61269 | TR 98 | DRIVER | 10,000 | 2000 C.T. | 240 | $60 \mathrm{C.T}$. | . 99 |
| 99 F 61277 | TR 99 | OUTPUT | 500 C.T. | 3.2 | 42 C.T. | 0.7 | . 99 |
| 99 F 60345 | TR 120 | INPUT | 200.000 | 1000 | 1400 | 50.5 | . 99 |
| 99 F 61293 | TR 116 | OUTPUT | 500 C.T. | 8 | 50 C.T. | 1.7 | . 99 |

## 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. Unbalanced primary current 500 ma DC. Size $1 K_{0} \times 17 / a x 1 \%_{6}{ }^{\circ}$. Shpg. wt. 1 lb. 33 F 85788 Type AR-503



## INPUT TRANSFORMER

 150Rated 2 watts. Frequency response 70 to $20,000 \mathrm{~Hz} \pm 2 \mathrm{db}$. Primary impedance 100 ohms. Secondary impedance 200 ohms CT. Primary DC resistance 1.8 ohms, secondary 2.7 ohms. Unbalanced primary current, 200 ma DC. Size: $1 K_{6} \times 17 / 8 \times 1 \%_{0}{ }^{\prime \prime}$. Wt., 7 oz .
33 F 85796 ................................................ 1.50

## 24-VOLT FILAMENT TRANSFORMER



Primary 117 -Volt, secondary 24 Voits at 1 amp. Mounting centers $21 / 4^{\prime \prime}$. Size $21 / 4 x$ $17 / a \times 13$ 每". Imported. Shipping wt., $11 / 2 \mathrm{lbs}$. 99 F 62663 Net 1.99

## HIGH DENSITY SELENIUM RECTIFIERS

Replacements for radios, TV sets, Hi-Fi etc. 130 VAC input; 380 max. peak inverse volts. All have solder lugs. Avg. shpg. wt., 4 ot.

| Stock No. | Ma | Net <br> Each | L/10 <br> Each |
| :--- | :---: | ---: | ---: |
| 33F 45378 | 0.75 | .59 | $\mathbf{5 3}$ |
| 33 F 45386 | $75-150$ | .75 | .67 |
| 33 F 45394 | $150-300$ | 1.10 | .99 |
| 33 F 45410 | 400.500 | 1.25 | 1.12 |
| 33 F 45345 | 750 | 1.86 | 1.67 |



TRANSISTOR OUTPUT TRANSFORMER Only 5/ax7/8xlks". 2000 ohm primary to 10 ohm voice coil. Matches most transistor outputs. Shpg. wt. 3 oz. Imported.
99 F 61012
Net .79

## MODULATION \& AUDIO OUTPUT TRANSFORMER

Subminiature $3 / 4 x^{5} / 6 x^{5} / 3^{\prime \prime} H$. Cen ter-tapped primary: 2 secondary windings. Impedance: primary500 ohms C.T. secondary - 8 ohms and 3 K ohms. With schematic. Shpg. wt., 802.
99 F 61327 Imported
OUTPUT TRANSFORMER


## S0L6 OUTPUT

Fig. B. Matches 50L6, 35L6. 25L6. etc. to 3-4 ohm voice coll. Size: $11 / 2 \times 11 / 4 \times 11 / 8^{\prime \prime}$ with $13 / 4^{\prime \prime}$ mounting ctr. Shpg. wt., 502. 33 F 37011

Net ea. 89 UNIVERSAL OUTPUTS
Fig. A. Match any single or push-pull output tubes to any voice coil. Shpg. wt., $3 / 4 \mathrm{lb}$. 33 F 75037 4-Watt … Net ea. 1.99 33 F 750458 -Watt

Net ea. 2.39


Primary 115 VAC. Secondary 6.3 V . at 1 amp . Size: $13 / 4 \times 11 / 2 \times 11 / 2^{\prime \prime}$ with $21 / 4^{\prime \prime}$ mounting ctgShpg. wt., $3 / 4 \mathrm{lb}$. 33 F 37029 SARKES TARZIAN

Net ea. 1.39

( $A$
SILICON



## HOLOERS FOR <br> TYPE M500

13 F 62045 Single Holder ea. 20
13 F 62052 Dual Holder

Depend on Lafayette For Complete Stocks, Lowest Prices, Fastest Service

## (B) $\sqrt{2 \times 2}$ <br> MINI-GATOR CLIP (A) <br> "Cad. plated steel. †solid copper. Length 1 \%z", alligator jaws open *t $^{*}$. 20 or smaller wire. Avg. shpg. wt. 2 oz.

| Stoen No. | No. | Each | Lots 10 Each | Lots of 100 Each |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 32 \mp 35009 \\ & 32 \mp 35389 \end{aligned}$ | $\begin{aligned} & 39^{*} \\ & 30.61 \end{aligned}$ | $.09$ | $0$ | $\begin{aligned} & .053 \\ & .065 \end{aligned}$ |

Smallest made alligator clip for use on P.C. boards. tiny terminals, and other crowded spots. ${ }^{*}$ Cad. plated steel. tsolld copper. 20 or smaller wire. Avr. shpg. wt. 202.

| Stack No. | No. | size | Open | Net <br> Each | Lots 10 Each | Lets 100 Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 32 \mp 35330 \\ & 32 F 35348 \end{aligned}$ | $34^{\circ}$ | $\begin{aligned} & 1 \%_{0}^{\prime \prime} \\ & 1 \%_{2}^{\prime \prime} \end{aligned}$ | $\frac{3}{3} 5_{8}^{20}$ | $.1$ | $\text { . } 3$ | $.041$ |

## TEST CLIP WITH MESH TEETM (B)

Pee:Wee elip for general test purposes. Cad. plared steel except ${ }^{*} \mathrm{C}$ is sollid eopper. Avg. shpg. wt., 202.

| Stock No. | Na | Amp. | sire | Net Each | Lots 10 Each | Lots 100 Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 35017 | 45 | 5 | 11/2" | .10 | .07 | . 058 |
| 32 F 35025 | $45 e^{\circ}$ | 10 | 122" | . 17 | . 12 | . 103 |

Jaws of both ends operate independently. Cad. plated steel $\mathbf{2}^{\prime \prime}$ long. laws open $1 / 2^{*}$. Shpg. wt., 2 or.

| N Mo. | но. | tach | $\underbrace{\text { che }}_{\substack{\text { Leits } \\ \text { tach }}}$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 32 F 35223 |  | $\frac{15}{415155}$ |  | . 887 |


| Stock No. | Ins. No | Coler | Fits Clip Series | Net <br> Each | Lots 10 Each | $\begin{aligned} & \text { Lots } \\ & 100 \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 35462 | 13 | Red | 11 | . 85 | . 60 | . 52 |
| 32 F 35470 | 13 | Black | 11 | . 85 | . 60 | . 52 |
| 32 F 35488 | 23 | Red | 21 | . 47 | . 33 | . 28 |
| 32 F 35496 | 23 | Black | 21 | . 47 | . 33 | . 28 |
| 32 F 35504 | 26 | Red | $24 A 825$ | . 29 | . 20 | . 172 |
| 32 F 35512 | 26 | Black | 244825 | . 29 | . 20 | . 172 |
| 32 F 35520 | 29 | Red | 27 | . 19 | . 13 | . 115 |
| 32 F 35538 | 29 | Black | 27 | . 19 | . 13 | . 115 |
| 32 F 35546 | 32 | Red | 30 | . 05 | . 03 | . 029 |
| 32 F 35553 | 32 | Black | 30 | . 05 | . 03 | . 029 |
| 32 F 35561 | 36 | Red | 34 | . 05 | . 03 | . 029 |
| 32 F 35579 | 36 | Black | 34 | . 05 | . 03 | . 022 |
| 32 F 35587 | 47 | Red | 45 | . 08 | . 03 | . 0245 |
| 32 F 35595 | 47 | Black | 45 | . 08 | . 05 | . 045 |
| 32 F 35603 | 49 | Red | 48850 | . 12 | . 09 | . 073 |
| 32 F 35611 | 49 | Black | 48850 | . 12 | . 09 | . 073 |
| 32 F 35629 | 62 | Red | 60 | . 06 | . 04 | . 073 |
| 32 F 35637 | 62 | Black | 60 | . 06 | . 04 | . 035 |
| 32 F 35645 | 87 | Red | 85 | . 08 | . 05 | . 035 |
| 32 F 35642 | 87 | Black | 85 | . 08 | . 05 | . 045 |

## LAFAYETTE <br> KIT OF 20 INSULATED ALLIGATOR CLIPS

Two kits of insulated alligator clips. Kit A consists of 20 large size clids, kit 8 con sists of 20 small size clips. All have sturdy

nickel-plated laws with strong spring and hard bite. Each kit contains 10 red and 10 black alligator clips, carded and bagged. Imported. Shpa. wt. 5 oz .

99 F 62366 Kit A (212 2 )
Net 1.19
Net 1.59

## KIT OF 10 JUBAPER LEADS

10 handy $14^{* \prime}$ leads with miniature insulated alligator clips attached to each end. Clips and leads color coded. 5 palis each a different color. Ideal for serviceman or experimenter. Imported 99 F 00572 Shpg. Wt. 8 oz

## KIT OF HEAVY DUTY IUMPER LEADS

Kit of 5 fumper leads each $48^{\prime \prime}$ long with battery elip terminations. Clip insulators and leads are color coded for easy identification. Imported. Shpr. wt. 802 .
99 F 0058 \&
Net ea. 1.49


CROCDOILE CLIPS (D)
Avg. shog. wt. 2 ad.

| Stock Mo. | No. | Size | Conno. | Each | Lots 10 | Lots 100 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 35140 | 85 | 24" |  |  |  |  |
| 32 F 35157 | 8sc* | $24 /{ }^{\prime \prime}$ | Screw | . 21 | . 17 | . 072 |
| 32 F 35165 | E5T $\dagger$ | 2\% | Tip | . 31 | . 22 | . 1484 |

-Copper, others steel. All fit barana plat

| Stock Mo. | No. | Size | Open | Coan. | Lots 10 <br> Each Each |  | Lots 100 Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 35173 | 60 | $2^{\prime \prime}$ | ${ }^{\text {S }}$ " ${ }^{\prime \prime}$ |  |  |  |  |
| 32 F 35981 | Cs | $2 \times$ | K0" | Screw | . 12 | - 07 |  |
| 32 F 35199 | eecs* | $2^{\prime \prime}$ | \%" | Screw | . 12 | . 13 | $\begin{aligned} & .070 \\ & .108 \end{aligned}$ |

insulatio allisator clits m
-Copper, others cad. plated steel. Size: $\mathbf{2}^{\prime} \mathrm{K}_{2}{ }^{2}$-screw connections. Avg. shpg. wt., 202.

| Stoct ${ }_{\text {Wo. }}$ | No. | Coler | Each | Lots 10 Each | Lots 100 Each |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 35421 | Stus |  |  |  |  |
| 32 F 35439 | cens. | Black | . 16 | .12 | . 098 |
| 32 F 35447 | encins: | Red | . 22 | .18 | . 134 |
| 32 F 35454 | Eecus: | Blask | . 22 | . 15 | . 134 |

BATTETV CLIPS STEEL AND COPPER (I)
-Are solid copper, all others are lead plated. Avg. shpg, wt., 6 oz

| Stact Mo. | No. | Amp. | Size | Net Each | lots 10 Each | Lofs 100 Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $32 \% 35066$ | 241 | 25 | 27* | . 29 | . 20 | . 174 |
| 32 F 35074 | 211 | 50 | $4^{\prime \prime}$ | . 52 | . 36 | . 31 |
| 32 F 35082 | 111. | 100 | $6^{*}$ | 1.44 | 1.1 | . 86 |
| 32 F 35371 | 256. | 75 | $3^{\circ \prime}$ | . 51 | . 3 | . 304 |
| 32 F 35090 | 21c* | 100 | $41 / 2^{\prime \prime}$ | 1.34 | . 5 | . 80 |
| 32 F 35108 | 11c* | 200 | $6^{\prime \prime}$ | 2.65 | 1.5 | 1.59 |

3 SIDED MESH TEETM CLIPS
All steel cadmium plated except - is solid copper, $\ddagger$ has insula tion piercing needle in jaw. Avg. shpg. wt., 1 oz.

| Stock No. | No. | Amp. | Size | Each | Lots 10 Each | Lots 100 Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32F35033 | 443 | 10 | 2 | . 15 | . 10 | . 009 |
| 32 F 35041 | 4ec* | 20 | $2^{\circ}$ | . 22 | . 15 |  |
| 32 F 35058 | 50\% | 20 | 21/4 | . 38 | . 25 | . 213 |
| 32F35116 | 27. | 20 | 270 | 11 | . 12 | . 2104 |
| 32 F 35124 | 276* | 40 | 27\% | . 31 | .22 | . 187 |

FULIY IWSULATED ALLTEATOR CLIPS (N)
"Copper, thad. plated steel, $21{ }^{-1}$ " long, shpe. wt., 1 oz

| Stock No. | No. | Color | Each | lots 10 Each | Lots 100 Each |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 35680 | $63+$ | Red | . 23 | . 16 | . 136 |
| 32 F 35678 | 631 | Black | . 23 | . 16 | . 136 |
| 32 F 35686 | 63c* | Red | . 27 | . 19 | . 162 |
| 32 F 35694 | 63C* | Blach | . 27 | . 18 | . 162 |

INSULATED ALLIGATOR TEST CLIPS WITH 6 FT. LEAD Handy for quilk connections. Plated brass alligater ellip with insulated hand es and 6 th. of Mo. 22 stranded wire attached. Clip is $14 h^{-}$overall. Imported. Shpg. wt.. 2 or 99 F 62317 Red 99 F 52325 Black

## INSULATED ALIIGATOR CLIP

Sturdy nickel-plated brass jaws with plastic
insulated thumb rest and insutated barrel.
Stronk spring with hard bite. Solder fug connection. Overall length $21 / 2^{\prime \prime}$. Imported Shpg. wt., 2 oz. Supplied in Red and Black. 99 F 52192 Red.................... ? Net ea. . 12


## FAHMESTOCK CLIPS of 8

Brass slips that assure good electrical contact without infury to wire. "he" wide except "which are $\%_{4}-$." Packages of 10 . Shpg. wt., 402.

| Steck Ho. | Tis. | Leth. | Man. Wire | Muts. Mola | Pkg. of 10 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33571077 | 8 |  |  |  |  |
| 32 F 76011 | C | 114" | \%o. 10 | Mo. 8 | . 32 |
| 32 3 | A | 13" | Mo. 10 | Mo. 8 | . 39 |
| 33 F $7102{ }^{\circ}$ | 8 | $3 /{ }^{\prime \prime}$ | No. 14 | Mo. 6 | 20 |

# Sockets, Connectors, Test Adapters <br> SET OF 10 TRANSISTOR SOCKETS 



Beauchaine Series 3300 plugs and sockets are reliable, versatile connectors for chassis or cable use. The cable type have sculf-resistant, insulated batkshells made of polypropylene plastic. (UL \& CSA listed). Supplled complete with cable clamps. The recessed types have black wrinkle paint

## ENCLOSEO PLUG WITH CLAMP (FIG. A)

| Stock No. |  | No. of Contacts | $\begin{aligned} & \text { Net } \\ & 1.24 \end{aligned}$ | $\begin{aligned} & \mathrm{Each} \\ & 2+-49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 34 F 20015 | P-3302 CCT | 2 | 66 | . 528 |
| 34 F 20023 | P. 3303 CCT | 3 | . 68 | . 546 |
| 34 F 20031 | P-3304 CCI | 4 | 70 | . 558 |
| 34 F 20049 | P-3306 CCT | 6 | . 78 | . 624 |
| 34 F 20056 | P-3308 CCI | 8 | . 83 | . 666 |
| 34 F 20064 | P. 3310 CCI | 10 | . 94 | 75 |
| 34 F 20072 | P-3312 CCT | 12 | 1.02 | . 822 |
| 34 F 20080 | P-3315 CCT | 15 | 1.35 | 1.08 |
| 34 F 20098 | P-3318 CCT | 18 | 1.59 | 1.272 |


| Stock No. | M19. Me. | No, of Contacts | Net $1-24$ | Each <br> 25-49 |
| :---: | :---: | :---: | :---: | :---: |
| 34 F 20312 | P-3302-AB | 2 | . 29 | . 234 |
| 34 F 20320 | P.3303.AB | 3 | . 35 | . 276 |
| 34 F 20338 | P-3304-AB | 4 | . 35 | . 282 |
| 34 F 20346 | P. $3306.4 B$ | 6 | . 44 | . 348 |
| 34 F 20353 | P.3308-AB | 8 | . 51 | . 408 |
| 34 F 20361 | P. $3310 \cdot \mathrm{AB}$ | 10 | . 58 | . 462 |
| 34 F 20379 | P-3312.AB | 12 | . 65 | . 522 |
| 34 F 20387 | P-3315-AB | 15 | . 91 | . 726 |
|  | P. 3318 -AB | 18 |  |  |

DEEP BRACKET PLUGS (FIG. E)

| Stock No. | Mfic. Ms. | Mo. of Contacts | $\begin{gathered} \text { Mot } \\ 1.24 \end{gathered}$ | Each |
| :---: | :---: | :---: | :---: | :---: |
| 34F20619 | P.3302.08 | 2 | . 50 | . 40 |
| 34 F 20627 | P.3303.0B | 3 | . 74 | . 58 |
| 34 F 20635 | P.3304-08 | 4 | . 75 | . 60 |
| 34 F 20643 | P. 3306.08 | 6 | . 84 | . 67 |
| 34 F 20650 | P-3308.0B | 8 | . 91 | 72 |
| 34 F 20576 | P.3312-08 | 12 | 1.10 | . 88 |
| 34 F 20684 | P-3315-0B | 15 | 1.34 | 1.0 |
| 34 E 20692 | P-3318. DB | 18 | 1.66 |  |

## PDMONA TEST ADAPTERS



Ideal for in-circuit checking of voltage, resistance, audio and video from above chassis. t for use in sockets having captive shields. Shpg. wt., 3 oz.

| Stock No. | Trem | Pins | Deseription | Each |
| :---: | :---: | :---: | :---: | :---: |
| 33 F 57019 | TVS-7 | 7 | Miniature | 1.85 |
| 33 F 57027 | TVS-8 |  | Octal | 1.95 |
| '33 F 57035 | TVS-9 | 9 | Miniature | 1.95 |
| 33 F 57076 | 1779 | 9 | Novar | 2.25 |
| 33 F 57118 | 2497 | 9 | Magnoval | 2.75 |
| 33 F 57126 | 2610 | 10 | Decal | 2.55 |
| 33 F 57084 | 1710 | 10 | Miniature | 2.25 |
| 33 F 57043 | TVS-12 | 12 | Compactron | 2.55 |
| 33 F 57050 | 1447 | 17 | Miniature | 1.95 |
| 33 F 57068 | 1449 | 49 | Miniature | 2.1 |

horizonal output color
TEST ADAPTERS

For 6IE6, 6KM6. Test adapter with No. 3 Pin interrupted allows you to measure and adjust the cathode current of output tubes without removing chassis. Shpg. wt., 3 oz . 33 F 57092

Net 3.75 For 6IS6, $6 \mathrm{JM6}$, Simitar to unit above, but with number 2 pin interrupted. Wt. 3 ol. 33 F 57100
over plated steel shell. All hardware is electroptated. 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 oz .

ENCLOSED SOCKET WITH CLAMP (FIG. B)

| Stock No. | Mfg. No. | Conticts | $\begin{aligned} & \text { Met } \\ & 1.24 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 24-4! \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 34 F 20163 | S.3302-CCT | 2 | . 67 | . 534 |
| 34 F 20171 | S.3303-CCI | 3 | . 69 | . 552 |
| 34 F 20189 | \$-3304-CCT | 4 | . 71 | . 564 |
| 34 F 20197 | S-3306.CCT | 6 | . 80 | . 642 |
| 34 F 20205 | S-3308.CCT | 8 | . 94 | . 75 |
| 34 F 20213 | S-3310-CCI | 10 | 1.04 | . 825 |
| 34 F 20221 | S-3312-CCT | 12 | 1.19 | . 954 |
| 34 F 20239 | S-3315-CCT | 15 | 1.49 | 1.194 |
| 34 F 20247 | S.3318-CCT | 18 | 1.73 | 1.386 |

## ANGLE BRACKET SOCKETS (FIG. D)

| Steck No. | Mfg. No. | No. of Contacts | $\begin{aligned} & \text { Net } \\ & 1.24 \end{aligned}$ | Each $25-49$ |
| :---: | :---: | :---: | :---: | :---: |
| 34 F 20460 | S-3302-AB | 2 | . 32 | . 252 |
| 34 F 20478 | S. 3303 AB | 3 | . 36 | 288 |
| 34 F 20486 | S-3304-A8 | 4 | . 37 | . 294 |
| 34 F 20494 | S-3306.AB | 6 | . 47 | . 372 |
| 34 F 20502 | \$-3308-AB | 8 | . 58 | . 462 |
| 34 F 20510 | S.3310.AB | 10 | . 69 | . 552 |
| 34 F 20528 | S.3312.AB | 12 | . 80 | . 642 |
| 34 F 20536 | S-3315-AB | 15 | 1.04 | . 834 |
| 34 F 20544 | S-3318-AB | 18 | 1.25 | 1.002 |

DEEP BRACKET SOCKETS (FIG.
D)

| Stock NO. | Mis. Me. | centects | $\begin{gathered} \text { Net } \\ 1.24 \end{gathered}$ | Each <br> 25-49 |
| :---: | :---: | :---: | :---: | :---: |
| 31F20767 | 53302.08 | 2 | . 72 | 576 |
| 34 F 20775 | \$-3303.DB | 3 | 78 | . 624 |
| 34 F 20783 | S-3304-DB | 4 | . 80 | . 636 |
| 34 F 20791 | S.3306.DB | 6 | . 89 | . 714 |
| 34 F 20809 | S-3308-DB |  | 1.01 | . 804 |
| 34 F 20825 | S.3312.0B | 12 | 1.27 | 1.014 |
| 34 F 20833 | S-3315-DB | 15 | 1.51 | 1.206 |
| 34 F 20841 | S.3318-DB | 18 | 1.79 | 1.434 |

## TEST POINT AOAPTERS

FOR BLACK \& WHITE TV (B) Test socket adapter for black and white CRT's. Except $110^{\circ}$. Permits in-cir. cult checks from readily accessible lugs.
33 F 87248 Shpg. wt., 302. .......Net 1.11 33 F 57134 Shpg. wt., 3 oz. ..........Net 2.95 33 F 57142 Shpg. wt., 3 oz . Net 2.95


MOLDED: New all molded duo-decal socket for std. CRT's. Complete with back plate, contacts, hardware. Less leads.
18 F 2713 Shpg . wt. 402.
Net .24
Same as above wired for electrostatic and magnetic tubes.
18 F 27153 Shpg. wt., 402 ..........Net . 96 $110^{\circ}$ SYIVANIA CRT SOCKET. Wired for easy replacement with 18 inch leads.
18 F 27161 shpg. wt., 5.02. ............ Net . 90
$110^{\circ}$ RCA CRT SOCKET. Wired for easy re placement, with 18 Inch leads.
18 F 27179 Shpg. wt. 5 oz.
Net .69
Color CRI socket, for $70^{\circ}$ color tubes, wired with $18^{\prime \prime}$ leads. Shpg. wt., 7 oz .

## 18 F 27203

Net 3.15
Color CRT socket for $90^{\circ}$ color tubes will accept eitherr RCA or Motorola tubes. Wired with $18^{\prime \prime}$ teads. Shpg. wt., 9 oz. 18 F 27195

Net 3,


A set of ten universal transistor sockets at a low Lafayette price. Ideal for experimenters, hobbyists and kit bullders. For 3-pin transistors in line or 4 -pin types. Includes saddle mounts. Size: $3 / x^{1 / 4} 4^{\prime \prime}$
99 F 62614 Shpg. wt., 2 oz ............... Net . 98

## TRANSISTOR SOCKETS

Miniature transistor sockets of low loss mica filled phenolic, Confacts are of Beryllium copper, gold flashed over silver plate.


## LOW LOSS TRANSISTOR SOCXETS

Transistor sockets with mounting ears for tod mounting. Shpg. wi., $20 z$. 33 F 872713 Pin.. Net . 54 33 F 872894 Pin Net .54

INTEGRATED CIRCUIT SOCKETS

For 14 and 16 pin in-line hybrid packages having $.100^{\prime \prime} \mathrm{x} \cdot 300^{\prime \prime}$ grid spacing. For round or flat pins. Phenolic body. Brass electro. plated contacts for P.C. versior and brass cadmium plated contacts for self-mounting type. Shpg. wt., 2 oz.

| Stock No. | Pins | Body | Net |
| :--- | :---: | :--- | :--- |
| 32 F 65147 | 14 | Self-mig. | .50 |
| 32 F 65154 | 16 | Self-mtg. | .50 |
| 32 F 65162 | 14 | P.C. | .50 |
| 32 F 65170 | 16 | P.C. | .50 |

## COMPACTRON SOCKET



MINIATURE TUBE SOCKET (A). General Durpose phenolic socket. Rapid mount. Snap action contacts. Shpg. wt., 2 oz.
33 F 870247 Pin
Net .15
33 F 870329 Pin MOLDED TYPE (B). All molded printed circuit socket. With mounting tabs for individual hole insertion.
33 F 871647 Pin
Net .15
33 F 811729 Pin Net .18
TOP MOUNTING TYPE ( $C$ ). Molded with labs for too board mounting.
for top board mounting.
33 F 871237 Pin
33 F 871319 Pin
33 F 87149 octal

Dependable rugged construction. Features pushaction Latch-Lock for focking mated fittings together securely. Interchangeable and mates with Cannon XLR Connectors. Connectors have zinc alloy shell, phenolic insulator, and satin nickel finish. Approx. Shpg. wt. 502.

STRAIGHT CORD PLUGS SOCKETS

| Stock No. | Mir's. No. | Fig. | Contacts, Type | Mount | EACH |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 29018 | K(-3-11 | A | 3-Socket |  | 1.53 |
| 33 F 29026 | X $<-4-11$ | A | 4-Socket |  | 1.96 |
| 33 F 29034 | XL-3-12 | 8 | 3-Pin |  | 1.38 |
| 33 f 29042 | XL-4-12 | 8 | 4 -Pin |  | 1.75 |
| 33 F 29059 | XLP-3-11 | 0 | 3-Socket |  | 1.59 |
| 33 F 29067 | X $\times$ P-4-11 | 0 | 4-Socket |  | 2.15 |
| 33 F 29075 | XLP-3-12 | N | 3-Pin |  | 1.49 |
| 33 F 29083 | XLP-4-12 | N | 4-Pin |  | 1.92 |

PANEL ANO WALL MOLNT RECEPIACLES
Stock Na Mfr's. No. Fig. Contacts, Type Mount
EACH
33 F $29174 \times$ XL-3-13 33 F $29200 \times 1.4-14$ 33 F 29216 XL-3-13N 33 F 29224 XL-3.14N 33 F $29240 \times \mathrm{XL}-3-31$
9633 F $29257 \times$ X-4-31 38 33 F $29265 \times \mathrm{XL}-3-32$ .7533 F $29281 \times$ XL. $3-35$ .59 33 F 29299 XL.3.36 .15 33 F 29307 XL-4-36


| Fig. | Contacts, | Prpe Mount | EACH |
| :---: | :---: | :---: | :---: |
| C | 3-Socket | Wall | 77 |
| 0 | 4-Pin | Wall | 1.50 |
| E | 3-Socket | Panel | 2.25 |
| F | 3-Pin | Panel | 1.77 |
| H | 3-Socket | Wall | 1.92 |
| H | 4-Socket | Wall | 2.17 |
| G | 3-Pin | Wall | 1.17 |
| J | 3-Socket | Wall, single gang | 3.60 |
| 1 | 3-Pin | Wall, single gang | 3.51 |
| J | 4.Pin | Wall, single gang | 4.30 |
| M | 3-Socket | Wall, two gang .. | 6.93 |
| M | 3-Pin | Wal. two gang | 6.75 |



Series 83 UHF coaxial connectors for all RF appucatlons. All connectors single contact except *are dual. Connectors inate by S/8-24 thrd. couplings. Avg. shpg.-wt., 3 oz .


## AMPHENOL "MIP" <br> SOCKETS

Molded high dielectric black phenolic, with molded-in plate for $11 / 2^{\prime \prime}$ mounting centers. T type is mica-filled. $13_{0}{ }^{"}$ mounting hole except " $14 \mathrm{~m}^{\prime \prime} \mathrm{mtg}$ hole, $1 \mathrm{~K}_{\mathrm{ol}} \mathrm{mtg}$, ctrs. $\ddagger 15 / 10^{\prime \prime}$ mig. hole. $\dagger$ loctal socket. Avg. shpg. wt., 3 oz.

| Stock No. | Mig. No. | Prongs | $\begin{aligned} & 1 . \\ & 49 \end{aligned}$ | $\begin{gathered} \mathbf{5 0 -} \\ 99 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| 32 F 20415 | 77-MIP-4 | 4 | . 24 | . 20 |
| 32 F 20423 | 77-MIP. 5 | 5 | . 27 | . 22 |
| 32 F 20431 | 77-MIP-6 | 6 | . 29 | . 24 |
| 32 F 20456 | 77-MIP-7S | 75 | . 31 | . 26 |
| 32 F 20464 | 77-M1P-8 | 8 | . 26 | . 22 |
| 32 F 20472 | 77-MIP-8T | 8 | . 28 | . 24 |
| 32 F 20480 | 88-8. | 8 | . 29 | . 24 |
| 32 F 20498 | 88-8x* $\dagger$ | 8 | . 44 | . 37 |
| 32 F 20506 | 77-MIP.9 | 9 | . 30 | . 25 |
| 32 F 19052 | 77-M1P-11 | 11 | . 31 | . 26 |
| 32 F 20522 | 77-M1P-12 | 12 | . 36 | . 30 |
| 32 F 20530 | 77-MIP-20 | 20 | . 70 | . 59 |
| AMPHENOL MIN. 7 \& 9 PIN SOCKETS |  |  |  |  |

Amphenol sockets for $N$, FM, auto radios, etc. 147-series mounts on 5/0" chassis hole with $7 / 8^{\prime \prime} \mathrm{mtg}$. ctrs., $1 / \mathrm{s}^{\prime \prime}$ screw holes. 59 series mounts in $73^{\circ \prime}$ hole with $11 / 0^{\circ \prime}$ mtg. ctrs., $095^{\prime \prime}$ rivet holes. ". $125^{\prime \prime}$ rivet hole. $\ddagger$ Black Bakelite, $t$ Mica-filled bakelfte. Avg. 3 oz .

BOTTOM MOUNTING TYPE-FIG. (A)

| Stack No. | Mfg. No. | No. of Cont. | $\begin{gathered} \text { I-49 } \\ \text { E2. } \end{gathered}$ | $\begin{gathered} 50 . \\ 99 \\ \text { Ea. } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| 32 F 20787 | 147-500t | 7 | . 38 | . 32 |
| 32 F 20795 | 147.505 $\dagger$ | 7 | . 39 | . 33 |
| 32 F 20803 | 59-409 | 9 | . 44 | . 37 |
| 32 F 20811 | 59-410t | 9 | 1.03 | . 86 : |

TOP MOUNTING TYPE-FIG. (B)
Socket with tube shield base to fit shields listed below.

| 32 f 20829 147-905 | 7 | . 46 | . 38 |
| :---: | :---: | :---: | :---: |
| 32 F 20837147.9134 | 7 | . 46 | . 38 |
| 32 F 20845 59-403t \# | 9 | . 72 | . 60 |
| 32 F 20852 59-407 ${ }^{\text {¢ }}$ | 9 | . 51 | . 43 |
| 32 F 20060 59-406 | 9 | . 53 | . 44 |
| TUBE SHIELDS-FIG. (C) |  |  |  |
| For 7 -Contact Bases. |  |  |  |
| 32 F 20878 5-401 | 13/" | . 21 | . 18 |
| 32 F 20886 5-402 | 13/4" | . 22 | . 18 |
| For 9-Contact Bases. |  |  |  |
| 32 F 208945.405 | $11 / 2^{\prime \prime}$ | . 21 | 10 |
| 32 F 20902 5-408 | 11910" | . 25 | . 21 |
| 32 F 20910 5-409 | 2\%" | .31 | . 26 |

# Amphenol Microphone Connectors 

- 

SERIES 75. PRESSURE TYPE - SINGLE CONTACT Polished chrome plated brass fittings with $5 /{ }^{-1 "} 27$ thread. wt. 302.

| 5 tock | Type | Fig. | Description | 1-49 | 50.99 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 19060 | 75-MC1F |  | Cable plug | . 70 | . 60 |
| 32 F 19078 | 75-MC1M |  | Cable jactr Fits Above | .48 | . 42 |
| 32 F 19086 | 75-PC1M |  | Receptacle, open | 48 | 42 |
| 32 F. 19094 | 75-CL-PC1M |  | Receptacle, shorting | . 68 | . 58 |
| 32 F 19102 | 75-MC1F.A |  | $90^{\circ}$ cable jack | 1.48 | 1.27 |
| 32 F 19110 | 75.MC1P |  | Phone plug Adapter | . 68 | . 58 |
| 32 F 19128 | 75.1 |  | Min. Straight cable plug | 76 | 65 |
| 32 F 19136 | 75-2 |  | Min. Cable jack Fits Above | 50 | .43 |
| 32 F 19144 | 75-3 |  | Min. Locknut receptacle | 53 | .45 |

SERIES 80. SINGLE AND DOUBLE CONTACT TYPES
For concentric lines, shielded mike cables, etc. Center contacts are pin and socket type. *Single-contact type. tDouble contact type. Av. shpg. wL, 3 oz.

| Stock No. | Trpe | Fig. | Description | 1-49 | 50.99 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 19151 | -80F | 6 | Female cable jack | . 77 | . 67 |
| 32 F 1916 | -80C | H | Female chassis receptacle | 60 | . 52 |
| 32 F 19177 | -80M |  | Male cable plug | . 76 | . 65 |
| 32 F 19185 | 180-MC2F |  | Female cable jack | . 85 | . 73 |
| 32 F 19193 | \$80.PC2F |  | Female chassis receptacle | . 68 | . 58 |
| 32 F 19201 | +80-MC2 ${ }^{\text {m }}$ |  | Male cable plur | . 80 | . 68 |
| 32 F 19215 | *80-F1 |  | Female cable plug | . 78 | . 67 |
| 32 F 19227 | * $80 . \mathrm{M1}$ | 6 | Male cable jack | . 76 | 65 |
| 32 F 19235 | *80-C1 |  | Male receptacle | . 61 | . 53 |
| 32 F 19243 | †80-MC2F1 |  | Female cable plug | . 8 | . 73 |
| 32 F 19250 | $\uparrow 80 . \mathrm{MC} 2 \mathrm{Ml}$ |  | Mate cable jack | . 80 | . 68 |
| 32 F 19268 | \$80-PC2M |  | Mate receptacle | . 65 | . 56 |

75-CCC1-Cap and chain, used for 75 and 80 series seals open Chassis against dirt and dust. Shpg. wt., 302.
32 F 19275 1.49 ea. . 47 50.99 ea. . 40
 4.0

SERIES 91. 3- AND 4- CONTACT TYPES
Polarized microphone connectors for portable equipment. Strainrelieving clamps. "3-contact type. 14.contact type. Shpg. wt., 3 oz.

| Stock No. | Type Fis. | Description | 1.49 | 50.99 |
| :---: | :---: | :---: | :---: | :---: |
| 32 F 19284 | -91-MC3F | Female cable jack | 1.13 | 97 |
| 32 F 19292 | -91-PC3 K | Female chassis receptacle | . 80 | . 69 |
| 32 F 19300 | -91-MC3M L | Male cable plug | 1.11 | 95 |
| 32 F 19318 | †91-MC4F J | Female cable jack | 1.17 | 1.00 |
| 32 F 19326 | 191.PC4F K | Female chassis rece | . 76 | . 66 |
| 32 F 19334 | 191.MC4M | Male cable plug | 1.16 | . 99 |
| 32 F 19342 | -91.MC3F1 | Femate cable plug | 1.18 | 1.01 |
| 32 F 19359 | *91-MC3M1 | Male cable jack | 1.06 | . 91 |
| 32 F 19367 | 91-PC3M | Male receptacle | . 72 | . 62 |
| 32 F 19375 | †91.MC4F1 | Female cable plug | 1.23 | 1.05 |
| 32 F 19383 | 191-MC 4M1 | Male cable jach | 1.11 | . 96 |
| 32 F 19391 | 191-PC4M K | Male receptacle | 73 | 62 |

"QWIK" SERIES 91. 3- AND 4- CONTACT TYPES New design. Simply pushed together; released by thumb pressure on lock button white pulling outward. Polarized contacts. Nickel plated shells. *3-contact type. 14 -contact iype. Av. shog. wt., 4 oz.

| \$tock | Type | Fig. | Destription | 1.49 | 50-99 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F | *91-853 | M | Male canle plug |  |  |
| 32 F 19417 | -91-854 | N | Femate cable plug | 2.51 | 2.16 |
| 32 F 19475 | -91-855 | 0 | Male chassis receptacie | 1.47 | 1.26 |
| 32 F 19433 | -91-856 |  | Female chassis receptacle | 3.48 | 2.99 |
| 32 F 19441 | †91-857. | M | Male cable plug | 2.02 | 1.74 |
| 32 F 19458 | +91.858 | N | Femate cable plu | 2.85 | 2.45 |
| 32 F 19466 | +91-859 | 0 | Male chassis rec | 1.59 | 1.37 |
| 32 F 19474 | +91-860 |  | Female chassis receptac | 3.75 | 3.22 |

91.cc3 cap and ehain. Used for the 91 series, seals open chassis units against dirt and dust.
32 F 19482

MINIATURE PLUGS AND SOCKETS


Usable with 91-MPM, 91-MPF and 78-PCG miniature connectors. Supplied with push-on retalner rings. Need $\% s_{8}$ hole. Av. T Type is mica filled. Shpg. Wt., 3 or .

| Stock No. | Socket Type | Cont. | 1.49 | 50-99 |
| :---: | :---: | :---: | :---: | :---: |
| 32 \% 19631 | 78-S3S | 3 | . 15 | . 12 |
| 32 F 19649 | 78-54S | 4 | . 22 | . 19 |
| 32 F 19656 | 78-55S | 5 | . 23 | . 20 |
| 32 F 19664 | 18-S6S | 6 | 24 | 20 |
|  | Plug <br> Type Cont |  |  |  |
| 32 F 19698 | 71-3S | 3 | . 16 | . 13 |
| 32 F 19706 | 71.45 | 4 | . 19 | . 16 |
| 32 \% 19714 | 71-5S | 5 | 20 | . 17 |
| 32 F 19722 | $71-65$ | 5 | . 24 | 20 |

## LaFAYETIE MINIATURE

日ICROPHONE CONNECTORSA

(A) Microphone Dlug for CB and Amateur uses. Precision engineered and sturdily constructed. Plug talies any 4 conductor for 3 conductor with shield) colled cord or straight cable. Features threaded relaining ring for positive locking. Integral cable retaining clamp eliminates shorts and open connections due to cable strain. Polarizing keyway insures easy, properly orientated fit. May be used for any fow voltage plug-in circuitry applications. Imported. Sizes: $11 / 4 \mathrm{~L}$ x $1 / 2^{\circ}$ Dia. Shps. wt., 3 oz.

## 99 F 62630

Net 1.49
(B) Microphone Chassis Socket. Mounts on equipment chassis or panel and mates with $99-62630$ plug (shown above). Size $3 / 4 \times \%{ }_{3}$ " Dia. Requires ${ }^{5 / 4}$ mounting hoie. Imported. Shpg. wt., 302.
99 F $5264{ }^{\circ}$
Net 89

CABLE CDNNECTORS

Shielded cap and rubber grommet-end opening. Consist of "S" type tube sockets and "CP" plugs with hoods. Avg. shpg. wt., 3 oz.

| Stock No. | Female Type | Cent. | 1-49 | 50-99 |
| :---: | :---: | :---: | :---: | :---: |
| 32 F 19730 | 78-PF4 | 4 | 50 | . 43 |
| 32 F 19748 | 78-PF5 | 5 | . 52 | . 45 |
| 32 F 19755 | 78-PF6 | 6 | . 54 | -47 |
| 32 F 19763 | 78-PF7S | 75 | . 56 | . 49 |
| 32 F 19771 | 78-PF8 | 8 | . 50 | 43 |
| 32 F 19789 | 78-PF9 | 9 | . 53 | . 46 |
| 32 F 19797 | 78.PF11 | 11 | . 58 | . 50 |
| Slock No. | Male Tyne | Cont. | 1.49 | 50-99 |
| 32 F 19805 | 86. PM4 | 4 | . 55 | . 41 |
| 32 F 19813 | 86-PM5 | 5 | . 55 | ,47 |
| 32 F 19821 | $86-\mathrm{PM} 6$ | 6 | . 57 | . 49 |
| 32 F 19839 | 86-PM7S | 75 | . 58 | . 50 |
| 32 F 19847 | 86-PM8 | 8 | . 57 | . 49 |
| 32 F 19854 | 86-PM9 | 9 | . 58 | . 50 |
| 32-19862 | 86-PM11 |  | . 59 | . 51 |
| 32 F 19870 | $85 . \mathrm{PM} 12$ |  | . 60 | . 51 |

AMPHENOL TYPE 79-CC4 Cable-clamp used with above connectors to relieve strain on soldered connections. Wt., 2 oz.

| Sloct No. | Nifg. <br> No. | 1.49 | 50.99 |
| :--- | :---: | :---: | :---: |
| 32F 19896 | $79-C C 4$ | .09 | .07 |

## POPULAR MIKE CONNECTORS

(B)

(A)

Standard single contact, cord mounted, nickel plated brass, knurl grips. Fs"-27 thread. Shpg. wt., 302. $\begin{array}{lll}32 & \text { F } 64173 \text { Femate connector Fig. A Net } .39 \\ 32 \text { F } 64181 \text { Male connector } & \text { Fig. B Net } 29\end{array}$

## MINIATURE SHIELDED CONNECTORS



Molded bakelite cad. plated brass shells, for cables up to $1 / /^{\prime \prime}$ Diam. PCG series take $7 / 0^{\prime \prime}$ hole. Suffix "t." indicates long- $1 \mathrm{~K}_{0}$ "; " s " indicates short-"\%". Smpg. wi., $30 \mathrm{oz}_{4}$

Fig. A - Male

| Stack No. | Type Cont. | 1-49 | 50-99 |
| :---: | :---: | :---: | :---: |
| 32 F 19490 | 91-MPM3L 3 | . 42 | . 36 |
| 32 F 19508 | 91-MPM3S 3 | . 42 | . 36 |
| 32 F 19516 | 91-MPM4L 4 | . 47 | . 41 |
| 32 F 19524 | 91-MPMAS 4 | .47 | .41 |
| 32 F 19532 | 91-MPMSE 5 | . 49 | . 42 |
| 32 F 19540 | 91 MPMEL 6 | .48 | . 41 |
| Fig. B Female |  |  |  |
| 32F19557 | 91-MPF3L 3 | . 51 | . 44 |
| 32 F 19565 | 91-MPF3S 3 | . 50 | . 43 |
| 32 F 19573 | 91-MPF 41 | . 55 | . 47 |
| 32 F 19581 | 91.MPF4S 4 | . 53 | A6 |
| Fig. C | Chassis Connectors for Above |  |  |
|  |  | 1.49 | 50.99 |
| 32 \% 19599 | 78-PCG-3 3 | . 50 | . 41 |
| 32 F 19607 | 78-PCG-4 4 | . 59 | . 50 |
| 32 F 19615 | 78-PCG-5 5 | . 62 | . 52 |
| 32 F 19623 | 78-PCG-6 | 63 | . 53 |



329 Switcheratt Microphone Volume Control Adapter. Reduce or Increase volume at the mike. For high impedance circuits using shielded singie conductor cable only.
34 F 6007 Shpy. wt. 2 oz. Net 4.17
Amphenol Mike Switch. Attach between mate and female of 75 series connectors. Push-totalk with loch. Shpg. wt., 3 oz.
32 F 19946 Amphenol 75-MC1S
"oy" Connector. Has 2 males and 1 female.
33 \% 89012 Shpg. wt., 3 oz ......Net . 99

# Plugs - Jacks - Binding Posts 



## INSULATED PLUGS

Fig. A. Insulated Tip Plug. Heavy duty Solder type. 1" handle. $21^{\prime \prime \prime}$ overall.
32 F 64645 Red ............................... 17 32 F 64652 Black … 10 For 1.61 Fig. B. Insulated Solderiess Tip Plug. 1" handle, $2^{\prime \prime}$ length overall.
32 F 64660 Red Net Ea. . 17 32 F $6467 P$ Black $\qquad$ 10 For 1.61
Fig. C. Insulated Short Tip Plug. Solder type. $\mathbf{1}^{\prime \prime}$ handle. $\mathbf{1 ' M o s}^{\prime \prime}$ overall length.
32 F 64686 Red ................ Net Ea. 13 32 F 64694 Black 10 For 1.23
Fig. O. Insulated Banana Plug. Spring type. Internal set screw for soldering. "" handle. 11/1" length overall. Phosphorbronze.
32 F 64702 Red
Net Ea. . 25
32 F 64710 Black 10 For 2.31
Fig. E. Solderless insulated Banana Plug. Spring type. 1" handle. 1"16" overall.
32 F 64128 Red …................... 20 32 F 64736 Black ................. 10 For 1.90
Fig. F. Solderless Insulateo Banana Plug. Spilt type. 1" handle. 1\%" overall.
32 F 64744 Red 32 F 64751 Black ............. 10 For 1.71
Fig. C. Insulated Banana Plug. Spring type. $1^{\prime \prime}$ handle. $13 / 4^{\prime \prime}$ overall. Solder type.
32 F 64769 Red ................ Net Ea. 20 32 F 64717 Black .............. 10 For 1.90
Fig. H. Molded Meter Banana Plug.
32 F 64785 Red 32 F 64793 Black ................ 10 For 3.80
Fic. J. Molded Meter Tip Plug.
32 F 6480, Red 32 F64819Black …....... 10 For 2.85
Fig. K. Insulated Spade Lug. $3 / 4^{\prime \prime}$ handle. $15 / 8$ " length overall.
32 F 64827 Red
Net Ea. . 11
32 F 64835 Black
10 For 1.04


No. 210 moulded polystyrene dual binding post with brass nickel plated plugs on $3 / 4^{n}$ centers. Mates with standard binding posts. Polarity indicated on top and side. Wire held by internal set screw. May be stacked. Shpg. wt., $30 z$.
32F65048 Black
32 F 65055 Red
Net .72

## SMITH TEST PRODS

## INSULATED JACKS

Fig. L. Phone Tip or Banana Plug. Mounts in K0" hole.
32 F 94843 Red 32 F 64850 Black $\qquad$ Net Ea. 20

Fig. M. 5-way Binding Post. Takes phone tips, banana plugs, spade lugs, alligator clip. wire. All insulated type.
32 F 64868 Red ack $\begin{array}{llr}\text { Met Ea, } & .45 \\ 10 & \text { For } & 4.27\end{array}$ Fig. N. Nyion All Insulated Tip Jack. $1^{\prime \prime}$ over. all. Wounts in $7 e^{\prime \prime}$ hole.
32 F 64884 Red

- 3

Net Ea. 20 32 F 64892 Black 10 For 1.90
Fig. P. Insulated Tip Jack. 1/4" overall tength. Mounts in Ko" hole.
32 F 64900 Red 32 F 64918 Black

Net Ear .15
Fig. a. Nylon Insulated Jip Jack. With nyion washer. I" overall length. Mounts in Kut hole.
32 F 64926 Red $\quad$ Ret Ea. 27 32 F 34934 Black 10 For 2.56
Fig. 'R. Insulated Banana Jack. "/3z" overall length. Mounts in \%s" hole.
32564942 Red
Net Ea. . 15 32 F $\$ 4959$ Black ................. 10 For 1.42
Fig. S. Instrument Banana Jach, 27/30" overall length. Mounts in K $\mathrm{K}_{6}{ }^{\prime \prime}$ hole.
 32 F fis 975 Black 10 For 8.71
Fig. T. Nylon Insulated Banana Jack. With nylon washer. Overall length Yu". Mounts in $\mathrm{y}_{6}$ " hole.

| 32 F 54983 Red |
| :--- |
| 32 F. 64991 Black |
| Net Ea............ |
| 10 For 2.37 |



Unusual dished lockwasher permits fast assembly. Teeth embed into jack and panels, prevents pulling out and furning. Mounts in $\%_{*}$ " hole in panels up to $x_{0}{ }^{\prime \prime}$ thick. Shpg. wt., $11 / 2$ oz.
Mo. 179 Accepts Tip Jacks
32 Fi 65113 Red
Net 08
No. 398 Accepts Banana lacks
32 F' 65121 Red Net . 08

32 F' 65139 Black
Net . 0 B
LAFAYETTE
Net .08

Brass, nickel plated plugs mounted in 4" moided butyrate handies. Shpg. wt., 2 oz.

No. 302 Soldertess Test Prod Type
32 F 65063 Red
Net .30
32 F 65071 Black
Net .30

No. 317 Phono Needle Test Prod
32 F 65089 Red
32 F 65097 Black

## KIT OF 10 5-WAY BINDING POSTS

- For Banana Plug
- For Phone Tid Plug
- For Spade Lug
- For Alligator Clid
- For Strand of Wire

For panels Ko" to $1 / 4^{"}$ thick. Assortment of 10 oieces. 5 Red and 5 Black. Imported. Shpg. wt., 4 or.
99 F 62333. Binding Post Kit


Make Lafayette Your One Dependable Smurce for Everything in Electronics

## METAL JACKS

Fir. U. Metal Tip Jack. Mqunts in $1 / 4^{\prime \prime}$ hole. 32 F 64371
) Net ea. .15 10 for $1.42 \ldots 100$ for 13.50
Fig. V. Metal Banana Jack. Mounts in $1 / 4^{\circ}$ hole.
32 F 64389
. Net ea.
.13
10 for 1.23 100 for 11.70
Fig. W. Metal Banana Jack Mounts in $1 / 4^{\prime \prime}$ hole.
32 F 64397 $\qquad$ ..) Net ea. $\quad .13$ 10 for 1.23 $\qquad$ 100 for 11.70 Fig. X. Solderless Phone Tip, Sr. $15 / \mathrm{s}^{\prime \prime}$. long. 32 F 64405 Net ea. . . 15 10 for $1.42 \ldots . . . . . . . . . \quad 100$ for 13.50

## NON-INSULATED PLUGS

Fig. Y. Solderless Phone Tip. Jr. 1 Ko" long. 32 F 64413 …) Net ea. . 15 10 for $1.14 \ldots \ldots$ for 13.50 Fig. 2. Banana Plug. Spring type. i\%" overall. $6.32 x 1 / 2^{\prime \prime}$ stud.
32 F 64421 Net ea. .................... 20 10 for $1.90 \ldots \ldots$ for ti......................... 00
Fig. AA, Bamana Plug. Spring type. Screw in head. $11 / 32^{\prime \prime}$ overall.
32 F 64439 $\qquad$ Net ea. 20 100 for 18.00 Fig. 8B. Banana Plug. Spring type. $14 / 4^{\prime \prime}$ overall. $6-31 / \mathrm{g}^{\prime \prime}$ stud.
32 F 84441
. $\begin{aligned} & \text { Net ea. } \quad .20 \\ & 100 \text { for } 18.00\end{aligned}$ 10 for 1.90
Fig. CC. Banana Plug. Split type. $144^{\prime \prime}$ over. all. $6.32 \times 1 / 2^{\prime \prime}$ stud.
32 F 64454
) Net ea. 17
10 for 1.61
) 100 for 15.30

## ULTRA MINIATURE PLUG \& JACK

Plug is $15 / 16^{\prime \prime}$ overall. Jack mounts on panels un to $3 / 32^{\prime \prime}$ thick. Requires $5 / 32^{\prime \prime} \mathrm{mtg}$. hole. Extends-11/32" be. hind panel. 3 circult jack can be used open or closed. Shpg. wt., 2 oz. imported.
99 F 63141
Net 30


## LAFAYETTE JUMBO 5-WAY BINDING POSTS <br> $29^{\text {c }}$

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 lirmly seat in the top mounting hole. May be mounted in panels from 1 K" to $1 / \mathrm{m}^{\prime \prime}$ thlckness. Sturdily made with non-removable head piece. Imported. Shpg. wt., 202.

99 F 61202 Black
99 F 61210 Red
Net .29
Net .29
Net 29

# LAFAYETTE Plugs - Jacks 

STANDARD LAFAYETTE 2CONDUCTOR PHONE PLUGS


Phone plugs for a wide variety of applica. tions with choice of handle sizes and materl. als. All sleeves fit standard $1 / 4^{\prime \prime}$ phone jacks. Avg. shpg. wt., 3 oz.
FIG. A. SLIM PHONE PLUG Smooth bakelite handle. Solder terminals with cable clamp. imported.
99 F 62218 .........Net . 30 ea. - 10 for 2.50 FIG. B. BARREL PHONE PLUG Ribbed plastic barrel handle. Screw terminals. Imported.
99 F 62234 Net 35 ea. - 10 for 2.89 FIG. C. SHIELD SLIM PLUG Ribbed chromed metal handle. Solder terminal with cable clamp. Imported.
99 F 62150
Net . 49 ea, - 10 for 4.19 FIG. O. PHONE TO PHONO PLUG ADAPTER. Adapts from standard phone plug to RCA type phono plug. Overall length $27 / x^{1 / 2 \prime \prime}$ diameter. imported.

## 99 F 62168

Net . 45 ea. - 3 for 1.19
STANDARD LAFAYETTE PHONE JACKS FOR 1/4" PLUGS


FIG. E. DPEN CIRCUIT JACK Standard open circuit phone jack, $1 / /^{\prime \prime}$ bushing, $1 / 2^{\prime \prime}$ long. Complete with mounting hardware. Imported. 99 F 62135 Net 30 ea. - 5 for 1.29 FIG, E. CLOSED CIRCUIT JACK Same as above but closed-circuit phone jack. Imported. 99 F 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. wi., 3 oz.
99 F 62143 …...Net 39 ea. - 3 for .99
PHONO PLUGS AND JACKS

(A) Single Prong Shielded Plug-RCA type, used extensively for mike, phono, etc. Shpg. wt. 302.

10 for .56 singly, ea. . 07
32 F 64579
(8) Phone Jack - Accepts RCA type phono plug. Mounts in rear of panel. Shpg. wt., 307.
$32 \mp 64587 \quad 10$ for .79 singly, ea. . 09
(C) Finger grip plug - Phone plug with finger grip. Wt., 2 oz.
32 F $78173 \quad . \quad 10$ for .90 singly, ea..$~ 10$ (0) Feed Thru - Accepts male phono plug at both ends. Shpg. wt., 3 oz .
32 F 52012
Ea. 30

## LAFAYETTE FLAT PHONE



Two conductor all metal phone plug for standard $1 / /^{\prime \prime}$ lack, body only $x_{a}$ " thick. Shielding crimps to body, center lead to solder terminal. Imported. Shpg. wt., 2 oz.
99 F 62788
Net ea. . 45

PHONO PIN JACK SINGLE
 HOLE MOUNTING

RA type temale input jack. Mounts securely in single $1 / 4^{\prime \prime}$ hole by means of locknut on jack. Screws, nuts and washers unnecessary. mported. Shpg. wt., 3 oz.
99 F 62341 ....... 5 for 1.15 Singly, ea. 25

## Q ULTRA MINIATURE PLUG \& JACK



Plug is $156_{6}$ " overall. Jack mounts on panels up to $\boldsymbol{y}_{2}{ }^{\prime \prime}$ thick. Requires $\boldsymbol{y}_{3}{ }^{\prime \prime}$ mtg, hole. Extends 1/2" behind panel. 3 circuit jack can be used open or closed. Shpg. wt., 2 oz. Imported.

Net 30
SUB-MINIATURE PLUG ADAPTER

- Provides Extra Earphone Jack for Transistor Radios


## $79^{c}$

A sub-miniature combination plup and jack designed for most transistor radios with earphone jacks. Just plug it in and you have 2 jacks for earphones, speakers, etc. - can be used in most instruments provided with an earphone jack. Overall size: $21 / a \times 1$ 1/ax $3 /{ }^{\prime \prime} \mathrm{D}$. Shpg. wi., 2 oz. Imported.

## 99 F 63109

Net .78


Sub-miniature "phone plug" and jack. Only $1^{\prime \prime}$ long $x 1 / 4^{\prime \prime}$ diameter, overall. Excellent for transistor and subminiature applications. Plug has removable sleeve. Jack can be mounted on panel up to Ko" thick. Jack can be used for both open and closed circuits. Imported. 3 oz.
99 F 62101 Plug
Net .25
99 F 62119 Jack
Net .23

## PHONE PLUG TO PHONO

 JACK ADAPTER

Brass, nickel-plated adapter. Has standard phone jack on one end to take regular phone plug, and RCA-type phono plug on other end. Has threaded bushing with nut and washer so can be panel mounted if desired. Imported. Shpg. wt. 3 oz.
99 F 62309
Net .59

## HEAVY SHIELDED PHONE

(A) PLUGS AND JACKS (B)

(A) Sturdy, heavy brass, nickel-plated phune plugs with screw terminal connections. Threaded insulated cable outlet may be removed for larger cables to pass through. Body dia. $3 / /^{\prime \prime}$, overall length $314^{* \prime}$. Shpg. wt., 3 oz. Imported.
99 F 62291 Plug .......Net ea.. 6410 for 5.50 (B) Matching in-line phone Jack, same construction as plug. Overall length 2 . Imported. 99 F 62283 Jack .....Net ea. 59 io for 5.30

## 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 hande makes removal from amplifier a snap. Completely shielded in bright nickel plate on brass body and shell. Fits all RCA type jacks. $1 \mathrm{~K}_{*}^{*}$ Iong. Imported. Shpg. Wt. 207.

Net 25
(B) Extension Cable Jack for use with above or any other type phono plug. Imported. Shipg. wt., 2 oz.
99 F 62408
Net .25

## 3 CONDUCTOR PHONE <br> (A) PLUG \& JACK <br> (B)


(A) 3 Conductor Phone Plug-Black Bakelite Handle. Solder lugs. Open circuit $1 / a^{\prime \prime}$ shaft. Imported.
99 F 61194 Shpg. wt., 2 oz.
Net 44
(8) 3 Conductor Phone Jack. Open Circuif. imported.
99 F 61186 Shpg. wt. 2 oz.
Net . 44
MINIATURE 3-CONDUCTOR PLUG AND JACK SET


A finely built 3-conductor plug and jack set. Uniquely made so that jack can be used as normally open although one circult may be used as normally closed. Heavy gauge construction. Plug $1 \%$ " overall. Jack mounts in $x_{2}{ }^{\prime \prime}$ hole in panels up to $1 / \mathrm{a}^{\prime \prime}$ thick. Im. ported. Shpg. wt., 2 oz.

| pored. |
| :--- |
| 995 |
| 63281 |

Net 69
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-soldertess type-need only spot solder at tip. Fit standard RCA type phono jacks. Imported. Shpg. wt., 3 oz. 99 F 63273 Net 99


## DOUBLE PHONO JACK AND PLUG SET

Set consists of two phono male plugs and a dual female socket. Excellent for such dual signal applications as stereo equipment. Sturdy solder contacts are used throughout construction. Shpg. wt., 3 oz. 25
99 F 63307

## Plugs - Jacks - Connectors

SWITCHCRAFT 3 CONDUCTOR FLAT
PHONE PLUGS

## SWITCHCRAFT "LITTEL PLUGS" AND JACKS


"LITTEL-PLUGS" PHONE PLUGS Compact quality plugs. Fits stand. ard $1 / 4^{\prime \prime}$ phone jacks except * with 206 diam. sleeve and $\dagger$ with short sleeve for Revere recorders. In plastic handle or with brass nickel plated shelts for shielding. Solder terminal has bulitin cable clamp. Handle $1110^{\prime \prime}$ long. $1 / 2^{\prime \prime}$ diam. Av. shpg. wt., 2 oz

| Stock No. | Type | Fig. | Cond. | Handie | Terminals | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 F 60128 | 240 | A | 2 | Black | Screw | . 54 |
| 34 F 60136 | 245 | A | 2 | Red | Screw | . 54 |
| 34F 60144 | 250 | A | 2 | Black | Solder | . 51 |
| 34 F 60151 | S.250** | A | 2 | Black | Solder | . 54 |
| 34F60169 | 255 | A | 2 | Red | Solder | . 51 |
| 34 F 60177 | 260 | A | 3 | Black | Scren | . 84 |
| 34'F 60185 | 267 | A | 3 | Black | Solder | . 75 |
| 34 F 60193 | 280 | B | 2 | Metal | Solder | . 72 |
| 34 F 60201 | S-280* | B | 2 | Metal | Solder | . 72 |
| 34 F 60219 | R-280 $\dagger$ | 8 | 2 | Metal | Solder | . 93 |
| 34 F 60227 | 297 | B | 3 | Metal | Solder | . 93 |

"LITTEL-JAX" PHONE JACKS (Fig. C) Accept standard $1 / 4$ " phono plugs, except * with $210^{\circ} \mathrm{J} . \mathrm{D}$. steeve and + mates with 480 Mit type "Littel-Plug." Abbrs.: SCC-single closed ckt; OC-open cht. $3 / /^{\prime \prime}$ dla., $11_{3} / z^{\prime \prime}$ overall; $3 / /^{\prime \prime}$ dia. threaded shank, $3_{2}{ }^{\circ}$ long. Av. shDg. wt. 202.

| Stock No. | Type | Schematic Cond. | CKT. | Jan Type | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 F 60235 | 11 | 2 | OC |  | 10 |
| 34 F 60243 | C-11 | 2 | 0 OC | 11-034 | . 45 |
| 14 F 60250 | S.11* | 2 | 0 C | - | . 33 |
| 34 F 60268 | 12A | 112 | SCC | - | . 33 |
| 34 F 60276 | C.12A | 112 | SCC | J-089 | . 54 |
| 34 F 60284 | 128 | 111 | OC |  | . 39 |
| 34 F 60292 | C.128 $\dagger$ | 1113 | OC | JJ-033 | . 69 |
| 34 F 60300 | 13B | IV | SCC | - | . 57 |

"TINI-PLUGS" SUBMINIATURE PHONE PLUGS, 2-conductor phone plugs for use with "Tini-Jax." Only $15 / 9$ " In length. In plastic or metal shielded handles. Shpg, wt., 2 oz.

| Stock No. | Type | Fig. | Mandle | Terminals | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 F 60318 | 740 | A | Black | Screw | 54 |
| 34 F 60326 | 745 | A | Red | Screw | . 54 |
| 34 F 60334 | 750 | A | Black | Solder | . 51 |
| 34 F 60342 | 755 | A | Red | Solder | . 51 |
| 34 F 60359 | 770 | B | Metal | Screw | . 72 |
| 34 F 60367 | 780 | - | Metal | Solder | . 69 |

"TINI-JAX'" SUBMIMIATURE PHONE JACKS (Fig. D) 2 -conductor jacks for "Tini-Plugs." Only 7/2," long. Abbrs.: OC-open Ckt.; CC-closed Ckt. Av. shpg, wt., 2 oz.

| Stock No. | Type | Schematic | CKT. | Net |
| :--- | :--- | :---: | :---: | :---: |
| $34 F 60375$ | 41 | 1 | OC | .30 |
| $34 F 60383$ | $42 A$ | 11 | CC | .33 |

"TINI-EXTENSION JAX" (FIg. E) An extension or cable jack to mate with "Tini-Plugs". Two conductor with metal housing for ruggedness and etectrical shielding. Solder lug terminals. Shpg. wh., 2 oz.
Stack Ne. Type Fig. Cond. Terminals Net

34 F 60458
125 E Solder Not 34FGONS 125 Sold

SWITCHCRAFT PLUGS AND JACKS


PJ-a55B
JJ-026
MIL TYPE PLUGS AND EXTENSIOH JACK
All meet industrial and military requirements. Plugs are made to MIL-P-642A Specs. The extension Jack type 820 meets MIL-J.641A specs. Best quality material and workmanship assure. positive in. ternal interlock. Parts will not shift in oosition. Black olastic handle. Extension Jack fits type 430 "Littei-Plug". All have screw terminals. Av. shipg. wt., 202.

| Stock No. | Type | Cond. | $\begin{aligned} & \text { Old } \\ & \text { s.C. No. } \end{aligned}$ | Jan. Type | Net Each |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 F 60086 | 430 | 2 | PL. 55 | PJ-0548 | . 90 |
| 34 F 60094 | 440 | 2 | PL-55 | PJ-0558 | . 90 |
| 34 F 60102 | 480 | 3 | PL-68 | PJ -068 | 2.16 |
| 34 F 60110 | 820 | 2 | JK.26 | JJ-026 | 1.26 |

## SWITCHCRAFT "MICRO PLUGS AND JAX"

(A) A miniaturized 2 -conductor plug for use with cables of up to $7 / 64^{\prime \prime} 0.0$. Nylon insulation is used between tip and sleeve. Sipp. wt., 202.
(B) Ultra-miniaturized jack is designed for above plugs. enmen A Feafures solder lugs and positive tip spring grip. 34 F 60433 ( $k$ ) Black handle (No. 850)
34 F 60441 (A) Red handle (No. 855)
34 F 60490 (A) Natural A1. handle (No. 880)
34 F 60508 (E) Jax (No. TR.2A) Shpg. wt., 2 oz.

## SWITCHCRAFT "THICK PANEL JAX"

A long bushing allows mounting in panets of up to $11 / a^{\prime \prime}$ in thickness with a $15 / 32^{\prime \prime}$ diameter hole. Features shielding and solder terminals. No. 151 is 2 -conductor and mates with $240,245.250,255,270$. and 280 plugs. No. 1528 is 3 -conductor and mates with 260,267 , 269, and 297 plugs. Shpg. wt. 2 oz.

| Steck No. | Description | Net |
| :--- | :---: | ---: |
| 34 F 60474 | Switchcraft No. 151 | .93 |
| 34 F 60482 | Switcheraft No. 152B | 1.02 |



## SWITCHCRAFT STEREO "LITTEL.JAX"

A three conductor jach specially designed for switching out speakers, when connecting stereo headphones. Recommended for such stereo applications as record players and multiplex tuners. Dual, normally-closed switch contacts, open both stereo circuits independently when 3 three conductor plur is inserted. Mounts in single $\%$ " diameter hole. Shpg. wh., 2 oz. 34 F 60466 Switcheraft No. 14B _ Net .12

## LAFAYETTE STEREO PHONE JACK

For insertian of standard three conductor plug. WIII switch out speakers and allow operation of only headphones or extension speakers. Many uses. Imported. Shpg. wt. 202.

99 F 62739
Net ea. . 59


## EUROPEAN AUDIO CONNECTORS

Made to European DIN engineering specs. Fully shielded In plastic snap-on shells. Will mate with sockets on Noreico, Grundig, Telefunken, Uher, etc. imported.


3 PIN AUDIO PLUG-Fig. A
34 F 31012 Shpg, wt., 2 ot. 5 PIN AUDIO PLUG-Fig, B 34 F 31020 Shpg, wt., 2 oz. 5 PIN AUDIO PLUG Fig. C 34 F 31038 Shpg, wt., 2 oz.

Net .89
Net .99
Net .99


## TELEX MINIATURE

## PHONE PLUG AND JACK

Precision made plugs and jacks. Plug is 1\%," long (overall), body is $1 / 4^{"}$ diameter, prod is $1 / 8^{\prime \prime}$ Dia. Jack can be mounted on any panel up to t/s". Shpg. wt., 2 oz. 32 F 33017 PM-01 Plug Net .93 TELEX No. JMP-01 Jach (Closed Circuil) 32 F 83025 .................................... 50 TELEX No.JMP-02 lack (Open CIrcult)
32 F 83033
Number

# Replacement Speakers and Baffles 

## OVAL



SQUARE


## LAFAYETIE ECONOMY-LINE PM SPEAKER

Top quality replacement speakers. Selected for universal application rugged construction-standard configurations. All have 3.2 ohm voice coils. Made in U.S.A. except 99 Series are imported.

| Stock No. | Sire | Shape | Mag. Wt. | Peak Watts | Shpe. WI. | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99F52689 | $4^{\circ \prime}$ | Square | . 60 02 . | 3.0 | 1/2 | 1.49 |
| 99 F 62697 | $5 *$ | P.C. | . 6802. | 4.0 | $1 / 2$ | 1.79 |
| 32 F 01092 | 5x7 | Oval | 1.002. | 5.0 | 314 | 2.53 |
| 32 F 01076 | 6x9' | Dval | 1.4702. | 7.0 | 11/2 | 3.09 |
| 32 F 01043 | 6x9* | Oval | 2.1502. | 8.0 | $11 / 2$ | 3.69 |

## utalk

MICROGAP PM SPEAKERS


Features famous MICROGAP precision in centering of voice coil, giving incfeased and uniform sensiltivity. All heavily cadmium plated rust proof construction. All with alnico $V$ magnets. All voice coils $3-4$ chms except $12^{\circ}$ is 8 ohms. \$ With provisions for mounting transformer.

| Stock Na. | Sire-Shape | Program <br> Power <br> Watts | Mag. 02. | Fig. | Shpg. Wt. Lbs. | Net Es. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 49141 | $5 \times 3$ OVAL | 4 | . 55 | D | $1 / 2$ | 2.34 |
| 32 F 49018 | 312" SQUARE | 3 | . 68 | A | $1 / 2$ | 2.31 |
| 32 F $49026 \dagger$ | 4*SOUARE | 5 | 1.2 | A | 1/2 | 2.70 |
| 32 F 49034 | $4 \times 6$ OVAL | 5 | 1.2 | 0 | 3/4 | 3.25 |
| 32 F $49042 \dagger$ | 5* P. C. | 5.5 | 1.2 | 8 | $1 / 4$ | 2.99 |
| 32 F 49455 | $6^{\circ} \mathrm{P} . \mathrm{C}$ | 6 | . 68 | B | 3/4 | 3.15 |
| 32 F 49471 † | $6^{\prime \prime}$ P. C. | 5.5 | 10 | 8 | $11 / 2$ | 4.41 |
| 32 F 49067 | 6x9 OVAL | 10 | 3.16 | D | 1 | 5.42 |
| 32 F 49453 | $8^{\prime \prime}$ P. C. | 8 | 1.47 | B | $11 / 2$ | 3.81 |
| 32 F 49075 $\dagger$ | $8{ }^{* \prime}$ ROUND | 10 | 3.16 | c |  | 5.75 |
| 32 F 49083 $\dagger$ | $12^{\prime}$ ROUNO | 14 | 6.8 | C | 53/4 | 8.75 |

## UTAH TAPE RECORDER SPEAKER

$53^{\mathrm{m}}$ oval. Rated 4 watts Program 3.2 ohm voice coll 32 F 49141 Shpg. w1., $1 / 2 \mathrm{lb}$.

## UTAH INTERCOM SPEAKERS

High sensitivity, especially designed for "talth-back" circuits. Ideal for selective paging systems. Use as speaker and microphone. All 45 ohm voice coil impedance.

| \$tock No. | Size-stare | Mat. wt. | $\begin{aligned} & \text { Peat } \\ & \text { Watts } \end{aligned}$ | 7 F | ). | Depth |  | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 49125 | 31/2" SQUARE | 68 | 4 | A | 31/8" | 17/6 |  |  |
| 32 F 49133 | 4 "SQuARE | . 68 | 4 | A | $4 \%_{0}{ }^{\circ}$ | 1\%. | $1 / 2$ | $02$ |



MODERM SPEAKER baffles
as low $3^{05}$
Well built plywood speaker baffles for Indoor public address and paging systems, intercoms, extension speakers, etc. Friese-design grille cloth, modern walnut finish. Baffle for $5^{\prime \prime}$ speaker is $736^{\prime \prime}$ 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 bottom 4"". For $12^{\prime \prime}$ speaker, $13^{\prime \prime}$ square; Depth at too $81 / 2^{\prime \prime}$, at bottom $41 / 2^{\prime \prime}$

| Siock No. | Description | Wt. ths. | Singly <br> Each | Lols of 3 <br> Each |
| :--- | :--- | :--- | :---: | :---: |
| 20 F 13068 | For $5^{\prime \prime}$ or $6^{\prime \prime}$ | $11 / 2$ | 3.39 | 3.05 |
| 20 F 13076 | For $8^{\prime \prime}$ | 174 | 3.95 | 3.55 |
| 20 F 13004 | For $12^{\prime \prime}$ | 3 | 5.69 | 5.19 |

P18. "A"

## EXACT REPLACEMENT MINIATURE SPEAKERS

Quabity Alnico PM speakers for replacement in transistor portable sets. Ideal for the experimenter. "have mtg. holes on 2 " centers; $\dagger$ on $1 \mathrm{Ka}_{3}$ centers; OHMS is Voice coil impedance. Dimensions given are overall. Imported.

| Stock No. | Fig. | Diam. | Depth | Ohms | Wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 F $60352 \dagger$ | A | $11 / 2^{\prime \prime}$ | 1\%/" | 10 | 302. | 99 |
| 99 F 60360 | C | 2 | \% | 8 | 302. | . 99 |
| 99 F 50378 | C | 214* | 110 | 8 | 302. | 99 |
| 99 F 60388 | C | 218" | *1/4 | 8 | 402. | . 99 |
| 99 F 60394* | 8 | 21/2" | 11/" | 3-4 | 502. | . 99 |
| 99 F 80972* | 8 | 21/2" | 14\%" | 10 | 602. | . 99 |
| 99 F 60329 | E | 3" | 1\%0" |  | 8 oz . | . 99 |

## LAFAYETTE SPEAKERS FOR CAR RADIOS AND TAPE PLAYERS

## SET OF 2 UNDER.DASH $3 \times 5^{\prime \prime}$ MATCHING SPEAKER SYSTEMS

$2-3 \times 5$ " wide-range ceramic speakers mounted in plastic housings will mount under dash, under seats, on kick panels, doors, or rear package shelf. Includes all necessary cables and mounting hardware. imported.
99 F 62994 Shpg. wt., 3 lbs. Net 6.95


## CUSTOM IN-DOOR SET OF 4 SPEAKERS

Get that full, rich stereo sound from your car tape plaver. Ready for quick installation. Improves the sound and performance of any car tape player. Kit includes: Four $4 y_{4}$ " extended range 8 . ohm PM speakers: four round custom mount plastic speaker grills: all necessary hookup wire with solderless connectors mounting hardware and easy-to follow instructions. imported.


## SET OF 2 DELUXE REAR DECK MATCHING SPEAKER SYSTEMS

Set of two powerful $4^{\prime \prime}$ speakers mounted in handsome ebony plastic cabinets with silver trim. Specially designed to mount on car's rear deck. Can also be surface mounted anywhere. Provides outstanding sound reproduction. includes all necessary cables and mounting hardware. Imported. 99 F 52986 Shpg. wt., 3 lbs.

Net 9.95


Frames consiructed of plywood, front panels of acoustically correct particle board. Locked corners for maximum strength. Attractlve recessed front, beautiful walnut wood-grain fabric covering. Complete with speaker mounting hardware.

| Stock No. | Utah Ne. | Fit | $\begin{aligned} & \text { for } \\ & \text { spk. } \end{aligned}$ | $\sum_{\text {Hxwen }}^{\text {Size }}$ | Stor | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20 F 48122 | SS8-W | A | $8^{\prime \prime}$ | 14×151/2x81/4 | 41/4 | 9.39 |
| 20 F 48148 | CS8-W | B | 8 " | $91 / 2 \times 91 / 2 \times 61 / 4$ | 2 | 5.30 |
| 20-48155 | CS12-W | B | 12" | $131 / 2134 / 2 \times 83 / 4$ | 2 | 8.25 |

[^15]
# Auto-Speaker Kits - Auto Speakers - Accessories <br> PAIR OF TRUSONIC DIE-CAST 



## 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 swltch for cutting in front, rear, or both speakers; dlal plate with mounting bracket, hnob and hardware; chrome grille, wire and wiring instructions. Fader controlled kits are identical except in place of switch a fader
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 colls to match $40,20,8 \cdot 10$ ohms or less; work with all sets, fransistorized or tube. Simple to install.

| STOCK NO. | SPEAKER | MAG. 02. | CONTROL | RaOIO TYP | W | NET |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 22098 | $5 \times 7$ | . 68 | Switch | Tube | 13/4 | 3.99 |
| 32 F 22072 | 6x9 | . 68 | Switch | Tube | 14/4 | 4.39 |
| 32 F 22114 | $6 \times 9$ | 2.15 | Fader | Tube | $11 / 4$ | 5.29 |
| 32 F 22023 | $6 \times 9$ | 1.47 | Fader | Trans. | 2 | 5.69 |
| 32 F 22031 | $6^{\prime \prime} \dagger$ | 1.47 | Fader | Trans. | $11 / 2$ | 4.79 |

+ This kit for installation in autos with recess between seats in rear. No grille supplled.


## REPLACEMENT AUTO PM SPEAKERS

All have multi-impedance voice coils to maich all transistor sets. Will match 40, 20, 8 ohms or less. Slimline design

| $\begin{aligned} & \text { \$Tock } \\ & \text { NO. } \end{aligned}$ | SIZE-SHAPE | V.C. IMP. | $\begin{aligned} & \text { PEAK } \\ & \text { WATTS } \end{aligned}$ | $\begin{aligned} & \text { MAG. } \\ & \text { OZS. } \end{aligned}$ | SHPG. WT. | NET |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 22049 | $6 \times 9^{\prime \prime} 0 \mathrm{oval}$ | Multi-ohm | 7 | 1.4) | 11/2 | 3.99 |
| 32 F 22148 | 6x9" Oval | Multi-ohm | 12 | 5.0 | $11 / 2$ | 5.49 |
| 32 F 22056 | 6 \% round | Multi-ohm | 7 | 1.47 | 1 | 3.59 |
| 32 F 22155 | $4 \times 10^{\prime \prime}$ Oval | Multi-ohm |  | 2.15 | 11 | 4.09 |

UTAH AUTO SPEAKERS
A complete llne of speakers of replacement for all types of auto sets Including the new transistorlzed sets. Voice coll impedances where shown as " $10 / 20 / 40$ " are 40 ohm tapped useable for either impedance and are specially designed for transistor sets. \#ndlcates shallow type, only $2^{1 / 8 "}$ deep.


DELUXE SPEAKER GRILLES
Dress up original equipment or accessory speaker installations with a contemporary styled two. toned slotted speaker grille. Molded high impact black cyco. lac with raised chrome bead and luxurious black and chrome medallion, dress up speaker installations. With chrome bolts, nuts.

## $5 \times 7$ Beluze Gritle

32 F 57029 Wt., 602.
6 I $9^{0 \prime}$ Delure Grille
32 F 57003 Wt., 6 oz.
SPEAKER GRILLES
Handsome perforated metal grilles for rearseat speaker use or other installations. Avg. Shpg. wt., 1 th.

CHROME GRILLES
32 F 34010 5×7"
Net 2.29
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., 1/2 lb.

FADER TYPE (Fig. A)
Controls the volume of both front and rear speakers. Gradually reduces the polume on one while increasing vilume on the other. 32 F 22585

Met Ea. 75
SWITCH TYPE (Fig. A)
Gives choice of front speaker alone, reat speaker alone, or both together 32 F 22577

Net Ea. . 70
Net 1.09
32 F 34028 6×9"
Net 1.09

## 2 F $340695 \times 7^{\circ 0}$ (Non-Reflecting <br> 32 f $340776 \times 9^{* \prime}$ Net............................ Net 98

STEREO MI-FI SPEAKERS


The ultimate in automobile speakers. Trusonic Engineers have developed these fine $5^{\prime \prime}$ full range speakers to fit into your car doors or mount on rear deck. Each speaker teatures a rigid dle cast frame, free cone suspension, full two pound ceramic magnet structure and a 1" edge wound wire ribbon voice coil. Handles 12 full watts of power. This combination results in brilliant clean highs to $18,000 \mathrm{~Hz}$ and deep solid bass response down to 50 Hz . Kit is supplied complete with speakers, snap-on chrome plated grilles, mounting hardware, wire and instructions. Shpg. wt., 8 lbs.
32 F 494892 speaker kit .... Net 29.95
CUSTOM 2-WAY
REAR SEAT SPEAKER KIT


This two-way 6x9" auto speaker was speclatly designed to satisfy the demand for the finer tone quality ayailable 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 $3^{\prime \prime}$ (weeter for high frequencies, and matches 8, 10, 20, or 40 ohm outputs for universal use. 6-02. ceramic magnet with power handilng capacity of 10 watts. Complete with chrome grille, fader control, hardware, wire. and Illustrated instructions. Wt., $3 \frac{1}{4}$ lbs. 32 F 49448
OUAL HI-FI REAR-SEAT SPEAKER KIT


- Woofer-Tweeter-Crossover

Multi-impedance volce coil, 10,20 or 40 ohm, for all transistor 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.
32 F 49331 Shpg. wt. 2 lbs.
Net 8.95

## LAFAYETTE "VARY-MOUNT" <br> SPEAKER FOR CAR RADIOS AND TAPE PLAYERS


only
$3^{95}$
Deluxe flush-mounting speaker with beautiful chrome grill. Ideal for use as an auto speaker or anywhere shallow depth is required. Full range speaker has heavy magnet and offers outstanding sound quality. Can also be used as a celling or wall mount speaker in your home. Imp., 8 ohms. Overall dia.: 61/4". Imported. Wt., 2 lbs.
99 F 01794
Net 3.95

## 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 'Ko" dia. with $23 \mathrm{~h}^{\prime \prime}$ " long $\mathrm{x} 1 / 4^{\prime \prime}$ dia, round shafts. Shaft can be easily cut to any required length. Supplied with two shafts and knob adaptors for knurled and push-on-knobs, one Palnut and instruction sheet. Shpg, wt., 4 oz .

| Stock No. |  We. | Onms | TM. | Steck Ne. | Mif. He. | 0**) | Tpr. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 11107 | U. 1 | 100 | 4 | 33 F 11370 | U-36 | 75K | 1 |
| 33 F 11115 | U-2 | 500 | 4 | 33 F 11388 | U-39 | 100K | 1 |
| 33 F 11511 | U-52R | 500 | 2 | 33 F 11396 | U-40 | 100k | 2 |
| 33 F 11123 | U-751R | 750 | 2 | 33 F 11404 | U-41 | 100K | 4 |
| 33 F 11131 | U-3 | 1K | 2 | 33 F 11412 | U-415 | 125K | 4 |
| 33 F 11145 | U-4 | 1K. | 4 | 33 F 11412 |  |  |  |
| 33 F 11156 | U.5 | 1500 | 2 | 33 F 11420 | U-42 | 150K | 1 |
| 33 F 11164 | U.5L | 1500 | 4 | 33 F 11438 | U.43 | 200K | 4 |
| 33 F 11172 | U.6 | 2H | 4 | 33 F 11446 | U. 44 | 250K | 1 |
| 33 F 11180 | U.7 | 2500 | 2 | 33 F 11453 | U. 45 | 250k | 2 |
| 33 F 11198 | U-8 | 3K | 4 | 33 F 11461 | U-46 | 250K | 4 |
| 33 F 11206 | U-9 | 3K | 2 | 33 F 11479 | U. 48 | 500K | 1 |
| 33 F 11214 | U-12 | 5K | 1 | 33 F 11487 | U-50 | 500K | 4 |
| 33 F 11222 | U-14 | 5K | 4 | 33 F 11495 | U-51 | 750K | 1 |
| 33 F 11230 | U-18 | 10x | 1 | 33 F 11503 | U-52 | 1 Meg . | 2 |
| 33 F 11248 | U. 19 | 10K | 2 |  |  |  |  |
| 33 F 11255 | U-20 | 10K | 4 | 33 F 11529 | U-53 | 1 Meg. | 1 |
| 33 F 11263 | U-21 | 15K | 1 | 33 F 11537 | U.54 | 1 Meg . | 4 |
| 33 F 11271 | U-22 | 15K | 2 | 33 F 11545 | U-155 | 1.5 Meg. | 4 |
| 33 F 11289 | U-24 | 20K | 1 | 33 F 11552 | U. 55 | 2 Meg. | 1 |
| 33 F 11297 | U. 26 | 20K | 4 | 33 F 11560 | U. 56 | 2 Meg. | 4 |
| 33 F 11305 | U-28 | 25k | 2 | 33 F 11578 | U-255 | 2.5 Meg . | , |
| 33 F 11313 | U-28A | 25k | 1 | 33 F 11586 | U. 57 | 3 Meg . | 1 |
| 33 F 11321 | U-29 | 25K | 4 | 33 F 11594 | U-59 | 3 Meg . | 4 |
| 33 F 11339 | U.30 | 301 | 4 | 33 F 11602 | U. 63 | 5 Meg . | 2 |
| 33 F 11347 | U.33 | 50K | 1 | 33 F 11610 | U-65 | 5 Meg. | 1 |
| 33 F 11354 | U. 34 | 501 | 2 | 33 F 11628 | U-67 | 5 meg - | 4 |
| 33 F 11362 | U-35 | 50K | 4 | 33 F 119636 | U-82 | 10 Meg . | 4 |

Any of above
Singly Ea. 1.02

## SINGLE TAPPED MIOGETROLS

Shpg. wt., 40 oz.

| Stock Ma. | Mt. N. | Otins | Tat | Steet Mo. |  | Olmens | $\begin{aligned} & \text { Tap } \\ & \text { At } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 11894 | UT-153 | 15K | 10K | 33 F 11743 | UT-438 | 1 Meg. | 300 K |
| 33 F 11651 | UT-415 | 30K | 25K | 33 F 11750 | UT-443 | 1 Meg . | 450K |
| 33 F 11659 | UT-420 | 250K | 50K | 33 F 11768 | UT-450 | 2 Meg . | 125K |
| 33 F 11677 | UT-421 | 250K | 150k | 33 F 11776 | UT-448 | 2 Meg. | 250x |
| 33 F 11685 | UT-425 | 350K | 70K | 33 F 11784 | UT-454 | 2 Meg. | 400K |
| 33 F 11693 | UT-429 | 500K | 50K | 33 F 11792 | UT-449 | 2 Me | 600K |
| 33 F 11701 | UT-427 | 500 K | 100K | 33 F 11800 | UT-451 | 2 Mer. | 900 K |
| 33 F 11719 | UT-430 | 500K | 150K | 33 F 11818 | UT-457 | 3 Meg. | 900K |
| 33 F 11727 | UT-431 | 500 K | 225K | 33 F 11826 | UT-461 | 3.25 M . | 300x |
| 33 F 11735, | UT-440 | 1 Meg. | 200K |  |  |  |  |

Any of above
Singly ea. Net 1.25

## DOUBLE TAPPED MIDGETROLS

Shpg. wi., 407.

| Stock $\mathrm{Ne} .$ | $\begin{aligned} & \text { Mifs. } \\ & \text { Me. } \end{aligned}$ | Overall Resistances | Tap ResistancesTap 1 Tap 2 |  |
| :---: | :---: | :---: | :---: | :---: |
| 33 F 11834 | UDT-283 | 500K | 100K | 200k |
| 33 F 11842 | UDT-289 | 1 Meg. | 250K | 500 K |
| 33 F 11859 | UDT-291 | 1.5 Meg. | 225K | 500K |
| 33 F 11867 | UDT-295 | 2.25 Meg. | 250x | 500K |
| 33 F 11875 | UDT-296 | 2.25 Meg. | 500K | 1 Meg. |
| 33 F 11883 | UDT-303 | 3.3 Meg. | 300K | 1.5 Meg . |

Any of above

SU INSULATED SHAFT MIDGETROLS FOR TV
1/4" dia. carbon controls with $1 / 4^{\prime \prime}$ dia. fixed knurled and slotted phenolic shafts. Shaft protrudes $1 / 4^{\prime \prime}$ beyond bushing. Linear taper. With hex nut. Shpg. wt., 3 oz .

| Stach Mo. | mis. No. | Oinms | Steek Mo. | Mis. Mo. | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 12089 | SU-6 | 1500 | 33 F 12154 | SU-46 | 250K |
| 33 F 12097 | SU-8 | 3K | 33 F 12152 | SU. 50 | $\begin{aligned} & 250 \mathrm{~K} \\ & 500 \mathrm{~K} \end{aligned}$ |
| 33 F 12105 | SU-14 | 5K | 33 F 12170 | SU.54 | 1 Mer. |
| 33 F 12113 | SU. 20 | 10K | 33 F 12188 | SU. 56 | 2 Mer. |
| 33 F 12121 | SU-29 | 25K | 33 F 12195 | SU-565 | $2.5 \text { Mea. }$ |
| 33 F 12139 | SU. 35 | 50 K | 33 F 12204 | SU-59 | 2.5 Mea. |
| 33 F 12147 | SU.41 | 100K | 33 F 12212 | SU-67 | 5 Mer . |
|  |  |  | 33 F 12220. | SU-69 | 7.5 Meg . |

Any of the above

## ATTACHABLE MIDGETROL SWITCHES



Midgetnol types U. UT and UDT- with dummy terminal $\dagger$ with buili-in switch/circuit breaker, breaks at 2.5 amps , resets by turning to "off" position. ST types rated 6 amps/125V. DT types rated 3 amps/ 125V. Shpg. wt., 3 oz.


OS. 36 Extension Shaft $2^{13} 3_{4}{ }^{* \prime}$ long $x 1 / 4^{*}$ dia. For tubular shaft Mid and 2 -watt wire-wound controls. Shpg. wt., 3 oz, 33 F 11933(DS-36)

DS-37 K." diameter shaft. For use with round-shaft Midgetrols to accommodate knobs requiring ke" shaft. Shpg. wt. 3 oz.

33 F 11941 (DS-37)

## PUSH-PULL CONTROLS

Carbon efement controls with a Push-Pufl type SPST switch permanently attached. Switch rated 6 amps/125V. UL listed. Rated 1 watt linear or $1 / 2$ watt audio. Size ${ }^{1 / g a}$ " dia. with $2^{\prime \prime}$ long $x 1 / 4^{\prime \prime}$ dia. shaft. No assortment for quantity prices. Shipg. wt., 3 oz.

| Sleck No. | MIE. Ho. | Ohms | Taper | Net Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $1-24$ | 25-49 |
| 33 F 12808 | PP.13R | 1K | 1 | 1.35 | 1.22 |
| 33 F 14820 | PP. 252 R | 2.5K | 1 | 1.35 | 1.22 |
| 33 F 14838 | PP-253R | 25K | 1 | 1.35 | 1.22 |
| 33 F 14846 | PP-151 | 100K | 4 | 1.35 | 1.22 |
| 33 F 12816 | PP-15A | 100K | 1 | 1.35 | 1.22 |
| 33 F 12824 | PP-25L | 200K | 4 | 1.35 | 1.22 |
| 33 F 12832 | PP-254A | 250K | 1 | 1.35 | 122 |
| 33 F 12840 | PP-55A | 500k | 1 | 1.35 | 1.22 |
| 33 F 12857 | PP-55i | 500K | 4 | 1.35 | 1.22 |
| 33 F 12865 | PP.16A | 1 Meg. | 1 |  |  |
| 33 F 12873 | PP 16 L | 1 Meg. | 4 | 1.35 | 1.22 |
| 33 F 12881 | PP.155L | 1.5 Meg. | 4 | 1.35 | 1.22 |
| 33 F 12899 | PP -26A | 2 Meg. | 1 | 1.35 |  |
| 33 F 14053 | PP-36L | 3 Meg , | 4 | 1.35 | 1.22 |
| 33 F 12907 | PP-56L | 5 Meq . | , | 1.35 | 1.22 |


| TAPPED TVPES |  |  | Net Each |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Steck No. | Ohms | Tapped@ | Taper | 1.24 | 25-49 |
| 33 F 12915 | 250K | 100K-150K | 4 | 1.59 | 1.43 |
| 33 F 12923 | 500 K | 200 K | 4 | 1.59 | 1.43 |
| 33 F 12931 | 500k | 78k-168K | 4 | 1.59 | 1.43 |
| 33 F 12949 | 500K | 250K | 1 | 1.55 |  |
| 33 F 12956 | 1 Meg. | 500k | 2 | 1.59 | 1.43 |
| 33 F 12964 | 1 Meg. | 100K | 1 | 1.59 | 1.43 |
| 33 F 12972 | 1 Meg. | 200K | 2 | 1.59 |  |
| 33 F 12980 | 1 Meg. | 250k-500K | 4 | 1.59 | 1.43 |
| 33 F 12998 | 2 Meg . | $500 \mathrm{~K}-1 \mathrm{Meg}$. | 1 | 1.59 | 1.03 |
| 33 F 13012 | 2 Meg. |  | 4 |  |  |
| 33 F 13020 | 3 Meg . | 1 Meg.-2 Meg. | 4 | 1.59 | 1.43 |
| 33 F 13038 | 4 Meg . | 2 Meg. | 4 | 1.59 | 1.43 |



Net .55

Met Each

## 33 F 12915

## 33 F 12931

33 F 12949
33 F 12964
33 F 12972
33 F 12998

# Mallory Controls 

MALLORY PRINTED CIRCUIT MINITROLS


Carbon transistor controls, all linear taper. rated $1 / 4$ watt. Diameter $1 / 2^{\prime \prime}$. No shaft, al open screwdriver slot adjustment. $1 / 4 * \cdot 32$ bushing. Choice of horizontal or vertical mount. Shpg. wt., $20 z$.
Type MTC. 1


Type MTC-4


For AGC. hum-balancing, linearity, etc. $7 / 4{ }^{\prime \prime}$ diam. Fwr conversion from cross-siot adjustment to shaft, use shafts ßisted below. Shpg, wt. 2 oz.

MR-F 3-WATT FLANGE MOUNT
Mounting ears with $.130^{\circ \prime}$ dia. holes on $1^{*}$ center. Cross-slot adjustment. front and rear.

| Stock No. | tift. Mo. | Otmes | Steet 10. | matr. Mo. | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 16007 | MR6F | 6 | 33 F 15098 | MR600F | 600 |
| 33 F 16015 | MRI5F | 15 | 33 F 16106 | MRT50F | 750 |
| 33 F 16023 | MR4OF | 40 | 33 F 16114 | MR1000F | 1000 |
| 33 F 16031 | MR75F | 75 | 33 F 16122 | MR 1500 F | 1500 |
| 33 F 16049 | MR100F | 100 | 33 F 16130 | MR2000F | 2000 |
| 33 F 16056 | MR150F | 150 | 33 F 16148 | MR2500F | 2500 |
| 33 F 16064 | MR200F | 200 | 33 F 16155 | Mr3000F | 3000 |
| 33 F 16072 | MR250F | 250 | 33 F 16163 | MR 2000 F | 4000 |
| 33 F 16080 | MR500F | 500 | 33 F 16171 | MRS000F | 5000 |

Any of above
MR-P 3-WATT PC MDUNT
Printed circult board mounting with cross-stot adjustment, front and rear.

| Stock No. | Mifr. No. | Ohme | Steen Mo. | Mir. Ne. | Chms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 16189 | MR1.5P | 1.5 | 33 F 18247 | MR1000P | 1000 |
| 33 F 16197 | MR15P | 15 | 33 F 15254 | MaIS00P | 1500 |
| 33 F 16205 | MR100P | 100 | 33 F 15262 | MR3090P | 3000 |
| 33 F 16213 | MR1758P | -175 | 33 F 16270 | MR4009P | 4000 |
| 33 F 16221 | Hezensp | +260 | 33 F 16280 | MRS000P | 5000 |
| 33 F 16239 | MRECOP | 600 |  |  |  |

*Stop at 60 ohms. tStop at 100 ohms.
Any of above
Net ea. . 66

Convergence controls with printed circuit board mounting and permanent knob.

| Stock No. | mitr. No. |  | Onms | Stect th. | , |  | Ohm |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 16296 | MLET19P |  | 10 | 33 | MIC100P |  | 100 |
| 33 F 16304 |  |  | 30 | 33 F 113338 |  |  | 120 |
| 33 f 16312 | Mint |  | 60 | 33 F 16346 | Mact |  | 150 |
| Any of above |  |  |  |  |  |  |  |
|  |  |  |  | AB |  |  |  |
| With iwist-tabs for mounting on PC board or chas |  |  |  |  |  |  |  |
| Stoc: No. | MIg. No | Ohms | 3 Ea. | Steet Me. | Mfe. No. | Ohmens | 5 |
| 33 F 14861 | MRIO-T | 10 | 0 O 66 | 33 F 14945 | MR2500.T | 2500 | 0 |
| 33 F 14887 | MR50-T | 50 | 0 . 66 | 33 F 14952 | MR31000.T | 3000 | 0.70 |
| 33 F 14895 | MR100-T | 100 | - 66 | 33 F 14960 | MR 4000-T | 4000 | 0 |
| 33 F 149 C 3 | MR250-T | 250 | - 66 | 33 F 14978 | MR5000-T | 5000 | 0 |
| 33 F 14911 | MR500-T | 500 | - 66 | 33 F 14986 | MRASOO-T | 8000 | 0 |
| 33 F 14929 | MR850-T | 850 | - 66 | 33 F 14594 | MR19K-T | 10K | K . 83 |
| 33 F 1493 | MR1000.T | 1000 | 0 1.65 | 33 F 14 | MR1SK-T | 15K |  |

## SHAFTS FOR MR CONTROLS

Mallory No. MRS1250-1/4" dia. $11 / /^{\prime \prime \prime}$ FMS knurled and slotted nyion. Plurs into elther end of MR control.
33 F 16353
Prices and Specifications are Suliect to Change Without Notice

# Volume Controls-T \& L Pads-Rheostats 

# LAFAYETTE $1 / 2$ WATT AUDIO TAPER CONTROLS WITH SWITCH <br> Popular Universal Replacement Controls 

REPLACEMENT 5,000 OHM VOLUME CONTROL FORN JAPANESE TRANSISTOR RADIOS

A volume control with the proper resistance dimensions and mounting for replacement in thousands of Japanese transistor radios. A 5,000 ohms potentiometer with S.P.S.T. switch. Only 5/a" dia., $1 / \mathbf{c}^{* \prime}$ total depth. Easily installed in printed circuits. Comes with "3:" dia. knob. Shpg. wt., 2 ors. Imporied. 99 F 60196


## SUB-MINIATURE VARIABLE CONTROLS

 $39^{\text {c }}$SIZE-3/8" Dia. 1/8" Thick
Carbon composition potentiometers built for the most compact installations. Ideal for printed circuits. Shpg. wt.. 2 oz . Imported

| Stock No. | Ohmage | Net Ea. |
| :--- | ---: | ---: |
| 99 F 61426 | 1,000 | .39 |
| 99 F61434 | 5,000 | .39 |
| 99 F 61442 | 10,000 | .39 |
| 99 F 61459 | 50,000 | .39 |
| 99 F 61467 | 500,000 | .39 |

11/8" da. controf with $1 / 4^{\prime \prime}$ dia., $21 / 2^{\prime \prime} \mathrm{L}$, round shaft. Control rated $1 / 2$ watt audio; switch rated 3 amp. -125 V . (AC/DC). Bushing: 3 " $32 \times 3{ }^{3}$ ". Complete with hardware. Imported. Shpg. wt., 2 oz.
99 F63521 1 meg.
99 F 63513 1/2 meg.
ea. 59

## VOLUME CONTROL ACCESSORIES



Shpg. wt., 2 or.

| Stock No. | Fig. | Description | Net |
| :---: | :---: | :---: | :---: |
| 33 F 11974 | A | Extends control body S/8" from surface | 22 |
| 33 F 11982 | 0 | Wrench for $1 / 2-X_{0}{ }^{\text {c/ V }}$ V.C. hex nuts | . 85 |
| 33 F 11990 | E | Ext. Shaft $4 \times 1 / 4,1 / z^{\prime \prime}$ flat | . 95 |
| 33 F 12014 | E | Ext. shaft $4 \times 1 / 4,8_{2}{ }^{\prime \prime}$ flat | . 95 |
| 33 F 12022 | E | Ext. shaft 4x\% $\mathrm{K}_{4}$, X $\mathrm{Km}^{\prime \prime \prime}$ flat | . 95 |
| 33 F 12030 | E | Ext. shaft $2 \times 1 / 4$ with 8 zes slot | . 81 |
| 33 F 12048 | 8 | Couples $14^{\prime \prime}$ shaft to $1 / 4^{\prime \prime \prime}, X_{0}^{\prime \prime}$ shafts | 72 |
| 33 F 12055 | C | Bushing for panel mounting | 20 |
| 33 3 3 12063 | F | Mig. Bkt. $21 / 2{ }^{\prime \prime} \mathrm{Mtg}$. centers | . 05 |
| 33 F 12071 | F | Mtg. Bkt. 13/4" Mtg. centers | . 05 |
|  |  | MALLORYT and L. PAD ATTENUATORS |  |

For Level Control of low impedance audio circuits. Rated at 15 watts peak audio, 4 watts DC. Accessories furnished: one bar knob, one dial plate, with matched rotation, one nut, one lock washer. Bushing $3 / 6^{\prime \prime}-32 \times 3 / \mathbf{R}^{\prime \prime}$, shaft $1 / 6^{\prime \prime} \times 2^{\prime \prime}$ long. Shpg. wi., 6 or.
L.PADS

| Stoch No. | Mfg. No. | Ohms | Stock No. | Mfg. No . | Dhms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 13756 | 12 | 2 | 33 F 13830 | 1250 | 250 |
| 33 F 13764. | 14 | 4 | 33 F 13848 | L500 | 500 |
| 33 F $13772{ }^{\circ}$ | 16 | 6 | 33 F 13855 | 1600 | 600 |
| 33 F 13780 | 18 | 8 | 33 F 13863 | 11000 | 1 K |
| 33 F 13798 | 115 | 15 | 33 F 13871 | 12000 | 2 K |
| 33 F 13806 | L50 | 50 | 33 F 13889 | 13000 | 3 K |
| 33 F 13814 | 1100 | 100 | 33 F 13897 | L4000 | 4 K |
| 33 F 13822 | L200 | 200 | 33 f 138 | 4400 | 4 K |
| Singly Each |  |  |  |  | 2.73 |

Same as above with a $3 / n^{\prime \prime}-32 \times 1^{\prime \prime}$ Bushing. 2 nuts, 2 lock washers. $14 / 2 \times 1 \mathrm{v} / 2^{\prime \prime}$ dial plate. Shpg. wt., 6 or.

| Stock No. | Mfic. No. | 0 hms | Stock No. | Mig. No. | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 13905 | L8A | 8 | 33 F 13513 | L16A |  |
| Singly Each |  |  |  | L | 2.85 |



| Stock No. | Mfig. No. | Ohms | Stockive. | Mig. No. | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 13954 | 12 | 2 | 33 F 14036 | T200 | 200 |
| 33 F 13962 | T4 | 4 | 33 F 14044 | T250 | 250 |
| 33 F 13970 | T6 | 6 | 33 F 14051 | 1500 | 500 |
| 33 F 13988 | T8 | 8 | 33 F 14069 | T600 | 600 |
| 33 F 13996 | T15 | 15 | 33 F 14077 | T1000 | 1 K |
| 33 F 14010 | $T 50$ | 50 | 33 F 14085 | T2000 | 2K |
| 33 F 14028 | T100 | 100 | 33 F 14093 | T3000 | 3K |
| Singly Each | Shpg. wt.. | 12 lb |  |  | 3.54 |

## MINIATURE VOLUME CONTROLS



Audio Taper controls with D.P.S.T. switches. Mount in 5 保" holes in panels up to $1 / /^{\prime \prime}$ thick $1 / 4^{\prime \prime}$ flatted shaft is $3 / 4^{\prime \prime}$ long. Body dia. $3 / 4^{\text {" }}$ $x 91 \mathrm{k}$ " deep. Mounting nut and washer supplied. Imported. Shpg. wt., 3 oz.

## 32 F 22510 5K ohm

32 F 22528 loK ohm 32 F $225441 / 2 \mathrm{Meg}$
32 f 2253 s 100k ohm 32 F 22551 l Meg.
Any of Above
Net Each .67


## MALLORY OUTDOOR SPEAKER CONTROLS

Engineered for outdoor movie speakers. Rated 8 watts, audio. Bushing $3 / 8^{\prime \prime}-32 \times 3 / 8^{\prime \prime}$. Shaft $1 / 4^{\prime \prime}$ dila. $x 3 / 4^{\prime \prime}$ long. Supplied with nut. Shpg. wt., 307.

| Stock No. | Mfg. No. | Ohms | Net |
| :--- | :--- | :--- | :--- |
| 33 F 12238 | TSA-10 | 4 -ohm-L Pad | 1.35 |
| 33 F 12246 | TSA-35 | 35 | 1.35 |
| 33 F 12253 | TSA-6 | 6 | 1.14 |
|  |  |  |  |



Vitreous enamel theostat with copper graphite control brush except - sifver-graphite contact brush. Ohmages above 5000 have silicone ceramic coating. Rating indicated are at full setting. Less knob. Avg. shpg. wt., 5 oz .

| MOOEL E-121/2 WATT <br> 7/8" dia. W/8" deep <br> Stock No. Mig. No. |  | Ohms | MOOEL H-25 WATT 1Ko" dia. 13/8" deep Stock No. Mfg. No. |  | $\begin{gathered} \text { Net Each } \\ 1.4 \\ 5.9 \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $30 \mathrm{~F} 81114^{\circ}$ | 0101* | 1 | 30 F 81395 | 0140* | 5.50 | 4.68 |
| 30 F $81122^{\circ}$ | 0102* | 2 | 30 F 81403 | $014{ }^{*}$ | 5.50 | 4.68 |
| 30 F 81130 | 0103 |  | 30 F 81411 | 0142* | 5.50 | 4.68 |
| 30 F 81148 | 0104 | 6 | 30 F 81429 | 0143 * | 5.50 | 4.68 |
| 30 F 81155 | 0105 | 8 | 30 F 81437 | 0144** | 5.50 | 4.68 |
| 30 F 81163 | 0106 | 10 | 30 F 81445 | 0145* | 5.50 | 4.6 |
| 30 F 81171 | 0107 | 15 | 30 F 81452 | 0146 | 4.80 | 4.08 |
| 30 F 81189 | 0108 | 25 | 30 F 81460 | 0147 | 4.80 | 4.08 |
| 30 F 81197 | 0109 | 35 | 30 F 81478 | 0148 | 4.80 | 4.08 |
| 30 F 81205 | 0110 | 50 | 30 F 81486 | 0149 | 4.80 | 4.08 |
| 30 F 81213 | 0111 | 75 | 30 F 81494 | 0150 | 4.80 | 4.08 |
| 30 F 81221 | 0112 | 100 | 30 F 81510 | 0151 | 4.80 | 4.08 |
| 30 F 81239 | 0113 | 125 | 30 F 81528 | 0152 | 4.80 | 4.08 |
| 30 F 81247 | 0114 | 175 | 30 F 81536 | 0153 | 4.80 | 4.08 |
| 30 F 81254 | 0115 | 250 | 30 F 81544 | 0154 | 4.80 | 4.08 |
| 30 F 81262 | 0116 | . 350 | 30 F 81558 | 0155 | 4.80 | 4.08 |
| 30 F 81270 | 0117 | 500 | 30 F 81569 | 0156 | 4.80 | 4.08 |
| 30 F 81288 | 0118 | 750 | 30 F 81577 | 0157 | 4.80 | 4.08 |
| 30 F 81296 | 0119 | 1000 | 30 F 81585 | 0158 | 5.50 | 4.68 |
| 30 F 81304 | 0120 | 1500 | 30 f 81593 | 0159 | 5.50 | 4.68 |
| 30 F 81312 | 0121 | 2500 | 30 F 81601 | 0160 | 5.50 | 4.68 |
| 30 F 81320 | 0122 | 3500 | 30 F 81619 | 0161 | 5.80 | 4.93 |
| 30 F 81338 | 0123 | 5000 | 30 F 81627 | 0162 | 5.80 | 4.93 |
| 30 F 81346 | 4190 | 7500 | 30 F 81635 | 4200 | 6.00 | 5.10 |
| 30 F 81353 | 4191 | 10,000 | 30 F 81643 | 4201 | 6.00 | 5.10 |
| 30 F 81361 | 4192 | 12,500 |  |  | 6.60 | 5.81 |
| 30 F 81379 | 4193 | 15,000 | 30 F 11650 | 4202 | 6.60 | 5.61 |
|  |  | 20,000 | 30 F 81668 | 4203 | 7.30 | 6.21 |
|  | - | 25,000 | 30 F 81676 | 4204 | 8.10 | 6.89 |
| 5151 Knob for Model E <br> 5150 Knob for Model H |  |  |  |  |  |  |

## LAFAYETTE T \& L Pads-Faders -Switches

STEREO LEVEL BALANCE CONTROL

## - Dual Concentric

 80 hm 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 $21 /{ }^{\circ}$ across: overall depth $31 / 4^{*}$. Imported. Shpg. wt. 7 oz .
99 F 61400 Level Control
Net 2.89

## 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 mounled 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 sel of speakers. Plate is $41 / 2 \times 23 / 4$; from front of knob to plate $1^{\prime \prime}$; Overall depths 37/4". Imported. Shpg. wt., 10 oz .
99 F 61418 Deluxe Level Control ... Net 4.29


## LAFAYETTE L PADS

L pads for use as "brilliance" 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, mitg. screws, and attractive blach knob. Size: $1 \% 0^{\prime \prime}$ dia., 7/8" deep (less shaft), $21 /{ }^{\prime \prime}$ deep overall. Imported. Shpg. wt., 5 oz.
L pad for 8 ohm circuits.
99 F 61343
Net 1.89
L pad for 16 ohm circuits.
99 F 61350
Net 1.89

## 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., 902.
99 F 61368
Net 4.89


## LAFAYETTE REMOTE SPEAKER FADERS

As Low As

## $89^{\text {c }}$



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. W1., 302 .

## 99 F 61384

Net 89
Remote Speaker Fader. Same as above except for wall mounting. Imported. Shpg. wt.,
${ }_{99}{ }^{4}$ OZ. 61392
Net 1.09

## MULTI-INPUT SELECTOR CONTROL

 99


An all purpose selector control ... connects any one of 5 inputs to one output. For AM, FM radio. phono, tape recorder or other auxiliary. Unit is completely shielded to prevent hum, Comes complete with all necessary mounting hardware and 5 input phono jacks and one output phono jack. An inexpensive addition to any multi-component system. Imported. Shpg. wt., 6 oz. 99 F 10290

Net 1.99

## LAFAYETTE STEREO LEVEL CONTROL



- Logarithmic Curve


Two precision $8 \cdot 0 h m$ level controls concentrlcally 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\%.Hx $41 / 2 W \times 23 / 4{ }^{* D}$. Imported. Shpg. Wt. $100 z$. 99 F 61475 Net 3,98

(Fig. A)

- 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 selecton switch for mulliple-speaker stereo $\mathrm{Mi}-\mathrm{Fi}$. Selects 3 sets of speakers in any combination, with up to 60 watts of audio power. Mounted on an attractive, Rold-finished, steel, electric outlet plate. $23 / 4 \times 41 / 2^{\prime \prime}$. imported. Shpg. wt., 8 oz.
Stere Speaker Selector Switch 99 F 00986

Net 1.89
(Fig. B) As above in enclosed case $2 \mathrm{H} \times 4 \mathrm{Wx}$ $3^{\prime \prime D}$. Shpg. wt., 1002. 99 F 01018

Net 2.95

## VOLUME CONTROL ADAPTER



Built in volume control permits high volume signals to be fed into the high gain input of tape recorders withoul overloading. Phono jack input to a 2 -conducton standard phone plug autput. Completely shielded. Designed for use in unbalanced stereo channels; use in pairs for dual stereo channel control. Imported. Shpg. wt., 40 oz. 99 F 00994

Net 1.59

## 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 contacts capable of handling up to 60 watts audio. Imported. Shpg. wt., 702.
Wall Box Selector.
99 F 01745
Net 1.99
Enclosed Case Selector.
99 F 01752
Net 3.19

## LAFAYETTE MULTIPLE 6 SPEAKER SWITCHES


(A)
(B)

- Recommended only for Hifi Systems Using Vacuum Tube Circuitry
Muttiple speaker-switch Constant impedance device for controlling any 6 remote speakers; up to 63 different combinations. Wall mounting with brass plate. With instruc. trons and hardware. Shpg. wt., 5 oz.
99 F 00549 Imported. Fig. A.......Net 2.49 Multiple Speaker Switch Identical to above but mounted on flat. gold-embossed plate for mounting on flat panel. $31 / 2 \times 25 / \mathrm{B}^{\prime \prime}$. Imported. Shpg. wt., 5 oz.
99 F 00663 Fig. B
Net 1.99


## LAFAYETTE REMOTE <br> SPEAKER SWITCHES



Recommended only for Hi-fi Systems Using Vacuum Tube Circuitry
(FIg. A) For monaural use. Selects any one of 3. or any combination of 2 or 3 speakers with up to 60 watts of audio power. A constant impedance device. On gold finished steel electric outlet plate with black and Ivory knob. $23 / 4 \times 41 / 2$ ". Imported. Shpg. wt. 802.

99 F 00531
Net 1.59
(Fig. B) Same as above in enclosed case $31 / a x$ $41 / 2 \times 24 s^{\prime \prime}$. Imported. Shpg. wt., 11 oz . 99 F 00838

Net 1.98
STEREO SPEAKER WALL JACK KIT


49


A handsome lvory-finish wall stereo jack kit designed to be mounted in a standard outlet box. Ideal for remote amplifiers or for added stereo pleasure in the den, play room, etc. Contains fwo standard $1 / 4^{\prime \prime}$ phone plugs and two standard $1 / 4^{\prime \prime}$ phone jacks. Size: 4 K, $\times 211 / \mathbf{o n}^{\prime \prime} 1^{\prime \prime}$ back clearance requined. Imported. Shpg. wt., 602.
99 F 01364
Net 1.49

# Cutler Hammer Switches 

## AC - DC TOGGLE SWITCHES LIGHT DUTY - 3 to 6 AMPS

For use on small motor-driven tools and appliances where a sturdy switeh is required. Long life and high arc resistant.
 and " $1 / 4$. All have solder lug terminals except " $6^{\prime \prime}$ wire leads. § screw terminals. All 3 amps at 250 v except $\ddagger 1 \mathrm{amp}$. U.L. listed. Avg. shpg. wt., 3 oz.

| Stock No. | Mirs. Type | Contacts | Fic. | $\begin{aligned} & \text { Amps } \\ & 125 \mathrm{~V} \end{aligned}$ | $\begin{aligned} & \text { Net Each } \\ & 1.24 \quad 25.49 \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 F 33026 | 8280-K-14* | SPST | A | 3 | 70 | . 64 |
| 34 F 33034 | 8280-K15 $\dagger$ | SPST | A | 3 | . 70 | . 64 |
| 34 F 33042 | 8280.K16 | SPST | A | 3 | . 70 | . 64 |
| 34 F 33059 | 8282-K13 $\ddagger$ | SPDT | 6 | 3 | . 88 | . 81 |
| 34 F 33067 | 8282-K14! | SPDT | G | 3 | . 88 | 81 |
| 34 F 33083 | 8284-K14 | 2 Circ. | G | 3 | . 92 | 85 |
| 34 F 33091 | $8290 \times 15$ | SPST | 8 | 3 | . 84 | .77 |
| 34 F 33109 | 8290-K16 ${ }^{\prime \prime}$ | SPSI | 8 | 3 | . 84 | . 77 |
| 34 F 33117 | 8295.K7†8 | SPST | C | 3 | . 84 | . 77 |
| 34 F 33125 | 8295-K8 | SPST | C | 3 | . 84 | . 77 |
| 34 F 33133 | 8360-K6* | DPSI | G | 3 | 1.25 | 1.16 |
| 34 F 33141 | 8360-K7 | DPST | G | 3 | 1.25 | 1.16 |
| 34 F 33166 | 8363-K6* | DPDT | E | 3 | 1.44 | 1.33 |
| 34 F 33174 | 8363-K7 | DPDT | E | 3 | 1.44 | 1.33 |
| 34 F 33182 | 8363-K8 $\dagger$ | DPDI | E | 3 | 1.44 | 1.33 |
| 34 F 33208 | $8370 . \mathrm{K7}$ | DPST | G | 5 | 1.35 | 1.24 |
| 34 F 33224 | 8372-K7s | DPST | D | 6 | 1.62 | 1.52 |
| 34 E 33257 | 8375-K78 | DPDT | D | 6 | 1.99 | 1.84 |
| 34 F 33281 | 8391-K7 \# $\dagger$ | SPST | 8 | 6 | . 94 | . 87 |
| 34 F 33299 | 8391-K8\% | SPST | B | 6 | . 94 | . 87 |

## AC TOGGLE SWITCHES <br> LIGHT DUTY - 6 AMPS

For use in radios, appliances and other equipment which use snap action mechanism. All rated 6 amps at 125 V and 3 amps at 250 V . " Center-off position. Threaded stems are $\mathrm{H}_{2} \mathrm{in}$. dia.. stem rength $1 / y_{2}$. U.L. Iisted. Avg. shpg. wt., 3 or, $\uparrow$ indicates screw terminals. I indicates solder terminals.


| 34 F 33430 | 7580.k4 $\dagger$ | SPST | K |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 F 33448 | 7580.K6 $\ddagger$ | SPST | K |  | . 58 |
| 34 F. 33455 | 7581.K4+* | SPOT | K | . 63 | 77 |
| 34 F 33463 | 7581-K64* | SPDT | K | . 68 | . 63 |
| 34 F 33513 | 7582.K6\$ | SPDT | $k$ | . 68 | . 63 |
| 34 F 33521 | 7590-K4 + | DPST | F | 1.04 | . 9 |
| 34 F 33539 | 7590-K6 | DPST | F | . 91 | . 8 |
| 34 F 33547 | $7591 \times 4 \dagger^{\prime}$ | DPDT | F | 1.33 | 1.22 |
| 34 F 33554 | 7591.K64* | DPDT | F | 1.02 | . 94 |
| 34 F 33562 | 7592.K4 $\dagger$ | DPDI | F | 1.33 | 1.22 |
| 34 F 33570 | 7592.K64 | DPOT | $F$ | 1.02 | . |

## "ROCKETTE" SWITCHES

Modern design. dependable, with nylon rocker type actuator. Fast connect $.250^{\prime \prime}$ terminals. Requires $11 / 4 x$ "1/4" hole, U.L. and CSA listed. Shpg. wt., 3 oz.

| Stock N0. | Mft. Tyoe | Amperes 125V 250 V Cont. |  |  | $\begin{aligned} & \text { Met Each } \\ & 1.24 \quad 25-49 \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 F 3416 | 34K21A1M52 | 6 | 3 | SPST | 65 |  |
| 34 FF 34107 | 44K20A1M52 | 15 | 10 | SPDI | 84 | 74 |
| 34 F 34115 | 12K21E6M52 | 15 | 10 | DPST | 1.13 | 1.0 |

ON-OFF PLATE FOR TOGGLES
f1) 34 F 33935 Shpg. wt., 2 o2....... Nel Ea. $\begin{gathered}1.9 \\ 10-99 \\ .05\end{gathered}$
(K)

LAFAYETTE FOOT SWITCH


Keeps Your Hands Free!

The ldeal 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 until 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: $2^{27 / \mathrm{g}^{\prime \prime}}$ square $\times \mathrm{l}^{\prime \prime}$ high. Imported. Shpg. wt., 1 lb . 99 F 60707

# 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 $1^{\prime \prime}$ on 3 gang. Vottage breakdown 500V AC or DC. Max. non-breaking resistive load is 10 amps . 1 " mtg. radius, Notched shaft $2 \mathrm{Lx} 1 / 4^{\prime \prime}$ diameter with $3 / 8 \times 3 / 8^{\prime \prime}$ bushing, Adjustable stop. Type with " have added "OFF" position preceding others. With knob, nut and lockwasher. Shpg. wt. 5 oz.

| Stock No. | Mig. Mo. | Poles Per Gang | Pos. Per Pole | $\begin{gathered} 1-4 \\ \text { Each } \end{gathered}$ | $\begin{gathered} 5.9 \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 F 40573 | 172C | 1 | 11 | 2.77 | 2.31 |
| 30 F 40581 | 173C* | 2 | 5 | 2.77 | 2.31 |
| 30 F 40599 | 174C* | 3 | , | 2.77 | 2.31 |

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 F 40631 | 180 C | 1 | 11 | 5.04 | 8.21 |
| 30 F 40649 | 181 C | 2 | 5 | 5.04 | $\mathbf{4 . 2 1}$ |

## ALL PURPOSE SWITCHES

Singte section phenolic type $2^{\prime \prime}$ long by $y_{4}^{\prime \prime}$ dia. shaft with $3 /{ }^{\prime \prime \prime}$ bushing. Supplied with knob lockwasher and nut except $\dagger$ uses knurled shaft, no knob furnished. Shps. wt., 4 oz .

| SHORTING TYPES |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | Mallory No. | Cir. Pos. | $\begin{aligned} & 1-4 \\ & \text { Each } \end{aligned}$ | $\begin{array}{r} 5.9 \\ \text { Each } \end{array}$ |
| 30 F 49202 | 5M1112 | 12 | 1.19 | . 99 |
| 30 F 49210 | 5M1113 | 13 | 1.19 | . 99 |
| 30 F 49228 | 5M1113K $\dagger$ | 13 | 1.19 | . 99 |
| 30 F 49236 | 5M1213 | 23 | 1.19 | . 99 |

## DIAL PLATES

Silver markings on black background. $30^{\circ}$ spacing plates for all Mallory 1200 i and 1300 L series switches and for $11 / 4^{\prime \prime}$ base. 3100 J and 3200 J series. Shpg. wt., 2 cz .
Stock Ho. Marking 30 F 406541 to 2 20 F 40771 Off 1 to 30 F 406721 to $3 \quad 30$ F 40789 Off 1 to 4 30 F 406801 to $4 \quad 30$ F 40797 off 1 to 5 30 F 406981 to 5 30 F 407061 to 6 30 F 40748 ito 10 30 F 407551 to 11 30 F 407631 to 12 ANY OF ABO

LEVER<br>ACTION SWITCHES

Posftive action, phenolic sections. 6000 series have mtg. brackets with round holes $15 \mathrm{~s}^{\prime \prime}$ " part; 5000 series have elonsated hotes in bracket with $2 \% / 2^{\prime \prime}$ centers, Voltage rating 500 VAC-DC, Max, nonbreaking current sesistive load, 6 amp , at $6 \mathrm{VAC}, 20^{\circ}$ indexing with knob and hardware, Shpg. wt., 401.

| Stock No. | $\begin{gathered} \text { Mfg. } \\ \text { No. } \end{gathered}$ | Poles Per Cang | Pos. <br> Per <br> Pole | $\begin{gathered} 1.4 \\ \text { Each } \end{gathered}$ | $\begin{aligned} & 5.9 \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 F 41209 | 5124 | 2 | 4 | 1.62 | 1.35 |
| 30 F 41217 | 6142 | 4 | 2 | 1.41 | 1.17 |
| 30 F 41225 | 6143 | 4 | 3 | 8.41 | 1.17 |
| Non-Shorting |  |  |  |  |  |
| 30 F 41233 | 5224 | 2 |  | 1.62 | 1.35 |
| 30 F 41241 | 6242 | 4 | 2 | *. 41 | 1.17 |
| 30 F 41258 | 6243 | 4 |  | 1.41 | 1.17 |

## MINIATURE PUSH-BUTTON SWITCHES



Non-locking type, contact made oniy when depressed. Silver contacts, cadmium plated
 Mtg. radius $1 \mathrm{Ki}_{0}^{\prime \prime}$. Mtg. depth $1 \mathrm{ro}^{\prime \prime} \min 107 / 0^{\circ \prime}$ max. Circuit codes: $M=$ make, $B=$ break, MBB $=$ make before break. Voltage breakdown 500 V DC with hardware. Shpg. wt., $30 z$.


Type 153L capacitor switch and 154L resistor sw'tch for simple construction of decade boxes (up to 10 positions). Phenolic insulation. The number of positions is adjustable or use as a single decade of with more switshes as a multiple decade. Requires only 4 capacitors or resistors for full decade oper ation. 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 $x y_{4}$ "diameter. With knob and hardware. Shpg, wt. 502.


## MINIATURE LEVER SWITCHES

Phenolic type all are single section type Contact rating is 350 MA at 500 volts RMS resistive load. $30^{\circ}$ indexing. Mtg. holes $1^{3 \%}{ }^{\text {m }}$ apart. * are positive action and spring re turn. $\$$ are spring return. Supplied with lever knob. Shpg. wt., 3 oz.

SHORTING TYPES

| ock No. | M | Pos. | $\begin{aligned} & 1-4 \\ & \text { Ea. } \end{aligned}$ | $5-9$ |
| :---: | :---: | :---: | :---: | :---: |
| 30F91472 | 6M1213 | 23 | 1.39 | 1.16 |
| 30 F 41498 | 6M1213U* | 23 | 1.82 | 1.52 |
| 30 F 41506 | 6M1412S $\dagger$ | 4 | 1.98 | 1.65 |

## NON SHORTING TYPES

| 30 | F 41514 | 6 M 2213 | 2 | 3 | 1.39 |
| :--- | :--- | :--- | :--- | :--- | :--- | 30 F 41522 6M2213St $2 \quad 3 \quad 1.58 \quad 1.32$ $\begin{array}{llllll}30 & \text { F } 41530 & 6 \mathrm{M} 2213 U \mathrm{t}_{2} & 2 & 3 & 1.82 \\ 30 & 1.52 \\ 30 & 41548 & 6 \mathrm{M} 24125 t_{4} & 2 & 1.92 & 1.50\end{array}$

## MULTIGANG ROTARY SWITCHES



Phenotic 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 $z^{\prime \prime}$ notched shalt requires /40" mtf. hole. Types with "have additional off psition with alf circuits open. With bar knob, nut and lock washer. Avg. shpg. wt., 7 oz.


## UNIVERSAL MOUNTING BRACKET

"L" shape. For rear support of switches. Shpg. wt., 2 or.
30 F 41100 Type RB 254 Net . 05

## MALLORY SINGLE GANG ROTARY SWITCHES

## PHENOLIC MINIATURE ROTARY SWITCHES

Stators and rotors use RIchardson 7725 grade phenolic. Has common contact on same side as the switching contacts. Commercial equival ent 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 waters. Wafers are $11 / 4^{\prime \prime}$ dia. and $30^{\circ}$ indexing. Over all dia. 1\%". Supplied with knob, adjustable stop, lock washer and nut. Shpg. Wt., 202.

| Non-Sharting |  | Cir. Per |  |  | 1.4 | 5.3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Mfr. Mo. | sec. | Sec. | Pos. | E. | Ea. |
| 30 F $\$ 1720$ | 4 M 21111 | 1 | 1 | 11 | 1.98 | 1.65 |
| 30 F 41738 | 4M2215 | 2 | 1 | 5 | 1.98 | 1.65 |
| 30 F 41746 | 4M21211 | 1 | 2 | 11 | 2.84 | 2.37 |
| 30 F 41787 | 4M2225 | 2 | 2 | 5 | 2.84 | 2.37 |
| 30 F 41803 | 4M21511 | 1 | 5 | 11 | 4.93 | 4.11 |
| 30 F 41811 | 4M2323 | 3 | 2 | 3 | 2.84 | 2.37 |
| 30 F 41837 | 4 M 21611 | 1 | 6 | 11 | 5.54 | 4.63 |
| 30 F 411052 | 4M2245 | 2 | 4 | 5 | 4.20 | 3.51 |

# Switches-Toggle, Push-Button, Slide \& Telephone 


(1) SPST BAT HANDLE

Rated 3 amps- 125 V . Body size $11 / 2 \times 3 / 4 \times 1 / 2^{\text {. }}$ long. Bat handle $1 / 2^{* \prime}$ long. Shpg, wt. ${ }^{7 / 16}$ Imported.
99 F 61509

$$
\begin{array}{r}
\text { Net ea. . } 28 \\
\text { In lots of } 10 \text {, ea. } .25
\end{array}
$$

(2) HEAVY DUTY 6 AMP DPDT

Rated 250 V at 3 Amps or 125 V at 6 amps. Switch body $11 / 4 \times 3 / 4 \times 7 / 8^{\prime \prime}$ betind amps. incl16" lon ferminals. Bushings $15 / 32^{-}$. Dia. 7/16 long. Bat
3 oz Imported.
99 F 61517

(3) 6 AMP. DPDT CENTER OFF

Rated 6 amps, 125 V.A.C. $1 \%_{4} \times 3 / 4 \times 1^{1 "}$ behind panel includidg screw terminals. Bushing 302. Imported

99 F 61483
in lots of $\begin{array}{r}\text { Net ea. } 10 \text { ea. } .55\end{array}$
(4) 10 AMP. SPDT CENTER OFF

Rated 10 amps at 125 V . Silvered lugs for $5 / 8^{\circ}$ depen connections. Body size $11 / 6 \times 9 / 16 \mathrm{x}$



Lots of 10 Net ea. . 44

(5) PUSH-BUTTON SWITCHES

## (5) MINIATURE MOMENTARY

Momentary contact push-button switch ideal for all miniaturized applications. Single pole two circult push-to-make type. Beryllum copper leaf contacts. Overall dameter $1 / 2^{\prime \prime}$ overall depth $11 / 16^{\prime \prime}$, protrudes $3 / 8^{\prime \prime}$ behind panel. Bushing $1 / 4^{\prime \prime}$ dia., $3 / 16^{\circ}$ long. Supplied with washer
${ }_{99}$ Wt. ${ }_{62184}$ oz. Imported
ush-Button Switch . 24
in lots of 10, ea, 21

## [7] SUB-MINIATURE MOMENTARY

Momentary contact push button switch. SPST, non-snap action. Rated 115 V AC at 100 ma . long. Shpg. wt., 1 oz. Imported.
99 F 61590 Net ea. 26
6) ILUMINATED P.B. SWITCH

A compact illuminated switch which will indilights in "ON" position. Takes no more space than conventional switches. Lamp is buili into push handle. SPSI Type. Current capa city, 10 Amps at $125 \mathrm{VAC}, 6 \mathrm{~A}$ at 250 V AC insulation resistance, 100 meg ohms or more
at 500 V DC. Solder terminals. Single.hole mitg. Mount in $13 / 64$ hole, $11 / 2^{\prime \prime}$ behind panel. Shpg. wt., 3 oz. Imported. Net 1.75
99 F 61921
(8) MINIATURE 4 PDT SPRING RETURN Push button switch, ideal for ham or cltizens Push button switch, ideal for ham or citizens

band. Rated at 800 milliamp for 100 V AC. Ideal for transistor application. Heavy duty spring. Two circult operation. Measures $13 / 8 x$ $5 / 16 \times 1 / 2^{\prime \prime}$ plus $1 / 2^{\prime \prime}$ plunger. Shpg. wt., 2 | 02. imported. |
| :--- |
| 99 |

## . $29^{\circ}$ <br> MINIATURE DPDT <br> SLIDE SWITCH

## RUGGED TELEPHONE <br> TYPE 4PDT LEVER SWITCH

CHROME PLATED CAM

## $79^{\circ}$

Telephone Type 4 POT. Lever switch: 3 position lever action switch of non induction con-
struction. Has 4 sets of SPDT contacts-Has 3 struction. Has 4 sets of SPDI contacts- Has Panel mount, $15 / 16^{\prime \prime}$ mounting centers. Size: $21 / \mathrm{B}^{\prime \prime}$ long behind panel, $5 / 8 \mathrm{~W} \times 1 \mathrm{y}$,"H. Shpg. wit.
99
3
61491

Net ea. 79
dELAY ACTION SWITCHES FOR HOME AND CAR

- Keeps light on for 60 seconds after turning off switch

FOR YOUR SAFETY


For the home. Install in regular wall outlet. Keeps outside lights on for 60 seconds while
you go to car. Rated 10 amps 125 V .
34 F 38058 (Fig. A) Shpg. wt., 502 Net 2.39 For the car. Keeps car lights on for 60 sec onds while you walk to house then turns 6 or 12 volt car. $31 / 4 \times 1 Y_{10 \prime \prime}^{\prime \prime}$ diam.
34 F 46010 (Fig, B) Shpg. wt., 6 oz. Net 2.39

|  | Compac cadmium rated 3 11/6" Shpg. | IDE S <br> LOW <br> slide steel np at <br>  $\qquad$ | ITCHES PRICES <br> witches I usings. Al 5 volts AC centers |
| :---: | :---: | :---: | :---: |
| Stock No. | Circuit | $\begin{aligned} & \text { Net } \\ & \text { Each } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { Lots } 10 \\ \text { Each } \end{gathered}$ |
| 34 F 37035 | SPST | . 18 | 1.59 |
| 34 F 37043 | SPDT | 20 | 1.79 |
| 34 F 39114 | DPST | . 22 | 1.98 |
| 34 F 39122 | DPOT | . 25 | 2.19 |

3PDT AC-DC SLIDE SWITCH $29^{\text {c }}$
3 POT AC-OC Slide Switch: Rated at 500 microamps at 100 V . Solder lug terminals. cluding 5/16* trigger. Mounting centers $11 /{ }^{\prime \prime}$. Shpg. wt., 3 oz. imported.
99 F 61665
in lots of 10 , ea. 25

## ULTRAMINIATURE SPDT SLIDE

SWITCH
$29^{\circ}$
Exceptionally shallow design-only $1 / 8^{\prime \prime}$ 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 switch body, mounting ears add $1 / 2^{\prime \prime}$ to overall tength. Mig. centers $1^{* *}$. Shpg. wt 20 O2. Imported.
99
51897


DUAL-SPEAKER FADER CONTROL

Controls the volume of both front and rear speakers. Gradually reduces volume on one speaker while increasing volume on the black and silver metal plate with ivory pointer knob plus attached wiring for con nections to both speakers. With mtg. hard ware and instructions.
32 F 22585 Shpg wt. $\qquad$ Net .75

# Switches for Industry and Experimenters 

MAGNETIC PROXIMITY SWITCH


- 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 Durglar alarm system, electric trains, "magic tricks," and many more. As the magnet approaches the switch, the circult closes. Hermetically sealed; preclous metal contacts: 1 millisecond actuation. 15 watts resistive max. up to 1 amp to 250 volts. Size: $2 \%_{0}$ " with leads. 34 F 44015 Shpg. wL, 3 oz.

Net 1.89

## MIDGET-BAKELITE KNIFE SWITCHES

## As Low As <br> $19^{\circ}$



Complete switthes mounted or black bakeIte base with insulated knob handle of black bakelite, Plated brass contacts provide posi tive low-resistance connection, imported. SPDT KNIFE SWITCH
Overall size $11 / 2 \times 23$. Shpg. wt, 2 oz . 99 F 61525

Net 19 ea.-10 for 1.69 DPDT KMIFE SWITCH
Overall size $15 / 8 \times 2$ \%". Shpg. wt., 202. 99 F 61533 Net .29 ea.-In Lots of 10.25 ea.
ILLUMINATED "SEE-SAW" SWITCH
$99^{\circ}$
SPST. Filip actlon, rocker arm type, rated at 125 V AC, 10 amp. Iluminated. Fully enclosed. Mounts flush in panels up to $1 / 8^{\prime \prime}$ thick. Requires mounting hole $11 / 8 \times 5 / 8^{\circ}$. Mtg. centers $1 \%$ Shpg. wt., 2 O2. Imported. 99 F62598


## RUGGED LEVER SWITCH FOR AUDIO AND INTERCOMS



4 PDT Audlo Lever Swlteh: 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, mig. centers $1^{\prime \prime}$ apart. Size $21 / 4{ }^{\prime \prime}$ long behind panel. $1 \%_{0}{ }^{\prime W} \times \mathbf{1}^{\wedge} \mathrm{H}$. Imported. Shpg. wt., 3 oz .
99 F 61582
Net ea. 1.09

$$
\begin{aligned}
& \text { 3-WAY } \\
& \text { SPEAKER } \\
& \text { SWITCH }
\end{aligned}
$$



Gives choice of front speaker alone, rear speaker alone, or both together. Comes completely assembled on black and silver metal plate with lvory 4nob and cable for connection to both speakers. With hardware and simple Instructions. Imported.
32 22577 Shpg. wt., 4 oz.
.- Net . 70

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 instaltation -well recessed to prevent shorting. Installs in any hole from $3 / 4^{\prime \prime}$ to $1 / 6^{\prime \prime}$ in dia. in any panel up to $3 / 4^{-}$thick. Two terminal single throw. Key can be removed in both "on" and "off"r position. Prevents tampering with automotive equipment. Activates alarm sys. tems-only key can shut off. Suitable for marine equipment. With 2 keys. Wt., 5 or. 33 F $\$ 4015$

## MASTER DISCONNECT SWITCH



Disconnects Battery \& Generator Circuits With A Single Switch
with a filp of a single Yever pfotect cars, boats against fires resulting ftom shorts, battery run down due to appilances unknowingly left on, theft by Ignition "jumping" (when mounted in concealed position). Per. fect for cars, boats, heavy equipment. All steel construction, operates on ball bearings for cuick, easy operation and rapid reset. Fits 6 or 12 volts. Shpg. wt., 1 lb . 11F P 7012

Net 6.75

## DPDT 'SEE-SAW" SWITCH

## $59^{\circ}$

Filp action, rocker arm type equipment switch. Mounts flush in oanel up to $1 / \mathbf{g}^{\prime \prime}$ thick Requires rectangular mounting hole $1 / 2 \times 11 / \mathbf{a}^{\prime \prime}$ long. Mtg. centers $1 \% \mathbf{*}^{* \prime}$. Rated 4 amps at 125 V AC. Imported. 99 F 61574 Shpg. wt., 2 oz. Net ea. . 59 Lots of 10 ea. . 54

4 POLE 3 POSITION


Four pole rotary selector switch, 3 positions per pole. Useful in hi-fi preamps and stereo applications. Spring toaded, positive detent action. Shorting type. Over-all diameter $11 / 4$ ". Depth behind panel, including lugs, $3 / 4^{*}$. Bushing $3 / 8 \times 3 / 8^{\prime \prime} 1 / 4^{*}$ knurled shaft, $11 / 4$ - long. Shpg. wt., 3 ozs. Imported. 99 F 61566 Net ea. 49 Lots of 10 . ea. . 45

## 3-WAY PUSH-BUTTON SWITCH



茭

Just push a button to select either front speaker alone, rear speaker abone or both together. Comes completely assembled on black g sllver metal plate with cable, hardware and simple instructions. Imported: Shpg. wt. 5 oz.
32 F 22569

## HART AND HEGEMAN MOMENTARY PUSH BUTION SWITCHES



Metal base push switches with laminated phenollc sections, slotted sleeve $15 / 32$ dlam., $7 / 16^{-=}$long. All have solder lug terminal, and plain tops except *. Those shown as red and black are supplied with detachable insulated stem coverlings. Complete with mounting ring and nut. Rated 1 A .125 VAC. Shpg. wt., 3 or.


2 GIRCUIT-ONE N.O., ONE M.C.

| 34F 34503 | Red | 3392 E | .96 | .74 | .56 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 34F 34511 | 3392A | 1.19 | .92 | .82 |  |
| 34 F 34529 | Black | 3392 A | 1.19 | .92 | .82 |

Identical to the above switches except slotted sleeve is $15 / 32^{\prime \prime}$ by $9 / 16^{\circ}$ long. Shpg. wt., 3 oz.

| 2 CIRCUIT-ONE N.On, ONE N.C. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 F 34537 | - | 3392 | . 96 | . 74 |  |
| 34 F 34545 | Red | 3392AE | 1.19 | . 92 | . 8 |
| 34 F 34552 | Black | 3392AE | 1.19 | . 92 | . 82 |
| NORMALLY CLOSED--SPST |  |  |  |  |  |
| 34 F 34560 |  | 3391 | . 74 | . 37 | . |
| 34 F 34578 | Red | 3391GJ | . 96 | . 75 | . 68 |
| 34 F 34586 | Black | 3391GJ | . 96 | . 75 | 5 |
| NJRMALCY OPEN-SPST |  |  |  |  |  |
| 34 F 34594 |  | 3391 E | . 74 | .57 | 51 |
| 34 F 34602 | Red | 3391 GL | . 98 | . 75 | . 68 |
| 34 F 34610 | Black | 3391GL | . 98 | . 75 |  |

Type 3391-194 Snap-On Insulator Buttons for any of the above switches. Wt. 202.
34 F 34628 Red - Net
34 F 34636 Black
Net ea. 22

## SWITCHCRAFT TINI.SWITCH

Subminiature push-button switch for use in limited space applica. tions. Specially usefut in minia-turized-transistor devices, microphones, intercoms or wherever an extra small switch is desired. One-plece plastic shaft available in red or black. Sultable for low level circuits only. No=normaly open. NC= normally closed. Threaded $1 / 4^{*}$ bushing. $11 / 16^{\circ}$ long, requires $3 / 8^{\text {² }}$ behind panel. ShDg. wi., 20 z .

Black Type

| Stock No, | Mfg. No. | Contacts | $\begin{aligned} & \text { Net Ea. } \\ & \text { In Lots of } \\ & 1-2485 \\ & \hline 49 \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 34 F 60011 | 961 | SPST-NO | . 60 | . 57 |
| 34 F 60029 | 962 | SPST-NC | . 60 | . 57 |
| 34 F 60037 | 963 | SPDY | . 69 | . 65 |
| Red Type |  |  |  |  |
| 34 F 60045 | 951 | SPST-NO | . 60 | 57 |
| 34 F 60052 | 952 | SPST-NC | . 60 | . 57 |
| 34 F 60060 | 953 | SPOT | . 69 | . 65 |

MINIATURE ROTARY SWITCH 3 GANG 9 POLE 3 POSITION

## $79^{\text {c ea }}$

Non-shorting type with 3 circults per gang or section. Rated current capacity is 50 ma at 100 VAC. Insulation resistance 100 meg. ohms at 500 VDC. Contact resistance without load is $1 / 100$ ohm at 6 VDC. Perfect for transistor applications. Mounting depth is $11 / 2^{\prime \prime}$. Impcrted. Shpg. wt., 3 oz .
99 F 61715

# Selected Replacement Capacitors 

## SPRAGUE 5OOD MINIATURE METAL-CASE ALUMINUM ELECTROLYTIC CAPACITORS

## NEW!



- Hermetically Sealed
- With Plastic Sleeves

Keliable, miniature aluminum electrolytic capacitors suitable for miniature electronlc circuitry. Excellent replacement for transistorized equipment. Dia. varies from $17 / 4$ " to $\mathrm{m} / \mathrm{A}^{\prime \prime}$. lengths vary from $31 / \mathrm{m}$ " to 13 \%". Shpg. wt., 202.

| Stock No. | $\mu \mathrm{F}$ | $\begin{aligned} & \text { Nel Each } \\ & 1.99100 \text { Up } \end{aligned}$ |  | Stock No. | $\mu \mathrm{F}$ |  | $\begin{aligned} & \text { each } \\ & 00 \text { Up } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 6 Volt |  |  | 25 Volt |  |  |  |
| 34 F 85273 | 1 | . 48 | . 315 | 34 F 85588 | 1 | . 48 | . 315 |
| 34 F 85281 | 2 | . 48 | . 315 | 34 F 85596 | 2 | . 45 | . 30 |
| 34 F 85299 | 3 | . 48 | . 315 | 34 F 85604 | 5 | . 48 | . 33 |
| 34 F 85307 | 5 | . 48 | . 315 | 34 F 85612 | 6 | . 48 | . 315 |
| 34 F 85315 | 10 | . 48 | . 33 | 34 F 85620 | 10 | . 48 | . 33 |
| 34 F 85323 | 15 | . 48 | . 33 | 34 F 85638 | 15 | . 51 | . 345 |
| 34 F 85331 | 20 | . 48 | . 315 | 34 F 85646 | 25 | . 54 | . 36 |
| 34 F 85349 | 25 | . 51 | . 345 | 34 F 85653 | 35 | . 57 | . 39 |
| 34 F 85356 | 100 | . 57 | . 39 | 34 F 85661 | 50 | . 60 | . 405 |
| 34 F 85364 | 150 | . 60 | . 405 | 34 F 85679 | 75 | . 63 | . 435 |
| 34 F 85372 | 200 | . 57 | . 39 | 34 F 85687 | 100 | . 63 | . 42 |
| 34 F 85380 | 250 | . 60 | . 405 | 34 F 85695 | 150 | . 66 | . 45 |
| 34 F 85398 | 300 | . 69 | . 465 | 34 F 85703 | 200 | . 72 | . 495 |
| 34 F 85406 | 400 | . 66 | . 45 | 50 Volt |  |  |  |
|  |  |  |  | 34 F 85711 | , | . 45 | . 30 |
|  |  |  |  | 34 F 85729 | 2 | . 48 | . 33 |
|  |  |  |  | 34 F 85737 | 3 | . 48 | . 315 |
|  | 16 volt |  |  | 34 F 85745 | 5 | . 51 | 345 |
|  | 16 |  |  | 34 F 85752 | 10 | .45 | . 30 |
| $\begin{aligned} & 34 \text { F } 85414 \\ & 34 \text { F } 85422 \end{aligned}$ | 2 | . 48 | . 315 | 34 F 85760 | 20 | . 54 | . 375 |
| 34 F 85430 | 5 | . 45 | . 30 | 34 F 85778 | 35 | . 57 | . 39 |
| 34 F 85448 | 6 | . 48 | . 33 | 34 F 85786 | 50 | . 63 | . 42 |
| 34 F 85455 | 8 | . 48 | . 33 | 34 F 85794 | 75 | .66 | . 45 |
| 34 F 85463 | 10 | . 48 | . 315 | 34 F 85802 | 100 | . 72 | . 495 |
| 34 F 85471 | 15 | . 51 | . 345 |  | 100 |  |  |
| 34 F 85489 | 20 | . 48 | . 315 | 34 F 85810 | 2 | . 57 | 39 |
| 34 F 85497 | 25 | . 54 | . 36 | 34 F 85828 | 4 | . 63 | . 435 |
| 34 F 85505 | 30 | . 51 | . 345 | 34 F 85836 | 5 | 66 | . 45 |
| 34 F 85513 | 35 | . 54 | . 375 | 34 F 85844 | 10 | 72 | . 495 |
| 34 F 85521 | 50 | . 54 | . 36 | 34 F 85851 | 20 | . 78 | . 525 |
| 34 F 85539 | 75 | . 54 | . 375 |  | 150 |  |  |
| 34 F 85547 | 100 | . 57 | . 39 |  | 1 | 54 | 375 |
| 34 F 85554 | 150 | . 60 | 405 | $\begin{array}{r} 34 F 85869 \\ 34 F 85877 \end{array}$ | 5 | . 63 | . 435 |
| 34 F <br> 34 85562 <br> 15570 | 200 350 | . 76 | .45 .525 | 34 F 85885 | 10 | .72 | . 48 |
| 34 F 85570 | 350 | . 78 | 525 |  |  |  |  |



## ECONOMY TUBULAR ELECTROLYTICS

These electrolytic capacitors are specifically designed for service replacement applications. All single electrolytics are hermetically sealed in aluminum cans with outer cardboard insulating sleeves and have solid tinned copper leads. Dual and triple section electro lytics have wax impregnated cardboard coded tosulated sors wt., 402.


| Stock No. | Mid. | W.V. | Net Each | Net E in Lots |
| :---: | :---: | :---: | :---: | :---: |
| 32 F 01100 | 10 | 25 | . 32 |  |
| 32 F 01118 | 25 | 25 | . 33 |  |
| 32 F 01126 | 20 | 150 | . 39 |  |
| 32 F 01134 | 40 | 150 | . 48 |  |
| 32 F 01365 | 150 | 150 | $\bigcirc 70$ |  |
| 32 F 01142 | 8 | 450 | . 46 |  |
| 32 F 01159 | 20 | 450 | . 61 |  |
| 32 F 01167 | 40 | 450 | . 69 |  |
| 32 F 01373 | 80 | 450 | 1.06 |  |
| 32 F101381 | 100 | 450 | 1.15 |  |


| Dual Section Tubular Electrolytic |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 32 F 01175 | 20.20 | 150 | .44 | .40 |
| 32 F 01183 | $30-30$ | 150 | .46 | .41 |
| 32 F 01191 | $40-40$ | 150 | .50 | .45 |
| 32 F 01209 | $50-30$ | 150 | .48 | .43 |
| 32 F 01217 | $50-50$ | 150 | .58 | .52 |
| 32 F 01399 | 80.50 | 150 | .63 | .57 |
| 32 F 01407 | $100-50$ | 150 | .69 | .62 |
|  | Triple Secilion Tubular Electralytic |  |  |  |
| 32 F 01415 | $40-40.20$ | 150 | .69 |  |
| 32 F 01423 | $50-30-20$ | 150 | .69 | .62 |
| 32 F 01431 | $80-40-20$ | 150 | .75 | .67 |

## WIDE RANGE ELECTROLYTIC CAPACITOR

- Replaces A Host of Popular


## Combinations

Compact unit which provides exact electrical replacement for 8 original standard 150 VOCW capacitors used principally in printed ircuit home radio receivers. $1^{\prime \prime}$ dia. $\times 21 / 2^{\prime \prime}$. Shpg. wt., 302 . Replaces all of the following:
50.30 mfd
50.30 mfd .

Stock No. Cap.
32 F $01472 \quad 5 \mu \mu i$ 32 F $01480 \quad 6.8 \mu \mu{ }^{\prime}$ 32 F $01498 \quad 10$ mat ${ }^{4}$ 32 F $01506 \quad 12 \mu \mu \nmid$ 32 F $01514 \quad 15 \mu \mu \dagger$ 32 F $01522 \quad 18 \mu \mu$ f 32 F $01530 \quad 20 \mu \mu{ }^{\dagger}$ 32 F. $01548 \quad 22 \mu \mu$ f 32 F $01555 \quad 25 \mu \mu f$ 32 F $01563 \quad 27 \mu \mu \mathrm{f}$ 32 F $01589 \quad 33 \mu \mu \mathrm{f}$ 32 F $01597 \quad 39 \mu \mu \mathrm{f} \quad 32$ F 01845 . $0015 \mu \mathrm{f}$ 32 F $01605 \quad 47 \mu \mu \mathrm{f} \quad 32 \mathrm{~F} 01852.0018 \mu$ 32 F $01613 \quad 50 \mu \mu \mathrm{f} \quad 32 \mathrm{~F} 01860 \quad .002 \mu \mathrm{f}$ 32 F $01621 \quad 56 \mu \mu \dagger \quad 32$ F. $01878.0022 \mu \uparrow$ 32 F $01639 \quad 68 \mu \mu f \quad 32$ F $01886.0025 \mu \mathrm{f}$ 32 F $01647 \quad 75 \mu \mu f \quad 32$ F $01894.0027 \mu$ f 32 F 01654 82 u 32 F $01662 \quad 100 \mu \mu \mathrm{f}$ 32 F $01670 \quad 120 \mu \mu$ f 32 F $01688 \quad 150 \mu \mu{ }^{\prime}$ 32 F $01696 \quad 180 \mu \mu \mathrm{f}$ 32 F 01704200 миі 32 F 01712 220 $\mu \mu \mathrm{f}$

RATED
1000
OCWV 32 F 01829 . $001 \mu f$


Stock No, Cap. 32 F01720 $250 \mu \mu \mathrm{f}$ 32 F $01738 \quad 270 \mu \mu$ f 32 F $01746 \quad 300 \mu \mu$ f 32 F $01753 \quad 330 \mu \mu \mathrm{f}$ 32 F $01761 \quad 390 \mu \mu \mathrm{I}$ 32 \& 01779 470 $0 \mu \mathrm{f}$ 32 F $01787 \quad 500 \mu \mu 1$ $\begin{array}{ll}32 \mathrm{~F} & 01787 \\ 32 & 500 \mu \mu \\ 560 \mu \mu \mathrm{f}\end{array}$ $\begin{array}{ll}32 F 01795 & 560 \mu \mu f \\ 32 & 01803 \\ 680 \mu \mu f\end{array}$ 32 F $01811 \quad 750 \mu \mu \mathrm{f}$ 32 F 01829.0012 | 32 | $F 01860$ | $.002 \mu f$ |
| :--- | :--- | :--- |
| 32 | $F$ | 01878 |
| 32 | $.0022 \mu 4$ |  | 32 F $01902.003 \mu$ 32 F $01910.0033 \mu$ 32 F $01936.0041 \mu \mathrm{f}$ 32 F, 01944 . $005 \mu$ 32 F $01951.0068 \mu$ 32 F 01969 . 01 Shpg. wt., 2 oz.

10 for .90 ; Singly, each 10
HIGH CAPACITY DISCS
$.015 \mu$ Shpg. wt., 2 oz.
32 F 09483
10 for 1.26
Singly, ea. . 14
$.02 \mu \mathrm{f}$. Shpg. wt., 2 oz.
32 F 09491
10 for 1.44
Singly, ea. . 16

## LAFAYETTE SUBMINIATURE SQUARE CERAMIC CAPACITORS - 75 VOLT MICROMINIATURE Dependabie conservativeiy rated ceramic capacitors designed for greatest capa citance in the smallest size. <br> Shpg. wt., 202. <br> 

|  | Type | Cap. $\mu$ F | Size LuWxThick. | Net <br> Each | Lots of 10 , Each |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 | F 69014 | . 0005 | 1/8x 1/8x ${ }^{\text {a }}$ | 20 | . 18 |
| 33 | F 69022 | . 001 | 11/4x ${ }^{1 / 4} \times$ | 20 | . 18 |
|  | F 69030 | . 002 | $11 / 4 x^{11 / 4} \times 5$ | . 20 | . 18 |
|  | F 69048 | . 005 | 15/4x ${ }^{1 / 4 x}$ | . 20 | . 18 |
|  | F 69055 | . 01 | $K_{6} \times X_{10} \times{ }^{\text {d }}$ | 27 | 24 |
|  | F 69063 | . 02 | $13 / 12 x^{3} / 12 x^{2 / 4}$ | 29 | 26 |
|  | F 69071 | . 05 | $31 / 4 x^{31 / 4} x^{1 / 4}$ | . 32 | . 29 |
|  | F69089 | . 1 |  | . 57 | . 51 |
|  | F 69097 | . 2 | $\mathrm{K}_{60} \mathrm{~K}_{60} \mathrm{x}^{1 / 8 \prime}$ | 76 | . 68 |

## CERAMIC DISC KIT 48 VALUES



A fine selection of 48 ceramic disc type capacitors. Values included range from . 001 mfd to 2 mmfd Voltage ratings range from 50 to 5000 volts DC. Ideal selection for servicemen, builders and experimenters. Shpg. wt., 3 oz .
32 F 60023

## SPRAGUE HYPASS CAPACITORS

Three terminal network feed-thru capacitors. Bypass VHF currents (up to 150Mc). Suppress TVI from shortwave transmitters. diathermy machines, etc.
Reduce vibrator hash, harmonic radiation generator and regulator noise. Wt., 4 oz

- Have female screw terminals; + Bulkhead mounting.

| Stock No. Type No. | F | Amps | WVDC | Ne |
| :---: | :---: | :---: | :---: | :---: |
| 34 F $8333648 \mathrm{Pl} 8^{\circ}$ | 5 | 40 | 50 | 3.03 |
| 34 F $8334448 \mathrm{PP}{ }^{\text {\% }}$ | 1 | 20 | 600 | 1.98 |
| 34 F 8335146 Pl 2 | . 002 | 215 | 600 | 1.62 |
| 34 F $8336980 \mathrm{P3}{ }^{*}$ | . 1 | 20 | 600 | 2.16 |
| 34 F 8337747 Pl 6 | . 002 | 20 | 5000 |  |

## KIT OF 50 ASSORTED

 MICA CAPS.AS LOW AS
$99^{\circ}$


A kit of popular mica
capacitors for service
men. Contains 50 popular sizes. A handy as sortment for any service shop or experiment. Shog. Wt., 2 lbs.
34 F 72016
Net 1.19
Lots of 3
Ea. .99

## Cornell-Mallory-Sprague-Aerovox

## a ELECTROLYTIC CAPACITORS

## CORNELL BLUE BEAVER

Cornell Dubilier types BBR, BR and BBRD are dry electrolytics in compact aluminum cases. Mighest quality for TV general replacement with extra safety for high surge voltages in power supplies. Very low leak. age. Operating temperature up to $85^{\circ} \mathrm{C}$.

## MALLORY TC

Mallory type TC dry electrolytic capacitors are housed in aluminum containers. These compact units are of the highest quatity and are ideal for use in TV radio and general replacement in electronic circuitry. Low leakage and built-in salety factors against high voltage surges. Operating temDerature up to $85^{\circ} \mathrm{C}$.

SINGLE SECTION


## SPRAGUE "ATOMS"

Sprapue types TVA and TV are dry electrolytirs in extremely compact metal cases. They are designed to withstand high surge voltages and high rippie currents making them ideal for TV replacements, power sup. plies, etc. Leakage is very low. Efficient at temperatures up to $85^{\circ} \mathrm{C}$.

## AEROVOX DANDEE

Aerovax type PRS are dry electrolytic in compact aluminum cases. Dependable replacements for TV and all electronic equip. ment when a quality unit is required. Feature low leakage high voltage surge protection and operating temperature up to $8^{\circ} \mathrm{C}$.

## STANDARD BRANDS

Because no one manufacturer offers all sizes, we have made this integrated list. Your order will be filled with one of the 4 famous brands illustrated. We will supply any particular manufacturers brand specifled, If available in the slize desired. Avg. shpg. wt., 402 s

| Stock No. |  | NET EACH IN LOTS OF |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Cap. MFD. | W.V. | 1-24 | 25- |
| 33 F 15165 | 25-25 | 25 | 1.00 | 77 |
| 34 F 55896 | 10.10 | 50 | 96 | 75 |
| 34 F 55904 | 20-10 | 150 | 93 |  |
| 34 F 55912 | 20.20 | 150 | 1.05 | 80 |
| 34 F 55920 | 30-20 | 150 | 1.02 |  |
| 34 F 55938 | 30-30 | 150 | 1.08 | . 86 |
| 34 F 55946 | 40.20 | 150 | 1.14 | . 88 |
| 34 F 55961 | 40-40 | 150 | 1.11 | . 88 |
| 34 F 55979 | 50-30 | 150 | 1.17 | . 91 |
| 34 F 55987 | 50.50 | 150 | 1.26 | . 96 |
| 33 F 15462* | 50-50 | 150 | 1.30 | . 65 |
| 34 F 84078 | 80.30 | 150 | 1.32 | 1.05 |
| 34 F 55995 | 80-40 | 150 | 1.32 | 1.01 |
| 34 F 75241 | 80.50 | 150 | 1.41 | 1.09 |
| 33 F $15470^{*}$ | 100-50 | 150 | 1.59 | 1.17 |
| 34 F 56019 | $100 \cdot 100$ | 150 | 1.92 | 1.47 |
| 34 F 75290 | 10-10 | 250 | . 99 | . 75 |
| 34 F 56050 | 20-20 | 250 | 1.11 | . 88 |
| 34 F 56084 | 8.8 | 450 | 1.17 | . 91 |
| 34 F 75308 | 10-10 | 450 | 1.23 | 98 |
| 34 F 56100 | 16-16 | 450 | 1.35 |  |
| 34 F 56118 | 20-20 | 450 | 1.50 | 1.18 |
| 34 F 56126 | $30 \cdot 30$ | 450 | 1.95 | 1.51 |
| 34 F 75316 | 40-20 | 450 | 1.77 |  |

DUAL UNITS -
SEPARATE SECTIONS

| 34 F 56142 | 15.15 | 150 | 1.37 | 1.14 |
| :--- | :--- | :--- | :--- | :--- |
| 34 F 56183 | 40.40 | 150 | 1.63 | 1.36 |
| 33 F 15413 | $70-70$ | 175 | 2.00 | 1.68 |

TRIPLE SECTION

| Stock No. | $\begin{aligned} & \text { Cap. } \\ & \text { MFO. } \end{aligned}$ | NET EACH IN LOTS OF |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | W.Y. | 1-24 | 25. 49 |
| 34 F 56324 | 30.25-20 | 150 | 1.80 | 1.40 |
| 34 F 56340 | 40-20-20 | 150 | 1.80 | 1.40 |
| 34 F 56357 | 40-30.20 | 150 | 1.86 | 1.44 |
| 34 F 56365 | 40.40-20 | 150 | 1.86 | 1.45 |
| 34 F 75456 | 50-30-20 | 150 | 1.89 | 1.50 |
| 34 F 56381 | $80.40 \cdot 20$ | 150 | 1.98 | 1.54 |
| 33 F 15280 | 80.50.50 | 150 | 2.10 | 1.63 |
| 34 F 56464 | 50.30.20 | 150/25 | 1.86 | 1.43 |

## QUADRUPLE UNITS

|  | NET EACH IM LOTS OF |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock Ne. | Cap. MFD. | W.V. | 1.24 | $\begin{aligned} & 25 \\ & 49 \end{aligned}$ |
| 34 F 56647 | $50.50$ | $\begin{aligned} & 150 / 25 \end{aligned}$ | 2.07 | 1.63 |
| 33 F 15595* | $\begin{array}{r} 10.40-80 \\ 450 / 300 \end{array}$ | $\begin{aligned} & .00 \\ & 400 / 50 \end{aligned}$ | 3.07 | 1.54 |

Lafayette Cat. No. 710
283

# Twist Prong Capacitors 



CORNELL DUBILIER TYPES AA-BB-CC-00

CAPACITORS SIZE CHART
Average shpg. wt. 8 oz.

| Code Dia. XH | Code Dia. X H | Code Dia. $x$ H |
| :---: | :---: | :---: |
| A $3 / 4{ }^{\prime \prime} \times 2^{\prime \prime}$ | F $1^{\prime \prime} \times 358^{\prime \prime}$ | 1 11/9"x ${ }^{1 / 2}{ }^{\prime \prime}$ |



SPRAGUE TYPE TVL


## MALLORY TYPES

 FP.WPBecause no one manufacturer makes all sizes, we have made this comprehensive. integrated list. Orders will be filled with
one of the famous brands listed above. Ideal for high ripple selenium rectifier circuits. Average shpg. wt., 5 oz.

SINGLE SECTION TWIST PRONG

| Stock No. | Mfd. | DCWY | Size | $\begin{aligned} & \text { NET } \\ & 1-24 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { EACH } \\ & 25.49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 F 84771 | 4000 | 15 | J | 3.33 | 2.40 |
| 34 F 76025 | 500 | 50 | G | 1.83 | 1.20 |
| 34 F 76033 | 1000 | 50 | K | 2.58 | 1.61 |
| 34 F 76041 | 1500 | 50 | G | 3.03 | 2.01 |
| 34 F 76082 | 100 | 150 | C | 1.38 | . 8.8 |
| 34 F 76108 | 120 | 150 | C | 1.50 | 1.01 |
| 34 F 76116 | 140 | 150 | 0 | 1.50 | . 90 |
| 34 F 76157 | 300 | 150 | 1 | 1.95 | 1.33 |


| Stock No. | Mfd. | DCWV | Size | $\begin{gathered} \hline \text { NET } \\ 1-24 \end{gathered}$ | $\begin{aligned} & \text { EACH } \\ & 25.49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 F 57991 | 120 | 200 | G | 1.38 | 1.00 |
| 34 F 76199 | 100 | 250 | E | 1.86 | . 98 |
| 34 F 76207 | 150 | 250 | H | 2.13 | 1.15 |
| 34 F 83278 | 160 | 250 | H | 2.13 | 1.29 |
| 34 F 58015 | 200 | 250 | 1 | 2.52 | 1.46 |
| 34 F 76306 | 150 | 350 | K | 2.73 | 1.60 |
| 34 F 76314 | 10 | 450 | B | 1.02 | . 72 |
| 34 F 76348 | 40 | 450 | 0 | 1.41 | . 97 |

DUAL SECTION TWIST PRONG

| Stock No. | Cap. Mfd. | DCWY | Size | $\begin{aligned} & \text { NET } \\ & \mathbf{1 - 2 4} \end{aligned}$ | $\begin{aligned} & \text { EACH } \\ & 25.49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 F 76702 | 20-20 | 150 | B | 1.02 |  |
| 34 F 76751 | 40-40 | 150 | 8 | 1.32 | . 88 |
| 34 F 76769 | 50-30 | 150 | B | 1.38 | 88 |
| 34 F 76777 | 50-50 | 150 | C | 1.50 | 91 |
| 34 F 76793 | 70.30 | 150 | C | 1.53 | . 91 |
| 34 F 76819 | 80-40 | 150 | C | 1.59 | 1.11 |
| 33 F 15371 | 80-50 | 150 |  | 1.65 | . 97 |


| Stock No. | Cap. Mfd. | OCWV | Size | $\begin{aligned} & \text { NET } \\ & 1-24 \end{aligned}$ | $\begin{aligned} & \text { EACH } \\ & 25.49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 F 76587 | 100-100 | 350 | M | 4.23 | 1.99 |
| 34 F 76611 | 80-80 | 400 | M | 3.42 | 2.09 |
| 34 F 83286 | 80-2 | 450.350 | 0 H | 2.31 | 1.57 |
| 34 F 76942 | 10-10 | 450 | 8 | 1.32 | . 90 |
| 34 F 76967 | 20-20 | 450 | D | 1.77 | 1.06 |
| 34 F 76975 | 30-10 | 450 | 0 | 1.65 | 1.06 |
| 34 F 77015 | 40.40 | 450 | 1 | 2.37 | 1.56 |

TRIPLE SECTION TWIST PRONG

Stock No. Cap. Mfd.
34 F 79581 80-60-250 150-150-10 H 34 F 79649 80.40-20 $150-150-25$ C 2.04 $\begin{array}{lllll}34 \text { F } 79649 & 80-40-20 & 1504150-25 & \text { C } & 1.92 \\ 34 \text { F } 79698 & 40-40-40 & 150 & \text { C } & 1.80\end{array}$ $\begin{array}{lllll}34 & \text { F } 79730 & 80-40-20 & 150 & \text { D } \\ 2.01\end{array}$ 34 F $79821 \quad 140 \cdot 100 \cdot 60 \quad 300 \cdot 300 \cdot 50 \mathrm{M} \quad 4.17$ 34 F 79847 80-40-40 300 I 3.27 $\begin{array}{llllll}34 & \text { F } 79870 & 125-5 \cdot 100 & 350-200-75 & \text { K } & 3.18\end{array}$

| ock | Cap. Mid | WVOC | Size |  |
| :---: | :---: | :---: | :---: | :---: |
| 34 F | 80-40 | 350-35 |  | 3.27 |
| 34 F 7404 |  |  |  |  |
| 34 F 74087 | 10-10 | 450-450-25 | B |  |
| 34 F 7809 |  |  |  |  |
| 34 F 74111 | 40 | 450-450-25 |  |  |
|  |  | 450. |  |  |
| 4 F 74228 | 10.10 |  |  |  |


| Stock No. | Mfd. | DCWV | Size | $\begin{gathered} \text { NET } \\ 1-24 \end{gathered}$ | $\begin{aligned} & \text { EACH } \\ & 25.49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 F 76371 | 80 | 450 | 1 | 2.10 | 1.45 |
| 34 F 76389 | 100 | 450 | 1 | 2.37 | 1.61 |
| 34 F 76397 | 125 | 450 | M | 2.64 | 1.83 |
| 34 F 76413 | 10 | 500 | 8 | 1.17 | . 75 |
| 34 F 76439 | 30 | 500 | 0 | 1.38 | . 98 |
| 34 F 76447 | 40 | 500 |  | 1.71 | 1.09 |
| 34 F 76454 | 80 | 500 | K | 2.49 | 1.69 |
| 34 F 76462 | 90 | 500 | K | 2.40 | 1.80 |


| Stock No. | Cap. Mfd. | DCWV | Size | $\begin{aligned} & \text { NET } \\ & 1-24 \end{aligned}$ | $\begin{aligned} & \text { EACH } \\ & 25-49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 F 77023 | 50.50 | 450 | 1 | 2.64 | 1.73 |
| 34 F 77072 | 80-40 | 450 | K | 3.48 | 1.91 |
| 34 F 77148 | 20-20 | 500 | H | 1.95 | 1.34 |
| 34 F 77155 | $30 \cdot 10$ | 500 | H | 1.71 |  |
| 33 F 15397 | 30-30 | 500 | 1 | 2.25 | 1.56 |
| 34 F 77163 | 40-40 | 500 | K | 2.97 | 1.79 |
| 34 F 77171 | 60-40 | 500 | K | 3.18 | 2.04 |


| Stock No. | Cap. Mfd. | WVDC | Size | Ea. |
| :---: | :---: | :---: | :---: | :---: |
| 33 F 15405 | 20-10.10 | 450 | 0 | 2.01 |
| 34 F 74236 | 20-20-20 | 450 | H | 2.49 |
| 34 F 74285 | 40-30-20 | 450 | 1 | 2.97 |
| 34 F 74301 | 40-40-20 | 450 | K | 3.06 |
| 34 F 74319 | 40-40.40 | 450 | K | 3.39 |
| 34 F 74350 | 80-40-20 | 450 | M | 3.72 |
| 34 F 74392 | 30-20-20 | 500 | 1 | 2.91 |

## QUADRUPLE SECTION TWIST PRONG

## Centralab Ceramic Capacitors <br> Low Voltage Capacitors for Transistor Circuits



TYPE UK AND UK. 10 ULTRA-KAPS UK rated 3 WVOC, tolerance GMV; UK-10 rated 10 WVOC; tol. $+80 \%$, $-20 \%$. Snps. wt., 2 oz. TYPE UK

| Stock Mo. | $\begin{aligned} & \text { Mfrs. } \\ & \text { Type } \end{aligned}$ | Cap. mfd. | $\begin{aligned} & \text { Met Price } \\ & 1.99 \text { uF } \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| 33 F 21221 | UK104 | . 1 | 42 | . 33 |
| 33 F 21239 | UK224 | . 22 | . 30 | 24 |
| 33 F 21247 | UK474 | . 47 | . 30 | 24 |
| 33 F 21254 | UK105 | 1.0 | . 38 | 29 |
| 33 F 21262 | UK225 | 2.2 | .42 | . 33 |
| TYPE UK.10 |  |  |  |  |
| 33 F 21270 | UK10.503 | . 05 | 18 | . 14 |
| 33 F 21288 | UK10.104 | . 1 | . 18 | . 14 |
| 33 F 21296 | UK10-204 | . 2 | . 30 | . 24 |
| 33 F 21304 | UK10-474 | 47 | . 42 | . 3 |

TYPE DM MIN KAPS
 150 wVOC; Tolerance: is $+50 \%,-20 \%$; all others are $+80-20 \%$. Shpg. wt., 2 oz .

| Stock No. | Mfrs. Type DH | Cap <br> mml | 1.99 | 100 up |
| :---: | :---: | :---: | :---: | :---: |
| 33 F 21734 | 101* | . 0001 | . 90 | . 72 |
| 33 F 21742 | 201* | . 0002 | . 80 | . 72 |
| 33 F 21759 | 301* | .0003 | . 50 | .72 |
| 33 F 21767 | $501 *$ | . 0005 | 90 | . 72 |
| 33 F 21775 | 102* | . 001 | . 5 | .72 |
| 33 F 21783 | 202 | . 002 | . 50 | . 72 |
| 33 F 217\%1 | 302 | . 003 | . 30 | . 72 |
| 35 F 21809 | 502 | . 005 | .0 | . 72 |
| 33 F 21817 | 103 | .01 | . 90 | .72 |
| 33 F 21825 | $2 \cdot 502$ | 2X.005 | . 90 | . 72 |

## TYPE OA PLATE CAPACITORS

Size $12 \times 12 x_{2} \times x_{10}{ }^{\circ \prime}$ thick. Tolerance $-20 \%$ to $+100 \% 30$ WVDC. Shpg. wi., 2 oz.

| Stock No. | Mirs. Type Cap <br> DA | mfd | Net Price <br> 1.99 | 100 mp |
| :--- | :---: | :---: | ---: | ---: |
| 33 F 21171 | 203 | .02 | .36 | .29 |
| 33 F 21189 | 503 | .05 | .81 | .44 |
| 33 F 21197 | 104 | .10 | 1.35 | 1.07 |

00606000 WVDC DISC CERAMICS
Tolerance $\pm 20 \%$. Avg. shpg. wi., 2 oz.

| Stack No. |  |  | Stock No. | $\begin{aligned} & \text { RL No } \\ & \text { DD } \\ & \hline 10 \text { - } \end{aligned}$ | Cap mmf |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 24084 | $4 \mathrm{R7}$ | 4.7 | 33 F 24282 |  |  |
| 33 F 24118 | 100 | 10 | 33 F 24290 | 181 | 180 |
| 33 F 24134 | 150 | 15 | 33 F 24308 | 20 | 200 |
| 33 F 24175 | 300 | 30 | 33 F 24332 | 271 | 270 |
| 33 F 24183 | 330 | 33 | 33 F 24340 | 301 | 300 |
| 33 F 24191 | 390 | 39 | 33 F 24357 | 331 | 330 |
| 33 F 24209 | 470 | 47 | 33 F 24381 | 471 | 470 |
| 33 F 24217 | 500 | 50 | 33 F 24399 | 50 | 50 |
| 33 F 24233 | 680 | 68 | 33 F 24423 | 751 | 75 |
| 33 F 24266 | 101 | 100 | 33 F 24431 | 82 | 820 |
| NET EACH ANY OF |  |  | ABDVE IN |  |  |
| 1-49. 36 |  |  | 50 UP | . 285 |  |
| 33 F 244491021000 |  |  |  |  |  |
| 33 F 24456 |  |  |  |  |  |
| $33 \mathrm{~F} 24464 \quad 1521500$ |  |  |  |  |  |
| 33 F 244722022000 |  |  |  |  |  |
| 33 F $24480 \quad 2222200$ |  |  |  |  |  |

# ELMENCO-SANGAMO-CENTRALAB 

TYPE DM-10 (CM04) DIPPED SILVERED MICA CAPACITORS
Meets all the electrical requirements of milliary spec. FMIL-C-5C and ElA specification RS-153. All are $5 \%$ tolerance except $=$ min toberance $\pm 1.0$ pF. All 500 WVDC except $\ddagger$ is 300 WVDC and $\dagger$ is 100 WVDC. Wt., 2 oz.

| Stock Mo. | Cap. PF | DM10Type | $\underset{-1-24}{\text { MET }}$ | $\begin{aligned} & \text { EACH } \\ & 25-99 \end{aligned}$ | $\begin{aligned} & 100- \\ & 499 \end{aligned}$ | Stock We. | Cap. pF | DM10Type | $\begin{gathered} \text { NET } \\ 1.24 \end{gathered}$ | $\begin{aligned} & \text { EAGN } \\ & 25-99 \end{aligned}$ | $\begin{aligned} & 100 \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 F 35011 | 1* | 010** | .18 | .136 | . 11 | 30 F 35227 | 62 | 620 | 23 | . 174 | .14 |
| 30 F 35029 | 2* | 020* | . 18 | . 133 | . 11 | 30 F 35235 | 68 | 680 | . 24 | . 181 | .144 |
| 30 F 35037 | 3* | $030^{*}$ | . 18 | .130 | . 11 | 30 F 35243 | 75 | 750 | . 24 | . 181 | . 144 |
| 30 F 35045 | $5 *$ | 050** | . 18 | .138 | . 11 | 30 F 35250 | 82 | 820 | . 25 | .184 | .147 |
| 30 E 35052 | 10 | 100 | . 31 | . 233 | . 186 | 30 F 35268 | 91 | 910 | .25 | 19 | .152 |
| 30 F 35060 | 12 | 120 | . 32 | . 239 | . 191 | 30 F 35275 | 100 | 101 | 26 | .193 | 154 |
| 30 F 3507 | 15 | 150 | . 32 | . 239 | . 191 | 30 F 35284 | 110 | 111 | 26 | 193 | . 154 |
| 30 F 35086 | 18 | 180 | . 32 | . 239 | . 191 | 30 F 35292 | 120 | 121 | . 27 | 205 | .184 |
| 30 F 35094 | 20 | 200 | .21 | .159 | . 127 | 30 F 35300 | 130 | 131 | 29 | 214 | . 171 |
| 30 F 35102 | 22 | 220 | .21 | .159 | . 127 | 30 F 3531曾 | 150 | 151 | . 31 | 236 | .180 |
| 30 F 35110 | 24 | 240 | . 22 | . 162 | . 13 | 30 F 35326 | 160 | 161 | . 33 | . 245 | . 196 |
| 30 F 35128 | 27 | 270 | . 22 | .162 | .13 | 30 F 35334 | 180 | 181 | . 36 | 269 | . 215 |
| 30 F 35136 | 30 | 300 | .22 | .162 | .13 | 30 F 35342 | 200 | 201 | . 39 | . 291 | .233 |
| 30 F 35144 | 33 | 330 | . 22 | .162 | .13 | 30 F 35359 | 220 | 221 | . 40 | . 30 | 24 |
| 30 F 35151 | 36 | 360 | . 22 | . 168 | .135 | 30 F 35367 | 240 | 241 | .43 | . 324 | 259 |
| 30 F 35169 | 39 | 390 | . 22 | .168 | . 135 | 30 F 35375 | 250 | 251 | . 45 | .334 | . 287 |
| 30 F 35177 | 43 | 430 | . 22 | .168 | . 135 | 30 F. 35333 | 2701 | 271 | . 42 | .312 | 25 |
| 30 F 35185 | 47 | 470 | . 23 | .171 | . 137 | 30 F 35391 | 3001 | 301 | .46 | .346 | . 277 |
| 30 F 35193 | 50 | 500 | . 23 | .171 | .137 | 30 F 35409 | $330+$ | 331 | . 43 | . 324 | 259 |
| 30 F 35201 | 51 | 510 | . 23 | .171 | . 137 | 30 F 35417 | 360 | 361 | . 46 | .346 | . 277 |
| 30 F 35219 | 56 | 560 | , 23 | . 174 | . 14 | 30 F 35938 | 3901 | 391 | . 49 | 367 | . 294 |



## TYPE DM-19 (CMOG) DIPPED SILYER MICA CAPACITORS

TYPE OM-19 (C Style CM06) 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 . DF bear CM06 type designations. All have $\pm 5 \%$ tolerance. All 500 DCWV except * 300 WV and 1100 WV. Shpg. wt., 2 oz.

| Stoct No. | Cag. M MF | $\begin{gathered} \text { DM-19 } \\ \text { Type } \end{gathered}$ | $\begin{gathered} \text { NET } \\ 1-24 \end{gathered}$ | $\begin{aligned} & \text { EACH } \\ & 25-99 \end{aligned}$ | $\begin{aligned} & 100 \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 F 39725 | 100 | 101 | . 20 | . 15 | . 12 |
| 30 F. 35433 | 110 | 111 | . 20 | . 15 | . 12 |
| 30 F 35441 | 120 | 121 | . 20 | . 15 | . 12 |
| 30 F 35458 | 130 | 131 | . 21 | . 156 | . 125 |
| 30 F 35466 | 150 | 151 | . 21 | . 156 | . 125 |
| 30 F 35474 | 160 | 161 | . 21 | . 156 | . 125 |
| 30 F 35412 | 180 | 181 | . 21 | . 156 | . 125 |
| 30 F 35490 | 200 | 201 | . 21 | . 156 | . 125 |
| 30 F 35508 | 220 | 221 | 21 | . 155 | . 125 |
| 30 F 35516 | 240 | 241 | 21 | . 156 | . 125 |
| 30 ¢ 35524 | 250 | 251 | . 21 | . 156 | . 125 |
| 30 F 35532 | 270 | 271 | . 23 | . 171 | . 137 |
| 30 F 35540 | 300 | 301 | . 23 | . 171 | . 137 |
| 30 F 35557 | 330 | 331 | . 23 | . 171 | . 137 |
| $30 . F 35565$ | 360 | 361 | 26 | . 193 | . 154 |
| 30 ¢ 35573 | 390 | 391 | . 26 | . 193 | . 154 |
| 30 F 35581 | 430 | 431 | . 26 | . 193 | . 154 |
| 30 F 35599 | 470 | 471 | . 29 | . 217 | . 174 |
| 30 F 35507 | 500 | 501 | . 29 | . 217 | . 174 |
| 30 F 35615 | 510 | 511 | . 29 | . 217 | . 174 |
| 30 F 35623 | 560 | 561 | . 29 | . 217 | . 174 |
| 30 F 35631 | 620 | 621 | . 32 | . 239 | . 181 |
| 30 F 35649 | 680 | 681 | . 32 | . 239 | . 191 |
| 30 F 35656 | 750 | 751 | . 35 | . 26 | . 20 \% |
| 30 F 35664 | 820 | 821 | . 38 | . 282 | . 225 |
| 30 F 35672 | 910 | 911 | . 38 | . 282 | . 225 |
| 30 F 35680 | 1000 | 102 | .41 | . 306 | 245 |
| 30 F 35698 | 1100 | 112 | 4 | 327 | . 262 |
| 30 F 35706 | 1200 | 122 | . 47 | . 349 | 279 |
| 30 F 35714 | 1300 | 132 | . 50 | . 373 | . 299 |



Designed primarily for transmitter, induction heaters, X-Rays, efc. Tolerance 850 type $\pm 10 \%, 858$ type $\pm 20 \%$. Mounting $1 /{ }^{\prime \prime}$ long hex studs tapped 6/32 thread. Al 7500 DCWV except ${ }^{5} 5000 \mathrm{v}$. Temp. Coeffi clent types ending in $\mathbf{Z}$ NPO. ending in N N750. Avg. shpg. wt., 2 oz.

| Stock Mo. | CRL No. |  |  | Price chedule |
| :---: | :---: | :---: | :---: | :---: |
| 33 F 24498 | 850S-252 | 25 |  |  |
| 33 F 24506 | 850s-502 | 50 |  |  |
| 33 F 24514 | 850S-50N | 50 |  | 2.7082 |
| 33 F 24522 | $850 \mathrm{~S}-75 \mathrm{~N}$ | 75 | 5-29 | 2.43 ea |
| 33 F 24530 | 850S-100 ${ }^{\text {* }}$ | - 100 | $30 \cdot 10$ | 02.14 es |
| 33 F 24548 | 858S-500** | 500 |  |  |
| 33'F 24555 | 8585-1000* | - 1000 |  |  |

## CENTRALAB <br> TYPE OD 1000 WVDC CERANIC DISCS

Ideal for by-pass coupling in high frequency circuits. 1000 VDC working except DD.103. DD-153, DD-203, DD-303. DD-403, DD-503 which are $6 C 0$ VOC working. Tolerance all $\pm 10 \%$ except $\pm 20 \%, + \pm .5 \mathrm{MmF}$. GMV, $+80-20 \%$. Avg. shpes. wt,, 2 oz.
steck Me. Det. mmf Stock Me. DD- mmi 33 F 22583 3R3† 3.3 33 F $22999391 \quad 390$ $\begin{array}{cccccccc}33 & \text { F } 22591 & 050 & 5 & 33 & 24977 & 401 & 400 \\ 33 & \text { F } 22617 & 628 & 6.8 & 33 & \text { F } 22997 & 471 & 470\end{array}$ 33 F 22625 7R5 7.5 33 F 23011 471G\$ 470 33 F 22641 1*0 $10 \quad 33$ F $23029501 \quad 500$ 33 F $2265: 120 \quad 12 \quad 33$ F $23045 \quad 561 \quad 560$ $\begin{array}{lllllllll}33 & \text { F } 22666 & 150 & 15 & 33 & \text { F } 23052 & 601 & 600 \\ 33 & \text { F } 22674 & 180 & 18 & 33 & \text { F } 23060 & 681 & 680\end{array}$ 33 F $22682200 \quad 20 \quad 33$ F $23078751 \quad 750$ 33 F $22690220 \quad 22 \quad 33$ F $23036801 \ddagger 800$ $\begin{array}{lllllllllll}33 & \text { F } 22708 & 240 & 24 & 33 & F & 23094 & 821 & 820\end{array}$ $\begin{array}{rlllllll}33 & \text { F } 22716 & 250 & 25 & 33 & \text { F } 23102 & 911 & 910 \\ 33 & 22724 & 270 & 27 & 33 & \text { F } 23110 & 102 & 1000\end{array}$ $\begin{array}{llllllll}33 & \text { F } 22724 & 270 & 27 & 33 & \text { F } 23110 & 102 & 1000 \\ 33 & \text { F } 22732 & 300 & 30 & 33 & \text { F } 23124 & 102 \mathrm{G} \ddagger \\ 1000\end{array}$ 33 F $22740330 \quad 33$ 33 F $23136122 \quad 1200$

 33 F 22799560056 33 F $22807680 \quad 68 \quad 33$ F $23201 \begin{array}{lllll}2024 & 2000\end{array}$ 33 F $22815 \quad 750 \quad 75 \quad 33$ F 23219 222: 2200 $\begin{array}{llllllll}33 & \text { F } 22823 & 820 & 82 & 33 & \text { F } & 23227 & 252 \% \\ 2500\end{array}$
 33 F $22856121 \quad 120 \quad 33$ F $23243 \quad 302 \ddagger 3000$ 33 F $22864131 \quad 130 \quad 33$ F $23250332 \pm 13300$ 33 F $22872151 \quad 150 \quad 33$ F 2326 392t 3900 33 F 27880181180
33 F $22898 \quad 201 \quad 200 \quad 33$ F $23284432 \ddagger 4300$ 33 F $22306221220 \quad 33$ F $23292472^{\circ} 4700$ 33 F $22914241240 \quad 33$ F $23300472 \mathrm{G} \$ 4700$ 33 F 22922251250 33 F $23318502 \ddagger 5000$ 33 F $22930 \quad 271270 \quad 33$ F $233265022 * 5000$ 33 F 2294: $301300 \quad 33$ F $23334562 \nmid 5600$ 33 F $22955 \quad 331 \quad 330 \quad 33$ F $23342 \quad 68216800$
 33 F $22971361 \quad 360 \quad 33$ F 2336782248200
NET EACH ANY OF ABOVE IN LOTS OF 1-99.15 100 UP . 119

| Steck No. | CRL Ne. DD. | $\begin{aligned} & \text { Cap. } \\ & \text { MFD } \end{aligned}$ | 1.99 | $100$ |
| :---: | :---: | :---: | :---: | :---: |
| 33 F 23375 | $103 \$$ | . 01 | . 24 | . 18 |
| 33 F 23383 | 1032* | . 01 | . 24 | . 19 |
| 33 F 23391 | 153** | . 015 | . 24 | . 19 |
| 33 F 23409 | 203** | . 02 | . 45 | . 358 |
| 13 F 23417 | 303** | . 03 | . 45 | . 356 |
| 33 F 23425 | $403{ }^{\circ}{ }^{\circ}$ | . 04 | . 45 | . 358 |
| 33 F 23433 | 503** | . 05 | . 45 | . 356 |

Two individuslly shielded capacitors in one small case, AI 600 WVDC. Tolerance GMV. Avg. shpg. wt., 202.

| Stock Mo. 0003 | MFD | Price schedule |  |
| :---: | :---: | :---: | :---: |
| 33 F 23441 102 $2 X$ .001 <br> 33 F 23458 152 $2 X$ .0015  <br> 33 F 23466 202 $2 X$ .002 <br> 33 F 23474 502 $2 X$ .005  <br> 33 F 23482 103 $2 X$ .01  |  |  |  |
|  |  |  |  |
|  |  | 100 up | . 238 ea. |
|  |  |  |  |

Alt tolerance GMV except DD16-153 is +80 $-20 \%$. Avg shpg. wt., 2 oz.

| Stack Me. | cRL Ne. ODTE | Cap. MFD | Not Each In Lots of |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1.99 | 100 |
| 33 F 23490 | 302 | . 003 | . 27 | . 21 |
| 33 F 23508 | 402 | . 004 | 27 | . 21 |
| 33 F 23516 | 502 | . 005 | . 27 | 21 |
| 33 F 23524 | 602 | . 006 | . 27 | 21 |
| 33 Fr 23540 | 752 | . 0075 | . 27 | 21 |
| 33 - 23557 | 802 | . 008 | . 27 | 21 |
| 33 ह 23565 | 103 | . 01 | 27 | . 21 |

# Dipped Mylar - Paper Capacitors And Filters STANDARD BRAND DIPPED MYLAR-PAPER CAPACITORS <br> SPRAGUE ORANGE DROP <br> Shpg. wt., 2 ox. <br> ELMENCO DP <br> MALLORY PVC 

| Stock Mo |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | . 005 | 18 | $1{ }^{16}$ | ${ }_{13}^{13}$ |  |
|  | .00688 | 18 | ${ }^{16}$ | 13 |  |
| ${ }_{34}{ }^{4} 567657$ | 00 | ${ }_{18}^{18}$ | 16 | 13 |  |
|  | ${ }_{0}^{015}$ | 188 | . 16 | ${ }_{13}$ |  |
| ${ }_{34} 34 \mathrm{~F} 77081$ | . 022 | 18 | 16 | ${ }^{13}$ |  |
| ${ }_{34} \mathbf{3 4} \mathrm{~F} 677097$ | ${ }^{\text {. } 035}$ | 18 | . 16 | ${ }_{13}$ |  |
| ${ }_{3}^{34 \%} \mathrm{~F}$ 67112 | ${ }_{\text {. } 043}$ | 18 | . 16 | 13 |  |
|  | .097 | ${ }_{21}^{21}$ | 19 | 15 |  |
| 34 F 67156 | .056 | 21 | 19 | 15 |  |
|  | . 0.058 | ${ }_{21}^{21}$ | 19 | 15 |  |
|  |  | 21 |  |  |  |
| ${ }_{34} 34 \mathrm{~F}$ ¢7206 | 2 | ${ }_{27}^{24}$ | ${ }^{24}$ | ${ }_{19}$ |  |
| 34F 6 c7214 | 25 | 27 | 27 | 19 |  |
| ${ }_{\substack{34 \\ 3467230}}$ | ${ }^{23}$ | ${ }_{36}$ | 32 | ${ }_{26}$ |  |
| ${ }_{34} \mathbf{3 4} 5677255$ | 5 | ${ }_{45}$ | ${ }_{4} 1$ | ${ }^{33}$ |  |
|  |  | . 57 | ${ }^{51} 5$ | ${ }_{.41}^{4}$ |  |


| 200 WVDC |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| ${ }^{345} 882015$ | . 02 | . 18.12 | . 09 |  |
| ${ }_{3}^{34} \mathbf{3 4 8} 82031$ | . 089 | 18 | 10 |  |
| ${ }_{34}^{348} 882056$ | ${ }^{.05}$ | .18 13 | ${ }_{11} 10$ | O8 |
| ${ }_{\substack{3}}^{34 \mathrm{~F}} \mathbf{3} \mathrm{~F} 82064$ | ${ }^{15}$ | 30 | ${ }_{16}^{13}$ | 11 |
| 345827890 | 22 | 30 <br> .30 <br> 20 | 16 |  |
| ${ }_{\text {f }}^{822096}$ | ${ }^{23}$ | ${ }_{3} .3$ | ${ }_{22}^{16}$ |  |
|  | 17 | ${ }_{48}{ }_{4}$ | ${ }_{.26} 26$ | 1 |
| 400 wv |  |  |  |  |
|  | . 01 | ${ }^{.15}$ | ${ }^{08}$ | 06 |
|  | ${ }^{02}$ |  |  |  |
| 34488271 | . 025 | 18 | ${ }_{10}$ |  |
|  | ${ }_{0}^{03}$ | 188 13 | 10 | ${ }^{08}$ |
| ${ }_{34}{ }^{\text {a }}$ 8 822205 | .033 | .21 15 | 11 | \% |
| ${ }_{\substack{34 \\ 34 \% \\ 842221}}$ | ${ }^{.057}$ | ${ }_{21} 21.15$ | 11 | -99 |
|  | ${ }^{.056}$ | . 21 | ${ }_{12}^{12}$ | 10 |
|  | 075 |  |  |  |
| ${ }_{34}{ }^{34} 88822780$ | ${ }^{15}$ | ${ }_{30}$ | 19 | 1 |
| ${ }_{34}^{34 \mathrm{~F}} 8822288$ | 2 | .36 <br> 36 <br> .26 <br> 26 | 20 | 16 |
| ceme |  |  |  |  |
| $34 \% 67880$ | :33 | . 54.48 |  | 33 |
|  | ${ }^{.9}{ }^{47}$ | ${ }_{7} .6$ | 47 |  |


|  | 600 WVOC |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| F 82312 | . 001 | . 15 | . 10 | . 08 | 6 |
| $\mathrm{F}^{\mathrm{F}} 8232320$ | . 0012 | . 15 | . 10 | ${ }^{.08}$ | , |
| 34 F 82346 | . 0018 | . 15 | . 10 | . 08 | 6 |
| F 82353 | . 002 | . 15 | . 10 | . 08 | 07 |
| F 82361 | . 0022 | . 15 | . 10 | . 08 |  |
| ${ }^{82379}$ | . 00225 | 15 | . 10 | 8 | 07 |
| ${ }^{82387}$ | ${ }^{.0027}$ | +15 | . 10 | 08 | 07 |
| F ${ }_{82003}^{2395}$ | .0033 | +15 | 10 |  | 07 |


|  | 600 | WVDC (Cont.) |
| :---: | :---: | :---: |
|  | CAP. | NET EACH IN LOTS OF |
| stack No. | MFO. | 1.24 |


|  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 F 82411 | . 0039 | . 15 | . 10 | . 08 | 07 |
| 34 F 82429 | . 004 | . 15 | . 10 | . 08 | . 07 |
| 34 F 82437 | . 0047 | .15 | . 10 | . 08 | . 07 |
| 34 F 82445 | . 005 | . 15 | . 11 | . 08 | . 07 |
| 34 F 82452 | . 0056 | . 15 | .11 | . 08 | . 07 |
| 34 F 82460 | . 006 | . 15 | . 11 | . 08 | . 07 |
| 34 F 82478 | . 0068 | . 15 | . 11 | . 08 | 07 |
| 34 F 82486 | . 00075 | . 15 | . 11 | . 09 | . 07 |
| 34 F 82494 | . 008 | . 15 | . 11 | . 09 | . 07 |
| 34 F 82502 | . 0082 | . 15 | . 11 | . 09 | . 07 |
| 34 F 82510 | . 01 | . 15 | . 11 | . 09 | . 07 |
| 34 F 82528 | . 012 | . 15 | . 11 | . 09 | . 07 |
| 34 F 82536 | . 015 | . 18 | . 12 | . 09 | . 07 |
| 34 F 82544 | . 02 | . 18 | . 12 | . 10 | . 08 |
| 34 F 82551 | . 022 | .18 | . 13 | . 10 | . 08 |
| 34 F 82569 | . 025 | . 18 | . 14 | . 11 | . 08 |
| 34 F 82577 | . 027 | . 18 | . 14 | . 11 | . 08 |
| 34 F 82585 | . 03 | . 18 | . 14 | . 11 | . 08 |
| 34 F 82593 | . 033 | . 18 | . 14 | . 11 | . 08 |
| 34 F 82601 | . 035 | . 21 | . 14 | . 11 | . 09 |
| 34 F 82619 | . 039 | . 21 | . 14 | . 11 | . 09 |
| 34 F 82627 | . 04 | . 21 | . 15 | . 12 | . 09 |
| 34 F 82635 | . 047 | . 21 | . 15 | . 12 | . 09 |
| 34 F 82643 | . 05 | . 21 | . 15 | . 12 | . 10 |
| 34 F 82650 | . 056 | . 21 | . 16 | . 12 | . 10 |
| 34 F 82668 | . 06 | . 27 | . 18 | . 14 | . 11 |
| 34 F 82676 | . 068 | . 27 | . 18 | . 14 | . 11 |
| 34 F 82684 | . 075 | . 27 | . 19 | . 15 | . 12 |
| 34 F 82692 | . 082 | . 27 | . 19 | . 15 | . 12 |
| 34 F 82700 | . 1 | . 27 | . 20 | . 15 | . 12 |
| 34 F 82718 | . 15 | . 36 | 27 | . 21 | . 17 |
| 34 F 82726 | . 2 | . 45 | . 33 | . 26 | . 21 |
| 34 F 82734 | . 22 | . 45 | . 33 | . 26 | . 21 |
| 34 F 82742 | . 25 | . 48 | . 34 | . 26 | 21 |
| 34 F 68261 | . 33 | . 63 | . 57 | . 45 | . 39 |
| 34 F 68279 | . 47 | . 90 | . 81 | . 65 | 55 |
| 34 F 68287 | . 5 | . 90 | . 81 | . 65 | 55 |


| 34 F 82833 | . 0005 | . 48 | 35 | . 28 | . 22 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 F 82841 | . 001 | . 18 | . 12 | . 09 | . 07 |
| 34 F 82858 | . 0015 | . 18 | . 13 | . 10 | . 08 |
| 34 F 82866 | . 002 | . 21 | . 14 | . 11 | . 09 |
| 34 F 82874 | . 0022 | . 21 | . 14 | . 11 | . 09 |
| 34 F 82882 | . 003 | . 21 | . 15 | . 12 | . 10 |
| 34 F 82890 | . 0033 | . 21 | . 15 | . 12 | . 10 |
| 34 F 82908 | . 004 | 24 | . 18 | . 14 | . 11 |
| 34 F 82916 | . 0047 | 24 | . 18 | . 14 | . 11 |
| 34 F 82924 | . 005 | . 27 | . 18 | . 14 | . 11 |
| 34 F 82932 | . 006 | . 27 | . 19 | . 15 | . 12 |
| 34 F 82940 | . 0068 | . 27 | . 19 | . 15 | . 12 |
| 34 F 82957 | . 007 | . 27 | . 20 | . 15 | . 12 |
| 34 F 82965 | . 0075 | . 27 | . 20 | . 15 | . 12 |
| 34 F 82973 | . 008 | . 27 | . 20 | . 15 | . 12 |
| 34 F 82981 | . 01 | -. 30 | . 20 | . 16 | . 13 |
| 34 F 82999 | . 015 | . 36 | . 26 | . 20 | . 16 |
| 34 F 83013 | . 02 | . 39 | . 29 | . 22 | . 18 |
| 34 F 83021 | . 022 | . 42 | . 30 | . 23 | . 19 |
| 34 F 83039 | . 03 | . 48 | . 35 | . 28 | 22 |
| 34 F 83047 | . 04 | . 60 | . 45 | . 35 | . 28 |
| 34 F 83054 | . 05 | . 69 | . 51 | . 39 | . 32 |

## 2000 WVDC

| 34 | F 83260 | .001 | .24 | .17 | .13 |
| :--- | :--- | :--- | :--- | :--- | :--- |

## .001 MFD-400 VOLT SPECIAL <br> QUANTITIES LImITEO <br> Twenty-five .001 mfd .400 volt molded plastic capacitors. Shpg. wt., 402. 32 F 01282



Type 1F-18. Fig. A. An effective all-wave ca-pacitive-inductive type filter for use with all types of electrical appliances causing severe radlo and TV interference, such as air conditioning and ventlating units, machine tools, washing machines, etc. In bakelite case, $6 \times 33 / 4 \times 2 \frac{1 / 2^{\prime \prime}}{}$, with line cord and plug, receptacle and ground terminal. Binding post for atfachment of ground wire. Rated at 115 V AC-DC, 5 amperes. 34 F 58114 Shpg. wt., 5 lbs.

Net 9.50
Type 1F-19. Fig. B. An effective capacitiveinductlve type filter, smaller than above, yet having the same degree of attenuation of severe interference. For ellmination of Interference from food mixers, diathermy machines, electric fans, neon signs, washing machines, business machines, etc. Has line cord, plug, receptacle and terminal for ground connection. Rated 115 V AC.DC, 5 amperes. In bakelite case $4 \times 21 / 4 \times 27 / \mathrm{s}^{\prime \prime}$.
34 F 58122 Shpg. wt., 2 lbs.
Net 8.50
Type IF-4. Fig. C. A plastic cylindrical filter for use with small radios and portable TV sets for reduction of low or medlum intensity interference caused by small portable electrical appliances such as electric shavers, fans, adding machines, etc. Rated 110 V AC.OC, 5 amps. Connects to power line between radio plug and outlel. 34 F 58130 Shpg. wt., 402.

Net 1.44
Type IF-6. Fig. 0. A plastic 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 line and radio. Has binding post terminal for grounding. Rated 110 V AC. DC, 10 amperes. ${11 / a^{\circ \prime}}^{\prime \prime}$ dia, $2^{\prime \prime}$ long. 34 F 58148 Shpg, wt., 5 oz.

## WIRED-IN TVPE

Type IF-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-OC. Cylindrical metal case $7 / 8^{\prime \prime}$ dia., $17 / 8^{\circ \prime}$ long 34 F 58163 Shpg. wt., 602.

Net 1.38
Type IF-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 $2 \times 2 \times 11 / 4^{n}$. W/tabs for mounting. 34 F 58171 Shpg. wt., 8 oz .

$$
\text { Net } 3.74
$$

Net 3.74

# Coils - Coil Forms - Coil Winder 



## UNSHIELDED MINIATURE TRANSISTOR OSCILLATORS

(Fig. A.) The 34 F 88012 oscillator coil (Re vised 5 -lug) is designed for use in a con verter oscillator circuit. The 34 F 87022 os cillator coil (6-lug) is for use where a separate transistor is used for the oscillator and another transistor for the mixer. I.F. Freq. 455 kHz . Avg. Shpg, wt. 3 oz .
Dimensions: $3 /{ }^{\prime \prime} \times{ }^{\prime \prime}$ high

| Stock No. | Miller | Capacity | Net |
| :--- | :--- | ---: | :--- |
| 34 F 88012 | 2020 | 365 mmf | 2.10 |
| 34 F 87014 | 2022 | $78-100 \mathrm{mmf}$ | 2.10 |
| 34 F 87022 | 2023 | 365 mmf. | 2.10 |

## SUB-MINIATURE TRANSISTOR I.F.'s AND OSCILLATOR

(Fig. B.) Cup core construction permits the use of extremely small shields withoul ad. versely affecting transformer operation. A high impedance, tapped primary winding coupled to a low impedance secondary provides optimum energy transfer between stages. Dimensions: $3 / /^{\prime \prime}$ sq. $\times 3 / 6^{\prime \prime}$ high. Shpg. we., 302.

Stock No. Mllier Freq. Imp. Item Net 34 F $860819 . \mathrm{Cl} 455 \mathrm{kHz} 25 \mathrm{~K}$. Input 3.00 600 ohms
34 F 86131 9-C2 $455 \mathrm{kHz} \quad 25 \mathrm{~K}$ - Output 3.00 1000 ohms
34 F 870302021 Oscillator (Tuning 2.67
Cap. 78 pF Max.)

## 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. $3 / 4^{\prime \prime} \times 11 / 4^{\prime \prime}$ long. Speciflcations 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. wi, 302.

| Stock No. | Untapped Type | $L \mathrm{Min}$. | L. Max. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 34 F 89846 | 69001 | $40 \mu \mathrm{~h}$ | 240 MH | 1.98 |
| 34 F 89853 | 39002 | 180 MH | H . 800 MH | 1.80 |
| 34 F 89861 | 19003 | . 570 MH | H 2.80 MH | 2.16 |
| 34 F 89887 | 79005 | 6.00 MH | H 16.0 MH | 2.88 |
| 34 F 89895 | 59006 | 12.0 MH | H $\quad 40.0 \mathrm{MH}$ | 3.27 |
| 34 F 89991 | 19008 | 78.0 MH | H 240. MH | 3.39 |
| 34 F 86511 | 19009 | 180. MH | H 750. MH |  |
| Stock No. | Tapped Type | Ref. Type | Ratio | Net |
| 34 F 89937 | 79012 | 9002 | 204/68 | 2.15 |
| 34 F 89945 | 59013 | 9003 | 376/128 | 2.52 |
| 34 F 89978 | 89016 | 9006 | 1480/493 | 3.27 |
| 34 F 89994 | 49018 | 9008 | 3860/1286 | 3.78 |
| 34 F 86529 | 99019 | 9009 | 6100/2030 | , |

## MINIATURE I.F. TRANSFORMERS

(Fis. C.) Designed for experimental use and for general replacement in personal radio receivers. Shell core, permeability tuned. Tuning from top and bottom of the shleld. Transformers are available for all standard IF. 12 H series for 262 kHz . 12 C series for 455 kHz .1463 thru 1465 for 10.7 MHz and 6203. 6204,6205 for 4.5 MHz . Dimensions: $3 / 4^{\prime \prime} \times$ K." $^{\prime \prime} \times 2^{\prime \prime}$ high. "With diodes, filter capacitors. Avg, shpg. wt., 402.

| Stock No. | Miller | Item | Net |
| :---: | :---: | :---: | :---: |
| 34 F 87246 | 12.41 | Input If | 2.22 |
| 34 F 87253 | 12-H2 | Output IF | 2.22 |
| 34 F 87261 | 12-46 | Output IF | 2.28 |
| 34 F 87279 | 12.C1 | Input 16kHz@ 6 db | 10 |
| 34 F 87287 | 12-C2 | Output 21 kHz @ $6 \mathrm{db}$ | 2.10 |
| 34 F 87295 | 12-C6 | Output IF | 2.37 |
| 34 F 87329 | 12-C45 | Discriminalor | 3.42 |
| 34 F 87337 | 1463 | Input | 2.49 |
| 34 F 87345 | 1464 | Discriminator | 2.88 |
| 34 F 87352 | 1465 | Ratlo Detector | 3.00 |
| 34 F 87360 | 1464-WB | Disc. $900 \mathrm{kHz} \mathrm{P/P}$ | 3.06 |
| 34 F 87378 | 6203 | Input | 2.52 |
| 34 F 87386 | 6204 | Discriminator | 2.88 |
| 34 F 87394 | 6205 | Ratio Detector | 2.88 |

## UNIVERSAL ADJUSTABLE OSC. COIL

(Fig. D.) Adjustable iron core oscillator coil for general replacement use, RF freq. 500 1800 kHz , If freq. $100 \cdot 500 \mathrm{kHz}$. Dimensions $5 / 8^{\prime \prime} \times 11 / 2^{\prime \prime}$ high. Shpg. wt., 302. 34 F 87048 Miller Type 71 -OSC ...... Net 2.10

## MILLER R.F. COIL FORMS



Fine grade quality coil forms. Frequency range of core is $1-20 \mathrm{MHz}$. Types 20AOOO-2, 21A000-2, 22A000-2 are constructed of a phenol impreg. nated tubing which could be certified to MIL.P-798, type PBG. Type $4200-2$ is strong nylon. Types $4300-2,4400-2$, 4500-2 are made of silicone-impregnated ceramic. In accordance with JAN 1-10. grade 15. Hardware is included. Shpg. wt., 302

Stock No. Type No. Dia, Lgth. Hole Net 34 F 89432 20A000-2 13 . Hole Ea. $\begin{array}{llllll}34 \text { F } 89135 & 21 A 000-2 & 3 / 4 & 11 / 8 & 1 / 4 & 1.17\end{array}$
 $\begin{array}{llllll}34 \text { F } 89507 & 4200-2 & .289 & 13 / 6 & 1 / 4 & .93 \\ 34 \text { F } 87725 & 4300-2 & \text { K. } & 5 / 6 & 1 / 6 & 1.35\end{array}$ $\begin{array}{llllll}34 \text { F } 89515 & 4400-2 & 3 / 8 & 1 K_{6} & 1 / 4 & 1.65 \\ 34 \text { F } 89523 & 45001-2 & 1 / 4 & 1 / 8 & \text { K } & 1.44\end{array}$


## PHENOLIC FORM

 3-SECTION WINDINGSSize: $K_{0}{ }^{\prime \prime}$ dia. $x^{3 / 4 m}$ long. Shpg. wt. 302

Stack No. Mitter mh Ohms Max. ma Net | 34 | F 88277 | 4646 | 0.24 | 8.16 | 125 |
| ---: | ---: | ---: | ---: | ---: | ---: |
| 34 | F 88285 | 4649 | 0.55 | 13.2 | 125 | $\begin{array}{llllll}34 \text { F } 88293 & 4652 & 1.0 & 19.8 & 125 & .90\end{array}$

| COILMASTER DELUXE ACCURATE COIL WINDER <br> Latest redesigned model gives even greater accuracy than ever to meet modern requirements. Easy-to-use set winds honeycomb, spiderweb and solenoid colls of varlous widths and diameters-equal in appearance to a factory job. Also sultable for winding chokes, transformers and filter inductors. Indicator counts number of turns on coll. Uses \#22 to \#0 wire. Supplied with accessories including wood spools, metal pegholders and extension for making long solenoid coils, Instructions included, but less coil form and pegs. Shpg. wt., 2 lbs. <br> 32 F 87018 <br> Net 8.25 |
| :---: |

(Fig. E.) a complete line of unshielded per. meability tuned coils for replacement use or as the front end components in new recelver design. Ranges shown are for use with a 365 mmid variable tuning condenser. Dimensions: $3 / 8^{\prime \prime} \times 2^{\prime \prime}$. Avg. shpg. wt.. 3 oz. Stock No. miller No.

Use
LONG.WAVE COILS (140-420 KC) 34 F 87063 X-5495.A

Antenna Stage 34 F 87071 X-5495-RF 34 F 87089 X-5495-C

Standard Osc, RF Stage 34 F 87097 X-5496.C Tapped Osc, 455 kHz BROAOCAST BAND COILS ( 540.1700 kHz ) 34 F 87105 A-5495-A

Antenna Stage 34 F 87111 A-5495-A
34 F 87113 A.5495.RF 34 F 871113 A.5495-RF
34 F 87121 A.5495-C Standard 0sc. 455 kHz Tapped Osc. 455 kHz MEOIUM WAVE COILS ( 1.75 .5 MHz ) 34 F 87147 B.5495.A 34 F 87154 B-5495.RF RF Stage 34 F 871 E2 B-5495-C Standard Osc. 455 kHz 34 F 881 e6 B-5496-C Tapped Osc. 455 kHz SHORT WAVE BROADCAST COILS (5-18 MHz) 34 F 87519 C.5495.A Antenna Stage 34 F 97170 C 5495 PF 34 F 87170 C-5495-RF RF Stage 34 F 87188 C-5495.C Standard Osc. 455 kHz 34 F 87196 C. $5496 . \mathrm{C}$ Tapped Osc. 455 kHz

HIGH FREQUENCY COILS ( 12.36 MHz ) 34 F 87204 D-5495-A Antenna Stage 34 F 87212 D-5495-RF RF Stage 34 F $87230 \quad$ D.5495-C Standard Osc. 455 kHz 34 F $87238 \quad 0-5496 . \mathrm{C}$ Tapped Osc. 455 kHz Any of above

Net ea. 2.28

## HIGH-Q FERRITE ANT. COIL

(Fig. G.) Highly efficient broadcast band antenna coil for use in small receivers where no external antenna is desired. High-per. meabllity low loss ferrite tuning core. Freq. range, $500-1700 \mathrm{kHz}$. Supplied with mounting bracket and $18^{\prime \prime}$ polyethylene insulated an tenna wire. size: $7 \mathrm{~g}^{\circ \prime} \times 21 / 4^{\prime \prime}$. Wt., 302 . 34 F 87055 Miller 6300 Net 1.44

### 10.7 MHz TRANSISTOR I.F.'S

(Fig. F.) A complete serles of If Transform ers specifically designed for operation with transistors. Single tuned IF's and double
 $5 / 9^{\prime \prime}$ high-size: ratio detector- $1 / 22^{\prime \prime} x^{3} / 4^{\prime \prime} x$ 1/2" high. Shpg. wt., 3 oz

| 34 F 88145 | 2070 | 1st IF | 2.85 |
| :--- | :--- | :--- | :--- |
| 34 F 88152 | 2071 | 2nd IF | 2.85 |
| 34 F 88160 | 2072 | 3rd IF | 2.85 |
| 34 F 88178 | 2073 | Ratlo Det. | 3.39 |

## 3/4" PERMEABILITY

## TUNED I.F. COILS

Tuned top and bottom. powdered iron cores Silvered mica condensers, molded plastic bases, etched aluminum cans. $3 / 4 \times 3 / 4 \times 2^{\prime \prime}$ With mounting clip and plate. "Spade bolt mtg , with leads, $1=$ with diode condenser. Shpg. wt., 3 oz.

Stock No. Type Function Net 32 F 55320 16-6758 455 kHz Input 2.18 32 F $55346 \quad 16.6752 \quad 262 \mathrm{kHz}$ Input 2.56 32 F $55361 \quad 16.3487 \quad 10.7 \mathrm{MHz}$ FM Input 3.45 32 F 55379 16.6678* 455 kHz AC-OC 3.83

## HORIZOHTAL LINEARITY

## AND WIDTH CONTROLS

Iron core variable inductance coils for line. arity and width adjustment. Wound on a bakellte form 3 /9" in diameter. Mtg. clip fits K ${ }^{\prime \prime \prime}$ hole. $6300^{\prime} \mathrm{s}$-phenolic form. Avg, shpg. wt. $30 z_{.}$

| Stock No. | Milfer | Millihenries | Net |
| :---: | :---: | :---: | :---: |
| 34 F 88384 | 6196.A | .054-.50 Tapped | 1.41 |
| 34 F 88442 | 6314 | 2.0-18 | 1.65 |
| 34 F 88459 | 6315 | 4.0-30 | 1.65 |
| 34 F 884E3 | 6318 | .20-3.0 | 1.5n |
| 34 F 88491 | 6319 | 15.60 | 28 |
| 34 F 88517 | 6321 | 1.0.5.0 Tapped |  |
| 34 F 88525 | 6322 | 1.5.10 |  |
| 34 F 88533 | 6323 | .50.5.0 Tapped |  |
| 34 F 88541 | 6324 | 60.130 Tapp |  |
| 34 F 86487 | 6329 | 2.2-10 Tar |  |
| 34 F 864§5 | 6330 | 45-215 |  |

# Lafayette, Meissner, Miller - Coils \& Components 



The most popular replacement I.F. Ideal for experimenters. Exceptionally high gain powdered iron core, compression tuned 455 kHz midget I.F.- only $3 / 4^{\prime \prime}$ square by $17 / \mathrm{s}^{\prime \prime}$ high. For both input and output circults. Supplied with mounting clip and adapter plate to replace both midget and larger size cans. Shpg. wt., 402 s.
32 F 09467
Singty, each .89
Lots of 10 each . 79

## MILLER TRANS

STANDARD
Has a fixed inductance of $240 \mathrm{\mu h}$ and covers a band of $540-1650 \mathrm{kHz}$. Large pickup area and high 0 . Maximum tuning capacity 365 mmf . @ 790 kHz . 450. Shpg. wt., 3 oz . 34 F 88194 Type 2000

Net 2.58
SUB MINIATURE
Adjustable antenna coil 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 $450 \mathrm{mmi} ; 2007,100250 \mathrm{mmf}$. Wt., 3 Oz . 34 F 87493 Type 2002 ..................... 1.80 34 F 88210 Type 2007 Net 2.25

## RESINITE ADJUSTABLE R.F. COILS



Resinite is a phenolic impregnated tubing which can be certifled to MIL.P.79B type PBG. Combines good mechanical and electrical characteristics. Dimensions: 1/4" dia. ${ }^{13 / 44^{\prime}}$ fong. Avg. shpg. wt., 3 oz.

| URE ADJUSTABLE R.F. COILS |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | mitler <br> Type 20A- | Min. wh. $\pm 5 \%$ | $\text { Max. } \mu \mathrm{h} .$ $\pm 10 \%$ | et |
| 34 F 89440 | 107RB! | . 088 | 120 | 1.29 |
| 34 F 89416 | 157RBI | . 108 | 180 | 1.29 |
| 34.599408 | 477RBI | 356 | 564 | 1.35 |
| 34 F 89374 | 687RBI | . 508 | 816 | 1.35 |
| 34.89382 | 827RB1 | . 735 | . 984 | 1.35 |
| 34.599358 | 106R81 | . 885 | 1.20 | 1.35 |
| 34 F 89366 | 156RBI | 1.08 | 1.80 | 1.35 |
| 34 F 89333 | 226RBI | 1.62 | 2.64 | 1.35 |
| 34 F 89341 | 336RBI | 2.38 | 3.96 | 1.35 |
| 34 F 89325 | 686RBI | 5.08 | 8.16 | t.35 |
| 34 F 89291 | 826RBI | 7.35 | 9.84 | 1.35 |
| 34 F 89275 | 155RB | 10.8 | 18.0 | 1.53 |
| 34 F 89259 | 335 RBI | 23.8 | 39.6 | 1.53 |
| 34 F 89226 | 154RB\| | 108. | 180. | 1.53 |

## FERRITE CORE R.F. CHOKES

A new series of R.F. Chokes taking advanthe high permeabilty of ferrite se chokes combine high induct3w D.C. resistance. Size: $1 / 4^{\prime \prime}$ $3 y^{\prime \prime}$ long. $11 / z^{\prime \prime}$ axial leads.

> 34 fis
288

## Lafayette SUB-MINIATURE TRANSFORMERS ONLY K/o" SQ. AND K/0" HIGH



Same as miniature If transformers to the right except size. Imported. Shpg. wt., 202. 99 F 62473 Oscillator Coll …...........Net .69 99 F 62481 1st iF Net .69 99 F 62499 2nd IF Net .69 99 F 63299 3rd IF Net . 69

## RECEIVER OSCILLATOR COIL

 compact, slug-tuned recelver oscillator coil. Slug tuned to give resultant if frequency of 455 kHz . Has tapped primary. plus secondary windings, Ko" diam, $x \%{ }^{*}$ "L. Avg. $Q=80$. Imported. 99 F 62028 Shpg. wt., 202.

Net .59

## OR ANTENNAS

## FERRITE STRIP



Has an Inductance of $240 \mu \mathrm{~h}$ and is to be used with a condenser having a maximum capacity of 365 mmf . Freq. range $540-1650$ kHz , Q @ $790 \mathrm{kHz}, 500$. Shpg. Wt., 3 oz . 34 F 88202 Type 2004

Net 2.55

## MINIATURE



Has an inductance of $240 \mu \mathrm{~h}$ and is designed for use with a standard variable condenser having a maximum capacity of 365 mmf . Freq. range 540.1650 kHz . © @ 790 kHz . 550. Shpg. wt., 4 oz.

34 F 87485 Type 2001
Net 2.28

## FREQUENCY SELECTIVE R.F. CHOKES



Designed for maximum efflciency 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. De. signed to cover the major Amateur, Industrial, and Citizens bands. Shpg. wt., 302.

| Stock No. | Miller Type No. | 1 | Freq. MHz | Fig. Net |
| :---: | :---: | :---: | :---: | :---: |
| 34 F 89697 | RFC. 14 | $84 \mu \mathrm{~h}$ | 7.20 | 1.41 |
| 34 F 89705 | RFC-21 | $38.5 \mu \mathrm{~h}$ | 15.30 | 1.14 |
| 34 F 89713 | RFC-28 | 24 ¢h | 25.40 | 21.26 |
| 34 F 89721 | RFC. 50 | 8.2 uh | 30.90 | 21.08 |
| 34 F 89739 | RFC-144 | $1.72 \mu \mathrm{~h}$ | 75-180 | 75 |
| 34 F 89747 | RFC-220 | . $82 \mu \mathrm{~h}$ | 160-340 | $\begin{array}{lll}2 & .75\end{array}$ |
| 34 F 89754 | RFC-420 | . $22 \mu \mathrm{~h}$ | 325.500 |  |

SUBMINIATURE ADJUSTABLE R.F. COILS


These compact adjustable colls offer a minimum iwo-to-one inductance range with relatively small changes in $Q$. The tunlng adjustment is accessible from either the top or bottom of the coll assembly. Magnetic and elec. trostatic shielding. Printed circuit terminals Size: $1 / 2^{\prime \prime}$ sq. $\times$ 每"" high. Avg. shpg. wt., 3 oz.

|  | Mifler <br> Type |  |  |  |
| :--- | :--- | :--- | :--- | :--- |

## MINIATURE IF TRANSFORMERS AND OSCILLATOR COHLS



Slug-tuned printed circult mounted miniature if transformers. All have 455 kHz intermediate frequency. Each with schematic and pin contacts. Ideal replacements for Japan. ese transistor radlos. Shpg. wt., 2 oz. Im. ported. All Units only $3 / \mathrm{s}^{\prime \prime}$ Sq. and $5 / 6_{6}$ "High. 99 F 63000 Oscillator coil Inductance $270 \mu \mathrm{~h}$. 99 F 63018 1st IF: pri. 70,000 ohms, sec. 1500 ohms.
99 F 63026 2nd IF: pri. 50,000 ohms, sec. 1000 ohms.
'99 F 63034 3rd If: pri. 30,000 ohms, sec. 5000 ohms.
Any of above
Net ea. . 59

## miller adjustable ceramic

 FORMS AND R.F. COILSPermeability tuned coils wound on silicone impregnated ceramic forms. Hardware neces. sary for assembly is supplled.


Dimensions (form): $7 / 8^{\prime \prime}$ diameter $\times 1 / 40^{"}$ long. Shpg. wt., 3 oz.

| Stock No. | Type | Microhenries | Met |
| :---: | :---: | :---: | :---: |
| 34 \%89515 | 4400 | Form Only | 1.65 |
| 34 F 87535 | 4404 | 1.6-3.1 | 2.22 |
| 34.F87543 | 4405 | 3.3-6.5 | 2,25 |
| 34 F 87550 | 4406 | 7.3.14 | 2.31 |
| 34 F 87568 | 4407 | 16-29 | 2.37 |
| 34 F 87576 | 4408 | 33-66 | 2.52 |
| 34 F 87584 | 4409 | 74-124 | 2.58 |
| 34 F 87592 | 4410 | 138-238 | 2.61 |
| 34 F 87600 | 4411 | 270-451 | 2.64 |
| 34 F 87618 | 4412 | 495-760 | 2.67 |
| 34 F 87626 | 4413 | 825-1300 | 2.70 |
| 34 F 87634 | 4414 | 1400-2000 | 2.70 |

## ECONOMY ADJUSTABLE

 R.F. CHOKESA recently developed nylon molding process makes possible an inexpensive line of adjustable chokes. They are adjustable from either the top or the bottom, giving you design flexibility. Mounting is achieved by way of a metal clip in a Ko" hole. Dimensions: $3 / 9 \times 13 / 4{ }^{3}$ long. Shpg. wt., 3 oz.
Stock No. Milfer Type Microhenries Net

| 34 F 89507 | 4200 | Form only | .93 |
| :--- | :--- | :--- | :--- |
| 34 F 89762 | 4202 | $1-25$ | 1.23 |


| 34 F 89762 | 4202 | $1-2.5$ | 1.23 |
| :--- | :--- | :--- | :--- |
| 34 F89770 | 4203 | $2-5.5$ | 1.26 |


| 34 | F89788 | 4204 | $5-12$ |
| :--- | :--- | :--- | :--- |$\quad 1.29$

34 F $89796 \quad 4205 \quad 10-25 \quad 1.32$

| 34 F 89804 | 4206 | 20.55 | 1.41 |
| :--- | :--- | :---: | ---: |
| 34 F89812 | 4207 | 50.140 | 1.44 |
| 34 F 89820 | 4208 | 120.330 | 1.47 |


| 34 F 89838 | 4209 | $310-860$ | 1.50 |
| :--- | :--- | :--- | :--- |

## 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, $178^{\prime \prime}$ in diameter, $21 / 2^{\prime \prime}$ high. *unshielded tshietded. Average shpg, wt., 402.

| Stock No. | Melssner | Description | Net |
| :---: | :---: | :---: | :---: |
| 32 F 55205 | 14.1010* | Ant. Coll | 2.56 |
| 32 F 55213 | 14-1004 $\dagger$ | Ant. Coil | 2.56 |
| 32 F 55221 | 14-1011* | RF Coll | 2.30 |
| 32 F 55239 | $14.1005 \dagger$ | RF Coll | 2.56 |

To Speed Your Mail Order-

## Coils-Chokes-Insulators

## MILLER COMMUNICATIONS J.F. TRANSFORMERS

Designed for experimental use in communications equip ment where selectivity and stabillity are important. The $100 \mathrm{kHz} \mathrm{I.F}$. tube application, while the 455 kHz crystal filter I.f transformers have taps on the winding to allow for use with both tubes and transistors. The 1800 kHz I.F. trans former offers the best possible " $Q$ " with stability to give a degree of selectivity that compares with lower frequency I.F. transformers. This transformer is for use with tubes only. Type number 1770 is a double tuned I.F. transformer having taps on both Prlmary and Secondary winding. Dimensions: $3 / 4^{\prime \prime}$ by $3 / 4^{\prime \prime}$ by $2^{\prime \prime}$ high. Average shpg. wt., 3 oz.

| Stock No. Type | Description |
| :---: | :---: |
| 34 F 864041709 | $100 \mathrm{kHz} \mathrm{I.F.-2.5} \mathrm{kHz} \mathrm{Bandwidth}$ |
| 34 F 878401710 | 100 kHz I.F. -3 kHz Bandwidth |
| 34 F 878571711 | $100 \mathrm{kHz} \mathrm{B.F.O}$ |
| 34 F 878651725 | 455 kHz Crystal Filter 1.F. Input |
| 34 F 878731726 | 455 kHz Crystal Filter I.F. Output |
| 34 E 878811727 | 455 kHz B.F.O. |
| 34 [87899 1730 | 1800 kHz I.F. -25 kHz Bandwidth |
| 34 F 879071770 | 455 kHz Double Tuned Transistor I.F. $-30 \mathrm{~K}: 1 \mathrm{~K}$ |
| 34 F 879151731 | 1610 kHz Link Coupling Coll Unshielded |
| 34 F 864121732 | 1650 kHz I.F. (Citizens Band Transcelvers) |
| 34 F 864201733 | 1650 kHz Printed Circuit I.F. |
| 34 E 864381740 | $9 \mathrm{MHz} \mathrm{S.S.B} .\mathrm{Input} \mathrm{Trans}$. |
|  |  |

ock No. Type
3.18 2.64 2.46 2.76 2.46 2.28 2.64 3.18 3.00 2.64
2.64 2.64
2.64 2.64

MILLER FM STEREO MULTIPLEX INOUCTORS
For use in FM Stereo Multiplex tuners and receivers, both standard and printed circuit. Size: $3 / 4^{\prime \prime}$ sq. $\times 17 / z^{\prime \prime}$ high. Shpg. wt., 302.

STANDARD

| Stock Mo. | Type | Description | Net |
| :---: | :---: | :---: | :---: |
| 34 F 88749 | 1351 | Low Pass Filter | 2.49 |
| 34 F 88756 | 1352 | Band Pass Filter Series Element | 2.28 |
| 34 F 88764 | 1353 | Band Pass Filter Shunt Element | 28 |
| 34 F 88772 | 1354 | Locked Oscillator 19 kHz |  |
| 34 F 88780 | 1355 | Output Trasnformer 38 kHz |  |
|  |  | PRINTEO CIRCUIT |  |
| 34 F 86798 | 1351.PC | Low Pass Fitter |  |
| 34 F 88806 | 1352.PC | Band Pass Filter Series Element |  |
| 34 F 88814 | 1353-PC | Band Pass Filter Shunt Element | 49 |
| 34 F 88822 | 1354.PC | Locked Oscillator, 19 kHz | 88 |
| 34 F 88830 | 1355.PC | Output Transformer, 38 kHz |  |
| For use in a newly designed circuit that eliminates the 19 kHz Oscil lator and resulting synchronizing problems. In conjunction with an improved tow pass filter and detecting system. Improved separation can be achieved. Shpg. wt., $3 \mathbf{0 z}$. |  |  |  |
|  |  |  |  |
|  |  |  |  |
| Stock H \% 87816 | Type | Description | t |
|  | 1356 | 19 kHz Output | 2.91 |
| 34 F 87824 | 1357 | 38 kHz Input | 2.88 |
| 34 F 87832 | 1358 | Low Pass Filler | 3.00 |

## NATIONAL RF CHOKES

## VIOEO PEAKING -

 FILAMENT CHOKE COILSVideo peaking coils designed to provide proper banciwidth and wave shape for video signals. Wound on plastic forms except shunt type wound over resistor forms. "is filament choke; isolates filament to reduce feedback, stray coupling, etc. $\hbar_{2} \times 7 / 0^{\prime \prime}$ long. Peaking coils $K_{4} \times \frac{3}{} /{ }^{\prime \prime}$ long. Avg. shpg. wt., 302.

| Stock No. | Miller | uh | Shunt | Net |
| :---: | :---: | :---: | :---: | :---: |
| 34 F 88558 | 6175 | 0.8 | None | 78 |
| 34 F 88566 | 6152 | 20 | None | . 78 |
| 34 F 88574 | 6176 | 36 | None | . 78 |
| 34 F 88582 | 6172 | 73 | None | . 78 |
| 34 F 88590 | 6177 | 93 | None | . 78 |
| 34 F 88608 | 6178 | 120 | 22K | . 78 |
| 34 F 88616 | 6153 | 120 | None | 78 |
| 34 F 88624 | 6179. | 180 | 39K | . 78 |
| 34 F 88632 | 6180 | 180 | None | . 78 |
| 34 F 88640 | 6154 | 200 | None | . 78 |
| 34 F 88657 | 6173 | 250 | 22K | . 78 |
| 34 F 886e5 | 6181 | 250 | None | . 78 |
| 34 F 88673 | 6155 | 300 | None | . 78 |
| 34 F88681 | 6174 | 500 | None | . 78 |

Wound on ceramic form except R33, R50 and R60 series on bakelite. All have fungus resistant varnish coat. Type R33 is 2 section, R50 are 3 and 4 section. Types with $\dagger$ mounted on fixed stadoff insulator. Types ending in U have removable standoft, Shpg. wt., R-154U, 5 oz. All
others, 2 oz. $\ddagger=$ Millihenries $\qquad$


b.a. 0


BUSHINGS

THRU PANEL INSULATORS. Compression mounted by means of a stud. Flat mounting surfaces with cushion washer. Hardware: ${ }^{*} 10-32$, $\ddagger 6-32$. First 3 types are steatite, others porcelain. Average shpq. wt. 4 oz. Stock No. Mirs. Type Fig. Ht. Hole $1.49 \quad 50-99$
33 F 32012
33 F 32053

STAND OFF INSULATORS. Type 65, 65-2, 68 are ribbed and have drain and efched aluminum bases. Type 66 and 67 have smooth surfaces and drawn bases $t$-hardwarebanana jack and a solder lug mounted on top of the insulator similar to flg. E, but with square base. Avg. wt., 202.


33 F 32293

## antenna strain insulatjrs

Fig. A. Brown glazed porcelain. Shpg. wt., 3 oz
32 F 30083 lots of 10 ea. 08
Fig. B. Johnson $136-32.11 / 2^{\prime \prime}$ Long. Dry glazed porcelain 33 F 32459 wt., 202.

Insulated bushings ideal for use in transmitter and antenna installations. Type 50, 52 , and 55 are steatite, supplied with cushlon washers and hardware. Type 54 is porcelain less all hardware except cushion washer. Maximum diameter: Type $503 / 4^{\prime \prime}$, Type $5431 / 2^{\prime \prime}$, and Type $553 / \mathbf{a}^{\prime \prime}$ Stock No. Mirs. Type Fig. Shig. wi. Ht. Hole $1.49 \quad 50-99$


## 

Fig. N. ANTENNA STRAIM INSURATORS. Porcelain heavily giazed nickel-plated brass hardware. Type 107 and 112 are $1^{\prime \prime}$ diameter; type 104 is $5 / \mathrm{fg}^{\prime \prime}$ square with 400 lbs . breaking strength.

| Stock No. | Mfrs. Type | Size | Shpg. wi. | 1.49 | 50-99 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 32376 | 104 | $4 x^{5 / 608}$ sp. | 402. | 36 | 31 |
| 33 F 32384 | 107 | $7 \times 1$ " sa. | 902. | 1.62 | 1.40 |

Fig. O. STEATITE CONE INSULATORS. COmplete with 2 machine screws, washers, and a cork cushion washer. Avg. shpg. wt., 202.

| Stock No. | Mirs. Type | Ht . | Width | 1.49 | 50.99 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 F 32129 | 500 | $5 / 8{ }^{\circ \prime}$ | 59. | . 26 | . 23 |
| 33 F 32137 | 501 | $1^{\prime \prime}$ | $3 / 4$ " | . 35 | . 30 |
| 33 F 32145 | 502 | 11/2" | $1^{\prime \prime}$ | . 65 | . 56 |

Fig. P. FEEDER SPREADERS. Silicone impregnated, $3 / 4 \times 1 / 2^{\prime \prime}$ cross section. Avg. shpg. wi., 3 oz.

| Stoch No. | Mfrs. Type | Length | 1.49 | 50.99 |
| :--- | :---: | :---: | ---: | ---: |
| $33 F 32400$ | $136-122$ | $2^{\prime \prime}$ | .20 | .17 |
| $33 F 32418$ | $136-124$ | $4^{\prime \prime}$ | .34 | .29 |
| $33 F 32425$ | $136-126$ | $6^{\prime \prime}$ | .50 | .43 |

# Antenna Wire - Guy Wire - Speaker and Zip Cord 

SHIELDED "CONCO-FOAM"

- All Channel Color IV and FM Cable

Assures exceltent VHF. UHF, COLOR and B/W T.V. and FM reception in crowded areas where reception is critical. Mylar-aluminum shielding provides strong and clean signals, etiminating electrical noise and ghost signals. 22 gauge, solid copperweld conductors, foam insulation, mylar-aluminum foil shield, stranded tin copper down wire black polyethylene outer jacket. Spade ierminats included. 5 tbs. per 100 ft . Only in lengths listed below.
32 F $31857 \quad 50$ tt. coil 32 F $31875 \quad 75 \mathrm{ft}$. coil
32 F 31883100 ft . coil
Net 4.39
Net 5.98 Net 7.88

## 300 OHM <br> TWIN LEAD

BROWN. High quality, low-loss lead in for alf TV and FM installations. 55 mil polyethylene dielectric-22 gauge copper leads. Only in rengths listed below. Shog. wh. 1 lb. per 100 ft .
32 F $89121 \quad 100 \mathrm{ft}$. coll ...........Net N .49 32 F 89139500 ft coll ............... 6.85 32 F $891471,000 \mathrm{ft}$. coil …........Net 12.81 CLEAR. Same as above but clear for a better blend with the base boards.
32 F 89154100 ff . spool ........... Net 1.68 32 F 891701000 ft spool

## HEAVY DUTY

300 ohm brown twin lead with 80 mil thick polyethylene insulation and 20 gauge copper conductors. Shpg wt., $13 / 4 \mathrm{lbs}$. per 100 ft . 32 F $89188 \quad 100 \mathrm{ft}$ coil $\qquad$

## ROTATOR CABLES

4 CONOUCTOR FLAT. Fiextole stranded No 20 copper encased in tough plastic insulation. Shpg. wt., $2 \frac{1}{2}$ lbs per $100^{\circ}$ coil. 32 F 89105100 ft cuil

Net 3.40
4 COMOUCTOR ROUND HEAYY DUTY. Beiden 8489. All 18 gauge stranded flexible conductors, plastic insulated and jacketed. 6 lbs. 32 F 17106100 ft . coll

Ne1 8.76
5 CONOUCTOR FLAT. Same construction as 4-cond. flat, Shpg. wt., 4 lbs.
32 F 36312 per 100 ft . $\qquad$ Net 4.29
8 CONOUCTOR ROUNO. Belden 8488 , No. 22 stranded copper conductors. Vinyl insulated, vinyl jacket. In 100 ft . coils only.
$32 \mp 14863$ Shpg. wt., $33 / 4 \mathrm{lbs}$. Net 6.75
8 CONOUCTOR ROUNO HEAVY OUTY. Belden 8448. Similar to above but 2 conductors are 18 gauge. 100 ft coil.
32 F 14574 Shpg. wt. $53 / 4 \mathrm{lbs}$. $\qquad$ Net 10.26

## ANTENNA WIRE

Finest grade high tensile strength copper for all antenna requirements: Avg. shpg. wt. 1 ib . Only in lengths listed below.
32 F 3618975 ft. $7 / 22$ bare .......Net 2.59 32 F $36197100 \mathrm{ft} 7 / 22$ bare - Net 3.25 32 F $3622175 \mathrm{ft} .7 / 26$ bare 32 F 36239100 ft . 7/26 bare Net 1.39
Net 1.69 32 F 30091100 ft .12 solid enamel Net 4.85 32 F 30109100 ft . 14 solid enamel Net 3.29
COPPERWELD. COpper outside conductor bonded to steel core. For ham antennas, commercial installations, non-stretch, hard drawn high conductivity cooperweld wire.


32 F 3626275 ft .14 solid
32 F 36270100 ft . 14 solld Net 3.99

## - For UHF.VHF and Color TV

A llat 300 -ohm twin lead with the conductors totally encased in and surrounded by polyethylene foam with an outer black polyethylene jacket. Has high resistance to uftra. viotet rays, oif, fumes, molsture, satt air and abrasion, 20 -gauge stranded copper conductors. Available only in lengths listed below. Shpg. wt., $31 / 2$ lbs. per 100 ft . 32 F 36031 50.1t. Coll..... Net 2.08 32 F 36049 100-ft. Coll …...........Net 3.79 32 F $36015 \quad 500 \cdot \mathrm{ft}$. Coil Net 16.95 32 F $36023 \mathrm{w} 1000 \cdot \mathrm{ft}$. Coll

Net 33.50

## IIATIE OHENHE

300 HHM . Attenuation averages only 1.9 db over entire UHF band. No. 18 copperweld wire-pure polyethylene separators spaced at $6^{\prime \prime}$. Spaced only $1 / 2^{\prime \prime}$ between conductors. Shpg wt., $13 / 4$ lbs. per $100^{\circ}$. Available only in lengths listed below.
32 F 36106100 ft coil 32 F 36114250 ft . coil

Net 3.87 Net 9.27 32 F 36122500 ft spool Net 17.95 450 OHM. Similar to above. 1" spacing between conductors
$\begin{array}{ll}32 \text { F } 36130100 \mathrm{ft} \text { coil } & \text { Net } 3.79 \\ 32 \mathrm{~F} 36148250 \mathrm{tt} \text { spool } & \text { Net } 9.16 \\ 32 \text { F } 36155500 \mathrm{ft} \text {. spool } & \text { Net } 17.75\end{array}$
FIBERGLASS GUY LINE

- Revolutionizes Ham and TV Antenna Systems Non-Metallic Guy Line



A non-inductive, non-conducting, non-absorbing euy line for minimum loss. Provides 1000 pounds tensile strength. Efiminates unwanted radiation losses. Completely isolates the antenna system. Will not rot, shrink, stretch, or sag. Only in lengths listed below. Shpg. wt, 31/2 Ibs. Per $100^{\circ}$ spool
32 F 45016100 ft .
Net 6.17
32 F 45024600 ft .
Net 32.25

## STEEL GUY WIRE

Six strands of No. 20 high tensile strenth
 galvanized steel wire.
33 F 3101450 ft . roll. Wt., 1 lb.
33 F 31022100 ft . roll. Wt., 2 ibs.
33 \& 31030500 ft . rolt. Wt., 10 lbs.


## VINYL COVERED GUY WIRE

6 strands of No. 20 -gauge high tensile strength galvanized wire. Weatherproof. non-stretch, long lasting. Ideal for TV guy wire, clothesline, and numerous garden uses. Translucent aqua green color.
32 F 3649490 ft roll, m . 1 iv lbs
1.05 32 F 36502100 ft , roll, WL. $21 / 2 \mathrm{lbs}$
1.98 32 F 36510250 ft . roll, wt., $62 / 2 \mathrm{lbs}$

## ALUMINUM GUY WIRE

$7-18$ gauge stranded wires. Breaking strength 500 lbs. Shpg. wt., 2 lbs. 34 F 46275100 ft . roll

Net 2.65

## ALUMINUM GROUND WIRE

No. 8 gauge solid conductor.
33 F $31048 \quad 50 \mathrm{ft}$. coil, Wt., 1 1/8 lbs. 33 F 31055100 ft . coil. WL. $21 / 4$ lbs. 33 F 31063500 ft , coll. Wt., 13 lbs.
.85
1.69

## LIFELINE COPPERWELD

 TWIN LEAD- Guaranteed for Life of Your Antenna

Guarantee: If thls deluxe 300 ohm line fails to last the life of your antenna we will replace it at no charge. 20 Gauge Copper. weld (copper clad steet) conductors with finest brown polyethylene insulation, Chem ically protected against deterioration. Spe. cial "waste free" dispenser oackage. Shpg. wt, $2^{1 / 4}$ lbs. Per 100 ft .
32 F 36163100 ft . packare .... Net 2.48 32 F $36460 \quad 1000 \mathrm{H}$.

Net 23.30

## ZIP-CORD MINIATURE <br> PARALLEL CABLE

Multi purpose miniature 21 p cord. 2 conductor, 24 gauge stranded. Extremely flexible for $\mathrm{Mi}-\mathrm{Fi}$ installations, auto speakers, low voltage control, etc. Avaliable in white, brown, gray, clear.
Average shpg. wt., i lb. per 100 ft .

| 32 「 89238 | 25 ft . white |  |  |
| :---: | :---: | :---: | :---: |
| 32 F 89246 | 25 It, brown | Net |  |
| 32 F 89253 | 25 ft. gray | Net |  |
| 32 F 89261 | 25 ft. clear | Net |  |
| 32 F 89279 | 50 ft. white | Net |  |
| 32 F 89287 | $50 \mathrm{ft}$. brown | Net |  |
| 32 F 89295 | 50 ft gray | Net |  |
| 32 F 89303 | 50 ft . clear | Net |  |
| 32 F 89311 | 100 tt. white |  |  |
| 32 F 89329 | 100 ft brown |  |  |
| 32 F 89337 | $100 \mathrm{ft}$. gray |  |  |
| 32 F 89345 | 100 ft . clear | $\mathrm{Ne}$ | 1.25 |

## SPEAKER-LAMP CORD

U.L. Iisted 2 conductor zincord for lamps, speaker leads, etc. All No. 18 Gauge except * is 16 Gauge. Shipg, wt., 4 lbs. per 100 ft Only in lengths shown befow.

PLASTIC INSULATION POT

| 32 F 31743 Black 25" | Net 1.40 |
| :--- | :--- | :--- |
| 32 F 31768 Brown $25^{\circ}$ | Net 1.40 |
| 32 F 31776 Brown $25^{\circ}$ | Net 2.50 |
| 32 F 31800 Black $100^{\circ}$ | Net 3.65 |
| 32 F 30026 Brown $100^{\circ}$ | Net 3.66 |
| $32 \mathrm{~F} 31826^{\circ}$ Brown $100^{\circ}$ | Net 6.75 |
| 32 F 31834 Gray $100^{\circ}$ | Net 3.66 |
| 32 F 31842 White $100^{\circ}$ | Net 3.66 |
| 32 F 30497 Brown $250^{\circ}$ | Net 8.95 |

## INDIVIDUALLY SHIELDED ZIP CORD

Two conductors No. $24(7 \times 32)$ individually shielded in spiral wrap. Gray plastic jacket over each conductor. Ideally suited for audio, hi-fi, stereo and laboratory use. Shpg. wt., 1 lb. per $25^{\circ}$.
32 F $31693{ }^{25}$, spool
Net 2.00
32 F $3170150^{\circ}$ spool $\qquad$ Net 3.33

## INTERCOM WIRE

2-conductor Twisted: Flexible, tinned copper with plastic insulation over each conductor. Shpg. wt., $1 / 2 \mathrm{lb}$. per 100 ft . Available only in lengths listed below. 32 F 30521100 ft coil Net 1.49 32 F 30539250 ft spool _nen Net 3.39 3 conductor twisted. Same construction as above. Shpg, wt. 1 lb . per 100 ft .
32 F 30547100 ft coll.
Net 2.09 32 F 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 F 30562100 ft . coll $\qquad$ Net 3.65

Depend on Lafayette For Complete Stocks, Lowest Prices, Fastest Service

# Coaxial and Special-Purpose Cable 

Excellent for RF, amateur and citizens band applications. All branded with standard type numbers and meet requirements of RG cables on with standard type nimbers and Gernment O.D.: RG.3/8U, RG-11/U,
qualified product list of U.S. Governmer
RG-11AU .405"; RG-58/U, RG-58A/U 195"; RG-59/U .242. MMF/FT.:

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 ilsted below. Average shpg. wt., per 100 ft ., 12 lbs

| RG Type | Imp. Ohms | 50 Ft . Length |  | 100 Ft . Length |  | 250 Ft. Lengths |  | Stock No. Lengths ${ }_{\text {Net }}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RG-8, U | 52 | 32 F 17080 | 8.70 | 32 F 30315 | 16.30 | 32 F 17098 | 34.80 | 32 F 30323 WX | 64.80 |
| RG-11, U | 75 |  |  | 32 F 30349 | 14.10 | 32 F 17114 | 33.00 | 32 F 30356 WX | 55.65 |
| RG-58/U | 53.5 | 32 F 17122 | 3.21 | 32 F 30364 | 5.64 | 32 F 17130 | 12.15 | 32 F 30372 WX | 20.70 |
| RG-58A/U | 50 | 32 F 17148 | 4.10 | 32 F 30224 | 7.20 |  | - -15 | 32 F 30232 WX | 27.30 |
| RG-59/U | 73 | 32 F 17155 | 3.90 | 32 F 30398 | 6.90 | 32 F 17163 | 15.45 | 32 F 30406WK | 23.90 |

## LOW LOSS POLYFOAM COAX

These polyfoam coaxlal cables have basically similar constructional and physical specificatlons 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 cabies are ideal for amateur radio and CB. Available only in lengths listed.

RG-11/U 75 ohm coax feeder with non-peaking attenuation characteristics. Ideal for distribution lead.in. Shpg. wt, $10 \mathrm{~V} / 4 \mathrm{lbs}$. 32 F 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., $31 / 4 \mathrm{lbs}$.

32 F 31248100 ft coll

## RUBBER JACKETED SERVICE CORDS

U.L. Ilsted, rubber sheathed service cord. Each stranded copper conductor 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. Available only in lengths shown below. Average wt., per $100 \mathrm{ft}, 6 \mathrm{lbs}$.

| $\begin{aligned} & \text { U.L. } \\ & \text { Type } \end{aligned}$ | Size | No. Cond | O.D. | $\begin{array}{r} 25 \\ \text { Amps } \end{array}$ | Spool Stock No. | Nel | 50 FL. Stock NO . | Net | $100 \mathrm{Ft} . \mathrm{S}$ Stock No. | ${ }_{\text {Net }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sv | 18 | 2 | 250' | 5 | 32 F 30992 | 1.58 | 32 F 31008 | 2.95 | 32 F 31016 | 5.67 |
| SJ | 18 | 2 | . 340 " | 7 | 32 F 31024 | 2.52 | 32 F 31032 | 4.57 | 32 F 31040 | 8.43 |
| SJ | 18 | 3 | .345" | 5 | 32 F 31057 | 2.92 | 32 F 31065 | 5.12 | 32 F 31073 | 9.84 |
| 51 | 16 | 3 | . $375^{\prime \prime}$ | 7 | 32 F 31081 | 3.69 | 32 F 31099 | 7.09 | 32 F 31107 | 13.55 |

## STEREO PHONO mane PICKUP WIRE

Extremely flexible, IIghtwelght 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 ., $3 / 4 \mathrm{lb.i} 25 \mathrm{ft}$., 7 oz

UNSHIELDED WIRE

|  | 10 Ft. Spool |  |
| :---: | :---: | :---: |
|  | Cond. | Stk. No. |
| 2 | 32 F | Net |
| 3 | 32 F 31263 | .60 |
| 4 | 32 F 31305 | .69 |


| 25 Ft. Spool |  |
| :---: | :---: |
| sth. No. | Net |
| 32 F 31271 | .78 |
| 32 F 31297 | 1.55 |
| 32 F 31313 | 1.88 |

## SHIELDED WIRE

|  | "Individually | shielded conductors |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 2 | 32 F 31321 | .86 | 32 F 31339 | 1.55 |
| 3 | 32 F 31347 | 1.04 | 32 F 31354 | 1.72 |
| 4 | 32 F 31362 | 1.38 | 32 F 31370 | 2.24 |
| 2. | 32 F 31388 | 1.04 | 32 F 31396 | 2.07 |

## BELL WIRE

No. 18 solid. 2 conductor twisted pair. Plas tic insulated. Shpg. wt., $13 / 4 \mathrm{lb}$. per $100^{\circ}$ 32 F 36288100 ft . coll …........ 2.70 32 F 36296500 ft . coi

## BELDEN COPPER BRAID

Flexible tinned copper braiding. Size is oval 1.D. except * is flat wldth. Shpg. wt., per 50 ft ., Is 2 lbs .

| Size | 10 Ft . Spoon |  | 50 Ft . Special |  |
| :---: | :---: | :---: | :---: | :---: |
| $10^{\prime \prime}$ | Stock Mo | Net | Stock No. | Met |
| 5/32 | 32 F 14301 | . 96 | 32 F 14368 | 2.88 |
| 3/16 | 32 F 14319 | 1.34 | 32 F 14376 | 3.96 |
| 5/16 | 32 F 14327 | 1.44 | 32 F 14384 | 4.89 |
| 1/2 | 32 F 14335 | 1.32 | 32 F 14392 | . 56 |
| 5/8 | 32 F 14343 | 2.31 | 32 F 14400 | 9.84 |
| 19/32* | 32 F 14350 | 3.15 | 32 F 14418 |  |

## THERMOPLASTIC HOOK.UP WIRE

Convenient spools of piastic insulated wire. Shpe. wt., $25-502$.; $100^{\circ}-3 / 4 \mathrm{lb}$.
Stock No. Description Net

32 F $31891=20$ Solid- 25 ft . Red Net 32 F $31909=20$ solid- 25 ft. Red .49 32 F $31917 \pm 20$ Solid- 25 ft . Blue .49 32 F 31925 \# 20 Solid- 25 ft . Green .49 32 F $31933: 20$ Solid- 100 ft . Red .... 1.19 32 F $31941 \mathbf{z 2 0}$ Solid-100 ft. Black .. 1.19 32 F $31958 \pm 20$ Solid- 100 ft . Blue $\quad 1.19$ 32 F 31966 \# 20 Solid- 100 ft . Green - 1.19
32 F 89402 \# 20 Stranded- 20 ft . Red
32 F 89410 = 20 Stranded- 25 ft . Black 32 F 89428 \# 20 Stranded - 25 ft . Blue $\left.\begin{array}{l}32 \text { F } 89428 \# 20 \text { Stranded- } 25 \mathrm{ft} \text {. Blue } \\ 32 \text { F } 89436 \\ \# 20\end{array}\right) .58$
.58

32 F 89444 \# 20 Stranded- 100 ft. Red 1.32 32 F 89451 \#20 Stranded- 100 tt. Black 1.32 32 F $89469 \# 20$ Stranded--100 ft. Blue 1.32 32 F $89477 \mathbf{\$ 2 0}$ Stranded- 100 ft . Green 1.32
32 F 89485 \# 22 Stranded-25 f1. Red
32 F $89493 \pm 22$ Stranded- 25 f1. Black
32 F 89519 \# 22 Stranded- 25 ft . Blue 32 F 89527 \# 22 Stranded- 25 ff. Green
.49
.49

32 F 89535 \# 22 Stranded- 100 ft . Red 1.19 32 F 89543 z 22 Stranded- 100 tt. Black 1.19 32 F 89550 \#22 Stranded-100 ft. Blue 1.19 32 F 89568 \#2 22 Stranded-100 ft. Green 1.19


## SET OF 2

 STEREO CABLESSet of 2-15 ft. speaker cables, each with spade lugs on all ends. Clear plastic covered polarized conductors. 24 gauge copper conductors. Shpg. wt., 1 ib.
32 F 36486 Per Set

## BARE NICKEL CHROMIUM WIRE

For electrical heating appliances and devices whose operating temperatures do not exceed $1850^{\circ} \mathrm{F}$. Ideal for compact resistance required of heavy duty rheostats and controls. $1 / 4 \mathrm{lb}$. spools. Shpg. wt., 6 oz.

| Sth. No. | Sla | Ne | Stik. No. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 31404 | 14 | 2.94 | 32 F 31479 | 28 |  |
| 32 F 31412 | 16 | 3.02 | 32 F 31487 | 30 | 4.62 |
| 32 F 31420 | 18 | 3.11 | 32 F 31495 | 32 | 4. |
| 32 F 31438 | 20 | 3.20 | 32 F 31503 | 34 | 5. |
| 32 F 31446 | 22 | 3.38 | 32 F 31511 | 36 | 54 |
| 32 F 31453 | 24 | 3.68 | 32 F 31529 | 38 | 8.3 |
| 32 | 26 | 4.01 | 32 F 31537 |  |  |

## 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 $1 / 2$ LB. SPOOLS

| E\& S |  | B \& 5 |  |  | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Net | Slae | Stock No. |  |
| 14 | 32 F 31586 | 1.32 | 28 | 32 F 30711 | 1.86 |
| 16 | 32 F 30596 | 1.37 | 30 | 32 F 30737 | 1.93 |
| 18 | 32 F 30612 | 1.50 | 32 | 32 F 30752 | 2.00 |
| 20 | 32 F 30638 | 1.55 | 34 | 32 F 30778 | 2.20 |
| 22 | 32 F 30653 | 1.60 | 36 | 32F30794 | 2.55 |
| 24 | 32 F 30679 | 1.67 | 38 | 32 F 30810 | 2.99 |
| 26 | 32 F 30595 | 1.76 | 40 | 32 F 31602 | 3.51 |

## HEAYY FORMVAR IN 1 LB. SPOOLS

| Steck No. | Bes Slze | Feet | Net |
| :---: | :---: | :---: | :---: |
| 32 F 30828 | 14 | 78 | 2.20 |
| 32 F 30836 | 16 | 124 | 2.23 |
| 32 F 30844 | 18 | 198 | 2.32 |
| 32 F 30851 | 20 | 313 | 2.43 |
| 32 F 30869 | 22 | 501 | 2.53 |
| 32 F 30877 | 24 | 798 | 2.71 |
| 32 F 30885 | 26 | 1200 | 2.46 |
| 32 F 30893 | 28 | 1999 | 3.20 |
| 32 F 30901 | 30 | 3200 | 3.39 |
| 32 F 30919 | 32 | 4900 | 3.93 |
| 32 F 30927 | 34 | 7950 | 4.13 |
| 32 F 30935 | 36 | 12,800 | 4.78 |
| 32 F 30943 | 38 | 20,000 | 6.15 |
| 32 F 30950 | 40 | 31,700 | 9.39 |

## HOOK-UP WIRE <br> ASSORTMENTS



Various colors, pauges and insulation. KIT OF SIX $25 \cdot F 00$ COILS
Convenient kit of six $25^{\circ}$ coils.
Shpg. Wt. $3 / 4 \mathrm{lb}$.
32 F 79007
XII OF FIVE 100.F00r colls
Shpg. Wt., $11 / 2 \mathrm{lbs}$
32F79015

# 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 $4 \times 33$ copperweld tinned, cellulose yarn braid, polyethylene insulated, tinned copper braid shield, chromevinyl jacket. Type 8410 has rubber insulation and black rubber jacket. Avallable only in lengths listed below.

|  | $\mathrm{Di}_{2}$ | $100^{\circ}$ | 15 Ft . Spool |  | 25 Ft. Spool |  | 50 Ft. \$pool |  | 100 ft . ${ }^{\text {Spool }}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8411 | .144" | b. | 32 F 13071 | 1.17 | 32 F 13089 | 1.65 | 32 |  | 32 F 13105 |  |
| 8401 | .200" | $31 / 2$ | 32 F 13113 | 1.44 | 32 F 1312 | 1.92 | 32 F 13139 | 3.39 | 32 F 13147 |  |
| 8410 | 245 | $41 / 2$ |  |  | 32 F | 3.60 | 32 F 13170 | 6.39 | 32 F 13188 |  |

## 2-CONDUCTOR LOW-IMPEDANCE MINIATURE AND STD. MIKE CABLES

All cables shielded. Miniature types 8420 and 8413 both No. 24 stranded tinned. 8420 has polyethylene insulation and chrome vinyl jacket, 8413 rubber insulation and black rubber jacket. Stranded types: 8422 is 22 stranded linned, poly insulation and chrome vinyl jacket; 8412 No. 20 stranded linned, rubber insulation and black rubber jacket; 8402 same as 8412 but brown hypalon jacket; 8428 is heavy duty No. 18 stranded tinned, black Neoprene jacket for studio use. Available only in length listed below.

|  | Diam. | $100^{\circ}$ | 15 Fl. Spool Stock No. Net |  | 25 ft. Spool Stock Ne. Het |  | 50 Ft. Spool Stock No. Net |  | 100 Ft. Spool Stock No. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8420 | .185" | $23 / 416$. | - | 2.04 | 32 F 13204 | 3.06 | 32 F 13212 | 4.65 | 32 F 13220 | 8.85 |
| 8413 | .190" | $23 / 4 \mathrm{lb}$. | 32 F 13238 | 2.46 | 32 F 13246 | 3.69 | 32 F 13253 | 6.90 | 32 F 13261 | 12.75 |
| 8422 | 231" | $41 / 4 \mathrm{lb}$. | 32 F 13279 | 1.80 | 32 F 13287 | 2.76 | 32 F 13295 | 5.10 | 32 F 13303 | 8.95 |
| 8412 | .268*" | $61 / 2 \mathrm{lb}$. |  |  | 32 F 13329 | 3.87 | 32 F 13337 | 7.05 | 32 F 13345 | 13.35 |
| 8402 | .268" | $63 / \mathrm{lb}$. |  |  |  |  |  |  | 32 F 15399 | 14.40 |
| 84 | . 295 | $73 / 4 \mathrm{lb}$. |  |  |  |  |  |  | 32 F 13 |  |



## SHIELDED CABLES FOR PA AND INTERCOM

## 2 CDNDUCTOR-TWISTED PaIr-SHIELDED CAbles

All have stranded tinned copper conductors except No. 8739 is solid. Each conductor has vinyl insulation except * has polyethelene. Shielding: types marked * have aluminumpolyester shield with slranded tinned ground wire; types marked have tinned copper braided shield; types marked $\triangle$ have tinned copper spiral wrapped shield. All have overall chrome vinyi jacket except "have no outer jacket over shield.

| Beld. No. | Gauge | 0.D." | ibs. 100 Ft . | $\begin{aligned} & 100 \mathrm{Ft} . \text { S } \\ & \text { stock No. } \end{aligned}$ | Spool Net | $\begin{array}{r} 250 \mathrm{Ft} . \\ \text { stock } \mathrm{No} . \end{array}$ | poof Net | $\begin{aligned} & 500 \text { Ft. S } \\ & \text { stock No. } \end{aligned}$ | ol Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $8739 \triangle$ | 22 | . 160 | 21/2 | 32 F 13519 | 4.56 |  |  | 32 F 15407 | 19.35 |
| $8737 \triangle$ | 22 | . 170 | $23 / 4$ | 32 F 13527 | 4.80 | 32 F 15415 | 10.65 | 32 F 15423 | 21.25 |
| $8759 \triangle$ | 20 | . 195 | 3 | 32 F 13535 | 6.00 |  | 10.6 | 32 F 15431 | 25.00 |
| $8790 \triangle$ | 18 | 231 | 41/4 | 32 F 13543 | 7.65 | 32 F 15449 | 16.50 | 32 F 15456 | 33.00 |
| $8780 \triangle$ | 16 | . 266 | 53/4 | 32 F 13550 | 9.60 |  |  | 32 F 15464 | 42.75 |
| 8761. | 22 | 167 | 2 |  | - |  |  | 32 F 15472 | 17.55 |
| 8762** | 20 | .196 | 3 | 32 F 13576 | 5.33 | 32 F 15480 | 11.05 | 32 F 15498 | 22.10 |
| $8760{ }^{\circ}$ | 18 | . 222 | 3 |  |  | 32 F 15506 | 13.30 | 32 F 15514 | 26.60 |
| 8758 | 20 | . 165 | 174 | 32 F 13600 | 5.85 |  |  | 32 F 15522 | 23.80 |
| 8789\% | 18 | . 204 | $31 / 4$ |  |  |  | - | 32 F 15530 | 34.65 |
| 8779\% | 16 | . 225 | 4 |  | - |  | - | 32 F 15548 | 44.65 |

## VINYL COVERED MULTIPLE UNPAIRED CABLE

All conductors unshielded stranced tinned copper except *include two
No. 18 conductors. Each conductor vinyl insulated cabled. Chrome viny!
 jackel overall. Available only in sizes listed below.

| Belden No. C |  |  |  | 15 Ft Spool |  | 25 FL. Spool |  | 100 Ft . Spoal |  |  | 25 Ft. Spooi Stk. No. Net |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8443 | 3 | . 150 | 21/4 |  | - | 32 F 14244 | 1.40 |  | F 14525 | 3.66 | 902 | 7.31 |
| 8444 | 4 | . 168 | 21/2 |  | - | 32 F 14251 | 1.59 |  | F 14533 | 4.83 | 32 F 15910 | 9.98 |
| 8445 | 5 | . 180 | 3 |  |  | 32 F 14269 | 1.83 |  | F. 14541 | 5.58 | 32 F 15928 | 11.90 |
| $8446^{\prime \prime}$ | 6 | . 222 | 5 | 32 F 14277 | 1.83 |  |  | 32 F | F 14558 | 8.30 | 32 F 15936 | 18.30 |
| $8447 *$ | 7 | . 246 | 5 |  |  |  | - |  | F 14566 | 9.60 | 32 F 15944 | 21.20 |
| 8448** | 8 | . 250 | 61/4 | 32 F 14285 | 2.07 |  | - |  | F 14574 | 10.26 | 32 F 15951 | 23.25 |
| 8449* | 9 | . 261 | $61 / 2$ | 32 F 14293 | 2.25 |  | - |  | F 14582 | 10.95 | 32 F 15969 | 25.10 |
| 8456 | 10 | . 260 | 61/2 |  |  |  | - |  | F 14988 | 10.80 |  |  |
| 8457 | 12 | . 260 | 61/4 |  | - |  | - |  | F 14970 | 12.15 |  |  |
| 8458 | 15 | . 320 | 81/2 |  | - |  | - |  | F 14947 | 20.55 |  |  |
| 8459 | 25 | . 370 | $11^{1 / 4}$ |  |  |  | - |  | F 14954 | 31.50 |  |  |

## SHIELDED SOUND-PA-INTERCOM CABLE



BELDEN 8208. 2 conductor No. 18 tinned stranded copper, twisted palr, rubber insulated, bralded tinned copper shield, chrome vinyl jacket overall O.D. .255". Shog. wt., 100', 4 lbs. BELOEN 8735. 3 conductor No. 22 tinned stranded copper vinyl insulated, cabled, tinned copper braid shield chrome vinyl jacket overall. 0.0. 199\%. Shpg. wt., 100, 3 lbs.

| Belden No: | 15 Ft Spool |  | 50 Ft Spool |  | 100 Ft . Spool |  | 500 Ft. Spool | pool Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8208 |  | - |  | - | 32 F 13808 | 9.90 | 32 F 15621 | 43.90 |
| 8735 | 32 F 13865 | 1.47 | 32 F 13873 | 3.90 | 32 F 13881 | 6.75 | 32 F 15639 | 28.90 |

3-CONDUCTOR CABLES FOR PA AND INTERCOM

Alt have 3 conductors. Type 8771 has cabled No. 22 slranded tinned copper conductors with polyethelene insulation, alumi num.polyester shield, stranded tinned copper No. 22 ground drain wire and overall chrome vinyl jacket. 0.D. is $.175^{\prime \prime}$. Type 8791 is same but with 18 gauge conductors, vinyl insulation, tinned copper wrapped shield ans no ground wire. O.D. is .236"

| Stock No. | Beld <br> No. | Gauge | Feet. |  |  | Lbs. |
| ---: | :---: | :---: | :---: | :---: | :---: | ---: | Net | 32 | F | 15688 | 8791 | 18 | 100 |
| :--- | :--- | :--- | :--- | ---: | ---: |
| 32 F | 15696 | 8791 | 18 | 500 | $243 / 4$ |

## UNSHIELDED CABLES

All are 3 -conductor solld 19 copper, viny insulated and cabled. 8487 has chrome vinyl outer jacket. 8483 has no jacket. Shpg. wt. 21/2 lbs. per 100 ft

| Stock No. | Beld. | O.D. | Feel | Net |
| :--- | :--- | :--- | :--- | ---: |
| 32 F 15704 | 8487 | .180 | 500 | 19.50 |
| 32 F 15712 | 8483 | .132 | 100 | 3.90 |
| 32 F 15720 | 8483 | .132 | 500 | 15.75 |

## $\xrightarrow[+20]{2-3}$ <br> SPECIAL INTERCOM <br> AND P.A. CABLES

BELDEN 8734. 3 conductor No. 22 stranded tinned copper with vinyl insulation. I con ductor with tinned copper braid shleld, 2 un shielded, cabled with overall chrome viny jacket. O.D. $194^{\prime \prime}$. Shpg. wt., per $100^{\circ}, 3$ lbs 32 F 13972100 ft . spool ........Net 6.15 32 F 15738500 ft. spool … Net 25.75 BELDEN 8732. 4 conductors No. 22 stranded tinned copper with polyethylene insulation. 2 conductors with tinned copper braid shield. 2 unshielded. Chrome vinyi jacket overall. Oval shape O.D. $188^{\prime \prime \prime} \times .296^{\prime \prime}$. Shpg. wt., $100^{\circ} .31 / 2 \mathrm{lbs}$.
32 F 13998100 ft . spoot …....... Net 7.73
32 F 15753500 ft. spool
Net 7.73
Net 32.65

## SHIELDED PHONO PICKUP <br> CABLE

BELDEN TYPE 8431. Extremely limp and flexible. No. 24 stranded (16x36) tinned copper. rubber covered, tinned copper braid shield. brown cotton braid jacket. Only in lengths listed below. Shpg. wt., 100 ft ., 1 lb .
32 F $14020 \quad 15 \mathrm{ft}$. coll Net each 1.26 32 F 1403825 ft. coll .........Net each 1.65 32 F 14046100 ft . coil …...... Net each 5.25

## BELDEN PHONO PICKUP CABLE

BELOEN 8430. Flexible, \#32 stranded twisted pair. Coded red and black. Small dlameter. Shpg. wt., 407.
32 F 1405325 ft .

## BELDEN CATHODE RAY TUBE CABLE

BELOEN 8866 CRT cables with No. 18 stranded tinned copper polyethylene Insulation. Reduces corona. Long Ilfe construcIion. Vinyl jacket. O.D. 208. Working volt. age, 40 KV . Only in lengths listed below. Shipg. Wt. 3 lbs. 100 ft
32 F $17064 \quad 25 \mathrm{ft}$. spool
Net 2.31
32 F 17072100 ft . spool
Net 6.53

## BELDEN 8817 LITZ WIRE

Copper Celenamel insulated nylon wrap. $5 \times 44$ stranded O.D. .008". For rewindling RF coils, antenna primaries, efc. $100^{\circ}$ spool. Shpg. wt. 3 oz .
32 f $14855 \quad 100 \mathrm{ft}$. spool

# Belden TV, Intercom and P. A. Wire 

## COILED MICROPHONE AND TELEPHONE CORDS

Belden 8228. Low loss $100 \%$ shielded, 75 ohm, $100 \%$ sweep tested coaxial cable for 82 channel VHF/NHF color or black and white TV reception. No. 18 solid bare copper conductor with low loss polyethylene insulation. Shlelding is polyester film with aluminum lamination on both surfaces. Has 4 No. 28 solid tinned copper-weld drain wires spirally wrapped. Overall PVC black all weather lacket is only $.242^{\prime \prime} 0 \mathrm{D}$. Only in tengths listed below.
32 F 17411
$100^{*}$ Shpg. wt., 4 bs.
Net 6.75
32 F 17403
$500^{\circ}$ shpg. wt., 16 lbs.
Net 22.40

# BELDEN 8290 SHIELDED PERMOHM 300 OHM COLOR TV LEAD-IN 



Designed for 82 channel color TV reception, 8290 Permohm combines the strong signal strength of $\mathbf{w} / \mathrm{n}$-line with the clean signal of shlelded cable. Shlelded to eliminate lanltion and other interference caused by line pick-up weatherproof. Shpg. wt., 5 lbs. per 100 ft . Avallable only in lengtits listed below.
32 F 1535750 ft . ....... Net $6.10 \mid 32$ F 15373100 ft . 32 f 1536575 ft . $\quad$ Net 8.25 32 F 15977500 ft ............Net 49.10


Type 8225, Fig. A. for TV and FM antennas. Low loss polyethylene insulation. Stranded No, 20 ( $7 \times 28$ ). Shpg, wt., 100 ft .2 lbs.
32 F $14061 \quad(50 \mathrm{ft}) \quad 1.34 \mid. 32 \mathrm{~F} 14079 \quad(75 \mathrm{ft}$.
32 F 14087 ( 100 ft.$) \quad 2.18 \mid 32$ F 15985 ( 250 ft.$)$
Type 8235. Fig. B. Low loss 300 ohm line for UHF or VHF TV an tennas and for amateur transmitting and receiving-Twin lead rated 1KW(RF). Resists oxidation and sun; made with $100 \%$ virgln poly. ethylene web. 18 gauge $(7 \times 26)$ stranded.
32 F 14103 ( 100 ft ) Shpg. wt., $41 / 4 \mathrm{lbs}$.
Type 230. Fig. A. "Weldohm" copper coated steel wire. Polyethy. lene insulation. Almost twice as strong as plain copper. Perfect for long runs. Stranded No. 20 ( $7 \times 28$ ). Shpg. wt., 100 ft .2 lbs.
32 F $14129 \quad(50 \mathrm{ft}) \quad . \quad 1.43 \mid 32$ F 14137 (75 ft.)
1.89 32 F 14145 ( 100 ft .) $\quad 2.37$ 32 F 15993 (250 ft.) …....... 5.85
Type 82a5. Fig. C. Encapsulated in low loss cellular polyethylene. Dellvers a strong signal on all channels VHF or UHF. A must for color TV. 2 Conductor 22 ( $7 \times 30$ ) stranded copper weld conductors. Shpg. wt., 4 lbs. per 100 ft .
32 F 14160 ( 50 ft.$) \quad 3.08 \left\lvert\, \begin{array}{lllll} & 32 & \mathrm{~F} 14178 \quad(75 \mathrm{ft}) & 4.08\end{array}\right.$ 32 F 14186 ( 100 ft ) $\quad 5 . \quad 35$.............. 12.45
Type 275. Fig. D. UHF-VHF leas, ideal for color and black and white TV. $7 \times 28$ copper weld conductors, polyethylene jacket with inert gas filled unicellular polyethylene core. Shpg. wt., 4 lbs. per 100 ft .
32 F 15043 ( 50 ft.$) \quad . . . \quad 2.85 \mid 32$ F 15050 ( 75 ft.$) \quad 3.93$
32 F 15068 ( 100 ft.$) \quad 4.86|\mid 32$ F 17023 ( 250 ft.$) \quad 11.55$

## UNSHIELDED 2 CONDUCTOR TWISTED <br> PAIR SPEAKER AND <br> INTERCOM CABLE

BELDEN 8205. 2 conductor No. 20 stranded tinned copper, vinyl insulated, cabled with overall chrome vinyl jacket. 0.D. .190" Shpg. wt., $100^{\circ}, 2$ lbs. Lengths available only in sizes listed below.
32 F 14202100 ft . spool
32 F 17056500 ft . spool

## 2-CONDUCTOR-TWISTED PAIR-UNSHIELDED



## CONSOLIDATED 3-WAY <br> ANTENNA SYSTEM <br> - Makes Any Of 3 <br> Marconi And Doublet Systems $0 \rightarrow$ ? <br> Uniquely designed set of parts for construction of any of 3 types of short and long wave antennas. All parts supplled for elther a doublet, double doublet, or inverted $L$ antenna system. Contains 100 ft . bare aerial wire, 50 ft . twisted insulated transmission tine, 4 insulators, 2 screw eyes, doublet lightning arrestor, window lead. In strip, ground clamp and complete instructions. Shpg. wi., $31 / 4 \mathrm{lbs}$, 32 F 31859

All have tinned stranded copper conductors except * are solid copper. Types with thave chrome vinyl jacket overall, others without jacket. Afl: conductors have viriyl insulation. Available only in lengths listed below.

| Beld. No. | Gauge | 0.0." | $\begin{aligned} & \text { Lbs. } \\ & 100 \mathrm{Ft} \text {. } \end{aligned}$ | $\begin{aligned} & 100 \mathrm{Ft} . \\ & \text { Stock NO. } \end{aligned}$ | 001 Net | $500 \mathrm{Ft} . \mathrm{Sp}$ Stock No. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8481 | 22* | . 112 | 1 | 32 F 13717 | 2.25 | 32 F 15555 | 7.35 |
| 8482 | 19* | 130 | 11/2 | 32 F 13030 | 2.94 | 32 F 15563 | 10.95 |
| 8460 | 18 | . 175 | 2 | 32 F 13725 | 4.29 | 32 F 15571 | 16.90 |
| 8470 | 16 | . 195 | 21/2 |  | - | 32 F 15589 | 21.55 |
| $8740 \dagger$ | 22* | . 150 | 2 | 32 F 13741 | 2.62 | 32 F 15597 | 10.05 |
| $8461 \dagger$ | 18 | . 226 | 3 | 32 F 13766 | 5.07 | 32 F 15605 | 20.85 |
| $8471 \dagger$ | 16 | . 256 | 4 |  |  | 32 F 15613 | 28.35 |

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 lbs. 32 F 30984

## PREMICR Metal Products

## TABLE TYPE RELAY RACKS

Rigidily constructed of $\$ 16$ gauge steel finished in bluegray. Base constructed of one piece, similar to a chassis. Panel mounted holes are tapped for $\mathbf{1 0 . 3 2}$ machine screws. Shlpped knocked down.

| stock No. | Wrr. Type | $\mathrm{HxWx} \times{ }^{\text {c }}$ | Space | Libs. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 12F859230x | TR-2119 | 25 |  |  | 12.50 |
| 12 F 85972wx | TR-2 | 32x | 28x | 20 | 15.00 |

## TELEPHONE TYPE RELAY RACKS

Open type racks constructed of \#12 gauge steel finished in blue-gray. Vertical members and toD crossbrace are included together. Panel mounting holes are tapped for $10-32$ machine screws. Racks shipped knocked down with afl necessary bofts for easy assembly. Base punched to accommodate type CA-4 casters.

| Stock No. | Mfr. Type | HxWx0" | Panel Space | Lls. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 12 F 85899 W | RR-800 | $391 / 4 \times 20 \times 18 \% /{ }^{\prime \prime}$ | $367 / 4 \times 19^{-1}$ | 40 | 23.30 |
| 12 F 85907WX | RR.801 | 741/4 $\times 20 \times 20 \% / 8$ | 7174×19" | 501/2 | 33.65 |
| 12 F 85915 WX | RR-802 | 791/2x20×20\%/ | $77 \times 19^{\prime \prime}$ | 60 | 38.99 |

## 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, $1 / \mathrm{m}^{\prime \prime}$ thick.

| $\begin{aligned} & \text { "MAP" } \\ & \text { ck No. } \end{aligned}$ | Masked Nluminum |  |  | "ARP" Gray Hammertone |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Type | Each | Hgt. | Lbs. | Stock No. | Type | Each |
| 12 F 85477 | 319 | 2.08 | 31/2" | 11/4 | 12 F 868 | 19 | 25 |
| 12 F 85485 | 519 | 2.87 | 51/4 | 13/4 | 12 F 86848 | 519 | 3.00 |
| 12 F 85493 | 719 | 3.42 | 7 | 2 | 12 F 86855 | 719 | 3 |
| 12 F 85501 | 819 | 4.13 | $83 / 4{ }^{\prime \prime}$ | 2122 | 12 F 86863 | 19 | 0 |
| 12 F 85519 | 1019 | 5.17 | $101 / 2^{\prime \prime}$ | 23/4 | 12 F 86871 | 1019 | 5.42 |
| 12 F 85527 | 1219 | 5.88 | 121/4 | 314 | 12 F 86889 | 1219 | 6.25 |
| 12 F 85535 | 1419 | 6.77 | $14^{\prime \prime}$ | 31/4 | 12 F 868 | 1419 | 6.25 |


|  | \% | FOUNDATIONS <br> Consists of regular chassis with ruggediy constructed metal covers. Top cover has perforations, rounded comers; $6^{\prime \prime}$ high: 1-pc chassis with corners spotwelded; Gray Hammertone Finish. |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | Type | Chassis DXWXH | Lbs. | 1-24 |
| 12 F 85303 | AF-5:0 | $5 \times 10 \times 3$ | $47 / 4$ | 8.85 |
| 12 F 85311 | AF-615 | 6x14x3 | 10 | 9.83 |
| 12 F 85329 | AF. 1017 | 10x17x3 | 107/4 | 12.37 |
| 12 F 85337 | AF-1317 | $13 \times 17 \times 3$ | 121/4 | 13.92 |



## METAL UTILITY CABINETS

Have two removable sides for easy accessibility. Have flanged edges and spot-welded corners. No. 20 ga. steel, attractively finished; No. 16 ga . ( 051 ) aluminum in natural alumbnum finish. Av. shpr. wt. of steel cabinets 3 lbs.

| BLACK WRINKLE STEELStock No. |  | HxWrow | NATURAL ALUMINUM <br> Stack No. Net |  |
| :---: | :---: | :---: | :---: | :---: |
| 12 F 83399 | 1.85 | $4 \times 4 \times 2$ | 12 F 83480 | 1.78 |
| 12 F 83407 | 1.73 | $4 \times 5 \times 3$ | 12 F 83498 | 1.88 |
| 12 F 83415 | 1.95 | $5 \times 6 \times 4$ | 12 F 83506 | 2.17 |
| 12 F 83423 | 3.00 | $5 \times 9 \times 6$ | 12 F 83514 | 3.67 |
| 12 F 83431 | 2.63 | $6 \times 6 \times 6$ | 12 F 83522 | 2.87 |
| 12 F 83449 | 3.05 | $6 \times 9 \times 5$ | 12F83530 | 3.52 |
| 12 F 83456 | 2.52 | $7 \times 5 \times 4$ |  |  |
| 12 F 83464 | 5.40 | $8 \times 10 \times 10$ |  |  |
| 12 F 83472 | 4.20 | $12 \times 7 \times 6$ | 12 F 3548 | 5.02 |
|  |  | 15x9x7 | 12 F 83555 | 6.92 |



## SLOPING PANEL CABINETS

These handy cabinets have rounded top corners and a removable front panel. Back of cabinet is perforated and has opening for leads. Constructed of 20 gauge steel. Finished in gray hammertone.

| Stech Ne. | Hxwx0" | Use <br> Chassis" | Lbs. | Net |
| :--- | :---: | :---: | ---: | ---: |
| 12 F 85840 | $8 \times 8 \times 8$ | $7 \times 7 \times 2$ | $51 / 4$ | 7.00 |
| $12 F 85857$ | $8 \times 10 \times 8$ | $7 \times 9 \times 2$ | $53 / 4$ | 7.88 |
| $12 F 85865$ | $8 \times 14 \times 8$ | $7 \times 13 \times 2$ | $63 / 4$ | 8.40 |
| $12 F 85873$ | $9 \times 18 \times 8$ | $7 \times 17 \times 3$ | $83 / 4$ | 11.07 |
| $12 F 85881$ | $12 \times 18 \times 12$ | $10 \times 17 \times 3$ | 13 | 14.17 |



ALUMINUM CHASSIS
Chassis are of one piece construction with gussets spot-weided to the bottom flanges for additional strencth. Made of No. 18 gauge ( 0.40 ) aluminum excedt $\dagger$ are No. 14 gauge (.064) in natural aluminum finish. Bottom plates have holes to match chassis and have 4 pressed dimples. Avg. shpg. wf., 2 lbs.

| CHASSIS |  |  |  | BOTTOM PLATES |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | $\begin{aligned} & \text { Size } \\ & \text { Inches } \end{aligned}$ | Lhs. | Net | Stoct No. | Het |
| 12 F 81906 | $4 \times 6 \times 11 / 2$ | 1/4 | 1.62 | 12 F 82870 | 1.05 |
| 12 F 81914 | $4 \times 6 \times 2$ | $1 / 4$ | 1.73 | 12 F 82870 | 1.05 |
| 12 F 81922 | $4 \times 6 \times 3$ | 1/4 | 2.00 | 12 F 8270 | 1.05 |
| 12 F 81930 | $4 \times 8 \times 2$ | 7/8 | 1.88 | 12 F 82888 | 1,16 |
| 12 F 81948 | $4 \times 17 \times 3$ | 1 | 3.40 | 12 F 82896 | 1.21 |
| 12 F 81955 | $5 \times 7 \times 2$ | $1 / 4$ | 1.78 | 12 F 82904 | 1.05 |
| 12 F 81963 | $5 \times 7 \times 3$ | $1 / 4$ | 2.05 | 12 F 82904 | 1.05 |
| 12 F 81971 | $5 \times 10 \times 3$ | 1/4 | 2.27 | 12 F 82912 | 1.05 |
| 12 F 81989 | $5 \times 13 \times 3$ | 1/4 | 2.60 | 12 F 82920 | 1.21 |
| 12 F 81997 | $51 / 2 \times 91 / 2 \times 11 / 2$ | $1 / 2$ | 1.78 | 12 F 82938 | 1.05 |
| 12 F 82037 | 7x7x2 | $1 / 2$ | 2.05 | 12 F 82961 | 1.05 |
| 12 F 82045 | 7x9x2 | $1 / 2$ | 2.17 | 12 F 82979 | 1.05 |
| 12 F 82052 | $7 \times 11 \times 2$ | $3 / 4$ | 2.32 | 12 F 82987 | 1.21 |
| 12 F 82060 | $7 \times 11 \times 3$ | \% | 2.87 | 12 F 82987 | 1.21 |
| 12 F 82078 | $7 \times 12 \times 3$ | 7/8 | 2.87 | 12 F 82995 | 1.42 |
| 12 F 82102 | $7 \times 17 \times 3$ | $11 / 2$ | 3.95 | 12 F 83035 | 1.68 |
| 12 F 82110 | $8 \times 10 \times 21 / 2$ | 1 | 2.87 | 12 F 83043 | 1.31 |
| 12 F 82128 | $8 \times 12 \times 3$ | 1 | 3.35 | 12 F 33050 | 1.58 |
| 12 F 82177 | $10 \times 14 \times 3$ | $11 / 4$ | 4.22 | 12 F 83092 | 1.84 |
| 12 F 82193 | $10 \times 17 \times 3 \dagger$ | 17/8 | 4.70 | 12 F 83100 | 2.00 |
| 12 F 82250 | $12 \times 17 \times 34$ | 21/8 | 5.93 | 12 F 83134 | 2.52 |
| 12 F 82284 | $13 \times 17 \times 34$ | 21/4 | 6.10 | 12 F 83142 | 2.78 |
| 12 F 82300 | 17x17x4 $\dagger$ | 3 | 12.53 | 12 F 83159 | 3.14 |

## ALUMINUM MINIBOXES




## SLOPING PANEL UTILITY BOXES

Steel and aluminum sloping panel cabinets with round top corners and sloping front. Fop installations that require opening in rear of box. No. 20 gauge attractlvely finished steel. No. 18 gauge ( $\mathbf{1} 040$ ) alu-minum-natural aluminum finish. $42 / 2^{\prime \prime} \mathrm{H} \times 41 / 4{ }^{\prime \prime} \mathrm{D}$.

| \$TOCX NO. | WIDTH | TMPE | 15. | $\begin{gathered} \text { Net } \\ \mathbf{1 . 4 9} \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | 8LACK WRINKLE |  |  |  |
| 12 F 80650 | 4\%6 | \| SPC-1200 | 3/4 | 2.47 |
| 12 F 80576 | 6\% | SPC-1202 | 1 | 2.78 |
|  | ALUMINUM |  |  |  |
|  | 53. | ASPC-1201 | $1 / 2$ | 2.63 |
| 12 F 80726 | 7\%. | ASPC-1203 | * | 3.00 |

## CASTERS FOR RACKS AND CABINETS



Made of Plaskite non-marking composition wheel with Ball Bearing Swivel Plate. Packed one set of 4 in box.

| Steck No. | Lbs. | Size |  | Net |
| :---: | :---: | :--- | :--- | ---: |
| 12 F' 13373 | $21 / 4$ | $2^{\prime \prime}$ Diam. | Per Set 4.50 |  |
| 12 F 83381 | $7^{\prime}$ | $3^{\prime \prime}$ Diam. | Per Set 11.60 |  |

# Experimenter Boxes - Electrical Accessories 

## UNIVERSAL METER CASES

A meter case that can ac commodate 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. 4K $\mathrm{K} x$ 41/2x41/4". Supplied with two $1 / 2^{\prime \prime}$ dia. knochouts for feed through insulators or Volume Controls. Type SPC-23 \#20 gauge steel: Type ASPC-23 \#18 gauge (.040) Aluminum-Natural Finish. Average shpg. wt., $1 / 4 \mathrm{lb}$.

| Stock No. | Type | Net |
| :--- | :---: | :---: |
| 12 F 83167 | SPC-23 | 2.37 |
| 12 F 83175 | ASPC-23 | 2.37 |

## BAKELITE CASES AND PANELS

Ideal for building test equipment and small electronic devices. All black bakelite with rounded corners and recessed threaded inserts for mounting panels. Walls $1 / \mathbf{m}^{\prime \prime \prime}$. Panels are乵" thick. Avg. shpg. wt., 11 oz .

| Stock No. | Size | Lhs. | Net |
| :---: | :---: | :---: | :---: |
| 19 F 20016 | 61/4×31/4x2" | $1 / 2$ | . 66 |
| 19 F 37010 | Panel for above | $1 / 4$ | . 45 |
| 19 F 20024 | $63 / 4 \times 51 / 4 \times 21 / 4{ }^{\prime \prime}$ | 1 | . 89 |
| 19 F 37028 | Panel for above | $1 / 2$ | . 61 |
| 19 F 20032 | $8 \%$ ) $7 \% \times 3{ }^{\prime \prime}$ | 11/2 | 1.59 |
| 19 F 37036 | Panel for above | $1 / 2$ | 75 |

## MINI-COOL BOXES Integrated Enclosure And Heat Sink

 Heat SinkMade of aircraft alloy aluminum. Patented lock-joint corners tighten under stress. The six sides assemble easily with screw-

driver; 2 finned sides have 100 max. wall for use as heat sink: 2 plain sldes have $.040^{\prime \prime}$ wall. Strong and rigid. Avg. Shpg, wt., 1 lb.

| Stock No. | 1×W×H | Net |
| :---: | :---: | :---: |
| 19 F 22004 | $2^{\prime \prime} \times 2.5 \times 1 \times 2$ | 63 |
| 19 F 22012 | $3^{\prime \prime} \times 2.6^{\prime \prime} \times 2^{\prime \prime}$ | 1.03 |
| 19 F 22020 | $41 / 2^{\prime \prime} \times 2.6{ }^{\prime \prime} \times 2$ " | 1.33 |
| 19 F 22038 | $6^{\prime \prime} \times 2.6^{\prime \prime} \times 2^{\prime \prime}$ | 1.63 |

PLAIN TYPES
Identical to above but with all sides plain, none finned.

| 19 F 22046 | $2^{\prime \prime} \times 2.6^{\prime \prime} \times 2.6^{\prime \prime}$ | .86 |
| :--- | :--- | ---: |
| $19 F 22053$ | $3^{\prime \prime} \times 26^{\prime \prime} \times 2.6^{\prime \prime}$ | 1.05 |
| 19 F 22061 | $442^{\prime \prime} \times 2.6^{\prime \prime} \times 2.6^{\prime \prime}$ | 1.20 |
| 19 F 22079 | $6^{\prime \prime} \times 2.6^{\prime \prime} \times 2.6^{\prime \prime}$ | 1.65 |

## CUSTOM CABINETS



Designer styled Flexi-Cab brown vinyl clad steel cabinets. Front panels are brass finished. All sides link logether with marresistant plastic bindings. All kits supplied with package of 40 pressure sensitive functlon identifying labels.

| Stock No. | Size | Lbs. | Nel ea. |
| :--- | :--- | ---: | ---: |
| 19F22558 | $3 \times 4 \times 4^{\prime \prime}$ | $3 / 4$ | 3.49 |
| 19 F 22517 | $3 \times 4 \times 6^{\prime \prime}$ | 17 | 3.99 |
| 19 F 22533 | $3 \times 6 \times 9^{\prime \prime}$ | $13 / 4$ | 4.69 |

## COMPACT CABINETS

Body made of 20 gauge steel with . 068 aluminum front panel. Top four cor ners are rounded Sides are perforated
 for ventilation. Top handle is recessed. Panel fits into $\mathbf{1 / 2 "}$ recess. Two inch opening in rear for leads. Welded construction. Base has rubber feetAttractive two-tone enamel finish. With hardware for assembly. Ideal for instrumentation.
 small electronic de-
vices. Sturdy bakelite box features smooth rounded comers and recessed brass inserts for screw mounting of aluminum panel. Complete with hardware. Imported. Avg. Shpz. wt.. $1 / 2 \mathrm{lb}$.

| Stock No. | Size | Net ea. |
| :---: | :---: | :---: |
| 99 F 80772 | $31 / 4^{\prime \prime} \times 2^{1 / 801} \times 14 /{ }^{\circ}$ | . 69 |
| 99 F 80780 | $4^{\prime \prime} \times 21 / 8^{\prime \prime} \times 15 /{ }^{\prime \prime}$ | . 79 |
| 99 F 80756 | $51 / 8^{\prime \prime} \times 21 / 0^{\prime \prime} \times 15 / 8{ }^{\circ \prime}$ | . 89 |
| 99 F 62721 | 6\%" $\times 3 K_{0}{ }^{\prime \prime} \times 17 /{ }^{\prime \prime}$ | 1.09 |
| 99 F 80764 | 73/4" $\times 4 K^{\prime \prime} \times 23{ }^{\prime \prime}$ | 1.59 |

## BUILDER'S <br> PANEL KIT

Ideal set of 5 panels for the experimenter. Conslsts of 1 plain blach

bakelite panel, 3 perforated boards with holes on $\mathrm{Kop}^{2}$ centers, and 1 aluminum panel with perforated circular pattern for speaker outiet. All panels are sized and have mounting holes to fit 99-62721 case have mounting holes
above. Shpg. wt., $1 / 2 \mathrm{lb}$.

## 99 F $\mathbf{6 3 3 8 0}$

MINIATURE ALUMINUM OPEN-END CHASSIS

Ideal for small amplifiers, oscillators, and miniature assemblies. Made of 18 gauge ( .040 ) aluminum natural finish. Avg. shpg. wt. $1 / 4 \mathrm{lb}$.

| Stock No . | $\begin{gathered} \text { Size } \\ \text { OXWXH" } \end{gathered}$ | $\begin{aligned} & \mathrm{ACH} \\ & \text { Type } \end{aligned}$ | NET |
| :---: | :---: | :---: | :---: |
| 12 F 83183 | $25 / 6 \times 23 / 4 \times 11 / 4$ | 1350 | 63 |
| 12 F 83191 | $17 / 4 \times 31 / 8 \times 1$ | 1351 | . 63 |
| 12 F 83209 | $31 / 4 \times 41 / 2 \times 2$ | 1352 | . 75 |
| 12F83217 | $23 / 4 \times 41 / 8 \times 1$ | 1353 | . 75 |
| 12 F 83225 | $33 / 4 \times 44 / 8 \times 11 / 2$ | 1354 | . 75 |
| 12 F 83233 | $3 \times 61 / 8 \times 11 / 4$ | 1355 | . 87 |
| 12 F 83241 | 53/4 $\times 47 / 1 \times 14 / 2$ | 1356 | . 92 |
| 12F83258 | $4 \times 31 / 8 \times 1$ | 1357 | . 75 |
| 12 F 83266 | $4 \times 41 / 8 \times 1$ | 1358 | -87 |
| 12 F 83274 | $4 \times 51 / 8 \times 1$ | 1359 | . 87 |
| 12 F 83282 | $4 \times 61 / 8 \times 1$ | 1360 | . 92 |

## 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 two-tone finish.

| Stock No. | H,W.D. | Lbs. | Net |
| :--- | :--- | :--- | :--- |
| 12 F 85931 | $6 \times 10 \times 7^{\prime \prime}$ | 5 | 7.93 |
| 12 F 85949 | $7 \times 12 \times 8^{\prime \prime}$ | $63 / 4$ | 8.68 |
| 12 F 85956 | $3 \times 8 \times 5^{\prime \prime}$ | $41 / 2$ | 4.48 |
| 12 F 85964 | $5 \times 5 \times 5^{\prime \prime}$ | $21 / 4$ | 4.83 |

PLASTIC CASES for MINIATURE ELECTRIC GEAR


Clean, polystyrene cases. Ideal for miniature assemblies. All have ball type hinged covers. Avg. shpr. wt., $30 z$.

| Stock No. | Size $\mathbf{L x W} \times \mathrm{H}^{\prime \prime}$ | Net |
| :---: | :---: | :---: |
| 13 F 38011 | 156x ${ }^{1 / 4} \times{ }^{\text {c/ }}$ | . 18 |
| 13 F 38029 | 27/8x1\%退" | . 20 |
| 13 F 38037 | $27 / 8 \times 2 \times 1{ }^{\prime \prime}$ | . 22 |
| 13 F 38045 | 35\%825\%\%10 | 25 |


A. E-Z WIRE PARALLEL GRCUND DUPLEX WALL OUTLET. Breakoff terminals for 2 sep. arate 3 -wire circuits. Easily wired by pres. sure terminals or screws. UL listed. 15 amps; 125 V .
13 F 81193
Ea. .69; 10 for 6.21
8. E-2 WIRE QUIET SWITCH. Ultra-quiet ac tlon witch . . . no clicking noise. Has screw. and E-2 wire pressure terminals. 15 amps; 120 V . UL listed
13 F 81201
Ea. .71; 10 for 6.39
C. CHASSIS AC RECEPTACLE. Mounts from top or bottom. Mtg. centrs $11 / \mathrm{a}^{\prime \prime}$. U.L. Listed 15A. $125 \mathrm{VAC} / \mathrm{DC}$. Solder terminals.
13 F 09046
0. JIFFY FUSH PULL PLUG. Attaches in 5 seconds without any tools. Spring prones. Brown. U.L. Listed.
13 F 81136
Ea. .15: 10 for 1.35 E. CUBE TAP EXTENSION. Trio tap. 9 ft . rubber cord. AC plug. Brown. U.L. Listed. 13 F 81110

Net .72
F. PARALLEL GROUND ADAPTER. Adapts 3 wire toois and appliances to 2 wire AC outlets. 15A., 125V. $3 \frac{1}{4}$ " ground lead and lug. With cord clamp. U.L. Listed.
13 F 81151
Net .28: 10 for 2.52
G. RUBBEA CUBE TAP. 3 outlets. Unbreakable one piece soft rubber construction. 13 F 81102 U.L. Listed

Net .35
H. PARALLEL GROUND RUBEER PLUG. With cord clamp. U ground Dla. $11 / 2^{\prime \prime}$. 15 amps: 125 V . U.L. Listed.

## 13 F 81219

Net 60
J. Flexible rubber handle plug. Can be used for heavy duty work. 15A. 125 V .
13 F 81078 U.L. Listed ... Ea. .15: 10 for 1.35
K. RUBEER CORD CONNECTOR. With pull handie for extension cords. $11 / 4^{\prime \prime}$ diameter. With cord clamp. 2 wire. U.L. Iisted. 13 F 81144

# Littelfuse Fuses and Fuse Holders 

## TYPE 3AG STANDARD FUSES

Series 312000 . Quick acting for low time-lag applications such as amplifiers-auto radlos. U.L. listed. $11 / 4 \mathrm{~L} x^{2 / 4 \prime}$ diam. All rated 250 volf except 8 amp is 125 V . 5 fuses per package. Shipg. wt. 3 oz .

## 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 $250 \mathrm{~V}, 5$ fuses per pkg. Shpg. wt. 3 oz.

| Stock No. | Amps | Per Pkg. | 20 Pkg Per Ping. | S. Stock No. | Amps | Per Pkg. | 20 Pkgs. Per Pkg. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Type 271 Series Standard Fuse. |  |  |  |  |  |  |  |
| 13 F 12107 | 1/2 | 1.41 | 1.18 | 13 F 12198 | $12 / 2$ | 1.11 | . 93 |
|  |  | F212 | Series S | Standard Fuse |  |  |  |
| 13 F 12131 | 1/2 | 1.41 | 1.18 | 13 F 12206 | 11/4 | 1.11 | . 93 |
| 13 F 12149 | 8/10 | 1.41 | 1.18 | 13 F 12214 | 2 | 1.11 | .93 |
| Type T 213 Series Slow Blow Fuse. |  |  |  |  |  |  |  |
| 13 F 12180 | 1 | 1.44 | 1.20 | 13F12255 | 4 | 1.44 | 1.20 |
| 13 F 12248 | 2 | 1.44 | 1.20 |  |  |  |  |

## SNAP-ON FUSE HOLDER

For fast replacement of pigtait fuses. Dne side of dual holder clips on to blown fuse. New fuse fits into other side.
13 F 12388 wt ., 4 oz. ..... Each 20 ...... 10 for 1.75 ..


## littelfuse mountings and extractor posts

Mounts and fuse holders for every application. "Includes fuse. Fig. N is 3 AG indicating fuse post. Avg, Shpg. wt., 3 oz.

| Stock No. | Fis. | For Fuses | Description | Net E. |
| :---: | :---: | :---: | :---: | :---: |
| 13 F 11760 | A | 3AG, 3AB | Panel mount, screw slot | . 62 |
| 13 F 11778 | B | 3 AG 3AB | Panel mount, finer knob | . 62 |
| 13 F 11786 | A | 8AG | Panel mount, screw slot | . 62 |
| 13 F 11810 | C | 8AG | Single fuse, lug terminal | 21 |
| 13 F 11828 | C | 3AG, 3AB | Single fuse screw terminal | . 40 |
| 13 F 11844 | D | 8AG | Double fuse, lug terminal | . 38 |
| 13 F 11851 | E | 8AG | Meter-back mig. | . 40 |
| 13 F 11869 | $F$ | 8AG | Below panel mig. | . 59 |
| 13 F 11877 | F | 3AG, 3AB | Below panel mig. | . 60 |
| 13 F 11885 | G* | SFE(9A) | Auto inline fuse retainer | . 44 |
| 13 F 11893 | G* | SFE (14A) | Auto inline fuse retainer | . 44 |
| 13 E 11901 | $\mathrm{G}^{*}$ | SFE(20A) | Auto inline fuse retainer | 44 |
| 13 F 11984 | N | 3AG 90-125V | * 344125 indicating fuse post | post 1.11 |

## MINIATURE 3AG FUSE EXTRACTOR POSTS

Shortest 3AG fuse posts. Test Post hole in knobs, UL listed
Body and knob meet MIL-P. 14 F type CFG. Rated at 15 amps, 250 volts. Fig. $K$ has straight bottom terminals, behind panel length $111_{52}^{\prime \prime \prime}$. Fig. L, $M$ has right angle bottom terminal behind panel length $11 / \mathrm{H}^{\prime \prime}$. Fig. L' has knurled knobs. Fig $K, M$ has fluted knobs. Shpg. wt., 3 oz .

| Stotk Ho. | $\begin{aligned} & \mathrm{Mfg} \\ & \mathrm{Ho} . \end{aligned}$ | Fig. | 1.99 | $\begin{aligned} & \text { NET EACH } \\ & 100.499 \end{aligned}$ | 500 UP |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 13 F 11927 | 342014 | K | . 44 | . 36 | 29 |
| 13 F 11935 | 342022 | $L$ | . 52 | . 43 | . 34 |
| 13 F 11943 | 342004 | M | . 52 | . 43 | 34 |

## BUSS FUSE MOUNTINGS

## LITTELFUSE AUTO FUSES

307000 Series Medium acting fuses designed for auto use. Length according to current to guard against over fusing. All $1 / a^{\prime \prime}$ diam. 5 fuses per pheg. Shpg. wt. 3 oz .

| Stock No, | Amps | Per Pkg. | 20 Pkg. Per Phg. |
| :--- | :---: | :---: | :---: |
| 13 F 12263 | 4 | .30 | .25 |
| 13 F 12289 | 7.5 | .30 | .25 |
| 13 F 12297 | 9 | .30 | .25 |
| 13 F 12305 | 14 | .30 | .25 |
| 13 F 12313 | 20 | .30 | .25 |

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 plastic case, 10 fuses. Assorted value. Shpg. wt., $3 \mathbf{0 z}$.

## Books About IC's-Transistors-Tubes

## TRANSISTOR CIRCUITS



## By Rufus P. Tuner OVER 150 PRACTICAL CIRCUITS

SOME OF THE HIGHLIGHTS - Audio Amplifiers - RF and If Amplifiers - Radio Receivers - Triggers and Switches - Control Devices - Test Instruments . Mis cellaneous Circuits

GERNSBACK No. 63. Takes transistors out of the lab and puts them on the work bench. Over 150 practical circuits for amplifiers. oscillators, power supplies, amateur equlp ment and other unlts. All were designed by experts-some by the author himself. All were tested in the author's laboratory-and all of them work! No watering down with transistor testing or theoretical explanation circults! Shpg. wt., 9 oz.
10 F 41011
Net 2.95
SEMICONOUCTOR HANOBOOK (Sams 20620). A modern, complete sourcebook for indus trial semiconductor data In one comprehenslive, heavily illustrated volume. Covers a wide varlety of the latest circultry applications including grown-junction, alloyed-junctlon, drift MADT, mesa, planar and epdtaxial mesa types. 288 pages. Shpg. wt., $140 z$ 10 F 23936

Net 5.75
TRANSISTOR PROJECTS Gernsback No. 89. The best practical transistorized projects for buliding many types of radios, test equipment and other electronic gear, selected from Radio-Electronlcs magazine. Each one debugged and tested. 160 pages. 10 F 41045 Shpg. wt., 10 oz .

Net 2.95
BASIC THEORY AND APPLICATION OF TRAN. SISTORS. DOVER. Prepared by U.S. Army. Requires only minimal knowledge of physics and theory of electron tubes. Covers crystal semi-conductors, function of transistors, applications and construction; structure of matter, characteristics of crystals, PN junctlons, amplifier fundamentais, parameters and transistor analysis. 272 pages.
10 F 31202 Shpg. wt., 1602 ......Net 1.75
103 SIMPLE TRANSISTOR PROJECTS by Thomas S. Kneitel. Rider No. 0313. 103 fascinating experiments of transistors and semiconductor circults. Gives detailed explanation of steps that may not be familiar to some experimenters. Each experiment gives purpose, schematic dlagram and complete parts list. 128 pages.
10 F 10024 Shpg. wt., 602.
Net 3.45
TRANSISTOR BASICS: A SHORT COURSE by George C. Stanley, Jr. (No. 5819). Provides a fast way to gain a practical understand. ing of transistors. An excellent introduction to transistor principles, circuit analysis, applications and troubleshooting techniques. Simplified approach will enable the reader to determioe desired circuit values with an accuracy adequate to almost any practical situation. 102 pages, $5 \% \times 81 / 4 \%$. Softoound. 10 F 11964 Shpg. wt., 9 oz. Net 3.35

SOLID STATE POWER SUPPLIES ANO CONVERTERS. (Sams 20310) by Allan Lytel. A complete guide to building advanced solidstate power supplies for longer life and state power supplies for lize. 112 pages. Shpg. wt., 9 oz . 10 F 23241

Net 2.95
UNOERSTANDING AND USING UNIJUNCTION TRANSISTORS (Sams 20720 ) by Stu Hoberman. Details the construction, operation, characteristics and applications of the unijunction transistor (UST). Includes timing, triggering and sensing circuits, oscillators, power-controlling devices, counters, and computer memory systems. 96 pages. 10 F 23944 Shpg. wt., 8 oz.

Net 2.50


50 IC PROJECTS YOU CAN BUILD

## by Ronald M. Benray

Providing a selection of practical, inexpensive au. thor-Invented projects that can be built in an evening or two and demonstrate the new technology of integrated circults, this book is of special interest to electronic hobbyists. Projects cover a wide spectram Including an intercom, exposure timer, and a lle detector. 128 pages.
10 F 12780 Shpg. wt., $7 \mathrm{oz} . \ldots$ Net 3.75 FUNDAMENTALS OF INTEGRATEO CIRCUITS Hayden (5695) by L. Stern. A complete guide to Integrated circuits- their theory, manufacture, and application. Presents basic approaches to ic electronics and practical circuit design. Discusses thin-film, mono. lithic and hybird IC circuits, layout, and packaging principles. 208 prages, $7 \times 10$ Clothbound. Shpg. wt., 1 ib. 9 oz.
10 F 12509
Net 8.95
TRANSISTOR FUNDAMENTALS by Trainlng \& Retralning, inc. A four volume carefully planned, programmed course in semiconouctor theory and circuitry. Progress selfchecked by the reader via summary ques. tions and tests.

## Sams Publications

Vol. 1. Basic Semiconductor and Circuit Principles. 240 pages.
T0 F 24090 Shpg. wt., $13 \mathrm{oz} . \ldots$ Net 4.50 Yol. 2. Basic Transistor Circyits, 200 pages. 10 F 24108 Shpg. wt., 12 oz __Net 4.50 Vol. 3. Electronic Equipment Circuits. 192
pages.
10 F 24116 Shpg. wt., 11 oz. ....... Net 4.50 Vol. 4. Digital and Speclal Clrcuits. 208 pages.
10 F 24124 Shpg. wt., $12 \mathrm{dz} . \quad$ Net 4.50 All four volumes in slipcase.
10 F 24132 Shpg. wt., 3 ibs., 4 oz. Net 15.95 IRANSISTOR FUNDAMENTALS WORKBOOK. Practical applications of theory fundamentals above. 264 pages.

FET CIRCUITS Sams (20585) by Rufus P. Turner. Explains the principles of construc. tion and operation of field-effect transistors. Stresses the application of FET's in practical amplifier, oscillator, recelver, control and test instrument circuitry. 160 pgs . 10 \& 23662 Shpg. wt., 1002 . Net 3.95
IRANSISTOR SUBSTITUTION HANDBOOK. 10 th Edition. (No. 20773). By the Howard W. Sams Engineering staff. Updated guide lists over 100,000 substitutions. Tells how and when to use substitute transistors. Also includes manufacturers recommendations for using popular replacement transistor lines. Easy to use format-no doublechecking necessary. 160 pages.
10 F 24165 Shpg. wt., 802. $\qquad$
TRANSISTOR SPECIFICATIONS MANUAL 4 th Edition. (Sams 20788). Cantains the electrical and physical parameters for virtually all of the transistors now in use. Provides physical data, dimensions and other information required to install the unit; identifies leads and terminals for each transistor 288 pages.
10 F 22524 Shpg. wt., 1 lb.
Net 4.25
TRANSISTOR IGNITION SYSTEMS HANDBOOK. By Brice Ward. This is the first book of its kind, providing a comprehensive understanding of newly developed automobile transistor ignition systems. Begins with ignition system requirements and discusses transistor system components and their functions. Explains practical systems in detail. Presents general instaliation procedures, troubleshooting and testing techniques, including check charts and other supplementary information. 176 pgs. $51 / 2 \times 81 / 2^{\prime \prime}$. Sams
(20238.)

10 F 224

## Color TV Publications

## SAMS COLOR TV BOOKS

COLOR TV TRAINING MANUAL. (20736). 3rd Edition. Comprehensive manual to train the technician in servicing Color TV. Describes science of color, requirements and make. up of composite color signal, servicing procedures. Outlines use of color test equipment. Illus, 240 pgs. $81 / 2 \times 11^{\prime \prime}$. Shpg. $\mathrm{wt}, 1 \mathrm{lb}, 5 \mathrm{oz}$.

## 10 F 21286 <br> Net 6.95

SYMFACT GUIOE TO COLOR.TV SERVICING (20710) by-PF Reporter Editorial Staff. A quick guide to better and faster color. TV servicing using observation and correct analysis of the picfure on the screen to reveal which section of the set is faulty. Symp. tom analysis, waveform, voltage and component analysis for every trouble situation. 128 pages. Shag. wt., 10 oz. 10 F 23969

Net 3.95
TRANSISTOR COLOR TV SERVICING GUIOE (20693) by Robert G. Middieton. Fills a definite need for servicing literature. Functionally divided according to sections in the transistor color-TV receiver and further sub. divided according to symptoms. $81 / 2 \times 11^{\prime \prime}$, 112 pages. Shpg. wt., 13 oz.
10 F 23977
Net 4.50
COLOR TV WAVEFORM AMAIYSIS (20763) by Robert G. Middieton. A comprehensive presentation of waveform analysis as an analyt. ical tool for efficient servicing of color TV. Practical application to RF, IF, video amplifier, color sync, demodulator, matrix and keyed-clamped DC-restorer circuits. 125 pages. Shpg. wt., 902.
10 F 24173
Net 3.50

COLOR TV SERVICING GUIOE (20358) by Robert G. Midaleton. Follows the same picture fube-and-trouble symptom format so successful in black and white TV servicing guides, showing how to apply fast troubleshooting procedures based on analysis of symptoms. Includes many full-color picture tube photos lllustrating various operating troubles with concise explanations of probable causes and diagnosing procedures. $81 / 2^{\prime \prime} \times 11^{\prime \prime} .112$ pages. Shpg. wt., 12 oz.
10 F 23159 Net 4.25
USING SCOPES IN COLOR TV (20718) by Robert G, Middieton. Concentrates on chroma-circuit waveform analysis and Interpretation of special patterns such as vectorgrams. Describes the uses of a scope in checking bandpass amplifiers, matrixing circuitry, chroma demodulators etc. and the problems which arise during successful servicing of color TV sets. 160 pages. Shpg. wt., 902.
10 F 23985
Net 3.95
COLOR TV SERVICING MADE EASY. NO. YOL 1 (20135) by Wayne Lemons and Carl Babcoke. Practical. service and set-up procedures explained. Covers all major color receivers from 1957 to 1964. Contains authoritative information on troubleshootIng, adjustments providing the benefit of experience atained through actual service work on thousands of receivers. 192 DKs. $51 / 2 \times 81 / 2{ }^{2}$. Shpg. wL, 10 oz.
10 F 21302
Net 3.95
COLOR TV SERVICING MAOE EASY VOL. 2 (20523) Brings you up-to-date on new color circuitry and developments since Volume 1. 288 pages. Shpg. wt., 1202. 10 F 23605

## GL/TAB BOOKS

PRACTICAL COLOR TV SERVICING TECHNIQUES, (GL/TAB No. 436) by R. L. Coodman. Shows simplified methods of servicing old and new color receivers, from anten na terminals to CRT. Includes portable and solid state IV, with full color HIus. trations, case histories and service instrument techniques. 297 pages.
10 F 41599 Shpg. wt., 1502
Net 4.95 COLOR TV REPAIR (Gernsback No. 123) by 10 Servicing Experts. A staff of 10 top technicians telts how to fix color TV receivers. Each trouble symptom is described in detall, and the perfect solution provided. includes tips on how to pinpoint the defec. tive color section quickly and describes unexpected causes of TV color failure. 100 pages, softbound. Shpg. wt., 10 oz .
10 F 41532
Net 2.95
A NEW WAY TO SERVICE COLOR TY (Gernsback No. 136) by Carl Babcoke. The serviceman author emphasizes the practical aspects of trouble-shooting and repairing the difficult-to-fix color TV sets, steering clear of the complex theory. The principal approach is visual examination. A few measure. ments pinpoint the trouble to definite components. 192 pages. Shpg. wt., 10 oz .
10 F 41581

Net 5.95
COLOR TV FACTBOOK: Problems and Solu. tions (GL/TAB No. 519) by Editors, Elec. tronic Technician. A gulde to color TV troubles and solutions arranged by manufacturer and model. Includes repetitive troubles, fleld-factory changes, special adjustments and Dertinent service information. 176 pages. Shpg. wt., 10 or: 10 F 41748

## CITIZENS BAND \& 2-WAY RADIO BOOKS

99 WAYS TO IMPROVE
YOUR CB RADIO
by Len Buckwalter
(Sams 20515) Tells how to perate, service and maintain CB equipment in top condition and get most use
from it. Glves 99 down-to-earth highly usefui hints that will prove Invaluable to anyone Interested in CB activity. 128 pp. 10 F 23597 Shpg. wi., 902 ............Net 2.95 CITIZENS BANO RAOIO MANOBOOK (3rd Ed. Sams (20569). By David E. Hicks. Completely revised and updated. Dlscusses the various types of equipment. how to choose to fit your speciflc needs, and your licenses. Covers CB equipment, circults, antennas, fixed and mobile installations, maintenance, repairs, measurements, and operating procedures. 192 pages. $51 / 2^{\prime \prime} \times 81 / 2^{\prime \prime}$.
10 F 23613 Shpg. wt., 8 oz.
Net 4.25
ABC'S OF CITIZENS BANO RAOIO Sams (20019). By Len Buckwalter. Explains the functions, operation, regulations, and setup and operating procedures. The book explains how to obtain an FCC license and how to efficiently set up and operate CB radio equipment. 96 pages. $51 / 2^{\prime \prime} \times 81 / 2^{\prime \prime}$. Shpg. wt., 6 oz .
10 F 23266
Net 2.50
CB RADIO ANTENNAS 2nd Ed. Sams (20567) By David E. Hicks. Thoroughly explains selection. Installation. operation and servicing CB antennas for those who wish to buy or improve the pertormance of their CB gear. 144 pages. Shpg. wt., 8 oz.

## 10 F 23621

Net 3.50
CB RADIO CONSTRUCTION PROJECTS SAmS (20099). By Len Buckwalter. Complete step-by-step details for bullding inexpensive CB devices. accessories and test instruments to help CB operators ret full efficiency from equipment. Field-tested, do not conflict with FCC Regulations. 112 pares. 10 F 23233 Shpe. wt., 9 oz. ........Net 2.95

## UHF BUSINESS RADIO HANDBOOK

## by leo. G. Sands

Sams (20088). Covers all aspects of Business Radio Service and UHF Radio communications systems. Describes its purpose. types of equipment. operation, UHF mobile and fixed stations, relay stations, antenna systems, servicing and . FCC regulations. Complete guide in this fast growing field. 192 pages. Shpg. wt.. 10 oz.
192 pares


PRACTICAL CB RADIO SERVICING
by Freeland and Sands (Hay. den/Rider 0777). A useful, well-organized and complete practical gulde for servicing CB and two-way radio equip. ment. Covers operatlona checks, measurements, noise and interference and troubleshooting receiver and transmitter. 192 pages.
10 F 12772 Shpg. wt., 10 oz.


Net 5.25
WALKIE-TALKIE HANDBOOK by Leo G Sands (Sams 20572). Describes the various types of walkie-talkies and how they work. An excellent guide for the selection and various applications of walkie-talkies. Covers accessories specifications, maintenance and Hicensing requirements. 176 Dgs. $51 / 2^{\prime \prime} x 81 / 2^{\prime \prime}$. 10 F 23654 Shpg. wt., 8 02. ........Net 3.95
CB RaOlO SERVICING GUIDE 2nd Edition Sams (20722). By Leo G, Sands. A practical "howto" guide for locating all types of CB troubles. Gives detalled procedures for tuning up, testing, and trouble-shooting. Explains FCC regulations. Covers both single and multichannel receivers and transmitters. Step-by-step analyses of transmitter circuits. Trouble shooting procedures aimed at rapid solutions, 160 pages. $51 / 2^{\prime \prime} \times 81 / 2^{\prime \prime}$.
10 F 22094 Shpg. wt., 9 oz.
Net 3.95
MOBILE RAOIO SVSTEMS PLANNING (Sams 20780 ) by Leo G. Sands. Basic information about types of mobile radio systems; how they work. their capabilities and limitations, licenses, channels, band and frequency selections, choice of equipment, antenna systems. accessorles, etc. 144 pages. Shpg. wt., 902 10 F 24181

Net 4.50
ANTENNAS FOR CITIZENS RADIO SERVICE (Radio Publications) Features bulld-it-yourself antennas for the Citizens Radlo Service with easy-to-follow construction information for efficient low-cost antennas. 10 F 50020 Shpg. wi., 4 02. ......... Net 1.95

CBer's HOW-TO-B00K (No. 0718) by Leo 6. Sands. A complete guide for selecting. installing, operating, testing, repairing and modify ng CB equipment. Includes information on mobile unit and base station features, walkie-talkies and phone patches. A fully illustrated all-points guide with tables for ail CB Codes and Channels. 128 pages Shpg, wt.. 907.
10 F 12087
Net 3.50
CB RAOIO OPERATORS GUIDE (GL/Tiab No. 499) by Robert M. Brown. A virtual CBer's bible. includes buying base and mobile station equipment, installation, antennas improvements, trouble-shooting, emergency assistance, etc. 192 pages. Soltbound. 10 F 41680 Shipg. wt., 9 oz. ........Net 3.95
101 EASY CB PROJECTS (Sams 20663) by Robert M. Brown. A collection of simple, inexpensive yet practical CB radio equipment and accessorles. Each easy-to bultd device is a useful addition to any CB radio operator's gear. Complete description, parts ilst, and instructions for each construction project, 128 pages. Shpg. wt., $60 z$.
10 F 23993
Net 3.25
ELIMINATING ENGINE IMTERFERENCE Sams (20184). By John D. Lent. Explains the why" of engine interference with CB amateur and Marine communications and the solution to this serious problem by nolse-suppression, shielding and modifyink equipment. 112 pages. Shpg. wt., 7 oz. 10 F 23217

Net 2.75


## AMERICAN RADIO RELAY LEAGUE BOOKS

## AMECO BOOKS

RADIO AMATEUR'S MANDBDOK, Latest edition used all over the world by both hams and professionals. Packed with theory and pracical design, Information on station equipment, audio and RF circuits, MF, VHF, and UHF, phone and C.W., recelvers, transmitters, antennas moblife equipment etc. $61 / 2 \times 91 / 2^{\prime \prime}$ 10 F 89010 Shpg. wt., $21 / 4$ lbs. .... Net $4.50^{\circ}$

A COURSE IN RADIO FUNDAMENTALS. A study guide keyed to the Amateur's Handbook. Describes numerous experiments for easy understanding. Complete with questions and answers after each chapter. 103 pages. 10 F 69051 Shpg. wt., 10 oz . Net 1,00

MOBILE MANUAL FOR AMATEUSS, Contains articles selected from OST magazine. Covers all aspects of moblie operation, including converters, recelvers, transmitters, power supplies and antennas, 272 pages, lllus. trated, Shpg. wt., $1 \mathrm{lb} ., 1$ oz:
10 F 89028
Net 2.50
ANTENNA BOOK. Gives antenna and trans. mission line theory, plus Instructions for buliding amateur antennas for all bands from 160 meters up into the UHF regions. 330 pages. Shpg. wt., 6 oz.
pages. Shpe
10 F 9036
Net 2.50
RADIO AMATEUR'S VHF MANUAL. A thorough treatment of VHF with authentic VHF history Covers recelving and transmitting principles. techniques and construction; antenna and feed system design; microwaves; test equip. ment; interference; VHF hints and kinks. Emphasis is on tried and tested equipment and practice. $61 / 2 \times 91 / 2^{2} .360$ pages.
10 F 89184 Shpg. wt., 1 ib, 6 oz . Net 2.50

## EDITORS AND ENGINEERS

GADIO HANDBOOK (No. 24004). 18th Edition. Telis how to deslgn, build and operate the latest types of amateur transmitters, receivers and associated gear. Provides extensive simplified theory on almost every phase of radio practice, specifically written for the amateur, technician and enginees Broadest reference coverage, up-to-date original data. $61 / 2 \times 91 / 4^{\prime \prime} .896$ pages. Hardbound. Shpg. wt., 3 lbs. 10 F 24017

Net 13.50

## RADIO AMATEUR CALLBOOKS

RADIO AMATEUR CALL BOOR-UNITED STATES SECTION. Lists all (over 286,006 ) licensed amateurs in the United States, possessions and personnel in foreign countries with their call letters and addresses. Published quarterly. Latest edltion will be shipped. $9 \times 12^{\prime \prime}$ 10 F 50095 Shpg. wt., 2 los. 6 oz. Net 7.95

FOREIGN RADIO AMATEUR CALL BOOR. COVers all countries outside of 50 United States. Over 164,000 calls. Published quarterly. Latest edition will be shipped. 10 F 50103 Shpg. wt., $1 \mathrm{lb}, 7$ oz. ._ Net 5.95

RADIO AMATEUR DX GUIOE, The guide manual for DX enthusiasts. Features a listing of foreign prefixes, great circle maps, section map time conversion charts, contest and field day log, world-wide postal information, great circle bearing tables and other' information invaluable to the amateur.
10 F 50137 Shpg. wt., $10 \mathrm{oz} . \ldots$ Net 2.00

UNOERSTANDING AMATEUR RADIO. Written for the beginner. Simply explains the elementary principles of electronic and radio circuits, transmitters, receivers and antennas. A must in setting up and operating the amateur station. $61 / 2 \times 91 / 2^{\prime \prime} .320$ pages. Shpg. wt. 15 oz.
10F89192

## 02.

$\qquad$ Net 2.50
radio amateur's license manjal. Prepares for FCC exams for Novice, Technician, Conditional, General, Advanced and Extra Class ham license. Typical exam questions are answered. Contains study materials and complete regulations. 120 pages.
10 F 89085 Shpg. wt., 7 oz.
Net 1.00
GATE WAY TO AMATEUR RADIO. Set of 4 books for all hams. In addition to "Radio Amateur's License Manual" above, contains "How to Become a Radio Amateur," "Learn. Ing the Radio-Telegraph Code", and "Operat. ing an Amateur Radio Station". Everything needed to get started in ham raoio. needed to get started in
10 F 8 s 119 Shpg. wt., I ID. $\qquad$ Net 2.50
SINGLE SIDEBANO FOR THE RADIO amateur. A selection of the best SSB articles appear. Ing in QST magazine. Thoroughly discusses the theory and practical methots of this popular new development. Shows how to build the needed equipment. 253 pages. 10 F 89069 Shpg. wt., 15 oz . Net 2.50 amateur gadio map of the wobld. Made especially for amateur radio, this map shows distances, call prefixes for different countries and other required information. $30 \times 40^{\circ \prime}$. 10 F 89127 Shpg. wt., 15 oz .....Net 2.00 amateur station log book. Convenient amateur radio log book, with lisi of a sig. nals. Spiral bound. Shpg. wt., 7 oz. 10 F 89135

Net 50

## RADIO PUBLICATIONS

beam antenna handbook. By william $t$. Orr. 3rd edition. Covers the constructlon, installation, and evaluation of rotary beam anteneas. New, simplified designs using easily obtainabie materials are given. Fuli dimensional charts are glven for the 6,10 , 11, 15, 20 and 40 meter bands! All you need to know about beams. 200 pages. 10 F 50079 Shpg. wt., 13 oz. Net 4.95
BETTES SHORTWAVE RECEPTION. BY WIIIIam I. Orr. 2nd edition. Covers the exciting field of shortwave radio for the SWL and the radlo amateur. The mysteries of shortwave transmission and reception explained in simple language. Jam-packed with data and such usefui information as "do-it-yourself" radio projects, DX tuning hints, international broadcasting, etc. 139 pages. $\qquad$ Net 3.95 CUBICAL QUAD ANTENMAS. By WIlliam I. Orr. Handbook of quad assembly and data. X-Q high gain. 7 MHz and 50 MHz quads. Trigamma 3 band single feed. Gains, front/ back, patterns. Simplified and improved con. struction. Shpg. wt., 2 oz.
struction.
10 F 50038
Net 3.95
amateur radio the ory course (No. 10201). Complete home study theory course covering Novice. Techniclan, conditional and general classes. Aimost 400 typical F.C.C. questions to help prepare for exams. $6 \times$ $81 / 22^{2} 300$ pages. Shpg. wt., 10 oz. 10 F 57041
COMMERCIAL OPERATOR'S Q A LICENSE GUIDE. These books cover the exam material for F.C.C. IIcenses. Includes questions and simplifled answers and a sample F.C.C. type examination.
ELEMENTS 1, 2 \& 9 (No. 8-01). Covers third class radio-telegraph and radio-telephone exam, 48 pages. Shpg. wt., 502. 10 F 57066

Net .75
ELEMENT 3 oNo, 9-01). This element plus elements 1 and 2 above. Covers the 2 nd Class Radio Telephone License. 160 pages. 10 F 57116 Shpg. wt., 7 oz.

Net 1.95
ELEMENT 4 (No. 10-01). This element plus elements 1, 2, and 3 above, Covers the 1 st Class padio-Télephone License, 80 pages. 10 F 57124 Stapg. wt., 602.

Net 1.25

## HOWARD W. SAMS

SHORT-WAVE LISTENER'S GUIDE (20595) 3rd Edition by H. C. Woodruff. All the important and available information on International Broadcast Stations useful to the SWL. 96 pages. Shpg. wt., 5 oz.
10 F 22490
..Net 2.25
BUILDIMG YOUR AMATEUR RADIO NOVICE STATION (20050) by Howard S. Pyle WTOE. Tells how to bulld inexpensive transmitters, receivers, and accessories. Full-size templates provided with simplified construction details. Equipment also serves well in General Class. 128 pages. Shpg. wt., 9 oz. 10 F 23506
FIRST-CLASS RADIOTELEPHONE LICENSE HANDBOOK (20086) by Edward M. Noll. Completely revlsed and updated. Contains questions and answers based on revised FCC element 4, needed to qualify for a ist class license. Also provides essentlal knowledge required by communications engineer. 400 pages. Shpg. wt., 1 lb.
10 F 23050
_ Net 5.75
SECOND-CLASS RADIOTELEPHONE LICENSE HANOBOOK (20316) by Edward M. Noll. New 3 rd edition. 'Complete study course for elements I, II and 111 of latest FCC exams. Prepares you for license needed for communications and 2 -way radio work. 336 pages. Shpg. wt., 14 oz .
10 F 23068 $\qquad$ Net 5.75
ABC'S OF SMORT. WAVE LISTENING (20554) by Len Buckwalter 2nd Ed. Introduction to the exciting would of short-wave radio. Covers international, amateur, police, emergency, aircraft, ships-at-sea, and even orbiting satellite communications. Discusses receivers and antennas. 96 pages. Shpg. wt., 7 oz. 10 F 23514

Net 2.50

## SHORTWAVE LISTENING

WORLD RADIO TV HANDBOOK 1970. Contains details on every short-wave and TV station throughout the world. Each station Identi. fied by call, frequency, station personnel, address, power, programs and language, license fee, identification signals and network affillation. 340 pgs. Imported. 10 F 12012 Shpg. wt., 1 ib., 3 oz. Net 6.95

SHORTWAVE VOICES OF THE WORLD by Richard E. Wood. Covers every aspect of international shortwave broadcasting. Emphasizes how to obtain OSL card verification from forelgn broadcasters. Details when to llisten for best overseas reception. 100 pgs. 10 F 14000 Shpg. wt., 10 oz. .......Net 3.95

#   

 Publications
## TELEVISION AND SERVICING

HOW TO SELECT ANO INSTALL ANTENNAS (No 0786 ) by Lon Cantor. A unique guide covering all aspects of antenna selection and installation for color, and black and white TV, FM stereo, UHF, VHF, or complete master TV systems - mechanical as well as electronic. Includes special consideration of local fringe and near fringe area problems. 112 pages. Shpg. wt., 9 oz.
10 F 12038
Net 3.95
FUNDAMENTALS OF TELEVISION (No. 0391). By Walter M. Buchsbaum. Provides a com plete and modern course in television the ory, operation, and servicing. Emphasis is placed on understanding essential working principles; mathematics is held to an abso lute minimum. The key circults are explained with practical troubleshooting procedures 291 pages $6 \times 9^{\prime \prime}$. Softbound.
10 F 11808 Shpg. wt., $11 / 4$ lbs
Net 5.95
how to troubleshoot a tV receiver (No. 0152, 2nd Ed.). By J. Richard Johnson. Step-by-step guide tells where to start and how to continue in trouble-shooting all TV re. ceivers. Discusses tools, equipment and accessories, preliminary observations and checks, use of test patterns and cross-hatch patterns, tubes, controls, sound troubles, etc. Soficover, $51 / 2 \times 81 / 2^{\prime \prime}, 128$ pages.
10 F 10198 shpg. wt., 6 oz.
Net 4.25

1970 TUBE CADDY-TUBE SUBSTITUTION GUIOE (0801) by H. A. Middieton.

Eight comprehenslve sections listing over 14,400 direct substltutions, including the latest tubes. Covers foreign picture tubes on the American TV market. This years edition of the Tube Caddy is bigger and easler to use. 128 pages. $41 / 4 \times 5 \% / \mathrm{s}^{\prime \prime}$. Shpg. wt., 5 oz . 10 F 11915 Net 1.59
BASIC TELEVISION by Or. A. Schure, Ph.D., D. Ed. A "picture book" course in the fundamentals of TV written in non-technical language so that anyone having a knowledge of radio can master TV in easy to learn, simplified steps. Teaches everything about TV theory and circuitry with a minimum of mathematics. 450 original illustrations, which make each idea completely understandable, are a feature of this serles. The course is broken down into 5 volumes and systematically covers every portion of the subject. Vols. 1-5 Complete Set-(No. 0082).
10 F 10396 Shpg. wt., 2 lbs. 1 oz. Net 18.75 TV TROUBLE SHOOTING AND REPAIR (No. 0296-2nd ed.). By Robert G. Middleton. Newly revised and updated edition. Bridges the gap between "theory" and "hardware" treatment to cope with the real problems in repairing TV malfunctions. Each chapter is complete within Itself. 216 pages, $51 / 2 \times 88 / 2 \mathrm{~ms}$. 10 F 10214 Shpg. wt., 11 ozs.

Net 4.75

## BOOKS ON AUDIO,

HI-FI LOUDSPEAKERS ANO ENCLOSURES. (NO. 0721). 2nd Edition by Abraham Cohen. This classic In hi.fi Ilterature, completely covers this subject. Answers all questions about loudspeakers and enclosures; design, construction or crossover network: etc. Discusses the room as part of the acoustic circuit and the ramifications of stereo practices. 216 pgs .
10 F 12582 Shpg. wt., 10 oz .
Net 5.95
HOW TO SELECT AND USE MI-FI ANO STEREO EQUIPMENT by Murray P. Rosenthal All aspects of high fidelity are comprehensively covered in these 2 volumes. Vol. 1 (No. 0340) Spells out the Criteria and pltfalls when selecting new equipment. Fully covers loudspeakers and enclosures, receivers, tuners, ampliflers and headphones. 128 pages. 10 F 12046 Shpg. wt., 9 oz.

Net 3.50
Vol. 2 (No. 0341) Presents full details on rec. ord players and tape recorders including operation, and maintenance. Discusses records, tapes, tone arms and styll. Features a section on hi-fi troubleshooting. 112 pares. 10 F 12053 Shpg. wt., 9 oz. Net 3.50

## BOOKS ABOUT COMPUTERS

HOW TO BUILD A WORKING OIGITAL COM. PUTER (No. 0748). By Alcosser, Philifs and wolk. Features a unique approach to explaining how and why computers work. plaining how and why computers work. ing an inexpensive working computer, wlth all component specifications and step-bystep assembly instructions. Complete theory explanations precedes construction. Includes programming explanation and solution of actual problems. 176 pages. Softbound. 10 F 11006 Shpg. wt., 14 oz .

BASICS OF OIGITAL COMPUTER PROGRAMMING (No. 0405). By John S. Murphy. This text provides a solid grounding in the use of procedure language for programming as well as a firm understanding of computer's apptications to business. 150 pgs. $6 \times 9^{\prime \prime}$. 10 F 11022 paperbound. Wt., 7 oz . Net 3.95
300 Lafayette Cat. No. 710

UNDERSTANDING ELECTRONIC ORGANS (NO. 0750 ) by Thom as Jaski. This gulde covers the basics of organ operation and theory used in organ construction. Clircuits- their necessity and effects-are discussed in detail, as well as the mectianical details of organ consoles such as keys, pedal, stops etc. Also includes tone generators, special effects. accessories and repairs. 224 pages.
10 F 12061 Shpg. wt., 12 oz. ........ Net 5.45
HOW TO SERVICE TAPE RECOROERS. (No. 573). By C, A. Tuthill. Presents in a balanced manner, an introduction to magnetic recording, an analysis of the operation of the mechanical and electronic systems of many modern tape recorders, and detalled direc. tions for maintenance and trouble-shooting. Revised to incorporate the newest machines. $53 / 481 / 2^{\prime \prime}$ Softbound. 165 pages.
10 F 11832 Shpg. wt., 8 oz.
Net 4.45

## INDUSTRIAL ELECTRONICS

INOUSTRIAL CONTROL CIRCUITS (NO. 0202). By Sidney Platt. This book looks at indus. trial contral circuits through the eyes of the beginner, Circults governing the Initiation, processing, and finishing stages of industrial electronic equipment are explained in a comprehensive manner. Specific Industrial applications are described to lllustrate the problems of industrial control. There are chapters on electronic relay control timing circuits photoelectric control, power controls, etc. Softcover, 200 pages, $51 / 2 \times 81 / 2^{\prime \prime}$ illustrated.
10 F 10602 Shpg. wt., 12 oz. .........Net 4.75

## RADIO-THEORYAND REPAIR

RADTTO TROUBLESHOOTING GUIOEBOOK (No. 0149). Vol. 1. By Rlder Johnson, Covers fundamental principles of rado receiver operation, written on an elementary level. Special section on trouble diagnosis, recog. nition of faults and their repair. Every type of AM and FM receiver is discussed. Softcover. $51 / 2 \times 81 / 2^{\prime \prime}, 160$ pages. Hllustrated.
10 F 10537 Shpg. wt., $802 . . . . . . . .$. Net 3.75 REPAIRING TRANSISTOR RAOIOS (NO. 0270). By S. Libes. New methods and procedures developed for the repalr of transistor radios. Deals with basic transistor theory, transistorized circuitry designs, superhet radio recelver principles. Servicing sections include procedures, check points, charts, test equipment, etc. Softcover, 168 pages. $54 / 2 \mathrm{x}$ $81 / 2^{\prime \prime}$. Shpg. wt. 10 oz.
10 F 10545
Net 4.25
HOW TO READ SCHEMATIC OIAGRAMS NO. 0208). By David Mark. Covering the symbols and abbreviations used in schematic diam grams related to the electronics field, this book starts with individual components and carries through to complete recelvers and similar equipment. Components and circults are identlfied and explained. Softcover, 160 pages. $51 / 2 \times 81 / 2^{\prime \prime \prime}$, llustrated. Shpg. wt., 9 oz . 10 F 11394

Net 3.95
BASIC RAOIO (No. 0081) by Marvin Tepper An exhaustive coverage of the fundamentals and circuitry of radio communications. Over 750 specially prepared iltustrations, con ceived and selected for their ablity to make the idea at hand readlly understandable, provide the "plcture book" approach to the subject matter. Six major sections thorough. ly cover: DC electricity, AC electricity, elec. tron tube circults, $A M$ and $F M$ recelvers, transistors and transmitters. 800 pages Clothbound. Shpg. wt., 4 lbs
10.F 10511

Net 14.85
BASIC RADIO REPAIR (No, 0417). By Marvin Tepper. In two comprehensive volumes, the radio technician or hobbyist wll find a sen sible uD-to-date approach to servicing both receivers and transmitters. General servicing procedures are outlined and applied to the practical techniques for repairing superheterodyne, portable, automoblle and FM receivers. Translstor recelvers are treated in 4 full chapters. The remainder of the book is devoted to servicing transmitters includ. ing FM and SSB, 212 pages, $6 \times 9^{\prime \prime}$ Clothbound. 10 F 10438 Shpg. wt. 12 oz . ....... Net 5.95 TEST EQUIPMENT BOOKS
T'S EASY TO USE ELECTRONIC TEST EQUIP. MENT (No, 0308), By Kevin and Gilmore. Describes and explains various basic electrical and electronic test instruments and outfines the various techniques for using these instruments. Emphasis is on practical application with more than 100 -illustrations. 192 pages. $51 / 2 \times 81 / 2^{\prime \prime}$.
10 F 11121 Shpg. wt., 11 oz . ....... Net 4.95 HOW TO USE METERS (No. 0144) 'By John F. hider. Explains use of panel meters, voms, and VTVMs when servicing radio and TV recelvers, amplifiers, power supplles, and amateur transmitters. Shows what, how and where to use varlous meters. Discusses measurements and applications in different circuits. Illustrated. Softcover, 144 pages. 10 F 11063 Shpg. wt., 12 oz. ........ Net 4.95 OBTAINING \& INTERPRETING TEST SCOPE traces (No. 0146). By John F. Rider. Explains screen traces seen on test scopes in understandable, non-mathematical language. Contains over 800 scope traces in sinusoidal group - square, rectangułar, trapezoidal, sawtoothed, differentiated and integrated waveforms. Gives examples with explanations. Shows how to connect and operate scope. Softcover, $51 / 2 \times 81 / 2^{\prime \prime} .190$ Dages. 10 F 11055 Shpg. wt., 11 oz . ...... Net 3.95

## Hayden/Rider Publications

## BASIC TECHNICAL BOOKS

basic electricity (No. oo39). By Van Val. kenburgh, Nooger, Neville, Inc. Famous illustrated training course used by the Navy. Each page has at least one picture and explains one idea. Covers AC and DC components and circuits, $A C$ and $D C$ motors and machinery. Clothbound $6 \times 9^{\prime \prime}$. Total 624 pgs 10 F 11386 Shpg. wt., 2 lb .7 oz. Net 12.75
sasic electronics-EXPANOED COURSE. By Van Valkenburgh, Nooger Nevilie, Inc. (No. 0049). Famous illustrated standard Course covering vacuum tube diodes, power suppliss, oscillators, amplifiers, detectors, receivers and transmitters plus semiconductors, transistors, and FM. Used by the Navy to train technicians. 666 pages. Clothbound 10 F 10669 Shpg. wt., 2 lbs. 9 oz Net 14.25
gasic principles ano applications of RELars (No. 0434). By Harvey Pollack. A comprehensive discussion of relay construcUon, operation and application at the technician level. $51 / 2 \times 81 / 2^{*} .112$ pages.
10 F 10636 Shpg. wt., 7 oz.
Net 3.95
USING THE SLIOE RULE in electronic technology by Charles Alvarez is written for elec. tronic students, both beginners and advanced. It can also serve as auxiliary text in math theory. All scales are discussed
 separately with detalied examples, graded in dlfficulty to develop speed and accuracy in use of the slide rule. 120 pp. $54 / 2 x 81 / 2$ paperback.
10F11626 Shpg. wt., 802.
how to solve proslems in electricity ano electronics (No, 0302). By Henty ja cobowitz. Covers simple problems in DC circuits and progresses through more complex problems in AC electricity, tubes and transistors. All problems with solutions worked out. 152 pgs.
10 F 10594 Shpg. wt., 11 oz. ........ Net 3.95
HOW TO SCORE HIGH ON THE SEHOLASTIC APTITUDE TEST (No. 0304), By Albert Genula Treats questions of the type used in Scholas tic Aptitude tests covering English and Mathematics. Contains practice exercises and answers, 224 pages, $81 / 2 \times 11^{*}$, illus 10 F 11030 Shpg. wt., $1 \mathrm{lb} ., 9 \mathrm{oz}$. Net 3.59

## LICENSE MANUALS

RAOIO OPERATOR'S LICENSE Q \& MANUAL (No. 0771). Seventh edition by Milton Kauf man. Has been completety updated in accordance with the latest FCC examination requirements for any radio-telephone oper ator's license. Contains elements I, II, III, IV, VII and IX. Questions and answers for elements 111 and IV completely revised; all other elements have been updated. 576 pages. $57 / 4 \times 814^{\prime \prime}$. Clothbound.
10 F 11980 Shpg. wt., 21/2 lbs.
Net 8.95
RADIOTELEGRAPH OPERATOR'S LICENSE Q A MANUAL (NO. 0772) by Milton Kaufman. Completely updated study Manuat for obtaining FCC 3rd, 2nd and 1st class radiotelegraph licenses. Covers elements I, II, V, VI and vill plus direction finder and automatic alarm equipnient. 400 pages. Clothbound. 10 F 12095 shpg. wt., $21 / 4 \mathrm{lbs}$..... Net 11.95
by Robert M, Brown

- Oetailed Technical Explanation of Electronic 8ugging and Debugging
(No. 0779) Discusses the secret techniques, devices, circuits, users and suppliers of bugs and anti-bugs. Covers all ramifications of electronic snooping, including minjature microphones and amplifiers, receivers, beepers, speech scramblers, techniques and circuitry. Includes a buyers directory and a section on eavesdropping and the law. 176 pages. $57 / 8 \times 81 / 4$
10 F 11972 Shpg. wt., 10 oz. ........ Net 4.95


Learn a language as it is actually spoken, for travel and study, for use in restaurants shopping, sightseeing etc. Features dual language recording - first in English sentence, then its foreign equivalent. Each set con tains 3 high-fidelity $331 / 3$ LP records for $11 / 2$ hours playing time plus convenient manual with full record text and phonetic transcription. Shpg. wt., 2 lbs. 902
24 F 20016 French 24 F 20040 Russlan 24 F 20024 Spanish

24 F 20057 Italian 24 F 20032 German

24 F 20065 Japanes
Net ea. 6.95

## SELECTED BOOKS ON SCIENCE \& TECHNOLOGY



BASIC ELECTRICITY. Prepared ty the U.S. Navy as a training course text. Provides a thorough coverage of the basic theory of electricity and its applications. Excellent for classroom use or for homestudy. 448 pgs. Shpg. wt.. $1 \mathrm{lb} ., 12 \mathrm{oz}$.
10 F 31301
Net 3.00

## TEACH YOURSELF SERIES

Thls Famous Serles Published by the English University Press Is An Ideal, Thorough, Ye Inexpensive Course in the Basic Branches of Mathematics and Mechanics. Clotnbound

TEACH YOURSELF ALGEBRA by P. Abbott. A complete basic course in the most widely used branch of mathematics. Material simply presented with over 1200 problems (answers in the appendix) included to aid the student. All important areas of algebra are covered, with only an understanding of arlihmetic necessary to master the techniques presented. Table of logarithms, 307 pages. $41 / a x 7^{\prime \prime}$. Clothbound.
10 F 31079 ShPg. wt., 10 oz.
Net 2.50
TEACH YOURSELF GEOMETRY by P. Abbot is an excellent text both for a beginner and a refresher course in geometry. Divided into two parts, the first deals with the basic geometrical truths. The second presents the formal proofs of the geometrical propositions. Other areas treated are: paralle: straight lines, theorem of Pythagoras, solid geometry, prisms, and much more. 334 pages. $41 / 4 \times 7$ " Cloth bound.
10 F 31129 Shpg. wt., 10 oz
Net 2.50
TEACH YOURSELF TRIGOHOMETPY by P. Abbott. Requiring only a knowledge of high school algebra this course provides the essential of trig as applied to physics, navigation, surveying, and engineering. Over 465 problems with answers to aid the students progress. 204 pages. $41 / 4 \times 7^{\prime \prime}$. Clothbound. 10 F 31087 Shpg. wt., 7 or. .........Net 2.50

TEACH YOURSELF ELECTRONIC COMPUTERS by F. L. Westwater. Covers every aspect of digital computers in a lucid, interesting manner. Explains how a digital computer works and what It can do. Prepared specific. ally for laymen and beginning science and englneering students. Illustrated. 151 pages. 10 F 31327 Shpg. wt., 902.

51 pages
Net 2.50 TEACH YOURSELF ELECTRICITY by C. W. Wilman. Current, resistance, voltage, ohm's law, chemical effects of current, circuits, motors inductance, capacitance, transformers, coninductars, measuring instruments, etc. Over 250 problems. Illustrated. Clothbound. 184 pages.
10 F 31103 Shpg. wt., 9 oz.
Net 2.50
TEACH YOURSELF CALCULUS by P. Abböt puts calculus within the reach of anyone with an elementary knowledge of algebra and geometry. Presents simplified and shortened proofs to eliminate possible pittalls by the beginning student. Tables of circular meas. ures and hyperbolic functions. 380 pages. 10 F 31095 Shpg. wt., 11 oz. ... Net 2.50 TEACH YOURSELF THE SLIOE ROLE by 8 urns Snodgrass is a comprehensive course book enabling you to perform fast and accurate calculations with the slide rule. Full insiruction covering $A, B, C, D, L L, L, S, T$, and other special purpose scales. 20 illustrations. 80 problems, 207 pp. $41 / 4 \times 7^{\prime \prime}$.
10 F 31137 Shpg. wt., 6 oz. ........Net 2.50


THE PRINCIPLE OF RELATIVITY
by Albert Einstein Dover Publication. This collection of original papers on the special and general theories of relativity is an unaltered, unabridged translation of original papers of Einstein, Lorentz, Weyl and Minhowshi, 216 pages.
10 F 31178 shpg. wt., 12 oz.
Net 2.00
BASIC ELECTRONICS. Originally prepared by the U.S. Navy as a training course. Covers every important aspect of applied electronIcs, clearly illustrating important concepts, apparatus and techniques. 459 pages.
10 F 31319 Shpg. wt., 1 lb., 12 02. Net 2.95
INTROOUCTION TO ELECTRONICS. A U.S. Navy training manual in the fundamentals of electronics. Profusely llustrated with nearly 150 charts, diagrams, photographs, schematics, drawings, etc. 145 pages. Shpg. wt., 1102.

10「31285
Net 1.25

## HOBBY



The Scientific American Book of Projects for the AMATEUR SCIENTIST by C. L. Strong. A magnificent volume of meaningful experiments in major areas of science, astronomy. blology, natural sciences, earth sclences, nuclear physics, mathematics, electronics, etc. Measuring metabollsm in animals; studying hummingbirds; an electuic seismograph, simple magnetic-resonance spectrometer; amateur rochetry; homemade interferometer 256 illustrations. 608 pages.
10 F 75159 Shpg. wt., 2 lbs. 3 ol. Net 6.95


## SAMS PHOTOFÄCT FOLDERS

PHOTOFACT FOLDER. Covers almost all post war radio and TV sets, record changers, and hi-fi equipment, efc. In addition to schematics, each foider contains pictures of chassis indicating parts location, parts lists, aligning procedures and troubleshootIng tips. All folder sets are in stock. Use the free index llsted below to determine the folder set you require, Folder sets 1 through 300 are special orders, and will be shipped postpaid directly from publisher to you as long as available. When ordering. remit in full and specify 5 tock number 63F2 and the foider set number desired. When ordering Photofact folders No, 301 and above, specify stock number 64 F and the folder set number desired. Shpg. wt., each folder set, 15 -oz.

| STOCK NO. | PHOTOFACT NOS | EACH |
| :--- | :--- | :--- | :--- |
| $63 F Z$ | 1.300 | $3.25 *$ |
| $64 F$ | 301 and higher | 3.00 |

## -Shipped Postpaid

FREE ANNUAL INDEX. Helps you find the Sams Folder Set that contain the information you desire. Lists sets by make and model. Shpg. wt., 9 oz.
10 F 21229
FREE
BINDER FOR FOLDER SETS. This attractive, durable, black leatherette blinder holds 10 folders, Hardboard. Size, $91 / 2 \times 111 / 2 \times 6{ }^{*}$. 10 F 21237 Shpg. wt., 4 lbs. Net $6.00^{\circ}$

## REFERENCE DATA FOR RAOIO ENGINEERS.

 New 5th Edition. This updated data book is a reference llbrary in one fact-laden volume prepared under the direction of the ITI staff. $50 \%$ of the text is new material not covered in previous editions. It includes tables, formulas, standards, circult Information, charts, nomographs and diagrams. A truly time saving tool for the engineer, techniclan and student. Will be shipped postpald directly from publisher to you. Over 1100 pages, 1350 illustrations.10 F 239282
Net 20.00

## HOBBY BOOKS

ELECTRIC GUITAR AMPLIFIER HANOBOOX (2nd Edition). (No. 20694) by Jack Oart. Practical information for the musician and serviceman interested in musical amplifica. tion systems. Provides specific service information for commercial Instruments, schematics and detalled drawings of typical circuits. Describes faulty components, grid blas, voltages and wave forms in simple language, 160 pages. Shpg. wt., 8 oz .
10 F 22 254 $\qquad$ Net 3.95

## Howard W. Sams Books

## BOOKS ON TV \& RADIO - THEORY AND SERVICING

TV SERVICING MADE EASY (No. 20365) by Wayne Lemons. Clearly explains, in serviceman's language, how to solve the tougher types of TV troubles. Based on actual experiences and case histories. Shows how to trouble-shoot, analyze and repair problems. 160 pgs. $54 / 2^{\prime} \times 81 / 2^{\prime \prime}$. Shpg. wt., 902.
10 F 22698
Net 3.95
TV TUBE SYMPTOMS ANO TROUBLES (Sams 20476) by Robert G. Middieton. Second edition. A picture book of TV troubles caused by defective tubes, A handy 10 -page TV tube trouole chart teils which tubes to replace to correct specific troubles. Tube caused defects are clearly explained and depicted in photos. Illustrated. 96 pages, $51 / 2 \times 81 / 2^{\prime \prime}$. Shpg. Wt. 6 oz.
10 F 23282 $\qquad$
Net 2.50
TRANSISTOR-TV SERVICING GUIOE. (2nd Editlon). (No. 20696) by Robert G. Middleton. Provides full information on latest circultry and new test procedures. Lists symptoms encountered in each stage of receiver, and step-by-step procedures for analyzing and Isolating each picture and/or sound defect. I28 pages, $81 / 2 \times 11^{*}$. Shpg. wt., 1202.
10 F 24066
Net 3.95
TV SERVICING GUIDE (SAMS 20361) Trouble shooting procedures based on analysis of symptoms with plcture tube photos with possible causes for each symptom. 132 pages. $81 / 2 \times 11^{4}$
10 f 21401 Shpg. wt., 1 lb., 2 oz. Net 3.25 CLOSEO-CIRCUIT TELEVISION HANOBOOX (No. 20726 ) by Leen Wortman. Gives comprehensive detalled information In an easy-to-un derstand, up-to-date presentation. Sulted for those who plan to use, Install and service CCTV. Covers the subject from simple $\$ 400$ single-camera system to the most exotic systems. 288 pgs. Shpg. wt., 1 lb.
10 F 22425
Net 5.95
TUBE SUBSTITUTION MANOBOOK (13th Edition.) (No. 20768) by Sams Staff. Completely updated with over 12,000 substitutions for receiving and picture tubes. Instructions on how to make correct substitutions and how to cross reference for additional substitutions. 96 pgs. Shpg. wt., 6 oz . 10 F 23365

Net 1.75
how to read schematic olagrams (2nd Ed.) (SAMS 20568) by Donald E. Herington. Explains the purpose and meaning of various types of electronic equipment diagrams. Pictures and describes the different symbols used to schmatically represent electronic and house wiring components. Tells how to interpret diagrams and follow signal paths. 160 pages. Shpg. wt., 3 oz .
10 F 23381
Net 3.50
transistor raolo seavicing made easy.
No. 20442 by Wayne Lemons. Written to provide the kind of help needed to repalr tran. sistor radlos. Completely avolding theory. He guides you in learning repair techniques that will help you repair practically any transistor radio trouble in minutes. 144 pgs. $51 / 2 \times 81 / 2^{\prime \prime}$. Shpg. wt., 8 oz .
10 ₹ 21344 $\qquad$ Net 3.50
PRACTICAL TMANSISTOR SERVICING. (SAMS 20314) A guldebook to servicing all types of transistorized and all transistor equipment. Tells how the transistor works, circuit components and their functions, isolating trouble to a stage, normal transistor voltages, defective voltages and their meanings, servicing auto radios, and troubleshooting. 192 pages. $51 / 2 \times 81 / 2^{\prime \prime}$. Shpg. wt., 10 oz .
10 F 21351
Net 4.25
RAOIO SERVICE TRAINING MAMUAL by Ed-
ward RIce, Helps speed up the location of troubles in the complete field of radio receivers, including tube and transistor types of auto, home and personal sets. "Programmed" troubleshooting charts show how to quickly isolate any type of trouble to a specific component. HI-FI amplifiers and stereo systems are also included. 288 pgs S8fbound (20343). ShPg. Wt., 14-02. Hardbound (No. 20342). Shpg. wt., $11 / 4$ lbs. 10 F 22417
$1 / 2$ lbs.
Net 7.50

## ELECTRONIC SERVICING

FOR THE BEGINNER. (SAMS 20090). A practi cal method to learn basic trouble-shooting methods for radio. TV, hi-fl and stereo home-made and ham gear, etc. Learn by building equipment and then testing it. 160 pages. Shpg, wt., 4 oz
10 F 21450
Net 3.95

## HI-FI AND TAPE RECORDING

HOW TO BUILO SPEAKER ENCLOSURES (No, 20520) by Badmaleft and Davis. A thorough and comprehenslve book providing practical and theoretical information on constructing high quality speaker enclosures. Contains many detalled drawings and instructions for bullding varlous enclosures, Including testing techniques. Discusses drivers, horns and crossover networks. 144 pages.
10 F 23902 Shpg. wt., 9 oz. $\qquad$ Net 3.50
HI-FI STEREO HANOBOOK (3rd Edition). (SAMS 20565) Covers fidelity and distortion, amplifiers and pre-amplifiers, loudspeakers, baffles and enclosures, program source equip. ment, and system design. 288 pages, $51 / 2 \times$ 81/2"
10 F 23357 Shpg. wt., 12 oz. ........Net 5.50
TROUBLESHOOTING AUOIO EQUIPMENT (MO. 20525.) by Mannie Horowitz. Stage-by-stage analysis of audio amplifiers and preamps, both vacuum tube and transistor. Covers pickups, microphones, phase inverters and drivers, tone controls, equalization, tape re. corders and stereo systems. 160 pages. Shpg, wt., 902.
10 F 23308
Net 3.95
TAPE RECORDERS-HOW THEY WORK. 2nd Ed. (Mo. 20445) by C. Westcott and R. Dubbe Covers drive motors, volume indicators, bias oscillators, equalization circuits, amplifiers, and magnetic heads. Discusses frequency response, tape overload, bias settings and other subjects. 224 pages, $51 / 2 \times 81 / 2 \mathrm{~m}$. if-
lustrated. Revised.
10 F 23340 Shpg.
10 F 23340 Shpg. wt., 12 oz.
Net 4,50
aUOIO CYCLOPEOIA (2nd Edition). (No. 20675) by Howard M. Tremaine. The most comprehenslve and authoritative reference volume on audio covering ever phase of the subject. Includes the latest solid state and integrated circuits. Concise explanations of thousands of topics in acoustics, recording and sound reproduction. Covers basic principles, components and devices, film recording, studio techniques, audio installations, measurements and all phases of the audio art. Will be shipped postpaid directly from publisher. Over 1600 ilfustrations. 1757 pages.
10 F 241572
Net 29.95

101 QUESTIONS ANO ANSWERS ABOUT AUTO TAPE UNITS (20671) by Leo G. Sands. Easy-to-understand presentation of tape cartridge and cassette player installation, operation, circultry, maintenance and troubleshooting procedures. Deals with tape cartridges and cassettes. 72 pages. Shpg wt., 8 oz.
10 F 24082
Net 1.75
101 EASY AUOIO PROJECTS (No. 20608) by Robert M. Brown and Tom Kneltel. Contains complete discussion and Instructions for building simple, useful and inexpensive audio projects. Includes intercoms, wireless microphones, AM and FM tuners, telephone amplifiers, PA, reverbs, etc., with detalled schematic and parts llst for each project. 168 pages. Shpg. wt., 10 oz.

Net 3.50

# Howard W. Sams Publications 

## TEST EQUIPMENT

101 WAYS SERYES TO USE YOUR TEST EQUIPMENT. By Robert Middleton. Invaluable for all users of test equipment. Each volume contains data on hookup connections required, equlpment needed, test procedures, and evaluation of results. All $51 / 2 \times 81 / 2^{\prime \prime}$. Illus. All 2 and Editions.
101 Ways to Use Your Sweep Generator. 160 pages. Shpg. wt., 9 oz.
10 F 22135 (20511)
Net 3.50
101 Ways to Use Your Oscllloscope. 192 pages Shpg. wt., 6 oz.
10 F 22144 (20416)
Net $\mathbf{3 . 5 0}$
101 Ways to Use Your VOM and VIVM. 144 pages. Shpg-wt., $60 z$.
10 F 22151 (20510)
Net 3.50
101 Ways to Use Your Signal Generator. 144 pages. Shpg. wt., 6 oz.

Net 3.50
10 F 23522 (20548)
TROUBLESHOOTING WITH THE OSCILLOSCOPE. 2nd Ed. (20550) Dy Robert G. Middleton. Permits you to view and analyze instantaneous electronic circult actions. Applications in troubleshooting are actually unlimited, 192 pages.
10 F 23555 Shpg. wt., 6 oz.
Net 4.50

## TRANSISTORS

49 EASY TRANSISTOR PROJECTS (No, 20617) by Robert M. Brown and Tom Kneitel. Provides complete, easy-to-understand instructions for building simple projects, such as radios, intercom systems, light relay controls, timers, test equipment, etc. Complete dlagrams and parts lists. 64 pages.
10 F 23829 Shog. wt., 5 oz.
Net 1.75
ABC'S DF LASERS AND MASEMS (No, 20262). By Allen Iytat. Explains how these speclal semiconductors are used in micro-wave and ifigt frequency radlation application. Provides an understanding of Laser theory and its significance. $54 / 2 \times 81 / 2^{\prime \prime}, 128 \mathrm{Dgs}$. 10 F 23001 Shpg. wt. 6002
ABC's OF VARACTORS Sams (20508) by Rufus P. Turner. Introduction to varactors, special semiconductors acting as voltage-variable capacitance. Explains basic theory, typical circuits, and practicat micro-wave applications, as well as other use in receivers, transmitters and amplifiers. 112 pages. 10 F 23589 Shpg. wt., 802.

Net 2.75

MODERN DICTIONARY OF ELECTRONICS 3 F d Ed. (No. 20600). By Rudolf F. Graf. Revised. Includes more than 16,500 definitions applicable to electronics, special Prontuciation Guide, terminology expressed in Greek alphabet symbols, and electronic symbols and abbreviations. 608 pages, $6 \times 9^{\prime \prime}$. Hardbound. 10 F 23818 shpg. wt., 1 lb. .......Net 9.95
UNDERSTANDING ELECTRONIC CIRCUITS (NO. 20484). By F. J. Waters. Explains the basic electronic circuits used in most electronics equipment in simple terms. Iflustrated; very little technical jargon or math. 160 pgs. Shpg. wt. 902.
10 F 22367
Net 3.95
HANDBOOK OF ELECTRONIC TABLES AND FORMULAS (NO. 20648). (3rd edition.) Revised. up-dated and expanded. A one-step reference for all charts, tables. formulas, laws, symbols and standards. Full-color fold-out pages show assignments for the entire frequency spectrum. 232 pages. Hardbound. Shpg. wt., 10 or.
Hardbound.
10 F 23886
Net 5.50
ABC's CAPACITORS (No. 20097) by William F. Mullin. Tells what capacitors are and how they are constructed. Explains capacitor operating principles, their uses and methods of testing them. 96 pages. Shpg. wt. 702. 10 F 23860

Net 2.50
ABC'S DF ELECTRIC MOTORS GND GENERA. TORS No. 20186). By Allen Lytel. A basic introduction. Explains how they operate. 8oth $A C$ and $D C$ motors and generators are covered. 128 pages. $51 / 2 \times 81 / 2^{\prime \prime}$
10 F 21492 Shpg. wt., 8 oz.
Net 2.95
ELECTRICAL MOTOR CONTROLS \& CIRCUITS (No. 20163). By oavid Fuchs and Stephen Garstas. A complete handbook for Installers and maintenance technicians covering automatic and semlautomatic control circuits starting. speed reduction. reversal pilot de vices. protection. and control circuit design. Illustrated. 288 pgs., $51 / 2 \times 8 \frac{1}{20}$.
10 F 21872 Shpg. wt., 1402.
Net 5.75
ABC's OF THERMISTORS. (20765). By Rufus P. Turner. Deals in detail with this simple, but entremely useful, electronic component with which many technicians and hobbyists are unfamiliar. 96 pages.
10 F 24199 Shpg. wt., 6 oz.
Net 2.95

## AUDEL BOOKS

QUESTIONS ANO ANSWERS FOR ELECTRICIANS EXAMINATIONS (No. 23164). A comprehensive guide to preparing for the various electricians license examinations. Contains the required theoretical information and a thorough understanding of the deflnitions, specificatlons and regulations of the Natlonal Electrical Code. 288 pages. Shpg- wt., 1202.

## 10 F 24504

Net 3.95
HOME REFRIGERATION AND AIR CONOITION. ING (Ho. 23133). All the necessary data on modern units, systems, machines and refrigerants. Covers principles, operation and servicing procedures. 576 pages.
10 F 24512 Shpg. wt., 3Y/4 lbs. ... Net 6.95 WIRING DIAGRAMS FOR LIGHT ANO POWER (No. 23028). Explains in simple terms the wiring methods for practically all fields of efectricity. Includes hundreds of selfexplanatory diagrams. 320 pages.
10 F 24538 Shpg. wt., $11 / 4 \mathrm{lbs}$.
Net 4.50
HOME APPLIANCE SERVICING (No. 230t6). Covers all aspects of every kind of home appliance and how to make electrical repalrs. Includes vacuum cteaners, washing machines, dryers, irons, toasters, blenders, dishwashers, brollers, colfeemakers, fans, refrigerators, air-conditioners, ranges, and much more. Profusely íflustrated. 608 pages. 10 F 24546 Shpg. wt., $17 / 4 \mathrm{lbs} . . . . . N^{2} 6.95$

OIL BURNERS (No. 23151) Revised 2nd Edifion. Fully covers the theory of construction, instaltation, operation, testing, servicing and repair of all oil burner equipment. Includes combustion, lignition systems, electrical wiring and control diagrams. 295 pages. Shpg. wt., $11 / 2 \mathrm{lbs}$.
10 F 24553
Net 4.95
At CONOITIONING. (23159). By Edwin P. Anderson. Contains all the necessary data on air conditioning systems. Answers questions on the basic principles, servicing procedures, operation, and repair of air conditioning. 464 pages. Shpg. wt., 2 lbs. 10 F 24579

PRACTICAL ELECTRICITY (No. 23161) Re vised 2 nd Edition. Comprehensive coverage of electric theory, circuits, house wiring, lighting, heating, intercommunication and alarm installations. A practical, profusely ilfustrated quick ready reference. 486 pages. Shpe. wt., 2 lbs.
10 F 24561
Net 5.95
ELECTRIC MDTORS (No. 23150). Covers construction, hookups, control, maintenance and trouble-shooting of atl types of electric motors. A thorough guide to all considerations of the subject. 432 pages.
10F 24520 Shpg. wt., 2 lbs. ....... Net 5.95

ELECTRONICS EXPERIMENTS \& PROJECTS (No. 20194). By Len Buchwarter. Makes learning the princlples of electronics easy. Projects include a low power communications system, alarm detection device, weather station- and electronic computer. All easily assembled from inexpensive parts. 128 pages. $51 / 2 x$ g1/2". Shpr, wta 1008

## 10 F 21518

Net 2.95
HOW TO MEAR POLICE, FIRE, AND AIRCRAFT RadIO. (20718). By Len Buciwalter. A guide to VHF police, fire, and aircraft radio reception. Covers what there is to hear and the equipment necessary to receive It. Includes converters, receiver, and kits. Covers antennas and home and mobife installa. tions. 128 pages.
10 F 24207 Shpg. wt., 8 or. ........Net 3.50
SECURITY ELECTRONICS, (20767). BY John E. Cunningham. Gescribes the principles of various electronic devices and systems used in providing security. 160 pages.
10 F 24215 Shpg. wt., 802.
Net 4.50
ABC'S OF RADIO-FREQUENCY HEATING. (20747). By John Shields. Acquaints the technician and experimenter with technology of radio frequency heating. Discusses dielectric and induction RF heaters.
10 F 24223 Shpg. wt., 8 oz.
Net 2.95
BRIDGES ANE OTMER NULL OEVICES (NO. 20564). By Rufus P. Turner. Explains the basic theory of bridge circuits. bridges. and bridge resembling devices. Covers resistance, capacitance inductance, combination and r-f type bridges: Numerous actual use of these circuits are included. 144 pages. 10 F 23399 Shpg. wt., 10 oz. ....... Net 3.50
ELECTRONIC ORGANS (No. 20188). Pertinent specifications. schematics. and servicing Information on representative organs. 272 pages. $51 / 2 \times 81 / 2^{\prime \prime}$. Shpg. wt.. 13 oz .
10 F 21526
Net 5.75
ABC'S OF ELECTHONIC ORGAMS (2nd edition) (No. 20551). By Norman Crowhurst. Explains fundamental principles of electronic organs, including theory and operation. Includes chapter on maintenance and troubleshooting. 128 pages. $51 / 2 \times 81 / 2^{\prime \prime}$. Shpg. wt., 1002.
10 F 23431
Net 2.95
INVENTORS IOEA BOOK (No. 20232) by L. George Lawrence. Contains over 175 suggestions about specific needs of industry and technology awalting the attention of an inspired inventor. Ideal for the experimenter, technician, engineer or student. 128 pages. 10 F 22870 Shpg. wt., 7 oz.

Net 2.75

## COMPUTER BOOKS

COMPUTER CIRCUIT PROJECTS YOU CAN BUILD (No, 20084). By Lee Boschen. Details construction of 13 basic computer-eircuit projects explaining theory and applications. Gives working knowledge of fundamental computer circuitry- 144 pgs
10 F 21674 Shpg. wt., 802.
Net 3.25
ABC'S OF COMPUTERS (No. 20012). A basic introduction to computers. Explains what they are, how they operate, and what they can be expected to do. 144 pages.
10 F 23027 Shpg. wt., 802 . .......... Net 2.95
ABC'S OF COMPUTER PROGRAMMING (No. 20123). A kull introduction to the principles and applicstions of digital computer programming - from simple sub-programs 10 intricate assembly and compiter programs. $51 / 2 \times 81 / 2^{\prime \prime}-128$ pgs. Shpe. wt. 602.
10F 21690
Net 2.95
COMPUTER OICTIONARY (NO. 20102). By Charles sippl. Essential reference defining over 5000 terms and concepts of computer technology. Includes sources for computer equipment. personal training. factual discussions and listings of information on electronic data processing. 336 pages, $6 \times 9$ softbound. Shpg. wt., 1 tb. 10 F 23274

Net 5.50

HOW TO USE YOUR VOM-VTVM AND OSCIL LOSCOPE (No. 438) by Martin Cliford.

A guide for the everyday appli cation of the most frequenily used test instruments and how to get more rellable test re. sults in less time. 192 pages.
Shpg. wt. 1102.
10 F 41607


Net 3.95

## BOOKS ABOUT TRANSISTORS

SEMICONDUCTORS FROM A TO Z (No. 493) by Phillip Dahten. Everything you need know about everything in semiconductors. In. cludes basic diodes and transistors, FET's, integrated circuits, photo devices, varicaps, SCR and zener diodes and much more Explains operation, circuitry and applications in modern semiconductor technology. 256 pages. Softbound
10F 41706 Shpg. wt., $14 \mathrm{oz} . \quad$ Net 4.95 UNDERSTANOING SOLIO-STATE CIRCUITS (NO. 513) by Norman Crowhurst. Provides practical information and working circuits for the techniclan and knowledgeable hobbyist. Includes IC's, control circuits plus practical systems applications. 192 pages. Softbound. Shpg. wt. 12 oz
10 F 41755
Net 4.95
HOW TO FIX TRANSISTOR RADIOS AND PRINTED CIRCUITS (No. 504) 2nd Edition by Leonard C. Lane. The perfect reference and guide to the understanding and efficient repair of semiconductor circuits. 256 pages. 3oftbound. Shpg. wt., 13 oz.
10 F 41763
Shpg. wt., 13 oz. $\qquad$
$\qquad$ Net 4.9 WORKING WITH SEMICONDUCTORS (NO, 501) by Al Saunders. A working guidebook to the understanding of semiconductor circuits via the construction of breadboarding of experi-ment-type projects having practical applications. 224 pages. Softbound. 10 F 41771 Shpg. wt., 12 nT.

RAOIO-CONTROL MANUAL (No. 135) by E. $Z$. Safford, Ir.
Completely Revised. Principles of radio-control planes, boats, and cars; from super simple to super sophisticated. Circults (tube and transistor) you can build and use. 192 pares. Shpg
 10 F 41615

Net 3.95

## AUDIO AND HIGH FJDELITY

AUOtO SYSTEMS HANDBOOK (No. 494) by Norman H. Crowhurst. A down to-earth tech nical approach to the whole audio system. Covers amplifiers, equalizers, mixers, filters, distribution systems, program sources, reverberation, hl-fi home systems, pubilic address, speaker systems, acoustics and more. 192 pages. Softbound, Wt., 902. 10 F 41714

Net 4.95
HANDBOOK OF MAGNETIC TAPE RECORDING: Principles, Applications and Maintenance (No. 529) by Finn Jorgensen. Describes how to get optimum use from a recorder via speclalized techniques, maintenance and tape selection. 256 pages. Softbound. 10 F 41789 Shpg. wt., 12 oz . ...Net 4.95 INSTALLING AND SERVICING HOME AUOIO SYSTEMS (No. 505) by lack Hobbs. Covers the practical aspects of installing and servicing all kinds of audlo communications equipment used in home, buslness and industry via up.to-date information and techniques. 256 pages. Softbound. 10 F 41797 Shpg. wt., 13 oz . Net 4.95 SERVICING RECORD CHANGERS (No. 59). piscusses every functional assembly as a unit so that even beginner can iearn quickly. Illustrates intricate mechanisms. 224 pages. 10 F 41375 Shpg. wt., 1202. Net 4.95

## SUPREME PUBLICATIONS

## TELEVISION SERVICING MANUALS

For faster, easier TV repairs. Factory data on practically all sets. Complete circuits, alf needed alignment facts, wiring board vlews, waveforms, voltages, production changes, and double.page schematics. Size: $81 / 2 \times 11^{\text {N }}$. Shpg, wt., $11 / 2 \mathrm{lb}$.

| No. | Vol. | Year | Pages | Net |
| :---: | :---: | :---: | :---: | :---: |
| 10 F 51598 | C.29\# | 1969 | 192 | 4.00 |
| 10 F 51564 | IV-27 | 1968 | 192 | 4.00 |
| 10 F 51549 | TV-26 | 1967 | 192 | 4.00 |
| 10 F 51531 | TV-25 | 1966 | 192 | 3.00 |
| 10 F 51481 | TV-24 | 1965 $\dagger$ | 192 | 3.00 |
| 10 F 51499 | TV-23 | 1965* | 192 | 3.00 |
| 10 F 51010 | TV-22 | 1964 | 192 | 3.00 |
| 10 F 51028 | TV-21 | 1963 | 192 | 3.00 |
| 10 F 51036 | TV-20 | $1962 \dagger$ | 192 | 3.00 |
| 10 F 51044 | TV-19 | 1962* | 192 | 3.00 |
| 10 F 51051 | TV-18 | 1961 | 192 | 3.00 |
| 10F51069 | TV-17 | 1960 | 192 | 3.00 |
| 10 F 51077 | TV-16 | 1959 | 192 | 3.00 |
| 10 F 51085 | TV-15 | 1959* | 192 | 3.00 |
| 10 F 51093 | TV-14 | 1958 | 192 | 3.00 |
| 10 F 51101 | TV-13 | 1957 + | 192 | 3.00 |
| 10 F 51135 | TV-10 | 1955 | 192 | 3.00 |
| 10 F 51143 | TV-9 | 1955* | 192 | 3.00 |
| 10 F 51150 | TV.8 | 1954 | 192 | 3.00 |
| 10 F 51184 | TV-5 | 1951 | 192 | 3.00 |

MASTER INOEX For Supreme TV and Radio. 10 F 51192 Shpg, wt., 7 oz. - Free

## pRACTICAL RADIO AND ELECTRONICS COURSE

Complete home study course of 53 lessons for the beginner. Covers every topic of radio, electronics, with lessons on test equipment ${ }^{\text {FM. }}$. radio, and an introduction to TV, efc. 3 -in-1 volume includes all lessons, tes questions. $81 / 2 \times 11^{\prime \prime} \times 216$ pages.
10 F 51457 Shpg. wt., $1 \mathrm{lb}, 12 \mathrm{oz}$. Net 3.95
TELEVISION SERVICING COURSES. COVerS everything in TV. Easy-to-follow well illustrated lessons on ciruits, picture faults, shortcuts. UHF, alignment, antenna data and test equipment. Complete training in TV servicing. Profusely Hllustrated. $81 / 2 \times 11^{\prime \prime}$. 10 F 51218 Shpg. wt., $11 / 2 \mathrm{lb} . \ldots$ Net 4.00

## RAOIO DIAGRAM MANUALS

Simplify repairing. Cover home radios, stereo, combinations, transistor portables FM, auto sets. Large schematics, all needed alignment facts, printed boards, voltages, dial stringing, hints. $81 / 2 \times 11^{*}$. Shpg. wt. $11 / 2 \mathrm{lb}$.

| No. | Vol. | Year | Pages | Net |
| :---: | :---: | :---: | :---: | :---: |
| 10 F 51606 | 27 | 1967-1969 | 192 | 4.00 |
| 10 E 51556 | 26 | 1966 | 192 | 2.50 |
| 10 F 51507 | 25 | 1965 | 192 | 2.50 |
| 10 F 51226 | 24 | 1964 | 192 | 2.50 |
| 10 F 51234 | 23 | 1963 | 192 | 2.50 |
| 10 F 51242 | 22 | 1962 | 160 | 2.50 |
| 10 F 51259 | 21 | 1961 | 192 | 2.50 |
| 10 F 51267 | 20 | 1960 | 192 | 2.50 |
| 10 F 51275 | 19 | 1959 | 192 | 2.50 |
| 10 F 51283 | 18 | 1958 | 192 | 2.50 |
| 10 F 51309 | 16 | 1956 | 192 | 2.50 |
| 10 F 51317 | 15 | 1955 | 128 | 2.50 |
| 10 F 51325 | 14 | 1954 | 192 | 2.50 |
| 10 F 51333 | 13 | 1953 | 168 | 2.50 |
| 10 F 51341 | 12 | 1952 | 192 | 2.50 |
| 10F51358 | 11 | 1951 | 192 | 2.50 |
| 10 F 51366 | 10 | 1950 | 192 | 2.50 |
| 10 F 51374 | 8 | 1949 | 160 | 2.50 |
| to F 51408 | 8 | 1948 | 192 | 2.50 |
| 10 F 51416 | 5 | 1942 | 192 | 2.50 |
| 10 F 51424 | 4 | 1941 | 192 | 2.50 |
| 10 F 51432 | 3 | 1940 | 208 | 2.50 |
| 10 F 51440 | 1 | 1926-1938 | 240 | 2.50 |

AUTO RADIO DIAGRAMS MANUAL (NO. All-1). Covers all 1964.65 auto sets. Provides sche matics, alignment facts, complete service information. $81 / 2 \times 11$ ", 128 pages. Shpg. wt., 10 F 51515 Shpg. wt., $12 / 2 \mathrm{lb}$

Net 2.50
RADIO SERVICING BY COMPARISON. Introduces a remarkably simplified technique of radio repairing - the comparison method Voltohmmeter is only equipment needed -point-to-point circuit, cross-reference locates faults instantly. Applicable to any radio, old or new. 1000 service hints. Includes 26 large circuit diagrams. 48 pages, $81 / 2 \times 11$ 10 F 51200 Shpg. wt., 6 oz.

# HOW TO TEST... ALMOST EVERYTHING ELECTRONIC (No. 132), by Jack Dart. 

Practically every testing technique for almost every kind of electronlc equipment. Hun. dreds of illustratlons make text crystal clear. Softbound 160 pages. Shpg. wt., 9 oz. 10 F 41557

Net 2.95

## HOBAY BOOKS

ELECTRONICS MOBBYISTS" HANOBOOX (NO. 69) by Rufus P. Turner. Over 100 circuits for planning, designing and bullding your own electronic projects. Complete Parts list for each project. 160 pages. 114 illustrations. 10 F 41052 Shpg. wt., 9 oz. Net 2.95

RADIO-CONTROL HANDBOOK-REVISEO (Mo. 93). By H. G. McEntee. An up-to-date version of the handbook which has become the standard in the field. New Ideas for remote control of model boats, planes and cars by radio. Information on servos and actuators as well as receivers and transmitters. 304 pages. Shpg. wt., 1 lb. 160 pages
10 F 41425
Net 4.95
MODEL RADIO CONTROL (No. 74). By Edward L. Safford, Jr. Covers coders, decoders, transmitters, receivers, control systems, troubleshooting, etc.-from theory to practical hints. Tells how to bulld successful models. Iflustrated. 192 pages.
10 F 41227 Shpg. wt., 11 oz
Net 3.95
ADVANCED RADIO CONTROL (No. 122). Provides advanced techniques for the radio control enthusiast. A step-up from the previous basic R/C books. 192 pages. 10 F 41466 Shpg. wt., 10 oz........ Net 4.95

LEARN ELECTRONICS BY BUILDING (NO. 112) By John Schroeder. Learn electronics by bullding the units yourself, start with basic theory: finish by constructing amplifiers and receivers. An easy, practical approach for beginners of all ages 208 pages
10 F 41201 Shpg. wt.,. 11 oz.
Net 4.95

## RADIO AND T.V.-THEORY AND SERVICING BOOKS

BASIC RADIO COURSE (No. 104). By John T. Frye. Everything-Ohms Laws, capacitance, tubes, transistors and how they work in a receiver - practical servicing techniques discussed in a light-hearted style that makes what's being taught stick. 224 pages.
10 F 41342 Shpg. wt., 11 oz .........Net 4.95
RAPID RADIO REPAIR (No. 78). By G. Warren Heath. Symptoms, troubles and repair tech niques. Covers latest transistor sets, printed circuit repair, modular receivers, use of test instruments. 224 pages. Shpg. wt, 12 oz 10F 41359 Net 3.95
RAPIO TV REPAIR (No. 60). Handy, practical service manual which lists hundreds of "tough.dog" troubles alphabetically, many cross-referenced. Will help you cut down troubleshooting time. 224 pages. Illustrated. 10 F 41334 Shpg. wt., 11 oz.
3.95


## EVERREADY BATIERY

 APPLICATIONS AND ENGINEERING data BookContains all basic data on each Eveready battery now in production. Complete specifications, including dimensions,
weight, drain data and cross reference information. Profusely illustrated; charts, graphs and tables. 704 pages.
10 F 16013 Shpg, wt., 2 ibs. ... Net 6.00

## Engine Divided Slide Rules



## 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 OB Scale Complete with Belt Carrying Loop and Leather Case With 10" Scale
The Lafayette VECTORLOG Slide Rule provides a new concept in scientiflc calculation, incorporating scales and arrangement designed for quickeeasy manipulation. Twenty-seven (27) scales Incorporate the many problems encountered in Electrical Englneering and Physics. The unique $P, P$, and $Q$ scales allow direct sight 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 Hyperbollc Tangent Scale, the voltage do scale, and the five log Log scales, provide maximum coverage of these dynamic fields. VECTORLOG is the result of extensive tests for ease of manipulation. Several of these features are: C and D scales on both the front and back of the rule; sine scales in both degrees and radlans, removing the neces sity of bothersome conversion of units: a probiem-tested location of scales; and adjusted screws to allow variable tension on the slide Scales include: (FRONT) Tr-1. TR-2, P', P, Q, ST, S-1, S-O, C, D, LLO1, LL02, LLO3. LL1'; (REAh) Sh-1, Sh-2; DF, A, B, CI, CF, Th, C, D, LL3, LL2. db . With instruction book, leather carrying case, and belt carrying loop. Imported. Shpg. wt., $1 \mathrm{l} / 4 \mathrm{lbs}$


## 99 F 71029

Net 16.95

## (B) $133 / 4^{\prime \prime \prime}$ DELUXE LOG LOG DUPLI DECIMAL TRIGONOMETRIC SLIDE RULE

- With 11" Scale - 25 Scales with 8 Log Log Scales
- Extended Range Avoids "Going Off Scale"
- Extra P Scale Simplifies Computations - Two Color Scales

A log log dupli decimal trigonometric slide rule contains 25 scales including 8 Log Log Scales. Troublesome end-for-end resetting is 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 seale length each compared with ordinary log $\log$ slide rules. Extra features include $P$ scale which enables direct "readout" of cosine value. SCales include LLO1, LLO2, LLO3, DF, CF, CIF, CI, C, D, L3, L2, LLI, LLOO, L, K, A, B, S, ST, T, C, D, DI, P. and LLO, whith instruction books, saddle leather case. Imported. Shos. wt., $11 / 4 \mathrm{lbs}$. 99 F 70559

Net 15.95
USING THE SHDE RULE IN ELECTRONIC TECHNOLOGY. For detailed description of thls book see page 30 .
10 F 11626 Shpg, wt., 8 oz .
(C) $121 / 2^{\prime \prime}$ DECIMADYNETM SLIDE RULE

## A Dynamic Reactance Slide Rule

- With $10^{\prime \prime}$ Scale
- Automatie $\pi$ Multíplication on DF Scale
- Continuous Resonant Frequency Scale
- Dlrect Power Factor Read-out
- Simplifies and Speeds Up RLC Calculations Specialiy designed to speed up calculations for radio and electrica! communication engineering, for decibel, inductive reactance, capaci. tive reactance, resonant frequency, surge impedance, etc. Feature scales include: D8-for computation of electric communication cir. cult: DF and CF-same as D and C scales, except that they are "folded" at $\pi$ : Xc-for computation of capacitive reactance: XL-for computation of inductive reactance; $\mathbf{F}_{1}$ and $\mathbf{F}_{3}$-for calculating resonant frequency. The 17 scales are: DB, DF, CF, CIF, CI, C, D, A, XC, XL, K, KI, $S_{1} T_{1} F_{2}, F_{1}$, DI. With instruction book, leather carrying case, belt carrying loop. imported. Shpg. wt., $13 / 4$ lbs.
99 F 71284
Net 13.95


## (D) DECIMALOG ${ }^{\text {TM }}$ 61/2" LOG LOG DUPLI DECIMAL TRIGONOMETRIC SLIDE RULE

- P Scale (Pythagorean) permits direct "readout" of Cosine Values
- 24 Sezles including 8 Log Log Scales * With $5^{\prime \prime}$ Scale

A pocket version of our $13 \psi_{4}$ "Log Log Dupll Decimal Trigonometric slige rule. Contains all the scales of the 1334 " rule except the " $\$ T$ " 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: LL1, LL2, LL3. DF, CF, CIF, CI, C, D, LL3, LL2, LL1. Back face: LLO, L, K, A, B, S, T, C, D, bI, LLO, Engine divided rule of laminated, non-hygroscopic bamboo. Complete with instruction book and leather case with pocket clip. Imported. Shpg. wt., 802
99 F 70997
Net 7.95
99 F $70997^{\prime}$
(E) $121 / 2^{\prime}$
RULE - With $10^{\circ}$ Scale

Specially selected, Jaminated, nen-hygroscopic bamboo. Scales machine engraved on white plastic in permanentiy accurate calibrations. Adjusting screws permit varying tension on slide. 21 scales including C. D and CI on both sides. LLO and LLDO scales refer to B scale. All other scales coordinate and refer to D scale. Scales are L, LLI, OF, CF, CIF, CI, C, D, LL3, LL2, LLO, LLOO, A. B, K, CI, C, D, S, ST and 7 . scale characteristics permit multiplication, division, proportion, Inverse proportion, reciprocals, cotangents, squares, square roots, cubes, cube roots, logarithms, tangenîs, sines, PI factor multipilication and division, powers and roots of numbers less than 1, powers and roots of numbers greater than 1, logarithms to base "e." Shpg. wt., 1 lb . imported.
99 F 70310
Net 11.95

FRACTION ADDING MACHINE
$2^{95}$ $2^{95}$

Continuous adding or subtracting of fractions, decimal equivalents, or mixed fractions and decimals. Answers shown instantly. Invaluable for the shop and technical school, office, factory, machinists. designers, draftsmen, and engineers. Made of sat-In-finlshed aluminum-only one moving part -numbers and lines etched and filled for years of trouble-free service. Complete with plastic case and instructions. 13 F 17015 Shpe. wt., 402.

Net 2.95

# Drafting \& Drawing Supplies 



PRECISION DRAWING SET

- Center Wheel Adjustment
- Professional Quality
- Made in W/Germany of Nickel Plated Brass

Contains $61,0^{\prime \prime \prime}$ self-centering compass, one leg knuckle joint with divider, pencll, pen parts and lengthening bar; $61 / \mathrm{e}^{\prime \prime}$ self-centering divider; spring bow divider $41 /{ }^{\circ}$ ", center wheel adjustment with interchangeable needle points; spring bow pencll and spring bow pen, both $41 / 3^{\prime \prime}$ with center wheel adjustment and interchangeable needle point; two $53 / 3^{\prime \prime}$ ruling pens; extra handle for pen and pencil parts; adjustment tool; lead case and leads; and spare parts kit, all in fitted lined case. Shpg. wt., $11 / 2 \mathrm{lbs}$. 99 F 70039

## draftette PORTABLE


0.95

5

## TECHNICAL DRAFTING SET

- Precision Instrument

Model 9-B-sketch draft, design, draw diagrams and schematics like a professlonal, A new DRAFTETTE which gives you all the ad. vantages 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 cali. brated in 16 ths-1/8-1/4. Mounted on a $16^{\prime \prime \prime} x$ $21^{\prime \prime}$ drawing board, completely assembled ready to use. Shpg. wt., $51 / 2 \mathrm{lbs}$.
15 F 74011
Net 16.95


- Mounted on $11 \times 17^{\prime \prime}$ Hardboard Model \#\# 117 portable drafting machine with interchangeable one-piece aluminum $4 \times 6^{\prime \prime}$ scale, calibrated in 16 th, $1 / 4$ and $1 / 8$ or $10 / 50$ ths (eng.) and Metric. Full $360^{\circ}$ protractor. Precision all-atuminum construction gives you a rugged and accurate machine. Ideal for schematics, layouts, etc. 15 F 74060 Shpg. wt., $23 / 4 \mathrm{lbs}$...... Net 8.95


## PRECISION DRAWING SET <br>  <br> $13^{95}$

Made in Germany of hard rolled, nickel plated brass. All instruments are nested in a fitted, lined case. Contains three side whe $313 \mathrm{~s}^{\prime \prime}$ bow instruments-one a divider, one a pencll and one a pen. All have reversible needle point. $51 / 4$ " 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. Capsule with extra leads. Perfect for school. labs. Industrials. Shog wt.. 1 lb.
15 F 21046
Net 5.95
UTILITY DRAFTING SET'

- Side Wheel Adjustment
- Made in W/Germany of Nickel Plated Brass
- Professional Quality
- Includes 14 Drawing Aids plus 13" x 19" Basswood Board
An attractively designed drawing set. Consists of 14 drawing alds: $13^{\prime \prime} \times 19^{\prime \prime}$ 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, lettering gulde, architect's scalemaster, eraser and lead holder. Shpg. wt., 3 lbs.
15 F 14504
Net 13.95
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 $81 / 2 \times 11^{\prime \prime}$, pencil, all in one compact binder. Does not require tape or tacks to hold paper in place for use. Binder $91 / 2 \times 13 x$ $1^{\prime \prime}$. Shpg, wt., 2 lbs.

## 15 F 74029

Net 8.95

## Model $=300$ Professional Sketch Kit. Similar

 to above, uses $81 / 2 \times 14^{\prime \prime}$ drawing paper and is mounted in binder $141 / 4 \times 101 / 4 \times 1 "$. Shpg. wt., 3 lbs .15 F 74086
Net 10.95

## PROFESSIONAL GIANT BOW

- 6 " Size with Center Wheel Adjustment
- Finely BalancedProfessional Type
- Made in W/Germany of Nickel Plated Brass
Professional quality utility set in a fitted Ilned case. Made in Western Germany of nichel plated brass. 6" giant bow has preferred center wheel adjustment. Makes circles from $13^{\prime \prime}$ to over $10^{\prime \prime}$ in diameter. Set includes $6^{\prime \prime}$ giant bow, interchangeable pen and pencil parts, extra needle for using bow as divider, handle for use with pen and pencil parts, lead, lead box and repair parts. Shpg. wt. 1 lb.

Net 4.95

## PORTABLE DRAWING KIT



- Can Be Carried or Stored A folding portfollo 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 pencil. Plastic portfolio is $9 \times 131 / 2 \times 11 / 2^{\prime \prime}$. Tools housed in separate pockets. Shpg. wt., 2 lbs. 15 F 14330

Net 3.50
HARD MAPLE PANTOGRAPH
For Enlarging, Reducing, Reproducing


- "Quick-Change" Feature Allows Setting to Any Ratio
A 21 " adjustable pantograph with 21 dif. ferent ratios from $11 / 8$ to 8 . Enlarges, reduces or reproduces drawings, etc. Most rapld, accurate means of reducing 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, accessories and detailed Instructions. Shg. wt. 1 lb .

Net 5.50

## 31" PANTOGRAPH

Similar to above except $31^{\prime \prime}$ long, with 32 ratios. Complete with accessories and instructions.
15 F 56067
Net 7.50

## Drafting \& Drawing Supplies

## 11)

INSTANT LETTERING KITS
As Low As 300
Sharply defined $1 / 8^{\prime \prime}$ high, Gothic typeface, letters, numerals, and most often used elec. tronic terms. Transfer easily and cleanly onto any smooth, dry surface- paper, metal, plastic, wood, or glass. Not a decal, goes on instantly without water or tapes. Leaves no background haze or film. Looks like it was printed on! Hundreds of characters on $3 \times 5{ }^{\prime \prime}$ sheets in each set. Shpg. wt., 6 oz.

| Stock No. | Migr. <br> No. | No, of Sheets | Kit Includes | Color | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 F 75047 | 9581 | 24 | Letters, words Numerals | Black | 5.95 |
| 32 F 70554 | 9591 | 24 | Letters, Words Numerals | White | 5.95 |
| 32 F 750 \% | 9601 | 12 | Alphabets Only | Black | 3.00 |
| 32 F 75096 | 9611 | 12 | Alphabets Only | White | 3.00 |
| 32 F 75104 | 9621 | 12 | Numerals Only | Black | 3.00 |
| 32 F 75112 | 9631 | 12 | Numerals Only | White | 3.00 |

## METER AND DIAL MARKING KIT

Contains $125^{\prime \prime} \times 7^{\prime \prime}$ sheets- 4 different sheets in 3 colors, black, white and red. Sheets have switch patterns, arcs, graduation lines, letters and numerals etc. for marking rotary and standard switches and dials, etc.
32 F 75013 per package Net 5.95
DATAKOAT PROTECTIVE COATINGS. Maximum protection for Instant lettering, 1 oz.
32 F 75062 Protective Coating KIt $\qquad$ Net .99 32 F 75070 Protective Coating Kit (16 oz. spray can) $\qquad$ Net 2.95

## RUBBER TYPE SET

An easy to use printing kit that comes complete with 14 -point ( $1 / s^{\prime \prime}$ ) rubber type. 22 numerals, over 100 capltal letters. punctuatlon marks, ink pad and tweezers. Print anything from one to four lines long. Special "base-lock" type for perfect alignment. Neat, clean, and clear results. Many printing uses in the nome or business. Instructions included. Shpg. wt., $12 / 2 \mathrm{lbs}$. 3 15 F 60010 $\qquad$ Net 3.19
Extra set of ( $1 / 5^{n}$ ) rubbertype, 22 numerals, over 100 capital letters, punctuation marks.
P5 F 60002
Net 2.39
FAMOUS ARTISTS OIL PAINTING SET


Introduction to painting by Norman Rockwell. Four famous artists show how they would paint the same scene, Step by step instructions in full color tead beginner from first line to finished painting. Woodgralned, hinged cardboard case with metal latch and handle contains 8 tubes oll colors, permaiba white, palette, brushes, canvas panel and canvas sheets, easel elc. Shpg. wt., $34 / \mathrm{lbs}$. 15 F 59020

TACREA
TACROGRAPH SET
$5^{95}$

- with Three Nibs

top quality drawing pen for all lettering and drawing work, Uses both India and drawing inks. Precision point for constant flow tines. Slim, easy to hold pen comes with 3 color coded nibs. Fine (Size 0, Giey nib), Light Medlum (Size 1 Yellow nib), Very Broad (size 3, Blue nib). Ideal for your every artistic and mechanical need. Shpe. wt., 4 oz.
15 F 800261


Professional, quality Tacograph pen set Uses both drawing and India inks. 7-precision crafted points. With rubber sleeve for easy removal of nib. In attractive velveteen lined leatherette pigskin case. Nibs: White-00-very fine; grey-0-fine; yellow-1-light med.; belge-2-heavy med.; green-21/2-broad; blue-3-very broad; red-4-extra broad, Shps. wt., 8 oz.
15 F 800341

## LETTERING GUIDE SET

Made of transparent
 plastic. Use with el.
 ther shapp pencll or inh. Each has complete alphabet, numbers and conmmonly used signs. Set consists of six guides. Sizes $1 / 8,3 / 16$, $1 / 4,5 / 16,3 / 8$, and $1 / 2^{*}$. Shpg. wt., $3 / 4 \mathrm{ib}$. $15 \div 14322$ Complete Set

## LETTERING PEN

Reservoir type drawing pen. Designed for use with lettering guides from $1 / /^{\prime \prime}$ to $1 / 2^{\prime \prime}$ Shpg. wt., 3 ol.
15 F 14074
JON GNAGY'S TV MASTER ART STUDIO


This $14^{\prime \prime} \times 20^{\prime \prime}$ box is jammed full of art materlals and instructions; Includes 5 separate Instruction books: The 64-page "Learn to Draw" book whth over 200 illustrations to make it easy for beginning artists of all ages; 48 -page full color "Learn to Draw Landscapes"; 48 page in color "Learn to Draw Human Figures" and two 16-page fult color books on "How to Paint in Watercolors and Pastels." Includes the flexible 3 -dimensional "Matchstick Mannikin" to be used as a model for drawing figures in action, two 8 color watercolor pallettes in trays, 24 -colored pastels. brushes, paints, sketching paper and other materials. Shpg. wt., 4 libs.
15 F 59012
Net 4,95

Imported camel hair brushes, Sizes \# 1 through \#6. Each brush is 61/2" long with dif. ferent color handles. Excellent for cleaning tuners and

BRUSHES
 precision parts. Perfect for water color, cabinet touch-up, and sign lettering. Shpg. wt., 802. 15 F 78509

Net .8

## ELECTRONIC DRAFTING TEMPLATE



ELECTRONIC TEMPLATE. Exceptionally accurate! 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: $.030^{\prime \prime}$. Shpg, ort., 4 ors. 15 F 43016 $\qquad$ Net 2.59

FRENCH CURVE SET


Made of crystal clear plastic $.090^{\circ}$ thick. Set consists of elght French curves. Excellent for perspective, three dimensional drawIng and general applications. Wt., $1 / 2 \mathrm{lb}$. 15 F 14256



- 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 improved antennas of famous log perlodic design. Now you can easily install one antenna instead of three to obtain superb reception on VHF channels 2.13 . UHF channels $14-83$ and the FM band with one down lead. Ends unsightly roof clutter white providing strong, clear signals to improve the performance of any TV or FM set. For color TV and stereo FM. All antennas are preassembled with dowel reinforced aluminum snap-lock elements and goldenized finish for long lasting protection. Larger model features boom brace supports for greater rigidily. 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., 15 lbs.
18 F 01802 WX No Money Down*
Net 32.95
(8) 25 ELEMENT "FRINGE" ANTENNA

Range in miles up to: VHF to 125, UHF to 65, FM to 70.25 Individ. wal elements, 14 for VHF/FM, 11 for UHF. Has $1^{\prime \prime}$ square $10^{\prime} 1^{\prime \prime}$ boom. 18. F 01828 WX Shpg. wt., 9 lbs.

Net 21.95
C) 17 ELEMENT "SUBURBAN" ANTENNA
-Range in miles up to: VHF to 85, UHF to 50, FM to 55.17 Individwal elements, 10 for VHF/FM, 7 for UHF. Has $1^{\prime \prime}$ square $4^{\prime \prime} 8^{\prime \prime}$ boom. Shpg. wt., 7 bs.
18 F01836WX
Net 15.95
(D) 13 ELEMENT "METROPOLITAN" ANTENNA

Range in tniles up to: VHF to 60 , UHF to 30 , FM to 35.13 Individual elements, 6 for VHF/FM, 7 for UHF. Has $1^{\prime \prime}$ square $30^{\circ}$ boom. Shpg. wt. 5 lbs.
18 F 01844 W
Net 11.95


# TWIN-BOOM VHF-UHF-FM/Stereo Log-Periodic Antennas 

# ANTENNAS IN UHF-VHF-FM CHANNELS 2-83 

 Complete with VHF-UHF-FM Signal Splitter
## NO EXTRA CHARGE!

- One Down Lead for All 3 Signals
- Extra Long Super Sensitive Capacitor-Coupled VHF Elements for High Gain
- 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 Irequency independent design permits all elements to work together on both low and high bands for maximum front-to-back ratio and high do gain. Extra long up to 110", 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 directivity to bring sharpness and color brilliance to your screen. Disc-on-Rod UHF director system reinforces perform. ance of surface wave UHF driver on low end of uHF band. Improved impedance match obtained by unlque twin boom construction which combines mechanical rigidity with superior electrical performance. Utilizes single $300-$ ohm dowinlead. Rugged quality construction boasts $1^{\prime \prime}$ twin booms, heavy duty insulators, rust resistant hardware and lasting goldenized finish. Supplied 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 VKF/FM, 41 for UHF. Has heavy-duty $1^{\prime \prime}$ square "twin-boom" and boom brace support. Boom Length $15^{\prime} \mathrm{Z}^{\prime}$. Shpg. wt. 14 lbs.
18 F 02172 WX No Money Down*
Net 44.95

## (B) 45 ELEMENT "DEEP-FRINGE" ANTENNA

Range in miles up to: VHF to 150 , UHF to 80, FM to 85,45 individuat elements, 16 for VHF/FM, 29 for UHF. Has heavy-iluty $1^{\text {m }}$ square "Twin-8oom" and boom brace support. Boom Length 11 ' 2 ". Shpg. wt., 12 tbs.

Net 29.95

## 18 F 02180WX

## [C] 27 ELEMENT "NEAR 'FRINGE" ANTENNA

Range in miles up to: VHF to 100, UHF to 60, FM to 65, 27 individual elements. 12 for VHF/FM, 15 for UHF. Has heavy-duty $1^{* *}$ square "Twin Boom," Boom Length 7'10". Shpg. wt., 10 lbs .
18F 02198WX
Net 19.95

## (A) 495

VHF-To 200 Miles


## FOR VHF-UHF-FM/STEREO <br> CHANNEL 2 TO 83

LAFAYETTE "TECHNI-COLOR" HIGH GAIN COLOR TV ANTENNA

- One Down Lead for all 3 Signals
- With VHF-UHF-FM Signal Splitter
- Designed for "Deep-Fringe" Reception
- Rugged Goldenized Construction

Powerful High Gain 60-Element 82-Channel Antenna of new expanded design, increases capture area, gain, and front-to-back ratio. Improves impedance match and ghost rejection. Staggered tuned design on both the VHF and UHF bands insures Hat-broad band performance on all 82 channels plus FIM. This antenna provides the ultimate for color and black and white. Convenient behind-the-set splitter separates VHF-UHF-FM signals to individual terminations. Phasing harness integrated with boom, eliminates need for separate harness. Triangulated design mahes it mechasically rugged. Boom length $11^{\prime} 5^{\prime \prime}$. Less Mast. Shpg. wt., 15 lbs.
18 F 02206WX No Money Down*
Net 49.95

## LVL Log-Periodic Antennas

TV Antennas

# LAFAYETTE "Fringe Area" Antenna Outfits 

## - 20-40 FT. MAST <br> - FINEST COMPONENTS




## INSTALLATION ACCESSORIES

Delure Antenna Outfits feature Lafayette "Deep-Fringe" Log-Periodic Antennas. (See pages 308 and 309 for listing of antennas). Chosen oy experts to meet the most demand. ing reception problems-each kit contains pre-selected high-gain antenna, telescoping mast of heavy gauge galvanized steel, plus all components in kit " A " which includes a; universal base mount, lightning arrestor, $50^{\prime}$ ground wire, $3.71 / 2^{\prime \prime}$ mast standoffs, $5.31 / 2^{\prime \prime}$ wood screw standoffs, 5 -guy hooks, 5 -turn. buckle, ground rod. $200^{\prime}$ guy wire supplied with $20^{\prime}$ outtits; $500^{\circ}$ supplied with 40 outfits. $100^{\prime}$ twin lead supplied with all outfits except 82 channel VHF-UHF-FM outfits get $100^{\circ}$ of tubular twin lead. Optional Automatic Rotor package (KIt " $B$ ") IncludesAlliance U-100 Automatic Rotor, thrust bearing, additional $10^{\prime}$ antenna mast, $100^{\prime}$ of rotor cable. With instructions for top quality installation. Kits shipped express only.

## SAVE WHEN YOU BUY COMPLETE ANTENNA OUTFIT

Nothing else to buy. Available with or without automatic rotor, Buying a kit gives you substantial savings over the total catalog price of individual components if purchased separately.


CONICAL WINDOW
ANTENNA


- Ideal for Apartments
- All Aluminum Construction


## [A] VHF MODEL

Contains 4 full-sized elements plus 2 high frequency dipoles. Ideal for apartment building, hotels, etc., or wherever roof-top instal lations 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. wt., 3 lbs. 18 F 01380 W
[B] VHF/UHF MODEL
Same as VHF model plus 8 element UHF section.
18 F01646w Ne1 8.95
18 F 01398 Extension bar to $60^{\circ}$ 18 F 01406 Extenslon bar to $72^{\circ}$.

Net 1.59 Impmove Your Color TV Recemtion With Lafayette Antcunas
"PRIME AREA" VHF-UHF-FM ANTENNA


- Range Up to 30 Miles
- Complete with VHF-UHF Resistor Splitter
Receives sharp, clear pictures on all VHF, UHF Television channels plus FM/stereo. Features sturdy all-aluminum construction, dual high band directors, single downlead, snap-open assembly, and goldenized finish. Supplled complete with UHF-VHF resistive splitter. is F 02065 W Shpg. wt., $31 / 2$ los. Net 5.95

POWER BEAM VHF ANTENNA
 Finish

The ideal metropolitan and surburban VHF TV antenna. Broad-band, sharply directive. Full length elements, all aluminum construction, famous in-line design. 300 -ohm impedance match reduces stray reflections and ghosts. Fiterglass insulators for maximum sirength and weather protection. Less mount and lead in. Shpg. wt, $41 / 2$ lbs.
18 F 01026 WX
Net 7.95
 $46^{23}$

- Delivers Powerful 82-Channel TV Performance-COLOR or Black/ White and FM/Stereo
- Only One Downlead Into Your Home
- Utilizes Capacitor-Coupled "Cap-Electronic" Dipoles for Extra High Gain
- 'Features Twin-Boom Construction

Unmatched picture power and FM/Stereo from one powerful antenna! New improved Log periodic trapezold driver provides sharper UMF pictures, broadens response. "Cap Electronic dipoles work on both first and third harmonic modes to develop higher gain, narrower beam widths, and higher front-to-back ratios to achieve brilitant color and black and white on channels 2.83 -plus FM stereo. New staggered disc director system aids in trapping "tricky" stratified UHF signals. Simplified installation: single antenna covers entire VHF-UHF TV range, plus the FM band, with a single down lead. Model LPV-CL600N reinforced by powerful U.boom. Protective, gold alodized aluminum construction. Less mast.

| Steck. Me. | Model Mo. | Active Elements | Man:- | Range | In Miles | $\begin{aligned} & \text { Beom } \\ & \text { Length } \end{aligned}$ | Shps. wt. ib. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18 F 39224WX | LPV-CL600N | 39 | 185 | 90 | 100 | 1631/9" | 1612 | 46.23 |
| 18 F 39232WX | LPV-CL400N | 26 | 125 | 75 | 85 | $10734^{\prime \prime}$ | $112 / 2$ | 30.82 |
| 18 F 39240WX | LPV-CL200N | 20 | 90 | 55 | 60 | 830 | 8 | 18.08 |

## LDV-TV COLOR LOG PERIODIC VHF/FM ANTENNAS

## FOR CHANNELS 2-13 AND FM STEREO

- Cap-Electronic Dipoles Assure Fine Performance On All VHF Channels - Based On Patented Space-age, Log Periodic Design
- Twin Boom

Construction

Pulls in extra true color and sharp black/ white pictures-plus tru-fidelity FM through patented frequency-independent, log periodic design with cap-electronic dipoles. Maximum gain and directivity on ali VHF chan mels 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 ratio. "Flip-Quick" construction for quick easy assembly. Models LPV.TV130 and LPV.TV190 reinforced by powerful U-boom. All models gold colored alodized for, protection against weather and corrosion. Less mast.

| Stock No. | Model No. | Active Elements | Max. Range in miles | Lemgth | Stres. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18 F 38846WX | LPV.TV190 | 19 | VHF-up to 225 | 205" | 23 lbs . | 58.23 |
| 18 F 38820WX | LPV-TV130 | 13 | VHF up to 175 | 143" | 14 lbs . | 37.48 |
| 18 F 38804WX | LPV-TV80 | 8 | VHF up to 115 | 81" |  | 23.82 |
| 18 F 38796WX | LPV-TV60 | 6 | VHF up to 90 | 701/4" | $61 / 2 \mathrm{lbs}$. | 17.90 |

## $\int D$ LPL-FM LOG PERIODIC FM/STEREO ANTENNAS

- Up To $41 \%$ More Gain Than Conventional ' FM Yagis
- Uniform Gain Across Entire FM Band


312 Lafayette Cat. No: 710

- Super-Rugged
- Directional Sensitivity for Highest Interference Rejection

Triple Square Boom Construction

Log periodic array of L-dipoles pull in superior gain-provides extra high signat strength for FM and FM' Stereo-multiplex tuner circuits. Offers maximum rejection of reflected or multipath signals that cause stereo distortion. Elements provide a backfire radiation for superior $f / \mathrm{b}$ ratio. Frequency independent wideband response permits unvarying gain across the entire FM band. Low VSWR transfers maximum signal from the antenna to the set. Easy to assemble. Gold alodized colored construction protects against weather and corrosion. Less mast.

| Stock No. | Medel | Elements | Range in Miles | Shpg. wt. Ib. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18F38275wh | LPL-FM10A | 10 | 10175 | 13 | 33.02 |
| 18 F 38291wX | LPL-FM6A | 6 | to 125 | 8 | 19.80 |
| 18 F 38309wx | LPL.FMHA | 4 | to 75 | 6 | 13.20 |

# Super Colortron Antennas by Winegard 

"COLOR-WEDGE"
FOR SUPER POWER COLOR CH 2.83 AND FM STEREO

## Complete With VHF/UHF

 Signal Splitter

- 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 Anodized Throughout
- Super Rugged Truss Construction

Winegard Color-Wedge high gain, 82 channel antennas provide superb color fidelity, perfect black and white plctures and excellent FM stereo reception even in deep fringe areas. Extremely high front-toback ratio and sharp directivity insure ghost-free reception. Narrow vertical reception lobe prevents amtenna from picking up such interferences as airplane flutter, ignition 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 all-channel antennas with comparable gain. Antenna is gold anodized and performance is not affected by moisture. Super-rugged truss construction holds elements in perfect alignment and withstands the most severe weather conditions. Completely pre-assembled, easy to install. For extra power, use Super Colortron Cartridge Amplifier, See Ilsting below.

## HIGH GAIN 82-CHANNEL SUPER COLORTRON ANTENNAS FOR VHF-UHF-FM

Extremely high uniform 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 ohm terminal board (included) for weather-tight down-lead connection, for extra power, use Super Colortron Cartridge amplifier ilsted below.

| Stock No. | Model Me. | Elements | Max. Range in willes VHF UHF FM |  |  | Lengith | $5 \sin ^{5} \mathrm{E}$. | Wet |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18. 560618 wx | SC-81 | 23 | 90 | 60 | 85 | 81" | 10 | 29.25 |
| 18 F 60626 WX | SC-80 | 18 | 75 | 50 | 70 | $64^{\prime \prime}$ | 9 | 23.45 |
| 18 F 60634 WX | SC-79 | 13 | 50 | 40 | 55 | $44^{\prime \prime}$ | 7 | 18.20 |

## 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
Model AC-8238 Adds greater range to your Super-Colortron antenna with this solid state cartridge amplifier. Printed circuit design with long-life overlay silicon transistors, adds big signal boost right at point of reception. Helps pull in weak distant channels and delivers strong clean signals to TV set for crisp. clear, snow-free color and black and white. Slides perfectly into Super-Colortron cartridge housing on antenna. Includes connector and power supply that mounts on back of TV set. For 300 ohm lines. For 117 VAC, 60 Hz . Shpg, wt., 2 lbs. 18 F 60659
- See Pase I/ for Full Credit Details an Eusy Pay Plan

ONLY
$31^{24}$


# UHF TV Antennas for Channels 14-83 



LAFAYETTE PARABOLIC UHF ANTENNA Ultimate In Directivity - Rugged Construction Sharp Pictures Even In Fringe Areas

## 7-FT. DEEP FRINGE PARABOLIC ANTENNA

## - For Deep Fringe Areas

Advanced 7 ft. diameter antenna utilizes a parabolic design to achieve the highest performance characteristics attainable. Multiple element construction has extremely high front-to-bach ratio with narrow beam width to help eliminate ghost reflections - especially in fringe areas. All aluminum thick.wall assembly is fitted with vibration dampers for quiet high wind operation. For channels 14 to 83, Impedance: 300 ohms. Shpg..wt., 14 lbs. 18 F 01927 Wx

Net 32.95

## 5-FT. PARABOLIC UHF ANTENNA <br> - For Fringe Area

A 5 foot parabolic antenna which utillzes a signal drive broadband driver unit. The high front- 40 -back ratio eliminates the necessity of reflectors which shadow the center of the field. Signals reaching any part of the parabola are concentrated on the driver mounted at the exact focal point. This selective design provides up to 18.6 db gain. Back of reflector acts as a shield to reduce unwanted and reflected signals. Preassembled for easy installation. Small diameter, rugged elements with vibration dampers limit ice loading. All aluminimum with protective Gold Corodized finish. Shpg. wt., 8 lbs. 18 FO1901\%

Net 18.95

## PARA-PRO 27 ELEMENT UHF ANTENNA

- Add On To Present VHF Antenna-No Antenna Coupler Required - Range Up To 75 Miles


Low silhouette, high-gain periodic design requiring little space and orfering a minimum of wind resistance. Has 11 driven elements plus 16 parasitic directors for perfect, sharp color reception across entire UHF band. Comes assembled with all hardware for quick, easy mounting to existing mast. Shpg. wt., 4 los.
18 F 36113 W
Net 6.95

## UHF INDOOR ANTENNA



- Attractive "Bow

Tie" Design

> Decorator designed to blend perfectly with any interior. Black "bow ties" are sharply set off by the attractive golden grid. Provides excellent UHF reception; minimizes snow and ghosts; attaches to back of any TV set; uses $300 \cdot o h m$ lead-in wire. Shpg. wt., 2 lbs.

18 F 53240
Net 3.95

## LAFAYETTE UHF CORNER REFLECTOR

 For quality UHF reception even in fringe areas. High gain, sharp horizontal and vertical directivity ellminates "ghosts" and "snow," Rugged construction, large reflector screen made of highest grade aluminum tubing. "Fold-open" assembly. "Goldenized" finish for protection against weather and salt-air deterioration, Shpg. wt., 3 lbs. 18 F 01448 W

Net 4.95

## 4-BAY BOW-TIE UHF ANTENNA



- Completely Preassembled
- Excellent Directivity
- Flat Response Across Each Channel
Range Up To 50 Miles
Four bay, UHF bowtle antenna. Exceptionally high (12db) gain-relatively flat across the entire spectrum... Fully lactory assembled. Quickest and easlest to. install. High ef. ficlency screen grid reflector boosts front to back ratio. Unique "cross-over" phasing bars-open $V$ elements, Rugred-rigidcorrosion resistant construction. Shpg. wt., $43 / 2 \mathrm{lbs}$. 18 F 01422Wx

Net 4.95

## BLONDER-TONGUE "GOLDEN DART" UHF ANTENNA

 area-from 14 to 83 -the Dart dellvers sharp, clean pattern on every channel. Utilizes the logarithmic-periodic principle which is the modern approach to UHF TV antenna design. Maintains an excellent front-to back ratio (more than 20 db ). An extremely low VSWR prevents ghosts and smears. Completely preassembled, nothing to snap out, no screws to tighten. Rugged, unitized weided consiruction. Shpg. wt., $23 / 4$ lbs.

Net 4.95

## ATTACHABLE UHF-TV ANTENNA LOOP <br> - Fits all <br> Television Sets <br> 19

UHF indoor antenna has omni-directional pick-up for stronger signal reception. Simple to instatl, universal mounting lugs will fit twin lead terminals on any UHF converter or TV set. Shpg. wt., 5 oz . 18F38754

Net 1.19

## UNIVERSAL PORTABLE TV REPLACEMENT ANTENNA RODS

Exact replacement telescoping antenna rods for all indoor TV antennas. Easily replaces existing 4, 5 or 6 section broken or bent antenna rods. Heavy gaugechrome finished. Easily Installed with a screwdriver. Shpg. wt., 4 oz .
18 F 5400 ' 4 section $38^{\circ \prime}$ long .............................. 1.29
18 F 540175 section $38^{\prime \prime}$ tong
18 F 540256 section $40^{\prime \prime}$ long
Net 1.59

## FM TWIN LINE ANTENNA

Folded dipole type for indoor use, Six foot lead-in with spade lugs. Install be. hind cabinet, under rug, or any con. ceared place. Imported.
99 F 40297 Shpg. wt., 4 oz. ...... Net . 99


# FM Antennas for Superior Performance 

## - For Fringe Areas GOLDENIZED

High gain antenna design for the audiophile who seeks perfection in
FM reception. Extra elements on this antenna serve to pusl in stations where others fail. Trouble free operation even under severe weather conoltions. The fully automatic snap-lock brackets insure easy, rapid and secure instaliation, Boom Length: 72". Shpg. wt., 4 lbs.
18 F01497w
Net 6.95

## FM ALL DIRECTIONAL ANTENNA KIT

- Attaches To Existing TV Mast
- All Directional
- 40 Mile Range

Provides excellent gain for areas up to 40 miles from the station. Gold alodized aluminum. Complete with 50 ft . of $300-\mathrm{ohm}$ twin lead, mast standoff, screw eye standoffs, mast mount.
18 F 01323 W Shpg. wt., 5 lbs.
Net 5.95
FM ANTENNA ONLY. ShPg, wt, 3 lbs.
18 F01331W


Ideally suited to Multiplex FM reception. This 10 -element doubledriven, yagi array has the necessary added gain, senslivity and directivity to compensate for the lack of signal strength. All-aluminum goldenized construction. Fiberglas insulators. Torsion lock hardware sure-lock mast clamp. Boom Length: $128^{\prime \prime}$. Shpg. wt., 8 lbs. 18 F 01281 W

Net 11.95
FM ALL DIRECTIONAL ANTENNA


All direction reception-no rotators needed. Double mast mount -rugged, rigld parallel mounting. For use on all masts. Goldenized finish. Shpz. wt., 3 lbs.
18 F 01307W

Net 4.95


## ALL DIRECTION FMT-A KIT

\author{

- Receives Stations from All Directions <br> - Gold Corodized
}

Model FMT-A Mounts on present T.V. mast. An All Directlon FM Antenna deslgned 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. Kit supplied with 50 ft . of 300 ohm twin lead, two mast stand-off insulators, 3 Wood screw-eye stand-off insulators.

## 6 los.

stand-off insulators.
18 F 30280w Shpg. wt., 31/2 lbs.... Net $9.20 \quad 18$ F 30249 wx

## FINCO <br> WINDOW MOUNTED FM ANTENNA

- Ideal For Apartments, Buildings, etc.


## Only <br> $11^{16}$



Model 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 im. proved 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 extendable window frame mount will fit any window up to 42 inches wide. Shpg. wt., 4 lbs.
18 F 30462W
Net 11.1618 F 24028 W

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 notiit elements. Preassembled Shpg. Wt.,

FM STEREO MODEL FM-4G

- For Fringe Areas
- Gold Corodized


# Retanatr <br> Color VHF/UHF Indoor Antennas <br> "COLOR KING" 

COLOR CHAMPION UHF/VHF ANTENNA


- Features Color Tuning Loops and Power Boosters
- VHF-UHF Isolation Network Switch
Get clearer, sharper pictures on all $\mathrm{VHF} /$ UHF channels 2 thru 83, in color and black and white, plus FM stereo. Combined action of color tuning loops, power boosters, and 5 section $46^{"}$ 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. 18 F 12411 Shpg. wt., 5 lbs. Net 19.95

VHF/UHF ANTENNA

$12^{95}$

- Clear, Sharp Color/B\&W Pictures
- Special Color Phasing Loops and Color Filter Control Deluxe indoor antenna for color and black and white reception on all VHF and UFH channels. Perfect pictures insured by color phasing loops and color filter coupled with $46^{\circ}$ solld brass telescoping arms. 12 position picture correction control with silver plated contacts to clear up annoying "ghosts" and "snow" even in the most dif. flcult reception areas. Separate VMF and UHF transmission lines provides low.loss matched impedance. Atiractive styling in walnut or mahogany. Shpg. wt., $31 / 4$ lbs.
18 F 12221 Walnut
18 F 12239 Mahogany

Net 12.95
Net 12.95
Net 12.95

## "RADAR COIL"

## VHF/UHF ANTENNA

- For Color and Black \& White

Wherever an indoor antenna is necessary for both color and black-and-white allchanne! TV reception, the "Radar Coll"" will bring you clearer and sharper pictures. Powerful indoor antenna utilizes $46^{\prime \prime}$ long solid-brass 4 -section telescop. ing arms to provide efficient reception, plus 12 -position switch helps to elimi. nate ghosts and snow. A real beauty to grace any decor. Includes separate leads for VHF and UHF. Available in mahogany, or walnut finish base. Shpg. wt. $23 / 4 \mathrm{lbs}$.
18 F 12114 Mahogany Net 6.95 18 F 12122 Walnut

Net 6.95
"POWER-KING" VHF/UHF ANTENNA

- 12-Position Switch

Deslaned for both color and black-andwhite; all channels VHF/UHF 2 thru 83 , plus FM stereo $88-108 \mathrm{MHz}$. Combined action of unique concentric rings and long $39^{\prime \prime}$ telescoping arms help to eliminate ghosts, snow and interference for clear sharp black-and-white plus true-fo-life color reception. 12 -position station direction control effectively matches the antenna to channel frequency for optimum gain and all-directional pichup paltern. Slimline styling. Includes separate leads for VHF and UHF. Shpg. wt., 2 lbs. 18 F 12148 Mahogany Net 4.98 18 F 12155 Walnut
$6^{95}$


## FM STEREO/MULTIPLEX ANTENNA

Assures virtually drift and distortion. free FM reception. Strengthens weak stations and helps block out reflected signals and background nolse. Features $1 / 4$ wave 4 -section precision arms; $3 / 4$ wave induction coll; 12 position station direction control and a special noise flitering circuit for extremely effective performance. Provides strong reception over entire $88-108 \mathrm{MHz}$ FM band. Low sithouette slim.line styling. Shpg. wt. $21 / 4 \mathrm{Jbs}$.
18 F 12171 Mahogany ...........Net 6.95 18 F 12197 Walnut …................... 6.95

## TV COLOR COMPUTER



- Improve Performance of Any Roof Antenna
"TV Color Computer"-assures you of clearer, sharper, brighter picture reception on all VMF.UHF channels from your present roof antenna! Simply by setting a dial, the "Color Computer" electronically compensates for weather and atmospheric changes plus corrects signal mismatching between antenna and TV set. Antomatically simplifies color funing and virtually eliminates annoying ghosts and shadows strengthering picture color, contrast and brightness simultaneously. Easily in. stalled. Shpg. wt., 2 lbs. IA F 12395 Walnut 18 F 12403 Mahogany

Net 1295 Net 12.95

# Add Channels 14-83 To Your 12 Channel TV Set 

## BLONDER-TONGUE UHF CONVERTER/AMPLIFIER

BLONDER-TONGUE UHF COMVERTER
FINCO UHF CONVERTER


Model BTX-11A Now you can enjoy additional educational and regular UHF programing. This attractive solld-state converter adds all UHF channels ( 14.83 ) to your present TV. anywhere within the range of aHF 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 shlelded oscillator section for interference-free reception. AC convenience outlet. Complete with UHF loop antenna, connecting cable. Reliable patented tuner; spilceless, stripless terminals. For $\mathbf{1 1 0 - 1 2 0 V}, \mathrm{Hz}$ AC. UL listed. Shpg. wt., 2 lbs.
18 F 18319
Net 30.50

Model BTX-999 Keep abreast with the new look in TV programing. If your present ielevision has been dated by modern UHF reception, modernize your TV and allow for future expansion. Adds all UHF channels (14-83) to your B8W 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 tuner. Fine vernier illumintaed dial for easy tuning. Spliceless, stripless terminals. Complete with UHF loop antenna, connecting cable. For $110-120$ V. $60 \mathrm{~Hz}_{6} \mathrm{AC}$. UL Listed. Shpg. wt., 2 lbs. 18 F 18301 Net 20.15

Model U-VERT 100 All-transistor UHF con vertor provides clear, all-channel reception in metropolltan areas where you recelve a strong television signal. Adds all the UHF channels $(14-83)$ to your present TV set. Unit is housed in a sturdy, plastic, streamlined cablnet that looks like expensive furniture ... will actuatly enhance the appearance of any room as it sits on top of the TV set. Easy to instoil-all you need is a screw. driver and a few minutes of your time; ex. tremely simple to operate. Meets all FCC specifications. Overall cabinet size $8 \times 5 \times$ $31 / 4{ }^{\prime \prime}$. Operates with $110 \cdot 120$ volts. 60 Hz ., AC. U.L. listed.

## $\sqrt{\square}=0$

- All Angle Ball Sockets For Easy Positioning
- Features Color-Accented Dipoles
- 14-Position Picture Clarifier Control
Just filck the knob of this advanced indoor TV antenna and eliminate ghosts, snow and smears. Interacting impedance matching circuits work together with phased intersecting loops and adjustable ball. pivoted $45^{\circ}$ telescoping dipoles to pull In true-to-life color, and shamper black and white on channels 2 to 83. color accented dipoles. High quality polished chromated brass elements. Handsomely styled walnut colored tilit-proof base. Separate VHF and UHF twin leads. Shpg. wt., 3 lbs. 18 F 39208 Net 7.95


## $\sqrt{-D}$

## "LE MANS" COLOR VHF/UHF TV ANTENNA

(A) 4.SECTION DIPOLE ANTENNA

Tip prool base. 4 -section aluminum dipoles adjust for best picture on all VHF channels and FM. Handsome mahogany base. Tip-proof felt padded base design safeguards TV cabinet. Complete with 300.0 hm twin tine. Snpg. wt., $1 \mathrm{l} / 4 \mathrm{lbs}$. 18 F 3840 '

Net 1.69 (B) ASTRO-JET SWITCH-TYPE ANTENNA Dual direction-finding loops pult in stronger signats on UHF spectrum. 4 -section, 38 inch. telescoping dipoles provide VHF reception. Multi-position channel-selector switch reiects hosts, interference. Separate leads for VHF and UHF. Cushioned, tip-proof mahogany base. Shpg. wt., 2 lbs. 18 F 38853

Net 3.95 Similar to above for VHF/FM only. 18 F 38390

Net 2.95 C UNIVERSAL BEHIND-SET TV ANTENNA
For portable and console TV's. Excellent replacement. 5 -section, highly palished di. poles extend to $38^{\prime \prime}$ and have a $360^{\circ}$ swivel. Collapses behind set. With mounting screws. 18 F 11011 Shpg, wt., $1 / 4 \mathrm{lb}$. $\ldots .$. Net 2.39

- Features Color-Accented Dipoles
- 14-Position Picture Clarifier Control
- Clears-up Color, Black/ White and FM Stereo Deluxe indoor TV antenna for color, black and white reception. 14 position picture tuning control clears-up snow, ghosts and smears. Interacting impedance matching circults and adjustable ball-pivoted $45^{\prime \prime}$ telescoping color-accented dipoles deliver brighter, crisper pictures in color or black and white on channels 2 to 83. High quality pollished chromated brass elements. Elegant walnut colored tilt.proof base with walnut wood grain inlay. Separate
$\qquad$
 VHF and UHF twin leads. Shpg. wt., 31/2 lbs. 18) 39216

Net 12.95


## Folds Out <br> of Sight

 Up and Down Monitor 100 Uv. Universal replacement for all TV sets. Mudern adhesive sticks securely to wood, metal, or plastic. Mounts in seconds. Foldavay, 4 -section chromed dipoles disappear behind set when not in use. Excellent for UHF VHF, or FM. Separate UHF and VHF leads. Shpg. wt. 1 tb.18 F 16032 Sandalwood
Net 4.95

# Winegard Color TV-FM Boosters <br> 82 CHANNEL 2-TRANSISTOR VHF.UHF-FM <br> SOLID-STATE AMPLIFIER 



- 4-300 Ohm Outputs
- Perfect For Ch. 2-83 and FM Home System
- Excellent For Color Because Of Uniform Gain

Model BC. 382 highly efficlent TV-FM signal amplifier with overlay silicon transistors and printed circuitry. Dellvers full gain on all 82 channeis ( 5 db for VHF, 4.5 for UHF), enough to operate 1, 2, 3, or 4 sets. 15 db Isolation between outputs. Low nolse ( 6.2 db avg., VHF, 11.7 db avg., UHF), cuts snow even in deep fringe areas. Uses existing 300 -ohm downiead to the Input and has 4.300 ohm outputs with "no-strio" connections. In enamel steel case with connectors and instructions. 117 VAC. Shpg. Wt., $21 / 4$ lbs.
18.560733

Net 29.65
Model BC-782. Similar to above except for 75 ohms ; gain 6.5 db per output. Shpg. wt., $2^{1 / 4}$ lbs.
18 F 60741
Net 33.04
SOLID STATE VHF-FM 4-SET BOOSTER-COUPLER


- +7.1db Gain To Each Of 4-300 Ohm Outputs
- Recommended For Color and Black and White-
- Improves FM Reception
- 75 and 300 .ohm Inputs
Model BC. 234 makes a good home TV and FM system amplifier, of an ampllfied 4 -set coupler. Gain is +7.1 atil at each of the $4-300$ ohm outputs or +14 db at the single 75 ohm output. Uses tempera. ture stable overlay silicon transistors-long life, low cost operation. Flat response for perfect. color reception. No Interaction between sets. All metal housing, Includes connectors. 117VAC.
18 F 60758 Shpg. wt., $21 / 2 \mathrm{lbs}$.
Net 27.97
Modet BC-274 As above, except with 4.75 ohm outputs. Avg., rain 4 db per output. With connectors. Shpg. wt., $21 / 2$ Ibs.


## 18 F 60766 ..................................... 29.37

+25 db VHF-UHF-FM SOLID-STATE COLOR SYSTEM AMPLIFIER

$$
4,490
$$

- Will Drive 10 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 clrcuitry features silicon transistors in a unique grounded emitter circuit for excelient stability, sensitivity, and ultra-low noise 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 10 Hne 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 vented cabinet unit. Complete with coaxial connectors, hardware and bulttin 117VaC puwer supply. Shpg. wt., $21 / 4 \mathrm{lbs}$. 18 F 60709 No Money Down*

Net 44.90
Model CS-775 Separator-Joiner to attach single downlead to separate UHF-VHF inputs of DA-825A above. ShDg. wt.. $1 / 2 \mathrm{lb}$.
18 F 60824
Net 5.85
SUGGESTED OISTRIBUTION SYSTEM FOR ABOVE


# Color TV-FM Boosters 

TV and FM Boosters

## COLOR-BOOST TRANSISTORIZED VHF-UHF-FM ANTENNA BOOSTER

- 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 pictures; instantly Improve your FM reception. 2-transistor solid-state mast-mounted preamplifier overcomes downlead losses and rejects interference, match ing your roof antenna to your IV or FM set under all atmospheric and weather conditions. Gives 20 db boost to VHF and FM; 10 db to UHF. Designed for moderate to fringe area signals. Weatherproof outdoor housing mounts easily on any 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. ShpE. wt., 11/2 fos. 18 F 02149 Net 19.95

- 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 preamplifier for superb fringe area reception. Gives sharp color and clean black and white pictures without snow and interference plus provides a heathy boost to FM. Features exclusive lightning protection circuit, highest quallty components, and latest RF circuit techniques. Weatherproof outdoor housing has handy five-way mounting bracket and "no-strip" screw terminals. Separate power supply plugs into any 117 VAC., 60 Hz outlet. AC isolation transformer in the power supply eliminates shock hazard. Has single 300 ohm input and output.
18 F 02131 Shpg. wt., $11 / 2 \mathrm{lbs}$.
Net 13.95


## TRANSISTORIZED 4-SET VHF-TV/FM BOOSTER

- Amplifies Signals for Top Reception on Up to 4 Sets
- Easy to Connect and Economical to Operate

If your antenna isn't pulling in signals of sufficient strength then this Lafayette Booster Amplifier is just what you need. Screw-on terminals make wire connections easy, no cutting is necessary. Transistor circult runs cool, draws little current. Sigral strength is boosted 3 to 5 times. Will operate up to 4 TV and or FM sets on the same antenna. Input impedance is matched to anterna impedance. Needs no adjustment. Isolated outputs insure maximum set separation. Can be mounted in any convenient location where adequate ventilation is provided. Size $43 / 4 W \times 11 / 4 \mathrm{Hx} 31 / 2^{\prime D} \mathrm{D}$. For 117 volts, 60 Hz AC. Imported. Shpg. wt., 1 tb.

## 99 E 40115



## INDOOR 2-SET FM SIGNAL BOOSTER

- Ideal For Stereo ${ }^{\circ}$ And MonauraI FM Model 65.7, high gain, 20 dt (nomilual), low noise transistorized FM amplifier, designed to reject any strong signals outside the FM band to improve reception of weak FM signals in deep or medium fringe areas, even where strong local signals are present. Shock hazard is eliminated through the use of an isolation transformer. 300 ohm input and unique output board will drive 1 or 2, 300 . ohm sets. Compact, and easily mounted on set baseboard, or wherever desirable. Com. plete unlt measures: $13 / 4 \times 4 \times 41 / 2^{\mu}$ 18 F 30421 Shpg. wt., $11 / 2$ lbs.... Net 16.65
-Sec Pase I/ for Full Credit Details on Easy Pa!! Plau

FOR CHANNELS 2-13


- 4-300 ohm Outputs
- Clears Up "Ghosts" \& "Snow"

Model PC-4382CD VHF/UHF/FM Director 3 Transistor Amplifier. Improves performance of any VHF/UHF/FM combination antenna using one downlead. Broadband oesign. 300 ohm input splits to four 300 ohm outputs with 6.5 db gain per output. Network completely isolates each output and prevents interaction. Ultralow noise silicon "Noverload"r transistor circultry, Improves color reception. Easily mounts in any position on any surface. For $110-120$ VAC, 60 Hz . Size: $5 \times 31 / 2 \times 13 / 4^{\prime \prime}$. Shpg. wt., 2 lbs. 18 F 39166

Net 27.95
Model PC-4312CD Similar to above except for VMF - Ch. $2 \cdot 13$ and FM, 8 db gain per output.
18 F 39174
Net 18.95


Model SP-23s2CD VHF/UHF/FM Mast Mounted 3 Transistor Amplifler. 12 db gain on VHF and FM, 14 do 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 amplifier unit mounts on mast for high sig. nal to noise ratio. Compact power supply. Needs only me downlead from VH/UHF/FM antenna. For $110-120 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., 21/4 lbs.
18 F 39158 Mo Money Down* ...... Net 37.50 Model SP-2300CD Similar to above except for VHF-Ch. 2-13 and FM only. Power supply has built-in coupler to operate two sets. Gain/VHF-One set, $14 \mathrm{db}, 2$ sets 8.5 db at each output.
18 F 39182
Net 28.50

# BLONDER TONGUE TV and FM Boosters 



Homer $300 \mathrm{U} / \mathrm{V}$ 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. $300-0 \mathrm{hm}$ balanced input/ output impedance. Gain: At each of 4 outputs-VHF (ch, 2-6) 7.5 db . (ch. 7-13) 6.5 db ; UHF (ch. 14.83) 1.0 db . All terminals with stripless screws. Size: $3 \times 41 / 0 \times 150^{\circ \prime}$. For $110-120 \mathrm{VAC}, 60 \mathrm{~Hz}$.
18 F 18392 Shpg wt., 1 ib.
18 F 18392 Shpg wt., 1 lb ........................... 14.95
Homer $75 \mathrm{U} / \mathrm{V}$. Similar to above except for use with 75 ohm coaxial cable. Gain: At each of 4 outputs-VHF (ch. 2-6) 7.5 db , (ch. 7.13) 5.5 db ; UHF (ch. 14-83) 0.5 db .

18 F 18400 Ship. wt., 1102.
Net 17.35

## MAST-MOUNTING VHF-UHF-FM AMPLIFIER



Mast Mounted Unit


Indoor Power Supply $136^{\prime \prime}$. For 117 VAC .
18 F 18095 Shpg. wh, 2 lbs.
Net 35.25
Spanner-mast-mounted solid-state UHF YHF AMPLIFIER with remote power supply has single 300 -ohm twin-lead to the TV set. Use in strong UHF signal areas without overload, Built-In trap prevents TV interference Irom FM Stations. Lightning, static discharge, and power line surge protected. Gain; VHF (ch. 2-6) 12.5 db , (ch, 7 -13) 12 db ; UHF (ch. $14-83$ ) 7.5 db . Stripiess stainless steel screws. Single silicon transistor. For 105.129 V 60 Hz . Size: $21 / 8 \times 5 \mathrm{x}$ 37/5"; Power supply. $47 / 8 \times 31 / 8 \times 13 / 0^{\circ}$. For 117 VAC .
18 F 18426 Shpg. wt., $11 / 2$ lbs.
Net 20.95
MAST-MOUNTING 2-TRANSISTOR VHF/FM AMPLIFIER Horizon-solid-state, mast-mounted home TV amplifier with remote power supply. 2 -transisfor circuit brings in distant and local stations with sparkling clarity and no overloading. Built-in 2 set coupler, Gain: At each of 2 outputs-VHF (ch. 2.6) 9.5 db ; (ch. 7-13) 11 db . Hardware provided. 117 VAC . Size: $21 / 8 \times 5 \times 37 / \mathrm{s}^{\prime \prime}$. Power supply, $47 / 8 \times$ $31 / a \times 3 y \%^{\prime \prime}$ Similar appearance to above. 18 F 18103 Shpg. wt., $11 / 2 \mathrm{lbs}$.

Net 26.35

## AMECO NUVISTOR FM PREAMPLIFIER

 $29^{95}$Nuvistor Cascode FM Preamplifier is the ideal solution for weak, fading, and nolsy FM reception. Extremely easy to Install and operate; just connect

between your existing FM antenna and tuner or receiver with 300 ohm twin-lead wire. Contains its own power supply and ON/OFF indicator light and may be placed anywhere near the FM tuner. Once desired station is tuned on FM tuner, the control is also tuned to that station for optimum reception. Greatly helps to eliminate fading and background noise especially inherent in weak FM multiplex signals. Features two $60 S 4$ nuvlstors in cascode circuit. Size $5 \frac{1}{4} \mathrm{~W} x$ $3 \mathrm{H} \times 35 / \mathrm{mod}$. Power requirements $120 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., $21 / 2$ lbs. 21 F 20012

Net 29.95


# - Factory Lubricated for Life <br> - Reinforced Housing for All Weather Protection <br> - External Hardware Stainless Steel or Corrosion Resistant Materials 

(A) Model C-225 Automatic Rotor System with Transistorized Control Box. If an individual can lift and install his antenna, this Tenna.Rotor will support it, hold it, and rotate It. Accepts masts to $13 / \mathbf{s}^{\prime \prime} 0.0$. Guy wire accesses provide secure instaliation. Has patented offset feed thru design for greater strength to weight ratio. Control Case is completely transistorized featuring a patented phase-sensing bridge clrcuit designed from scientific laboratory test equipment. Completely slient operation and accurate repeatability. Slze: Rotator $73 / \times 41 / 2 \times 8^{\prime \prime}$. Control Case $61 / 2 \times 41 / 4 \times 5^{\circ}$. 115 V .60 Hz AC. 80 watts. Uses 5 Cond. Cable. Shpg. wt., 10 lbs . 18 F 14011 W

Net 35.97
(B) Model U-100 Automatic Rotor System. If an individual can lift and install his antenna, this Tenna-Rotor will support it, hold it, and rotate it. Acceßts masts to $13 / \mathrm{a}^{* \prime}$ O.D. Guy wire accesses provide secure installation. Control Box fully automatic, just set control knob and antenna rotates to desired position and stops automatically. Inand antenna rotates to desired positor shows position of antenna. Has positive mechanical stop at dicator shows position of antenna. Has positive mechancal 7 s. $115 \mathrm{~V}, 60 \mathrm{~Hz}$ AC at 65 Watts. Uses 4 Cond. Cable. Shpg. wt., 10 lbs 18 F 14037 W

- Will Handle the Largest Color TV Antenna In Winds In Excess of 90 M.P.H. Rotation Speed 1 R.P.M.
- Magnetic Brake for Instant Stops with No Drift - Full $360^{\circ}$ Rotation
[C]. Mocel 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 precision system that is unaffected by motor current, cable length and line voltage variations. improved electrical system with expanded meter scale. assures pin-point accuracy and easy-to-read antenna direction indication. $115 \mathrm{~V}, 60 \mathrm{Mz}$ at 70 Watts, Size: Rotator $73 / 4 \mathrm{x}$ $41 / 2 \times 8^{\prime \prime}$. Control Case $61 / 2 \times 41 / 2 \times 24 / 2^{\prime \prime}$. Uses 5 Cond. Cable. 18 F 14029 W Shpg. wt., 10 lbs.

Net 24.03
DJimodel K-22 Manual Rotor Systam. Economy model provides in. stant fingertip control of rotation. Push on end of bas and antenna turns clockwise. Push down on othei end and antenna turns counter. clockwlse. Automatic slgnal light indicates when limit of travel In ither direction has been reached. Size: Rotator $73 / / \times 41 / 2 \times 8^{\circ}$. Case $5 \times 5 \times 4^{\sim} .115$ V. $60 \mathrm{~Hz}, \mathrm{AC}$ at 50 watts. Uses 4 Cond. Cable. 18 F 14045 W Shpg. wt., 9 lbs.

Net 19.37
[E] Thrust Bearing Bracket. Increases stress capacity of antenna rotators up to 300 lbs . and is recommended for stacking antennas. Withstands winds up to 90 MPH. Prevents buckling and bending. Shpg. wt., 2 lbs.

## 18 F 14052

Net 2.97

## CORNEL DUBILIER ROTORS

## AR-22R AUTOMATIC ROTOR SYSTEM (units 1 \& 2)

Heavy duty rotor will handle antennas up to 150 lbs. Developed from years of experlence in the amateur radio fleld. Completely weather. proof and life lubricated. Simple automatic operation. Set the edgepit dial at the desired position and the rotor will automatically rotate lit dial at the desired position and the rotor will automaticaly rotate to this position and firmly brake in place. Reversible clamps will accommodate masts from. $7 / \mathrm{m}^{\circ \prime}$ to $2^{\prime \prime} 0.0$. Controi unit is marked in compass points. Housed In attractive Black Vinyl steel clad cabinet, dial edge illuminated. Complete with rotor, control unif and instructions. Uses 4 wire cable, For $110 / 120$ Volt, $50-60$ Hz A.C. Wt. 14 lbs. 42 F 86076 W No Money Down

Net 34.95
AR-33 SOLID STATE AUTOROTOR ${ }^{\text {rm }}$ (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 circuit with flve station pushbutton automatic control function, plus $360^{\circ}$ compass dial operation; pushbutton feature can be pre-set to select any five antenna positions automatically. Quiet operating solld state circuitry includes rugged slificon 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 $110 / 120 \mathrm{~V}$., $50 / 60 \mathrm{~Hz}$ AC. Shpg. wt., 16 lbs.
42 F ab100wxNo Money Down*
Net 49.95

$\qquad$
$\qquad$

2.SET VHF-UHF-FM COUPLER

- Up To 2 TV or FM Sets From One Antenna
- Low Signal Loss

4.SET VHF.UHFFM COUPLER
- Up To 4 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 between 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 channei (VHF-UHF) TV sets. $99-40339$ signal splitter required (see this pase). Imported. Shpg. wt., 802. 99 F 40313

Net 1.49

## 3-SET VHF TV/FM COUPLER



- Up to 3 TV or FM Sets On One Antenna


Highly efficient 3 set coupler. For coupling 2 or 3 TV or FM sets to one VHF or FM antenna of any type. No interaction-less than 6.0 db insertion loss. 40 to 50 do rejection ratio. Imported. Shpg. wt. $3 / 4 \mathrm{lb}$. 99 F 40107

LAFAYETTE LO-PASS LINE FIITER
Net 1.69

erptionally efficient line noise 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, funers, record players. Automatic attenuation of unwanted disturbances. For $110-125$ VAC, 60 Hz ; 350 watts max. Imported. Shpg. wt., 1 lb.

## 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 nolse, etc. Attenuation more than 25 db at 47 MHz . Only .5 db insertion loss. Imported.
99 F 40214 Shpg. wt., 502.
Net 2.39

> FINCO FM BAND PASS FILTER


MODEL 3007. Eliminates interference from citizen band, amateur operators, electric motors, aircraft, fluorescent tamps and auto ignition. Provides up to 40 db attenuation of all interfering signals outside the FM band. Less than 1 db insertion loss in 88 to 108 MHz band. Recommended to be mounted at FM radio set for maximum effectiveness but may be mounted anywhere in line for less serious applications.
18 F 30165 Shpg. wt., 5 oz . Net 4.38
322
Lafayette Cat. No. 710

Couples up to 4 TV or FM sets from a single TV/FM antenna. Excellent design gives high isolation between sets and low insertion loss. For color and black \& white. Easy to install, no-strip 300 -ohm input and output terminals, and mounting hardware, when used with 82 channel (VHF-UHF) TV sets. 99.40339 signal splitter required (see this page). Imported. Shpg wi., 802.
99 F 40321
Net 1.99

## INDOOR VHF.UHF SIGNAL SPLITTER



Back of set, VHF-UHF signal splitter. Adapts a singte all-channel 300 -ohm Iwinlead to a 82 channel TV set with separate VHF and UHF 300 ohm input terminals. Low insertion loss and high isolation between VHF and UHF bands Insures sharp pictures on color and black \& white. No-strip input terminals-includes pre-attached VHF-UHF leads. Imported. Shpg. wt., 302.
99 F 40339 Shpg. wt., $1 / 2 \mathrm{lb}$.
Net 1.49

## LAFAYETTE TV FILTERIZER



- Eliminates Most

Television Interference

Easily adjusted to remove any antenna-fed interference causing picture distortion: FM, diathermy. SW, Ignition, amateur/CB, ad jacent channel, etc. Does not attenuate signal. Acually tunes out unwanted signal. Matches any antenna. Metal case finished in black enamel. Easily installed. Size $4 \times 23 / 4 \times 11 / 2^{\prime \prime}$. Imported. Shpg. wt., 1 lb .
99 F 40172

## VIDAIRE COLOR GHOST

 ELIMINATOR

- Reduce Color Fringing

Get true color reception with this color ghost eliminator. Reduces or ellminates muitiple images (ghosts) in a picture. Reduce the effects of intermitting caused by strong signals of radio and TV transmitters in nearby areas. L-pad attenuator keeps constant 300 -ohm impedance. Adjustable for all channels.
18 F 80020 Shpr. wi. 1 lb.
Net 4.95

## VHF-UHF SEPARATOR and GHOST ELIMINATOR <br> 



Separate UHF and VHF signals at set white 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 heip eliminate a VHF ghost, throw switch to UHF and vice versa. Connects to back of set. Shpg. wt., $1 / 2 \mathrm{tb}$.
18 F 12387

Net 3.49

## 2-SET VHF-TV/FM COUPLER

## $59^{\circ}$



Use one antenna for two sets. Compact elec. tronic set coupler assures performance of two TV sets on one installation, Easy to con. nect. Imported. Shpg. wt., $3 \mathbf{o z}$. Indoor Use
Model HP50. Hi-pass wavetrap that eliminates ham, citizens' band, pollice, fire, marine interference. Low phrase shift ideai for color TV indoor or outdoor mounting. No-Strip terminals eliminate wire-stripping, splicing or cutting. Low insertion loss 300 ohm impedance. Shpg. wt., 402.
18 F 38200
Net 3.30
SUPEREX CLEAR PIX
 Interference Filter
Clear Pix by-passes most sources of TV in terference before they have a chance to enter your recelver. Picture and sound enter stripped of common types of man-made interference, oesigned for maximum interierence elimination at 27 MHz (citizens band). Reouires iust a screwdriver to install. 18 F 51088 Shpg. wt., $3 \mathbf{0 z}$...........Nel 1.39 Nel 1.39

(4)


- Low Insertion Loss - True Color Fidelity-Sharp Black/White-True Fidelity FM - No-Strip Terminals

Model SC42 Couples 2 TV or FM sets from one TV or FM antenna, Low insertion loss and high Interset isolation makes this unit ideal for use on COLOR or BLACK \& WHITE installations. No-strip terminals provided for quick connections. 300 ohms input and output. Supplled with wood screws for indoor use and insta-mount adhesive, When used with 82 -channel (VHF.UHF) TV set either Model SS-21 or $\$ \$-83$ signal splitter required at your set.
18F 38135 Shpr. wt., 5 oz . .......... Net 2.40 (2) 3-SET VHF/UHF/TV COUPLER

Model SC-62 Similar to above except couples up to 3 TV or FM sets from one TV or FM antenna.
18 F 38143 Shpg. wt., 6 oz.
Net 2.97
(2) A-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. wi., 6 oz .
18 F 38150
Net 3.30
(1 \& 2) 2-ANTENNA CDUPLER (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 F 38127 Shpg. wt., 8 oz.
Net 2.85

## (4) INDOOR VHF/UHF SIGNAL/SPLITTER

 , Motel SS21 splits VHF/UHF signal from all-channel 300 -ohm single downlead into separate VMF.UHF outputs. For leeding 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 aulckly with insta-mount adhesive.18 F 39083 Shpg. wt., 5 oz.
Net 2.40

## (4) INDOOR VMF/UHF/FM SIGNAL SPLITEER

Model SS83 similar to above except splits VHF/UHF/FM signal into separate VMF/UHF and FM outputs. Shpg. wt., 50 oz. 18 39091

Net 2.97

## (5) VHF/UHF SPLITTER 75-300 OHM MATCHING TRANSFORMER

Model MT-56 2 -way 75 to 300 -ohm matching transformer. Plus splits VHF/UHF slgnal from all-channel, single 75 ohm downlead into separate VHF/UHF outputs. For feeding into 82 -channel TV set with separate VMF-UMF antenna input terminals. With coaxial cable flttlng.
(5) VHF/UEF/FM SPLITTER 75-300 OHM MATCHING TRANSFORMER
Model MT-5e similar to above except splits VHF/UHF/FM sisnal into VHF/UHF and FM outputs. Shpg. wt., 6 oz . 18 F 39190

Net 4.17
2.WAY VMF/UHF/FM 75 OHM LINE SPLITTER (3) Model SC42-75 splits one 75 -0hm VHF/ UHF/FM line Into two 75 -ohm outputs. Also combines two 75 -ohm lines into one line. 3 mating plugs supplied.
If F 39109 Shpg. wt., 5 oz.
Net 5.50 4-WAY VHF/UHF/FM 75 OHM LINE SPLITTER (3) Model SC72.75 splits one 75 -0hm 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 supplled.
18 F 38117 Shpg. wt., 8 oz . ...... Net 8.70 (1\&2) TV/FM SPLITTER-COUPLER FM FILTER Model S\$TV/FM spllts FM signal from TV/FM signal to FM set and TV signal to TV set. ldeal for steres-prevents interference. Can also be used as FM bandpass which will admit clean RM signals only through to the FM tuner. Can also combine TV and FM antennas into a single system. Ellminates all TV, amateur and citizens band signal pickup by aatenna or transmission line. 300 -ohm impedance. With hardware 18 F 39125 Shpg. wt., 8 oz.

Net 3.30

## JFD VHF-UHF-FM COAXIAL CABLF MATCHING TRANSFORMER KIT

- 75-300 Ohm Impedance Match
- Includes Outdoor and Indoor Units
- Ideal for COLOR TV

Model MT-51 Complete kit of matching transiormers for installing TV \& FM antennas. For use with noise.free 75.0 hm coax cable. Weather-proof outdoor transformer matches any 300 -ohm antenna to $75-\mathrm{hm}$ coaxial cable. Indoor transformer at set matches the $75-\mathrm{hm}$ coax to the $300-\mathrm{hm}$ TV or FM set. Includes coaxial cable fittings. Shpg. wt. $1 / 2 \mathrm{lb}$. 18 F 38895

Net 4.20

## MATCHING TRANSFORMER KIT WITH VHF-UHF-FM SPLITTER

Model MT-59 similar to above except in. door unit has separate VHF/UHF and PM outputs. For feeding into 82 -channel iV set with separate VHF-UHF antenna input terminals plus FM set. With fittings. Shpg. wt ., $1 / 2 \mathrm{lb}$.
18 F 39141
Net 6.27

## BLONDER-TONGUE INDOOR VHF-UHF CABLEMATCH

- $75-0 \mathrm{hm}$ Coax to 300.0 hm Impedance Model 4564 cablematch VHF/UHF indoor matching transformer, especially sulted for matehing TV set inputs to a coax distribution system. Match 75 -ohm coaxial cable to 300 ohm input, Connectors: Two spade Jugs ( 300 ohms) and a solderless Type $\mathbf{F}$ plug supplled. For RG-59 type cable. Shpg. wt., 4 oz.


## 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. Shipg. wt., $21 / 2 \mathrm{lbs}$. 18 F $58075 \quad 50^{\prime}$ with connectors ....... Net 4.50 18 F $5808375^{\circ}$ with connectors ......... Net 5.95 18 F 58091 100' with connectors …......Net 7.50


Indror Unit
 Outdoor Unit

## LAFAYETTE INDOOR/OUTDOOR VHF.UHF.FM 75.300 MATCHING TRANSFORMER

- Rugged Weather-Proof Housing with Weather Boot


## - Ideal for Color TV

82-channel VHF-UHF matching transformer efficiently matches 300 ohm antenna or TV set to 75 -ohm coaxial cable. Weatherproof unit has lleads which attach directly to either antenna terminals on set. With connector. Shpg, wt., 4 oz. Imported.
99 F 40347
Nel 1.75


## LAFAYETTE OUTDOOR VHF-FM $300-75$ OHM MATCHING TRANSFORMER

- With Coaxial Fitting
- Ideal for Color

Coaxial cable matching transformer tor installing VMF-TV and FM antennas. For use with noise.free 75 -ohm coax cable. Matches $300-\mathrm{ohm}$ antenna to 75 ohm coax. With mounting bracket and fitting. imported.
99 F 40271 Shpg. wt., 6 oz.

## VIDAIFE SIGNAL ATTENUATQR <br> May be used with all TV sets troubled with excessive signat. Ellminates poor sync.

- Excellent Isolation - No Strip Terminals Model A-102U/V. Couples 2 TV or 1 M sets from one TV/FM Antenna. Low loss design and excellent isolation between sets prevents interaction. No strip terminals for use with $300-\mathrm{ohm}$ line, When used with 82 -channel TV set, with separate VMF-UMF antenna input terminals. Behind set slgnal splitter required (see $99-40339$ facling page). sturdy, non-breakable case, Shpg. wt., 502. 18 F 18322

Net 2.19
 multiple Inages, 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 justmple to install. Shpg. wt., 4 oz . 18 F 80012

## BLONDER-TONGUE 2-SET UHF-VHF-FM COUPLER



Model CMAsooss super-heavy palr of chimney mounts made of cast aluminum alloy. Extra strong and durable. Will withstand the most severe weather conditions. Two 12 ft . stainless steel $3 / 4^{\text {" }}$ straps and stainless steel seals. Six aluminum corner brackets to protect chimney bricks. The most ideal and permanent Installation for those who want quallty and durability. Will hold masts up to 2" 0.0
18. F 56012 Shpg wt., $37 / 4$ lbs. ..... Net 7.95 Same as above with 18 ' straps.
18 F 56277
Net 0.95

## HEAVY-DUTY 1.PIECE CHIMNEY <br>  <br> Completely preassembied

 chimney mount. One plece construction saves installation time. Extra heavy $12^{\circ} \times 3 / 4^{\prime \prime}$ strap, eye bolts and seals are stain less steel for extra strength and durabillty. With corner brackets to protect chimney. Heavy duty, embossed, 12 gauge main bracket is hot-dip galvanized. Takes masts up to $11 / 2^{\prime \prime}$ O.D. Shpg. wt., $71 / 4$ lbs.
18 F 63331

## RATCHET TYPE CHIMNEY MOUNT $4^{50}$

Fastens easily with an ordinary wrench. Two 12' heavy-duty stalnless steel straps assembled at one end. Two heavygauge brackets per set with serrated U-bolts. Easily assembled. Rainbow gold color rust preof finish. Accepts masts up to $11 / 2^{\prime \prime}$ O.D. Shpg. wi., $31 / 2 \mathrm{lbs}$.

Net 4.50

## 18 F63315

Same as above but with two $18^{\circ}$ straps. 1f F 63323 Shpg. wt., 4 lbs. Net 5.50
 mount for life-iong satisfactory service under the most severe conditions. " 2 " type heavy gauge aluminum brackets. Complete mounting kit of two 12' stainless steel $1 / 4^{\prime \prime}$ straps and stainless steel seals. Rugged, corrosion resistant mount accomodates masts up to $1122^{\prime \prime}$ O.D. Perfect for TV and FM antenna systems.
is F 65062 Shpg. wt., 21/4 lbs. _.... Net 3.50


CHIMNEY MOUNT

"2-MOUNT" design provides simple installatton and sturdy sup. port. Hot-dipped galvanized coat for protection. Takes up to $14 / 2=0.0$. masts. With 2-10 ft. stainless steel 5/8~ straps and seals. Shpg. wt., 21/4 lbs. 18 F 01653

## TV Antenna Mounts-Towers

A


F

(a) 12" WALL MOUNT. Completely constructed of steel, using extra heavy gauge steel tubing which will not bind. Protected against corrosion by the ALCOTE finish. Special "sure grip" U-boits. Holds mast up to $11 / 2^{\prime \prime} 0.0$. tripod leg for one section. (Set of 2.)
18 F 63059 Shpg. wt., 3 lbs. $\qquad$ Net 2.95

## ADJUSTABLE $18^{*}$ WALL MOUMT

18 F 63067 (Set of 2) Wt. $41 / 4$ lbs. Net 5.95
(8) $6^{\circ}$ SNAP-IN ALUMINUM WALL BRACKET Heavy gauge aluminum. Carriage bolts throughout. Full thread hex head lag screws. Masts just "snap-in" for easy handling. Tripod legs. (Set of 2.) Shpg. wt., $11 / 4 \mathrm{lbs}$. 18 F 65013
(C) "" STAINLESS STEEL WALL BRACKET. AI stainless steel construction for extremely long Ife. Provides $4^{\prime \prime}$ clearance from wall. With special shaped U-bolt to hold masts up to $11 / 2^{\prime \prime} 0.0$. (Set of 2.) Shpg. wt., 1 lb .
18 F 01968
Net 2.19
(C) 4" Wall bRACKET. Securely grips all masts from 1" to 11/2". O.D. Made of rust resistant steel. With hardware. (Set of 2).

Net .99
(D) G" SNAP-IN VEMT PIPE MOUNT. Snap in feature eliminates holding of mast white applying hardware. Single front locking carriage bolt for easy one hand tightening. Heavy gauge mount resists corroslon. (Set of 2.)
16 F 65070 Shpg. wt., 1 lb $\qquad$ Net 2.19
(E) PEAK ROOF MOUNY. A heavy gauge steel peak roof mount. Heavily plated to resist corrosion. Will accommodate masts up to $11 / 2^{\prime \prime}$ in diameter. Fully adjustable, can be gasily rotated. Complete with all necessary hardware. Shpg. wt., 2 lbs
18F53003 $\qquad$ Net 1.79
(f) ALL-ANGLE MOUNT. Permits setting of $1 / 2^{\prime \prime}$ to $11 / 4^{\prime \prime}$ masts at most sultable angle for maximum reception. Rust-resistant steel. with mounting hardware. Shpg. wt., 6 oz. 18 F 01992
(G) STAINLESS STEEL STRAP KIT. Repiace. ment kit. Consists of $212 \mathrm{f} .3 / \mathbf{4}^{\prime \prime}$ stainless steel straps, stainless steel seals, triangular eyebolts, lockwashers, hexnuts. Puts an end to rust and corrosion. Shpg. wt., $11 / 2 \mathrm{lbs}$. if F 63091

Net ea. 1.99


UNDER-EAVE MOUNT


Model YE-1 Permits mounting antenna to the underside of over-hanging eave. Can also be used as a sturdy self-supporting flat roof mount. Heavy gauge steel and Hot-Dlp galvanized for maximum corrosion resistance. One piece mounting of welded construction with a heavy gauge embossed steel diagonal support. Complete with installation hardware.
hardware.
ts 556038 Shpg. wi, 6 lbs.

## Net 4.95

HEAVY.DUTY TRIPOD


Heavy-duty, self-supporting irlood tower elliminates guying. Constructed of heavy ( $11 / 4^{\sim}$ O.D.) components embossed for extra strength and rigidity. Designed for convenlent mounting on all peak or flat rooftops. Exclusive adjustable slide permits mounting to randomly spaced roof rafters. Hot-dipped galvanized to provide utmost protection against corrosion or rust. Roof sealing watertight pitch patches supplied. Recommended for color TV Installation whera heavy multi-element antennas are used. Complete with pitch patches and hardware. Model MOT. 3 For $6^{\prime}$ tower. Use with $5^{\circ}$ mast 18 F 56285 w Shpg. wt., $91 / 2 \mathrm{lbs}$.... Net 5.95 Model NDT-5 For $12^{\circ}$ tower. Use with $10^{\circ}$ mast.
18 F 56293 wx Shpg. wt., 14 lbs. .. Net 9.50


## UNIVERSAL ALL-POSITION MOUNT

A strong self-supporting mount which adjusts to any position on peak, slope, flat, corner, or sidewall of building. Positive locking braces ellminate need for guy wres in most instaliatlons. Two plane adjust ment for true vertical alignment of mast. Made of heavy gauge hot dipped galvanized steel.
Model-APM Standard model for masts up tol $112^{*} 0.0$
18 F 56319 shpg. wt., $51 / 2$ los.
Net 3.95
Madel APM-LM Large model for masts up to $21 / 2=0.0$
18 F 56327 Shpg. Wt., $64 / 2 \mathrm{lbs}$.
Net 4.95

## TV Antenna-Towers-Masts-Accessories

## SPAULDING "STRATO TOWERS" <br> "EP SERIES" INSTALL ON GROUND OR ROOF <br> TELESCOPING TV <br> MASTS


"XCB"
TOWERS

High quality beaded channel construction. All riveted, no welds to rust. Rugged, zinc plated steel. More strengthless wind resistance at tower top. Top sections accept any rotator. All sections factory assembled. Each tower consists of one or more $8^{\prime}$ sections plus an $8^{\prime}$ mast, base plate, house bracket and mast kit assembly. Free standing instaitations require guying every $16^{\prime}$ Roof mount, and guy stations are extra

| Stock No. | Type | - Het. | Sect. | Weight | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18 F 73025x2 | EP- 2 | $22^{\prime}$ | 2 | 51 lbs. | 33.70 |
| 18 F $73033 \times 2$ | EP-3 | $30^{\prime}$ | 3 | 71 lbs. | 44.45 |
| 18 F $73041 \times 2$ | EP. 4 | $38^{\prime}$ | 4 | 90 lbs. | 53.65 |
| 18 F 73058×2 | EP. 5 | $46^{\prime}$ | 5 | 109 lbs. | 62.85 |
| 16 F $73074 \times 2$ | EPR-1 | Roof Mount Base |  | 2 lbs . | 4.70 |
| 18 F 73082×2 | GS-12 | Guy S |  | $31 / 2 \mathrm{ibs}$. | 3,95 |

## "XCB SERIES"-CYLINDER BASE

## NO CONCRETE REQUIRED

Extrame high strength, self-supparting towers. Self-alignIng hinge base for quick easy installation. Can be assembled on the ground and hinged up or built vertically, section upon section. All riveted $100 \%$ galvanized steel construction prevents rust. With 4 ft . base, hinged feet, $8^{\prime}$ mast, mast kit 8 ' tower sections.

| Stock No. | Type | Hgt. | Sect. | Weight | Net |
| :--- | :---: | :---: | :---: | :---: | ---: |
| 18 F $73090 \times 2$ | X-16CB | 23 | 2 | 89 lbs | 53.65 |
| 18 F $73108 \times 2$ | X-24CB | $31^{\prime}$ | 3 | 120 lbs | 66.45 |
| 18 F $73116 \times 2$ | X-32CB | $39^{\circ}$ | 4 | 155 lbs | 84.80 |
| 18 F $73124 \times 2$ | X-40CB | 47 | 5 | 184 lbs | 107.00 |
| 18 F $73132 \times Z$ | X-48CB | $55^{\circ}$ | 6 | 272 lbs. | 132.45 |

*Height includes antenna mast. Shipped F.O.B. Frankfort, Ind. No C.O.D. Send full remittance or use LaFAYETTE'S Easy Pay Plan, Shipping charges collected on delivery.

Heavy duty telescoping masts Ideal for any TV antenna array. Hotdip zinc galvanizing inside and outside provides unusual ruggedness and impenetrable corrosion resistance. Designed for easy installation and assembly. Husky bolts lock sections automalically. 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 $10-\mathrm{ft}$. sectrons for height up to 50 ft.: 0.0 . \#1 ( $11 / 4$ "). $\# 2$ ( $11 / 2^{\prime \prime}$ ). \#3 (13/4"). \#4 (2"). \#5 (21/4"). shipped express only.
50-FT, MAST-Consists of all 5 sections listed above: Nos. 1, 2, 3, 4 and 5. Helght 50 feet. Shig. wt., 36 ibs.
18 F 56095 WX
Net 18.95
40-FT. MAST-Consists of 4 sections, Nos. 1, 2, 3 and 4. Height 40 feet. Shpg. wt., $261 / 2$ ${ }_{18}{ }^{16}$ F 56103 WX

Net 14.95
30-FT. MAST-Consists of 3 sections. Nos. 1, 2 and 3. Height 30 feet. Shpg. wt., 19 lbs. 18 F 56111 WX

Net 10.95
20-FT. MAST-Consists of 2 sections: Nos. 1 and 2. Helght 20 feet. Shpg, wt., 13 lbs. 18 f 56129Wx

Net 6,95

## ALL ANGLE MOUNT

Swivel base mounts on any surface flat, slant, peak or wall. Heavy gauge weather-prooted steel. Takes any mast up to $21 / 4,0.0$ Complete with hardware.


18 F 56186 Wt.. 3 lbs. Net 1.95
 Heavy steel yoke for head. 4 ft .
18 F 72159w Shpg, wt., 2 lbs.
1.09


Heavy-Duty 16 Gauge gold alodized aluminum mast. recommended for larger color antennas. Shpg. wt., 3 lbs.
18 F 39257WX 10 feet
Net 3.29

## SUPER HEAVY-DUTY ALUMINUM MAST

Made of high strength aluminum alloy. Recommended for use with rotors and large antenna installations. Length 10 , ft . $11 / \mathrm{s}^{\prime \prime}$ O.D. Wall thickness full $1 / 3^{\prime \prime}$. Shpg. wt., 5 lbs. 18 F 56202WX

Net 5.95 1B F S6269Wx 10'。1142" O.D......Net 7.95 GOLD KOTE STEEL MAST

- Gold Colored to Match Most Antennas
Corrosion resistant steel mast sections made to fit all antennas. Made of rigid steel tub. ing with rugged high tensile strength, Highly protective gold colored baked enamel finish for lasting beauty and endurance. "Jam Fit" construction. 11/4" O.D.

| Stuck No. | Hst. | caute | WL, | Net |
| :---: | :---: | :---: | :---: | :---: |
| 18F63257W | 5 | 20 | 2 | 59 |
| 18 F 63265 WX | $10^{\prime}$ | 20 | 4 | 1.89 |
| 18 f $63273 W$ | 5 ' | 16 | 4 | 1.69 |
| 18 F 63281WX | $10^{\prime}$ | 16 | 8 | 2.89 |

## INSULATE WIIS

SIngle head wiring nails excellent for fastening 300 Ohm twin lead antenna wire to woodwork. basebgard, etc. Does not affect signal. "14x5/8" brown. Shpg. wt., 4 oz.
18F 02032 Box of 50 ..................Net 69

## STEEL GUY WIRE

Six strands of No. 20 high tensile strength


## 33 f 3101450 ft . roll. Wt., 1 it. 

 33 F 31030500 ft , roll. Wt. 10 M libs. 3.25
## VINYL COVERED GUY WIRE

6 strands of No. 20 -gauge high tensile strength galvanized wire, Weatherproof, non-stretch, long lasting. Ideal for TV guy wire, clothesline, and numerous garden uses. Translucent aqua green color.
32 F 3649450 ft . roll, Wt., $11 / 2 \mathrm{lbs} . . .1 .05$ 32 F 36502100 ft . roll. Wt. 3 los. ..... 1.98 32 F 36510250 ft . roll; wt., $71 / 2 \mathrm{lbs} . . .4 .82$

## ALUMINUM GUY WIRE

7.18 vauge stranded wires. Breaking strength 500 lbs.
34 F 46275100 ft. roll, Wt.. 2 ibs. ...... 2.65

## ALUMINUM GROUND WIRE

33 f 3104850 ft coil, Wt. $11 / 2$ lbs. ... 85 33 F 31055100 ft . coll. Wt., $21 / 4 \mathrm{lbs}, . .1 .69$ 33 F 31063500 ft. coll. Wt., 13 lbs. .. 7.95

## STEEL <br> TURNBUCKLES <br> 

(A) Takes up guy-wire slack. Rustproof gal. vanized steel. Size 7 5/a" open, $51 / 2^{\prime \prime}$ closed. Shpg, wit. 5 oz.
18F72175
.25
18 F 63299 Box of 10 , wt., 2 lbs. 1.95
(B) Hook and eye type used where quick removal is required. Shpg. wt. 502. 18 f 72183
18 F 63307 Bax of 10 , wt., 2 tos. . 25
double head insulated mails
Same as nails on left, but with double head. Recommended for all tubular and shielded 300 Ohm twin lead. $3 \times 3 / 4^{\prime \prime}$ brown. Shpg. wt. 502. 18 for 2040 Box of 50 . Net .89

## TV Installation Accessories


(1) "GRIP" GROUNO CLAMP, Makes vise-like grip on pipe. Sharp pointed screw makes perfect contact. Shpr. wt., $3 \mathbf{0 z}$.
18 f 82018
onta
Net 25
(2) COLLAR. Universally adapted to masts up to $13 / \mathrm{g}^{\prime \prime}$. Hardened cone points. Permits mast orientation when using ruy wires. Shpr. wt., 402.
18 \& 56061
Net . 59
(3) Floating guy Ring. Free-Floating. Will not bind Retains guy wire securely. Galvanized steel. Shpr, wt., 4025.
18 F 63182 For $11 / 4^{\prime \prime}$ mast. Pkg. of
18 F 63182 For $11 / 4^{\prime \prime}$ mast. Pkg. of 2
18 F 63190 for $11 / 2^{\prime \prime}$ mast. Phg. of 2
(4) GUY WIRE RING \& COLLAR. Cast aluminum floating guy wire ring and collar permilts complete orientation of the mast. Will fit masts up to $13 \mathrm{~m}^{\prime \prime}$. Shpr. wt., 7 oz.
18 F 81051
1.79

Same as above but will take masts up to Same
18 F 56079
1.99
(5) MOUNTING ACCESSORIES. Lag screw expansion shield. $100 \%$ rust proof. Shpg. wt.. for 10. 2 oz.
18 F 83032
Net ea. 14 Lots of 10, ea. 12 Lag bolts, $1 / 4^{\prime \prime}$ diam. shank $11 / 2^{\prime \prime}$ Iong.
18 F 81069
Net ea, . 06
Lots of 10, ea. . 05
(6) MAST GUY CLAMP. Has 6 guyinr points. A handy thing to keep in the lool kit. Will accommodate masts up to one and one-half inches in dia. Shpg. wt., 9 oz .
18 F 63216
.35
(7) 3-WAY GUY WIRE CLAMP. Fits masts up to $21 / a^{\prime \prime}$ diameter. Features 3 eye bolts for guy wire attachment. Made of heavy gauge steel. Shpr. wt., 10 oz.

## 18 F 63208

(b) BALL TYPE GUY WIRE TIGHTENER Sim 49 TIGNENER. Simply draw kuy wire through the "rrid-tite": loop wire back, and twist once. Provides easy method for adiusting and tightening guy wire. Cast zinc housing. Shpr, wt.. 6 oz . 18 F 01935
(9) CLOSEO EYE BOLT. For anchoring guy wires. Size: $1 / 4 \times 5^{\prime \prime}$. Shpg. wt., 5 oz.

## 18 F 63224

ea. 10 body construction. Strong aluminum alioy Fits cables up to $\mathrm{K}_{6}{ }^{\prime \prime}$ dia. Provides solderless and spllceless cable-loop termination. Shpg. Wt., 302 . pkg. of 2.
18 F67126
Net per Dkz. . 45 (11) MAST CLAMP. Notched retaining clamp holds 2 masts firmly in sturdy U-bolts. Galvanized steel. Wt., 5 oz.
18 F 01950
Net .39
(12) U BoLTS. Made of galvanized steel. Supplied with nuts and washers in place. Shpp. wt., 5 0z,
18 F 020242 pleces per pkg.
PkR. . 35 (13) QUICK CLIP. For speedy, simple attachment of antenna lead in to TV set. Can't short out. Shpr. wt. 4 oz.
18 F 02057 Phg. of 2
Ea. .45
(14) GUY WIRE HOOK EYE. Strong and permanent anchoring. Made of ralvanized steel. Av. shpe, wt., 4 oz.
18 F 020165 pieces per pkg.
Pkg. 49

wer lightning
PROTECTION KIT

- Complete!

Nothing
Else To Buy
$3^{95}$
Model GNO-ANT. DO-it-yourself kit to minimize lightning strikes to vour antenna. Directs and discharges excess to rround. Kit contains: 50 ft . heavy-duty electricalconductor type. aluminum ground wire. coD-pered-steel ground rod and clamp. U.L. Ifsted lightning arrestor, 6 ground wire nail fasteners, ground wire warning tag and complete detailed instruction sheet.
18 F $56194^{\prime}$ Shpg. wt.. 4 lbs.
Net 3.95


## (A) ECONOMY VHF/UHF ARRESTER

Model AT-131S saw.tooth washers grip transmission line securely without stripping or cutting wire. Designed for flat, tubular; oval or open types. Constructed of low-loss material that assures less capacity and inductance, resulting in less loading on UHF. With mounting screw and steel strap. UL Isted. Shpg. wt., 10 oz .
18 F 38010
Net .88

## (B) "LITTLE GIANT" VHF.UHF ARRESTER

Model AT-105 No wire stripping or spreading of the line necessary. For flat, round, oval or open twin lead. Small slize permits easy inside or outside mounting. Complete with ground lug and screws for wall or window sill mounting. Special high dielectric plastic construction does not vary line impedance, insures maximum signal transfer. UL listed, Shpg, wt., 9 oz.
18 F 38028
Net 1.29

## (C) DELUXE VHF-UHF ARRESTER

Model AT-110 fits all flat, round, oval, or open twin lead. Exclusive strain rellef lips mounts on mast, wall or window sill. Discharges antenna and lead-in static. Nickel plated brass hardware never corrodes. UL listed. Shpg. wt., 90 oz.
18 F 38044 screw type
Net 1.69
AT-110S with stainless steel mounting strap for plpe mounting.
18 F 38051
Net 1.95
(D) 4 WIRE ROTATOR ARRESTER with STRAP
Model AT-104S Chisel point contact eliminates stripping, tightening wing nut completes installation. For 4 -wire rotator leadin. Low-loss polystyrene case. UL listed. Shpp. wt., 1/2 lb.
18 F 38069 Singly
Net 2.19

## (E) 5 WIRE ROTOR ARRESTER

Model AT-106 Protects 5 -wire cables for automatic antenna rotors from lightning and static discharge. Easy to install in line, just sllp lead into place. With hardware for wall or window mount. UL Ilsted. Shpg. wt., $1 / 2 \mathrm{tb}$.
${ }_{18}$ F 38903
Net 2.59
18 F 38911 For pipe mounting

Net 2.89
(4) "CLIP-ON" STANDOFF. Attach to mast instantly- "Click" and they're on $31 / 2$ " Ionk. Av. shpg. wt., 4 oz. For I $1 / 4^{\prime \prime}$ mast.
18 F 017452 pleces per pkg. .......PKG. . 35
(5) SUPER NAIL INSULATOR. Takes flat twinlead or coaxial cables. Easily drives in brick, mortar, wood and even most concrete. Secure connection. $\mathbf{3 5 \%} /{ }^{\prime \prime}$ long. Shpg. wt., 402.
18 F 017522 pieces per pkr. PKG. . 35
(6) COLOR VHF/UHF SCREW-EYE STANDOFF,: For all UHF/VHF lines. 3 pcs. per pkR. $51 / 2^{\prime \prime}$ long. Shpr. wt.. 502.
18 F 01760
PKG. 59
(7) OPEN LINE STKNOOFF. Designed especially for use with open line transmission wire installations. Ideal for use as anchor point, spacer, etc. Polystyrene block and galvanized steel hardware. $5^{1 / 22^{\prime \prime}}$ nail type. Shpg. wt. 80 OL .
18 F 580675 pieces per pkr. ..... PKG. . 89 (8) STANO-OFF SUPPORT. Break resistant plastic-adhesive base. Attaches firmly to aluminum, brick, concrete-all surfaces. Use with any machine or wood screw-eye. 18 F 37012 Shpg. wt., 2 oz... Net ea. . 22 (9) COLOR INSULATORS. Converts most existink standoffs for color. Pke. of 6, wt. 4 oz. 18 F 01778


Eliminate radio and TV noise caused by household appllances, olf burners, motors, neon signs, etc. Just plug ilter in any wall outlet and TV or radio into filter and enjoy nolse-free entertainment; or plug noise producing appllance into filter and eliminate noise throughout house. Shpg.
wt. 4 oz.
18 : 19010
Net 1.19

## AUTOMATIC ELECTRONIC TV SOUND STABILIZER



## - Suppresses

## Blaring Sound Of

Most Commercials


This remarkable device maintains the sound level in any TV set, automatically compensating for the increase in volume when a commerclal is aired. Lights glow to show when the Equalizer is working. Only 2 wires to connect. Shpg. wt., 5 or
18 F 44018
Net 3.95

## MOSLEY UNIVERSAL <br> ROOF-THRU/ <br> 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-proaf housing molded of black cycolac for break-resistant strength. Easy to install with built on flange and rubber gaskpt. No roof cement needed. Shpg. wt., 502.

## 18 F 42079

Net 1.19


Fits all types or coaxal or twin-lead wires. Fits walls up to 11" thick. Requires $3 / 4^{\prime \prime}$ hole. Shpg. wt., 4 oz.

## I8 F 72019

Net ea. 1.19

## TWIN LEAD SPLICE

Speeds splicing without need for
twlsting or soldering. Shpg. wi. 2 oz
18 F 70096
Net .20

## SOLDERLESS TWIN- <br> LEAD CONNECTORS

Plug fits transmission line socket below. Shpg. wt. 2 oz.
99 F 40073
Solderless socket for above. Shpg-wt., 2 oz.
99 F 40081
Net ea.
Net ea. . 29


## TV SERVICE LITE

Keep your hands free. Spring clamp with rubber covered ends attaches anywhere in TV cabinet. 4y/a" highly polished aluminum reflector uses standard 25 watt bulb. Complete with 6 ft . cord and plug, less bulb.
18 F 17014 Shpg. wt., 1 1/2 lbs.



Duplez AC receptacle and duplex TV recep tacle on one 2 gang wall plate. Puts both outlets in one locatlon. Use with standard wall box. Ivory only. Shpr. wi., 6 oxs. 18 F 70062

Net 1.69
Molded 2 contact plug for 300 ohm lead.
18 F 7138 Net 22
4 wire rotor combination piates. Similar to above except includes 4 conductor rotor outlet in place of one 2 wire outlet.
18 F 70039 Shpg. wt 6 o2
Net 1.95
Molded 4 contact plug for rotator lead.
18 F 70054
Net .42
5 wire rotor combination plate. Slmilar to above except includes 5 conductor rotor outlet in place of one 2 -wire outlet.
18 F 70161 Shipg, wt., 6 oz.
Net 2.09
I F F 701795 con. plug for rot. lead. Net . 59

## BAKELITE <br> WALL 80X

Necessary for terminating $T Y$ lines in old or new wark. Knockouts top and bettom. Sturdy con-
struction with steel ears. Black standard size: U.L. Usted. Shpg. wt., 6 ozs.


Permits attaching any wall plate to wall openings without the use of all boz in up to $3 / 4^{-}$wall board or plaster. Shpg. wt., 4 prs. 18F70021 Net 49

## UNIVERSAL TV-FM <br> PLUG \& SOCKET

## $39^{c}$



Compact low loss -300 ohm plug and secket. Surface mounting socket - low loss polystyrene plug. Solderless screw terminals. Imported. Shpg. wt., 3 02.
99 F 40065 Plug \& Socket Lots of 3

(1)

(2)

(3)

## LAFAYETTE TV/FM WALL PLATES

- Fits Standard Outlet Box
- Complete with Plugs and Mcunting Bracket


## SINGLE TV/FM WALL PLATE

(1) Single TV/FM wall plate which can be used to neatly custom install an antenna system. Plug is polanzed and designed to accept a 300 -ohm twin lead line. Ivory finish. 99 f 40131 Shpg. wt., 4 oz. Net .89
DUPLEX TV/FM WALL PLATE
(2) A dual TV/FM wall plate designed to supply two signal sources. Can be used for two dif. ferent TV antennas each oriented in a different direction or a TV and FM antenna. Plugs are slotted for 300 -ohm twin lead. Ivory finish. 99 F 40149 Shpg. wt., 4 oz.

Net 1.09

## TV-FM ROTOR WALL PLATE

(3) Wall plate has 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 finish. Wi., 602.
99 F 40305
Net 1.19

## MOSLEY WALL-PLATE FOR HEAVY-DUTY TWIN <br> LEAD

## - Complete With Solderless Plug

Surface mounting outlet and plug for TV-FM and loudspeakers. A neat baseboard mounted outlet with plug. Fits 300 -ahm twin lead or speaker wire. Nickel plated brass hardware with set screw connectors. Unoreakable Ivory plastic, with mounting screws. Shpr. wt." 3 02.

## F 57259

Net .79

## ANTENNA CONNECTOR

For quick solderless connection of lead-In to TV antenna terminal. Fits $99-40081$ socket. Low-loss polystyrene and non-fertous -metal. Standard 1/2" spacing. Shpr. wt., 201. 18 F 42012


Solderless socket for above. 99 F 40081

- Complete With Plug, Wal! Bracket, Hardware
- Excellent For All 300-0hm Shielded Cable and Tubular Cable

For TV instaflation where heavy-duty twin-lead cable is used-shielded or unshielded. Low lass socket with solderless plug for easy Installation, may be mounted with wall mounting bracket or in standard outlat box. With polarized plur and watl mounting bracket. Shpg. wt., 602. 18 F 42020

## TV-FM COAXIAL WALL PLATES

## - For 75 Ohm Antenna Installation

lvory coaxial outlets, flush mounting espe cially designed for superior color and black/ white reception, provides a constant impedance match with 72 ohm RG 594 coaxlal cable. Complute with all connector, plug, mounting brackets. FIt all standard wall outlet boxes. Shpg. wt., 7 oz.

| Stock No. | Descridtion | Net |  |
| :--- | :--- | :--- | ---: |
| 18 F 42087 | 1 TV-FM Coax Outlet | 2.69 |  |
| 18 F 42095 | 1 TV-FM Coax Outlet | 3.69 |  |
|  |  | With 4- or 5-wire rotor |  |



Stock No.
Descridtion
1 TV.FM Coax Outlet
with 4 - or 5 -wire rotor
2.69
3.69

- Permits Splicing of Shielded 300-Ohm Twin-Lead
No need for twisting or soldering.
18 f 42061 Shpg. wi., 3 oz .


# Picture Tube Brighteners - Service Aids 



## UNIVERSAL TV TUBE "BRITENER"

Restores brightness to dim TV picture tubes. Operates on all types-magnetic or electro-static-and in alt circuits-parallel or series. For Duodecal Base. Shpg. wt., 8 oz . 18 F 46005 FIG. (A) ....................... 1.59

## UNIVERSAL $110^{\circ}$ CRT REJUVENATOR

A single heavy-duty unit which performs four ways. A simple adjustment adapts it for either series or parallei wired filaments and It can be used on electromagnetic or electrostatle focus tubes. Shpg. wt., 8 oz.
For Sylvania Type $110^{\circ}$ Tubes.
18 F 46013 FIC (C)
For RCA Type $110^{\circ}$ Tubes.
18 F 46021 FIG. (B)
Net 1.99
Net 1.99

## ACME T8394M VARIABLE VOLTAGE ADJUSTER

300 W. continuous duty variable trans-
former. Adjusted by
 rotary tap sw. Used as step up or step down. voltmeter shows sec. voltage. Pri. $95 / 100 / 105 / 110 / 120 / 125$ volts at $50 / 60$ Hz Sec . out $115 \mathrm{~V} .8^{\prime}$ cord and plug. Size: $43 / 4 \times 4 \times 5^{\prime \prime}$. Shpg, wt., 9 lbs.
33 F 40015

## AUTOMATIC TV VOLTAGE REGULATOR AS LOW AS <br> $8^{25}$

- Compensates For Low Line Voltage
For color or black and white TV. Returns fuli 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. Shpg. wt., 4 lbs. Perma-Power model 0-210, 400 watts 32 F 40058
Perma-Power model D-200, 300 watts.
32 F 40025
Net 13.40



## 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 outlet, and appliance into It. 600 watts. UL listed. Shpg. wt., 4 ox

Net 1.69

## HORIZONTAL

 BAR GENERATORProvides Horlzontal Lines On any T.V. Set-Quick-Accurate Alfenment

Simplifies precise setting of yoke. Makes possible accurate positioning of focus coil or magnet. Quick adjustment of vertical linearity, height and centering. Plugs onto pic ture tube. Shipg. wt., 4 oz.

## 18 F 27013

Net 1.79


Kit includes 1 each of the following values4.7, 5.6, 7.5, 9.0 and 22 OHMS. Shpg. wt. 5 oz.
501.
18 F 79048

| MALLORY RESET CIRCUTT | Stock No. | Mirs. Type | Break Curt. Amps | Oper. <br> Curr. <br> Amps. | $\begin{aligned} & \text { Surge } \\ & \text { Curr. } \\ & \text { Amps } \end{aligned}$ | Net Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BREAKERS | 33 F 14606 | CBT050 | 0.5 | 0.325 | 2 | 81 |
|  | 33 F 14614 | CBT075 | 0.75 | 0.49 | 3 | 81 |
| - Just Reset | 33 F 14622 | CBT100 | 1.0 | 0.65 | 5 | . 81 |
|  | 33 F 14630 | CBT150 | 1.5 | 0.975 | 12 | . 61 |
| - Not A Fuse- | 33 F 14648 | CBT175 | 1.75 | 1.14 | 12 | . 81 |
| A True | 33 F 14655 | CBT200 | 2.0 | 1.3 | 12 | 81 |
| Circuit Breaker | 33 F 14671 | CBT250 | 2.5 | 1.63 | 12 | 81 |
|  | 33 F 14689 | CBT275 | 2.75 | 1.79 | 12 | 81 |
| Exact replacement circuit breakers | 33 E 14697 | CBT300 | 3.0 | 1.95 | 12 | 81 |
| for television and industrial appli- | 33 F 14705 | CBT310 | 3.1 | 2.1 | 25 | 88 |
| cations. Button must be pressed to | 33 F 14713 | CBT325 | 3.25 | 2.11 | 25 | 88 |
| reset. Trippling mechanism is tem- | 33 F 14721 | CBT350 | 3.5 | 2.2 | 25 | 88 |
| perature compensating for con- | 33 F 14739 | CET375 | 3.75 | 2.44 | 25 | 88 |
| stant protection. Normal tripping | 33 F 14747 | CET400 | 4.0 | 2.6 | 25 | 88 |
| time is 10 seconds or less. All | 33 F 14754 | CBT450 | 4.5 | 2.92 | 25 | 88 |
| values above 3-1 amps have special | 33 F 14762 | CBT500 | 5.0 | 3.25 | 25 | 88 |
| heavy-duty contacts to withstand | 33 F 14770 | CBT600 | 6.0 | 3.9 | 25 | . 88 |
| heavy surge currents. Twist tab | 33 F 14788 | CBT700 | 7.0 | 4.14 | 25 | 88 |
| mounting lugs. Adapter for bushing mount listed below. Shpg. wt., 4 02. | Type CBB adapter for bushing mount. bushing $3 / 8^{\prime \prime}-32 x^{1 / 4^{\prime \prime}}$ with nut. <br> 33 F 14796 <br> Net .16 |  |  |  |  |  |

## COLOR PICTURE TUBE BRIGHTENER

## - Boost Fading Color Picture

 Tubes- No Wiring Necessary-Plugs Right in
Bring out the lost sharpness and detall of fading color picture tubes. Electron emission is Increased by boosting the fllament voltase, thereby returning full contrast and color quality to the set. Plugs in between picture tube and socket. No wiring or switching is necessary. For round tubes (12 pln base).
18 F 46070 . Shpg. wt., 1 lb. Net 4.95
For rectangular tubes ( 12 pin base). 18 F 46088 shpg. wt., 1 lb.

Net 5.95


## TV SERVICE EXTENSION HARNESS KIT

Makes posslole 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 anode extension harness, yoke extension harness, tube socket extension harness and sturdy plastic carrying case. CRT extension is for both electrostatic and electromagnetic tubes. Shpg. wt., 1 lb .
18 F 27088
Net 4.80
Color Extension Marness Kit. Similar to above but designed for color TV. Shpg. wt., $11 / 4$ lbs. 18 F 27211 ....................................... 10.50


6 ft . brown replacement cord. It has reguiar molded plug on one end and special rubber plug on the other to fit TV sets. UL listed. Shpg. wt., 4 oz.
18 F41014
Net .39
Same as above but with polarized terminals at both ends.
18 F 74015 Shpg. wt., $1 / 2 \mathrm{lb}$.
Net .49

## INTERLOCK TV CWBE LINE SOCKET <br> 

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 .
Shpg. Wt..
$18 F 27187$
Net .19

|  | CIRCUIT BREAKER REPLACEMENT FOR TV FUSES <br> - Stop Fuse Replacement <br> Circuit breaker replacement for TV color-coded TV fuses used in many TV sets. Circult breaker can be reset as often as needed. When ordering, order same color as fuse removed from TV set. Shpg. wt. 40 oz. |  |
| :---: | :---: | :---: |
| Stock No. Color | Stock No. | Color |
| 18 F 31130 Red | 18 F 31197 | White |
| 18 F 31148 Dk, Green | 18 F 31205 | Li. Green |
| 18 F 31155 Blue | 18 F 31213 |  |
| 18 F 31163 Pink | 18 F 31221 | Yellow |
| 18 F 31171 Black | 18 F 31239 | Maroon |
| 18 F 31189 Turquoise | 18 F 31247 | Brown |

# TV Degaussers, Tuner Cleaners, Antenna Switches 

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 applied without removing chassis from the cabinet. Will not harm plastics or electrical insulation or detune the tuner. Exceltent for both color and black and white sets. 6 oz . spray can.
18 F 01984 Shpg. wt., 11 oz.
Net 99 1602 . economy size spray can with spray-aid needle, Shpg. wt., $13 / 4$ lbs.
18 F 02156
Net 1.99

## CTILTEM TUNER CLE'ANER-LUBRICANT

## - With Injector Needle

- For Color-Black and White

Super 100. Fast drylng, will not harm plastics or electrical insulation. Non-toxic. non-flammable. Can be sprayed on without removing chassis from cablnet Contains "anti-static" agent. Will not cause drift or detune tuners.
3 oz. spray can. With plastlc injector needle 18 F 34043 Shpg. wt., 802. 6 oz. spray can. With steel infector needle. 18 F 34050 Shpg. wt., 12 oz.

Net . $9 ¢$ 16 oz. spray can with steel injector needle. Net 2.10
 18 F 34068 Shpg. wt., $13 / 4 \mathrm{lbs}$.

Net 2.99
 VOLUME CONTROL \& CONTACT CLEANER

- Cleans and Lubricates
- Will Not Harm Plastics

For color and black and white TV, radios, volume controls, band switches, pushbutton assemblies; relays, and electrical contacts. Restores, lubricates, protects, and cleans. Non-toxic and non-flammable. Prevents gumming. Does not change capacitles. 6 oz . spray can with $5^{\prime \prime}$ extender (needle). Shpg. wt., 1102. 18 F 43010

Net 1.99


## CHEMTRONICS "FROST AID"

- With Pin-Point Spray Needle

Pinpoints bad capacitors and transistors, oxidized joints by cooling components. Leaves no residue. With spray needie for hard to reach places. Non-flammable. 807 spray can. Shpg. wt., 1 lb .
18 F 52011

## \section*{Net 1.39} <br> 50 PIECE TV KNOB KIT

Selection contains 50 as sorted TV knobs including such types as channel selector, fine tuning volume, etc. Useful and attractive, Many with gold lettering or gold inserts. Shpg. wh. 3 lbs. 32 F 99021

Net 1.95


## STANDARD KOLLSMAN "ARBOR" PRESET TUNERS

- Replacements for over 1500 Different Models


Latest advances in tuner design result in maximum performance, with outstanding frequency stability and precise tuning. With 13 position detents. IF Video: 45.75 MHz . If Sound: 41.25 MHz Bt: $125-145$ VDC. Antenna input: 3001? balanced to ground with mounting brackets. Shpg. wt., 3 lbs.

| Stock No. | Model No | Heater | Net |
| :--- | :--- | :--- | ---: |
| 18 F 20109 | SBR-250 | 6.3 V | 15.95 |
| 18F 20117 | SBRS-252 | 600 ma | 15.95 |
| 18 F 20125 | SBR4S-251 | 450 ma | $\mathbf{1 5 . 9 5}$ |

## 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 purifler, 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 back of set when not in use. Imported. Shpg. wt., 1 lb 99 F $4024 /{ }^{(1)}$ Shpg. 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 NV with this portable 7" DEGAUSSER. Easlly demannetizes tube shield and accessories to ellminate stray colors and purify the picture. Womentary push button switch simplifles operation. You don't need to be a technician to use this little marvel. U.L. listed. For $\mathbf{1 1 0 - 1 2 0 ~ V A C . ~}$ 60 Hz . Shpg. wt., $3 / 4 \mathrm{lb}$.


## 18 F 84022

 Net 5.95
## PROFESSIONAL COLOR TV PURIFIER

## - For Color TV Receivers

Well suited for the serviceman or set owner. Heavy-duty degaussing coll demagnetizes and removes stray magnefic flux from color TV chassis and picture tube to achleve color purity. Contains momentary switch to de-energite coll without pulling plug. With 9 ft . cord. For 110.120 VAC, 60 Hz . 18 F 84055 Shpg. wt., $21 / 2$ lbs. - Net: 19.95

## BAKELITE KNIFE SWITCH

As Low As

## $25^{\circ}$

Excellent for TV antenna switching. Heavy metal parts mounted on bakellie base. Double pole, double throw. Shpg. wt., 4 oz. 99 F 61533

In lots of 10 ea.
Net Ea. .29


## Rembrandt <br> $5^{95}$

## TV GHOST ELIMINATOR

- Improves Color Reception
- Receives From All Directions
- Filters Out Interference
- No Installation Problem

Electriclaty rotates the polarreceiving pattern of your existing
 eceiving pattern of your existing antenna and phases the ground
wave picked up by the electrical wave picked up by the electrical
wirting system with the sky wave wirting system with the sky wave picked up by the antenna. Inproves any existing antenna; indoor, ouldoor, master or built-in. Boosts pick-up power of any antenna-old or new. Just a flick of the selector control funes out ghosts-filters out interferencetunes 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 attach to antenna terminals in back of TV set-and plug into 117 V AC/DC socket UL Listed. Shipg. wt., $11 / 4 \mathrm{lbs}$.
18 F 12064
In lots of 6 ea .


Features fast-action tab pre-set every 10 spaces. Automatic/manyal ribbon reverse; touch-set margin control; 1, 14/2, 2 line spacing. Chrome-plated paper support; paper ball with carriage scales; dual shift keys. Release lever frees jammed type keys. Ribbon selector lever for red or black ribbon or stencil. Top cover zips off for cleaning keys or changling ribbon. Finger-formed double-molded plastic heys. Accepts standard " 10 business envelopes, paper $91 / 2^{\prime \prime}$ wide. Molded hi-impact plastic case. Pica type. 110.120 V Hz , AC. UL Listed. Shpg. wt., 20 lbs. 15 F 31045 w

Smith-Corona* CORONET AUTOMATIC 12 ELECTRIC


The Coronet Automatic 12 meets the most exacting needs of office, home or school-yet travels with flite-lite ease. Full sized keyboard, full length tabulator key sets, clears. Repeat action for dashes, dots, $X^{\prime}$ s, underlines. Repeat spacing; copy-set dial; 3-position ribbon selectors. $12^{\prime \prime}$ carriage automatically returns and advances to next line. Copy set dial-makes up to $\mathbf{1 0}$ carbons. Aztec blue body w/Seamist keyboard. Pica type. All steel construction. Carrying case Incl. $110-120 \mathrm{~V} 60 \mathrm{~Hz}$, AC. Shpg. wt., 26 lbs. 15 F 40160 w

Net 174.95

Smith-Corona CORONA 70 ELECTRIC PORTABLE


Student-priced-styled for the 70's. Precision portable electric typewriter with blg 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 mars. Alt steel construction. Genulne Naughahyde carrying case. Smartly styled in Artec blue. Pica type only. For $110-120 \mathrm{~V}$ AC. U.L. Ilsted. 15 F 40187 W Shps. wt., 24 lbs.

Net 124.95


- All Steel/with Case

Charger 11 standard, full-size 84 character portable gives solid performance and dependability in lightweight, compact dae:
sign. Features instant margins, paper bale scale, jam release key, measuring scale. card holder, half-space ratchet and twocolor ribbon with stencil position, With console type case cover. Pica type. Size: $141 / 2 \times 15 \times 5 \frac{1}{2} 2^{\prime \prime}$. Shpg. wt., $131 / 210 \mathrm{~s}$.
15 F $17119 \%$
Net 39.95
OELUXE PORTABLE TYPEWRITER

- With Tabulator/Auto Repeat Space Key
Echelon 79 all-steel typewriter with tabula. tor and full 88 character keyboasd features + . $=1,1$ characters - four more than standard! Has automatic repeat space key, stencil selector, variable line spacer, jam release key, half-space ratchet, convenfent eraser table and paper support arm. With attractive, luggage-type carrying case. Pica type. Size; $141 / 2 \times 15 \times 6334^{\prime \prime}$. Shpg. wt., 15 lbs. 15 F 1712 Iw

Net 54.95
HOME/OFFICE TYPEWRITER

- With Key Set Tabulator
- All Steel Ultra/Deluxe

Echelon 91 full 88 character keyboard features pushbutton key set tabulator and pushbutton 2 color ribbon. Finger comfort sloped keyboard provides typing ease. In addition, typewriter has automatic repeat space key, jam release key, convenient eraser table. paper support arm, segment shift, synchronized measuring scale, card holder, auto-
matic/manual ribbon reverse, and Hine findef. Comes with ultra-deluxe molded carrying key lock case. Pica type. Size: $163 / a \times 18 \times 71 /^{\prime \prime}$. 15 f 17135 wx Shpg. wt., 23 lbs. .. Net 74.95

## COPYMATE

 DRY COPIERS- Copy Letters, Photographs, Pages Bound in Books
- Makes Crisp, Black on White Copies
- Easy to Use-Two Simple Steps
- No Messy Liquids, Powders, Sprays or Inks


## As low as 99

## DELUXE COPYMATE

Makes coples faster, more conveniently at home or in the office. Make permanent, $8 \times 10^{60}$ non-fading copies of bills, news articles, letters or retiples. Exposure time is cuf to 10.15 seconds, complete copies in 30 seconds. Warm-up time oniy 5 minules, faster than original Copymate. Can be left on all day. New hold down latch lets you leave machine during exposure cycle. Built-in automatic timer controls exposure for light of dark copies. Conirast is changed by varying developing time. No llquids or powders 10 refif. No spilling of inks. A completely dry process. Attractive front panel has automatic timer, pilot light, and power switch. Unit is compact and portable, only $221 / 4 \times 171 / 2 \times 61 / 4^{-1} \mathrm{H}$ and wetphs only 8 lids. Highimpact green plastic case with buitidin carrying handle and cord storage compartment. Complete with cover. Operates on $110 \cdot 120 \mathrm{VAC} .60 \mathrm{~Hz}$. U.L. Listed. Shpg. wt., 10 bs .
See COPYMATE paper to right.

## ORIGINAL COPYMATE

Makes $8 \times 10^{\circ}$ dry copies in less than a minute without using messy chemicals or inks. Front panel has pilot light and automatic exposure timer. Power switch on line cord. Handsome brown and gold case with built-in carrying handle. Compart, only $221 / 4 \times 171 / 2 \times 61 / \alpha^{2} \mathrm{H}$ Weighs $71 / 2$ lbs. Operates on $110-120$ VAC, 60 HZ U. L. Histed.
15 F 46019 w Shpg: wt. 10 lbs. .... Net 29.95 COPYMATE Paper. $8 \times 10^{\prime \prime}$ white bond. 33 sheets per pkg. Shpg. wt., 12 oz. 15 F 46027

Net 2.99

# Bohncompact 

 ELECTRIC ADDING MACHINEWith Direct Credit Balance<br>

No Money Down*

- Fully Automatic Two-Color Ribbon
- Larger Capacity: Totals 11 Columns


Up To \$999,999, 999.99
Modet $10 / 11$ Short stroke 10 -key keyboard. Automatic operationadd, multiply, subtract, total, subtotal and true credit balance. Twocolor ribtoon prints credit balance and minus factors in red. Clearly marked single-use function keys. Raised PLUS bar makes "sure tarket." "Ezy-Loch" multiplication key simplifies and speeds up all repeat operations. New non-add key prints reference numbers. All steel frame and steel mechanism. Two-tone high impact styrene housing. 15 F 55002 W Shpg. wt., $101 / 2$ lbs.

Net 89.95 Contour-fitted Statesmap Carry Case with zipper and handes. 15 F 55010 Shpg . wt., $13 / 4 \mathrm{lbs}$.

Net 6.95

## AUTOMATIC ELECTRIC PENCIL SHARPENER

- Automatic

Stopper When Pencil Is Sharpened

- Heavy Duty Electric Motor

Madel 660-Ideal for student, artist, draftsman, business firms. gives a needle point instantly. Unit even sharpens charcoal and pastel pencils. Sensitive micro switch automatically stops motor when pencll is sharpened. Carefully machined precision around cutters last indefinitely. Easy cleaning with convenient push out receptacle drawer. Sale for even a child to use. Sturdy die cast metal with heavy duty 115 volt AC motor. Uh Listed. Imported. 15 F 17051 Shpr. wt., $31 / 2$ tbs.

## SMITH-CORONA

 "FIGUREMATIC" PORTABLE ELECTRIC ADDING MACHINE $75^{50}$ No Money Down *- Totals 8 columns to \$999.999.99


A tast-liguring electric portable that adds, subtracts and multiplies Full-featured construction with 10 heys. 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 fucks In, styllsh dust cover snaps on, built-in retractable carrying handle comes out, and away it goes. Ideal for everyone who ligures-at work, home, in-between. Overall 7x9m13". For $110-115$ volts, $60 \mathrm{~Hz}, \mathrm{AC}$. Shpg. wt., $101 / 2 \mathrm{lbs}$. 15 F 40079w

Net 75.50
Adding tape for above $21 / 2$ " wide.
15 F 40061 Shpr. wt., 10 oz.

> Net ea.

## ELECTRIX ${ }^{\circ}$ THE EXECUTIVE PERSONAL FAN $10^{95}$

- Powerful

Compact - Whisper Quiet

## - Use Anyplace You Relax



Cools like fans several times its size. Set it on a desk, alongside your bed, or in the kitchen wherever a breath of fresh air is needed without blowing up a storm, or disturbing papers. The Executive is so whisper quiet and efficient you can use it any plate you relax of work. Durable. high impact Cycolace base adjusts to direct a concentrated, cooling, even stream of air. Beautiful offwhite/watnut finish. For 117 VAC, 60 Hz . Size: $8 W \times 4 \mathrm{Hx} 4^{" D} \mathrm{D}$. 15 F 51019 shpg. wt., $23 / 4$ tbs.

Net 10.95
To Speed Your Mail Order-Please Give Your Zip, Code Number

# Decorator Clocks-Weather Instruments 



AMERICAN TRADITIONAL PENDULUM CLOCK

## on $16^{95}$

Charming replica of an old lavorlte expertly reproduced in Timewood and carefully accented in wainut tones. Mottled parchment dial is In striking contrast to the large Roman Numerals. The graceful motion of its swinging pendulum completes the authenticlty of this ageless favorite. Runs up to one year on a single "D" cell Size. $14^{\circ} \mathrm{H} \times 9^{m} \mathrm{~W}$ $\times 2$ "D. Shog. wt. 3 lbs. 13 F 30547 Net 16.95 Battery for above 99 F 62564 Net . 15


DIGITAL TV LAMP CLOCK


Ideal for use on a TV cabinet, In the kitchen or baby's room. Provides soft lllumination and precise time. Attractive sturdy plastic case with gold trim. Size: $4 \times 7 \times 37 / 0^{\prime \prime}$ Deep. Shpg. wt., $23 / 4$ los. UL listed. 110V. 60 Hz,AC.
14 F 50013 Walnut _ Net 12.95 14 F 60021 White

Net 12.95


- Adiustable for Various


## Time Zones

- South Polar Projection

Self starting, accurate electric clock. Tells world-wide and local time. Cali brated 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 . AĆ. Shpg. wt., 2 lbs. 13 F 26024


HOME WEATHER STATION

## ony $11^{95}$

- Thermometer-BarometerHumidity Meter
- Mounted on Beautiful Wall-Panei

Three accurate dial-fype 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 walnu grained panel in an ebony-grained and gold graented trame with brass antiqued accented frame with a brass antiqued metal finial $17^{\prime \prime} \times 7^{\prime \prime}$. For horizontal or vertical mounting. Shpg. wt., $21 / 2$ lbs.
13 F 40041
Net 11.95
weather Station Duo: Similar to above, only thermometer and humidity meter. Size: $121 / 2^{\prime \prime} \times 7^{\prime \prime}$. Shpg. wt., 2 lbs.
13 F 40058
Net 6.95

## DELUXE HOME WEATHER STATION oํ $15^{95}$

- Deep Luster, Hand-Rubbed Finish
- Large, Easy to Read Dials

Beautiful three instrument home weather station incorporates a precise and sharply calibrated thermometer, barometer and humidity meter. Rich hand-rubbed, woodgrained finished case houses instruments and beautlifully sets off spun goiden, extra large, easy-to-read dials. Callbrations and markings are efched in black to stand out clearly. $20^{\prime \prime}$ tall case may be mounted vertically or horizontally. Elegently styled instrument panel enhances any decor. Mounts simple to any wall in your home. Shpg. wt., 4 lbs.
13 F 40066 $\qquad$ Net 15.95

## INDOOR-OUTDOOR THERMOMETER AND HUMIDITY METER

- Indoor As Well As

Outdoor Temperatures

- 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 attrac tive gold-colored, easy-to-read metal scales. Humidilty can be seeen at a glance on large dial below. Comes complete with $4^{\circ}$ of capillary tubing. Shpg. wt., 2 bs. 13 F 40033

Net 9.95

## DECORATIVE WALL HUMIDITY INDICATOR <br> 

Rich gold bezel on a handsome wood grain panel. Precision indicator needle accurately pinpoints the percent of humdity as well as "dry, moderate, or humid" weather comfort zones. Shpg-wt., $1 / 2 \mathrm{lb}$. 13F16066 Net 3.50

# Precision Weather Forecasting Instruments 

## WINDSCOPE WIND SPEED AND DIRECTION INDICATOR



- Easy to Install
- Self-contained
- 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. Atlractive mahogany-finished indoor indicating unit $61 / 2^{\prime \prime} \times 5^{\prime \prime}$. Boxed with battery, 60 feet of leadin wire and instructions. Shpr. wt.. 9 lbs 13 F 74511 w No Money Down ${ }^{2}$... Net 99.95

WEATHERSCOPE WEATHER STATION


Complete weather information center inclu. ding 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 wail mounting. includes wind speed and direction roof unit with $60^{\circ}$ of lead-In wire fo\% outdoor mounting. $40^{\circ}$ of caplliary tubing for thermometer. With battery and insiructions. Shog. wt.. 16 lbs .
13F74503w No Money Down* ...Nel 199.95

WEATHER HAWK RECORDING THERMOMETER OR BAROMETER


7-DAY RECORDING THERMOMETER Records ouldoor temperatures on 7 -day chart. 110 volt. 60 cycle. Range minus $40^{\circ}$ to $+120^{\circ} \mathrm{F}$. Elght feet capillary tubing. Black plastic base whth clear cover. $13^{\prime \prime 2} \mathbf{7 T}^{\circ}$. Boxed. with 13 charts, ink and instructions. Shpg. wt. 6 lbs.
13 F 74529W Mo Money Down* ......Net 59.95

## 7-DAY RECORDING BAROMETER

 Records barometric pressure chanes on 7-day chart, range 29-31 inches. Uni/Mar movement for maximum pen motion. 110 volt 50 cycle. For altitudes $0 \cdot 10,000$ feet. Whith 13 charts, ink and instructions. Shpr. wt., 5 lbs. 13 f 74537 w No Money Down* ......Net 59.95
## RAIN GAUGE

- Keep Record of Total Rainfall
Precision rain gauge designed to give accurate rainfall records. Unique "chisel" shape permits recording of minute quantities. Easily op. erated cumulative rainfall indicator. Scale graduated up to $51 / 2$ Inches. Scale in black numerals. with in. structions for mounting and use, to obtain weather-stalion accuracy to $1 / 10$ th of an inch. Overall length $1034^{\prime \prime}$, width $21 / \mathbf{N}^{\prime \prime}$. Shipg. wt., 602. 13 F 16017


MAXIMUM-MINIMUM THERMOMETER


- READ: Present, High, Low Temp.

For weather enthusiasts-gardeners-farmers, etc. Gives three readings at a glancemaximum, minimum and present temperatures. Self-reglstering-no knobs-magnets or push buttons needed for reset. Magnifying lens case for ease of reading. Maintains automatic check on temperature variations. Makes you the local weather expert. Shpg. wt., 11 oz.
13 F 16033 ……..............................Net 5.95 REMOTE READING THERMOMETER. Same as above but with remote "sensor" for comfortable indoor reading of outdoor temperature. Includes mounting bracket and Instructions. Shpe. wt., 11 oz.
13 F 16041
Net 7.95

## Ecuyar <br> WIND SPEED INDICATOR $24^{95}$

- For All Sportsmen, Yacht Clubs, Gun Clubs, Fishing and Hunting Camps
- Great For Pilots

Wind velocity registered by liquid fllled tube. Calibrated in both MPH and Beaufort Scale. No calcutations, reads just like a thermoneter. Vane-type external fittings must be mounted on outside elevated point.


Attractive gray indicator features jet black calibrations. Supplied with 50 ft . tubing to connect outer unit to gauge. Gauge size: 7 \% $\times 57 / \times 1$.
13 F 6250 s Shpe. wt., $31 / 2$ lbs. ... Net 24.95

## INDOOR-OUTDOOR THERMOMETER

Shows inside and out. side lemperature from the comfort of your room. Inside location ldeal for quich easy reading. Sirigle scale for Instant comparison. Modern plastic case. 8x $21 / 2^{\prime \prime}$ L, $48^{*}$ lang copper capillary tube and bulb, Large numerals for easy reading. Shpg. wt.. 1 lb .

## 13 F 16025



## POCKET THERMOMETER

Ideal fer the Laboratory, factory, Efe. Mercury type-total immersion, White scale with black numerals. Sub-dlvided by $2^{\circ}$ F. Polished nickel-plated case; tube length $51 / 2^{\prime \prime}$. Shpg. wL, 4 oz .
15 \& 48015 Range: $-30^{\circ}$ to $120^{\circ}$ F Net 2.95 15 F 48023 Range: $0^{\circ}$ to $220^{\circ}$ F Het 2.95
"SLIDE RULE" HUMIDICATOR

- Slide Rule Readings
- No Computing
- No Conversion
- Ease and accuracy
fastest and easiest method of determining relative humldity. With the cursor (slide) set on the tempera. ture, the relating humidity is read directly off the humidity graph. The "humidicator" graph is callbrated in increments of $2 \%$. Both thermonteters are calibrated in incre-
 ments of $2^{\circ}$ from $20^{\circ}$ F to 120 \% . Background colors chosen for easily readibility. Overall size, including cistern is $13 \frac{1}{2} \times 33 / 4^{\prime \prime}$. Mounted on mahogany board with provisions for hanging. Inported. 99 F 90060 Shpg. wt., 1 lb .


## Selected Specialty Watches



Electric battery operating watch with precision crafted, anti-magnetic 13 lewel movement. This fine quallity watch features an unbreakable mainspring. automatic changing calendar, sunbrush dial, gllt-raised figures, and sweep second hand. Runs on tiny energy cell for never-wind convenl. ence. Gleaming 10 micron gold-filled case with stainless steel back, and genuine lizard strap. Comes in deluxe presentation box. Energy Cell: Standard, long-lasting 12 to 18 month. Imported. Shpg, wt., 802.
13 F 31388 L No Money Down*
Net 36.95


Digital read-out watch shows hour and minute and date in targe, easy-to-read red and blue numerals. Great for anyone who must account for time at a glance . . . pilots, rally drivers, etc. Ideat for the visually handicapped. Siriking dial features sweep second hand and incorporates an automatic calendar which digitally indicates the day of the month. Precision antl-magnetic Swiss movement has unbreakable mainspring. Beautlful gold tone finish case with genuine lizard strap. Imported. Shpg. wt., 8 0z.
13 f 313621
Net 14.95


## (E) MAN'S CALENDAR WATCH

Precision made calendar watch has large date window. Date changes automatically every 24 hours. Dial features distinctive raised gilt numerals and a sweep second hand. Swiss movement is anti-magnetic with unbreakable main spring. Smartly flnished in a gold tone color case and comfortable matching metal expansion band. Shpg. wt., 802.

13F31370L ...Net 8.95

(A) SELF WINDING 17 IEWEL DAY AND DATE CALENDAR WATCH

Deluxe Swiss watch is self winding, and automatically changes the day and the date. Precision made 17 jewel movement is water resistant, antimagnetic, and features an unbreakable mainspring. Handsomely styled 10 micron gold filled case with a stainless steel back and a matching expansion band. Easy-to-read dial features the date in red and the day of the week in black, raised gilt numerals on an attractive white dlal face and a sweep second hand. Shpg. wt., 8 oz.
8 oz .31289 L
13 f 312
Net 36.95

B 17 JEWEL CALENDAR WRIST ALARM WATCH

Swlss made wrist alarm serves as an automatic reminder any. time-any place. Features automatic daily calendar. 17 jewel movement is water resistant, antimagnetic and features an unbreakable mainspring. And radtum dial case is 10 micron goldfilled with stainless back or all stainless steel.' Each with genuine lizard band. Dlal has raised silt numerals on a white face with a sweep second hand. Shog. wt., 8 oz . No Money Down* Stainless Steel Case 13 F 31396 L
Gold Tone Case Gold Tone C
13 F 31404 L

Net 39.95
Net 39.95
(C) 17 JEWEL DOUBLE BUTTON CHRONOGRAPH WATCH

Precision made 17 jewel Swiss chronograph is ideally suited for accurate elapsed timing of sporting events, scientific experiments. etc. Features a tachom. eter for measuring speed, a tele. meter for measuring the distance of sound and a stop watch with a 30 minute register and a sweep second hand. Accurate. dependable movement features an unbreakable mainspring. Water resistant, dustproof and antimagnetic. Bright chrome case with a stainless steel back, ralsed numerals, and a genulne leather strap. No Money Down* Shpg. wt. 13 oz .
13F3113iL

## (D) DAY AND DATE CALENDAR WATCH

Tell the time, day, or date at a glance with this elegantly styled swlss made cialendar watch. Pre. cision movement is antimagnetic. Watch features an unbreakable mainspring, water resistant high pollsh gold tone case, handsome white dial face with ralsed gift numerals, easy to read red day -black date, and a sweep second hand.
13 F 31305 L Wt., 8 oz Net 11.95
Lady's Day/Date Calendar
Similar to above but Lady's model. Ideal as a matching set with the men's watch. 13 F 31313 L ............. 11.95

## DELUXE SPORTSMAN'S WATCH WITH WORLD TIMER

An Automatic
Underwater Watch
That Indicates
Elapsed Diving Time

## Tells Time

in 26 world
Wide Cities

## Only

- Swiss Precision Crafted
- Automatic Day-N-Date Calendar
- Stainless Steel Band


Designed for the active sportsman! Tell the time, day and the date at glance. Revolving bezel lets you know the time in 26 cities around the world, and aiso operates as a 60 min . alapsed timer, Features a telemeter scale, a sweep second hand and fuminous hands and dial markers. Rugged, precision timeplece is water-resistant, anti-magnetic and has an unbreakable mainspring. Hermetically sealed pressurized case provides protection to 5 atmospheres. Case Is finished in bright chrome with a stainless steel back and a matching stainless steel band. Shpg. wt. 902.

## SPORTSMAN'S CALENDAR WATCH SWISS PRECISION CRATTEO

## An Automatic Underwater Watch That Indicates Elapsed Diving Time

## As Low As

Also Available In Lady's Model

- Pressurized Water-Resistant Case
- Automatic Daily Calendar
- Parking Meter Time
- Luminous Marker and Hands

Handsome wristwatch especially designed for the sportsman who is apt to get his watch wet-fishermen, hunters, or skin divers. Her. metically sealed pressurized case pravides maximum protection to 5 atmospheres. Movable outer bezel permits easy timing of events, parking meter time, or elapsed submerged time. Swiss crafted antimagnetic movement features automatic dally calendar, unbreakable mainspring, and sweep second hand. Luminous hour markers and hands for high visibility. Polished chrme case, stainless back, and comfortable waterproof strap. Importee. Shpg. wt., 7 oz. 13 F 31180 L Mens ${ }^{\circ}$

Net 11.95
Ladies' Model-Similar to above
13 f 31263 ( Shpg. wi., 6 oz
Net 13.50
13 F 312711

## PRECISION SWISS STOP WATCHES



- Accurate Jeweled Movements
(4) $1 / 10$ SECOND TIMER

Designed for close timing. Lange hand reglsters $1 / 10$ of a second, up to 30 seconds; small hand reads minutes. up to 15 . Start, stop. and continue from crown; Instant zero. 7 jewel movement. Chromi. um plated case. Shpg. wt., 6 oz. Imported.
13 f 310321
Net 12.95
Same as 13 F 31032 (above) except 1 jewel.
13 F 31024 L Shpg. wt., 602.
(8) $1 / 5$ SECOND TIMER

- Ideal for Sports

Second hand registers $1 / 5$ of a second and completes turn in 60 sec onds. Small hand indicates up to 30 minutes. Side slide starts and stops hands. Fast resetting dependable 7 -jewel movement. Shpg. wt., 6 02. Imported.
13 F 310401
Net 12.95
Same as 13 F 31040 (above) except 1 jewel. 13 F 31057 L

## PEDOMETER

- Leather Strap Attaches To Ankle
- Range 0-24 Miles
- Ideal For Hikers, etc.

Do you walk a lot? Want to know how far? This easy to use pedometer is the answer. A prectsion instrument, no larger than a wristwatch, accurately registers up to 24 miles. Easily reset. Completo with ankle strap and instructions. Weighs $21 / 202$. Made in West Germany. Shpg. wt., 5 oz.


## (c) TRACK TIMER $1 / 10$ SECOND

Excellent for athletics. The second hand indicates tenths of a second and seconds, and completes one torn in 10 seconds. The small hand reaisters up to 10 minutes. Start, stop, and reset by successive depressions of the crown. 7 -jewel movement. Shpg. wt., 5 oz . Imported.
13 F 31065 L
Net 16.95
Same as 13 F 31065 (above) except 1 jewel.
13 F 31073 L Shpg. wt., 6 ot
Net 12.50
(0) 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 resisters 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 ot.
13 F 31016 L
Net 13.50

## PEDOMETER

- Range 0-25 Miles
- Ideal For Hikers, etc.
 - Clips To Belt

Fine quality pedometer accurately registers distance you bave walked in quarter mile increments from 0 to 25 miles. large easy to read dial. This precision instrument comes with cllp for wearing on belt. Easily set, simple to use. A must for those who want to know their distance traveled. Shpg. wt., 6 cz. 13 F $31123 L$

Net 6.95

# DELUXE SUPER 8 REFLEX AUTO POWER ZOOM MOVIE CAMERA 

Camera Only
$79^{95}$

SAVE When You Buy Complete Outfit
$159^{95}$
No Money Down*

Thru-The-Lens CdS Electric Eye

- 3.5 To 1 Power Zoom wt. 15 los. 78079 L .
- Two-Speed Operation
- Fast f/1.8 Lens

Take sharper, better exposed movies with this deluxe super 8 power zoom reflex camera. Features a thru-the lens CdS electric eye that automatically controls the lens opening according to light conditions and drop-in, instant cartridge loading. Shoots 50 ft . with a single cartridge. Meter system automatically adjusts for film speeds from 10-400 ASA. Electric film drive motor does away with bothersome hand winding. Offers a choice of two filming speeds: 18 and 24 fps . Super fast $7 / 1.8$ Cinetor 3.5 to 1 room lens may be manually or automatically operated. Warning signal shows in viewfinder under Insufficient light conditions. Exceptional features include automatic resetting footage counter, buittin type " $A$ " filter, battery tester, focusing eyeplece, full range film speed, safety lock, light bar rewt. 23 lbs .
15 F 90173 WKM

15 F 78087WY

ceptacle, cable release socket, pistol grip, and die-cast aluminum

15 F 16103 Camera Case for Above. Shpg. wt., 1 lb. Net 3.95 g9 F 63703 Batteries for above (4 req.) ..................... Net ea. . 15

## COMPLETE POWER ZOOM MOVIE CAMERA OUTFIT

Everything you need for movie making and showing fun. Matched components consists of Power Zoom Super 8 f $\cap .8$ camera-fully automatic 500 W brilliance projector with F/1.6 Zoom Lens, automatic Reel-to-Reel threading thru gate, single knob control for Forward, Reverse, Still and Automatic Rapid Rewind. 400 it capacity. Projector includes self contained case-outfit also includes: 1-camera case; 1 -roll GAF Anscochrome II film with free processing; extra 400 ft . reel and can; Mr. "Magoo" cartoon; 1-30x40 inch folding tripod screen; 4 -batteries for camera; 1 Light Bar, 2 Bulbs. Shpg.

Net 159.95
Auto Zoam Projector Only
Full feature. forward, still and reverse. Shpg. wt., 10 lbs.
Net 7495

## Complete Zoom

 Movie Outfit
## $99^{95}$

No Money Down*

Complete home movie making outflt. Includes super 8 zoom movie camera with sharp $/ / 1.8$ color-corrected 2 to 1 zoom ratio. Advanced, extremely accurate CdS electric eye exposure system sets the lens automatically for continuous, perfect exposures. No need to fumble with extra controls and miss the once-in-a-Ilfetime shot. Movie camera also features a built-in pistol grip, battery powered electrle film drive, vlewfinder with over / under exposure warning signal, footage indicator, tripod socket, built-in A filter, cartridge loading with auto door lock and a sturdy die-cast aluminum body. With 4 long-llfe alkaline batteries. Super 8 movie projector features convenient automatic reel-to-reel threading and automatic rapid rewind. Fast, coated 1/1.6 lens and 500 watt brilliance provide a bright, shapp screen

# Deluxe Super 8 Movie Cameras 



Deluxe electric drive Super 60 Electronic reflex camera with fast electric $f / 1.8$ lens 200 ms from 8 to 48 mm . Automatic CdS through-the-lens exposure system and micro-split focusing. Super 8 drop-in cartridge loading, no threading. Shoot 50 ft . what rewinding. Other features include film type Indicator window, parallax free reflex viewing, shutter trigger with continuous run button, spotlight and backlight lighting control, automatic film ASA speed selector, inswfficient light indicator, remote control, single frame, adjustable eyepiece, and cable release sockets. B5A filter, battery checker, footage counter, and movie light slot. ASA Speeds: 25-400. Film Spe:sds: 12, 18, 24 fps. Imported. Shpg. wt., 3 lbs
15 F 364081
99 F 53703 Batteries for above. (4 rea.
Net 159.95
Ner ea.

## VICEROY SUPER 8

5-1 POWER ZOOM
 Down*

- Big 5 to 1 Power Zoom ( $8.5-42 \mathrm{~mm}$ )
- Fully Automatic Thru-the. Lens CdS Electric Eye
- Thru-the-Lens Reflex Viewing
- Two Film Speeds: 18 fps for Standard, 24 fps for Slow Motion
Super 8 , instant loading reflex movie camera has no bothersome threading. Accurate CdS light sensor automatically gives proper ex. posure under varied light conditions. Custom designed, sculptured grip allows camera to be used for prolonged periods without tiring. Battery powered 200 m lens and film drive provide unmatched convenience. Camera features sharp, $/ / 1.8$ focusing 200 m lens with viewing thru the lens. Focuses to under 5 ft . Features include; high or low light warning signal; built-in battery checter; adjustable eyepiece; 18 and 24 frames per second. Strong. lizhtweight cast aluminum body. Imported. Shpg. wt., 3 lbs.
15 F F8194L
Net 99.95
99 F 53703 Batteries for above (4 req.)
Net ea. . 15

BAUER C2M SUPER 8 5-1 REFLEX POWER ZOOM


Versatile, $5-1$ reflex 200 m movie camera with a range from $8-40 \mathrm{~mm}$. Features 3 filming speeds of 12,18 , and 24 fps plus single frame. Very sensitive, behind-the-lens metering system controls exposure automatically or allows manual override. Battery conditlon light and $\mathrm{f} / \mathrm{stop}$ indicator are visible in viewinder. Focuses from 3 ft . to infinity. Features: auto-resetting footage counter; film type indicator window; bullt-In " $A$ " filter; permanent hand grip; contoured rubber eyepiece, diopter adjustment; rubber sunshade. Imported from W. Germany. Shpg, wt., 3 lbs.

15 F 372081
Movie Light Bracket For Above Camera
15 F 37448 Shpg. wt. 8 oz.
Net 219.95
Net 2.95
99 F 63703 Batteries for above (4 req.)
Net ea. . 15

## DedIIfi Electra 300 3-1 POWER ZOOM



## - Slow Motion <br> - Single Frame Exposure <br> - Fully Automatic Thru-the-Lens Exposure System

Super 8 retiex automatic movie camera with $/ / 1.8,10.5 .32 \mathrm{~mm}$ power 200 m . Sensitive CdS thru-the-lens meter assures correct exposures for proper colors. Reflex thru-the-lens viewing and focusing for accurate framing and sharp pictures. Features convenlent fade-in, fade-out control and single frame exposure. Simple, drop-in cartridge loading. 50 ft . of shooting. Switch on trigger selects slow motion for slowing down fast action or standard speed for normal shooting. F/stop and cver/under exposure silgnal is clearly visible thru view-finder. Aiso includes battery indicator, footage indlcator, built-in type A filter, lens hood and eyepiece hood, and carrving strap. Rugged die-cast aluminum housing. imported. 15 F 5212 \& Shpg. wt., 6 lbs.
99 F 63703 Batteries for above (4 required) $\qquad$
Net 109.95
Net ear $\quad .15$

## Deluxe Dual 8 MM Movie Projectors

 nated "stil]" position without burning film. Handles standard and super 8 mm flm. Even splice the two together and run them on the same reel. Sharp, $/ / 1.5$ zoom lens assures full screen brilliance, Features quiet, cool operation with long-life quartz halogen lamp, automatic reel-to-reel threading, built-in film trimmer, 400 ft . reel capacity, fast rewind, lifetime lubricatlon. die cast aluminum body and self-enclosed carrying case with hande. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt. 14 lbs.
is F 52132 Wx
Net 74.95


Model 5882 Super or regular 8 mm movies . . take your choice. Shows Them both with brilliant, crisp projection. Sharp $f / 1.5200 \mathrm{~m}$ lens permits flexibility in separation of screen. Finger tip controls select rapid rewind, reverse, still. or rapid forward operation. Has convenient elevation control and room light coordinator outlet. Accepts reets up to 400 feet. Other quality feaures include 500 watt brilliance. automatic 111 m threading with Adjusto-Matic take.up control, and self-contained carrying case. For 110 volts $50 / 60 \mathrm{~Hz}$. AC. Shpg. wt., 11/4 tbs.
15 F 78129W
Net 89.95
Eldorado $\mathbf{a 6 2}$ movie projector with the advanced features of variable speed control, true slow motion and forward or reverse projection. $100 \%$ illumination for extended "still" projection, ultra-bright, longlife quartz Halogen lamp and cool, quiet operation. With sturdy decast aluminum case. 400 ft . reel capacity. bulft-in automatic room light receptacle, automatic reel-to-reel threading, fast rewind, builtin lifm trimmer, litetime tubrication and a self enclosed carrying case with handle. Sharp $\mathbf{/ / 1 . 5} \mathbf{z 0 0}$ lens for excellent sharpness. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$.
15 F 52140 wX Shpg wt. 14 lbs .
Net 109.95

## DELUXE DUAL PROJECTOR FOR BOTH SUPER AND STANDARD 8 FILMS

$154^{95}$

- Variable Speed
- Reverse Operation
- Rugged Die-Cast Case

Model 4652B Projects super or regular 8 mm film with Iully automatic reel to reel threading and variable lim speed control. Brilliant $\$ / \mathbf{1 . 6}$, 18.30 mm Filmovara zoom lens as sures crisp full screen viewing with out the bother of setting up that "special" projector to screen spacing. Incorporates spindle adapters for super 8 reels. dial focusing. framing dial, tilt control, reverse and rapld rewind, film cutter for both super and standard 8 film, auto-load 400 fI . reel. and cord storage compartment. Motor fan cooling switch permits after show cooling for fast safe storage. Rugred die-cast construction. Self contained carrying case. For 117 volts 60 Hz . AC.
15 F 65134 W Shpg. wt. $181 / 2$ IDs.
Net 154.95

## Movie Editors And Accessories



- Over 17 Sq. In. Viewing Screen - Die-cast Construction
targe screen editor with over 17 sq . in. of viewing area. Film silps in place in seconds; notches in exact frame that is being viewed. Takes reels up to 400 ft . Smeoth and rapid rewind operates without scratching film. Adjustment knob for critical focusing. Foldaway arms for convenient storage. Die cast construction, with dry splicer and splicing tape. Size: $91 / 2 \times 7 \times 61 / 2^{\prime \prime \prime}$. UL Histed. 15 F 84093 Shpg. wt, 9 lbs.

Net 24.95

## DELUXE ZOOM MOVIE CASE

- Adjustable Shoulder Strap
- Nickel Plated Hardware,


Holds substantially any super 8 Camera with attached hand grip.
Made of exquisite black vinyl material, firm core and fully lined, with French stltching. Ample space also provided for camera ac-
 15 F 16053

## SPORTPOD

- Use It Anywhere
- 3-Section-Extends to 58"

The Sportpod is a 3 -section leg with tripod screw on top, protected with a removable cap. Offers rigid camera support with least possible weight and bulk. Supplied. with sus pension strap. Total extended length is $58^{\prime \prime}$ telescopes to $21 / 2^{\prime \prime}$. Sections measure $7 / 8^{\circ}$ $3 / 4^{\prime \prime}$ and $5 / 6^{\prime \prime}$ in diameter. Shpg. wt., 1 lb . 15 F 36010 Net 4.50

baia dual 8 Eoltor


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 blg 7 sq . in. picture area, built-in focusing and framing controls, frame marker and lamp switch. Has fllm protecting heat filter, geared $400^{\circ}$ capacity rewinds. UL listed.
15 F 62008 Shpg. wt., 4 lbs.
Net 14.95

## SEALED-BEAM MOVIE LIGHT

- Head Tilts for Bounce Lighting

Compact, powerful 650 watt tungsten sealed beam will provide sparkling bright Indoor movies. Features top mounting and convenient on-off switch. Will fit all new super 8 mm cameras plus all standard 8 mm cameras with tripod socket on top, with 6 ft . cord and exposure guide.
15 F 68013 Shpg. wt. 3 lbs .

## DELUXE 650 WATT QUARTZ MOVIE LIGHT

- Head Tilts for Bounce Lighting
- For All Super-8 Cameras

Shoot brilliant movies Indoors. Lang life, quartz-bromine movie light for maximum output. Small, all metal unbreakable housing with bulit in on/off switch. UL listed. Whth $64 \frac{\mathrm{ft}}{\mathrm{ft}}$ cord. Shpg. wt., ift
15 F 68005


## SUPER-8 MOVIE YIEWER

See your home movies the moment you receive them. Easily portable unft can be taken anywhere in the home or when visiting friends. Built-in illumination. Has optical type shutter FHIm is advanced or reversed easily, even single frames can be viewed. Lightwelght, high impact plastic housing. Shipg. wt., 1 lb . 15 F 34544

Nét 8.95


## DUAL-8 FILM SPLICER

Universal splicer for Super 8 and Regular 8 film. " S " shaped cutting blade prevents film flexing or pop-out during projection. With smalt supply of solicing tape. 15 F 36457 wt 3 oz.
Mylar Spliclng Tape ( 36 splices)

Net 1.79 Mylar Splicling Tape ( 36 splices) 15 F 65025 For Standard 8 wt. 2 oz. Net .59 15 F 66058 For Super 8 wt. 2 oz. Net .59


## AUTO-THREAD

metal reel and can
A fully automatic self-threading take up reel. Designed for all standard projectors. Quallty constructed with a precision diecast hub and sturdy flanges. $400^{\circ}$ capacity. Shpg. wt. 12 oz. 15 F 41051 .......................................... 79 15 F $41077200^{\circ}$ Capacity Net . 69 For Super 8
Reel and Can, 400 Capacity
15 F 41069
15 F $41085200^{\prime}$ Capacity
Net 89
Top Quality Cameras and Accessories at Low Prices

## DELUXE LENTICULAR SCREEN

$$
\begin{aligned}
& \text { AS LOW } \\
& \text { AS } \\
& \text { Lematic } \\
& \text { Lever.Type Handle } \\
& \text { Permits Smooth } \\
& \text { Easy Adjustment }
\end{aligned}
$$

- Automatic

Specially-designed, optically-correct lenticular screen is free of glare, sheen and hot spots. Amazing sharpness and color rendition. Durable vinyl fabric resists fire and fungus. Sturdy. secure tilpod legs. Screen is $40 \times 40^{\prime}$. Shpg. wt., 10 lbs.
15 F 50052 W
Same as above. Extra Large $50^{\prime \prime} \times 50^{\prime \prime}$
Super Screen Enal Large $50^{\prime \prime} \times 50$
Super Screen-Ideal for New Super 8 Movies. Shpg. wt., $121 / 4$ lbs. 15 F 50219W

Net 16.95

## GLASS BEADEE SCREEN

Fine grain glass beading for extra brilliance excellent viewing. Heavy-duty folding tripod adjustable to various helghts. Large $30^{\prime \prime} \times 40^{\circ}$ size. Shpg. wt., 10 lbs .
15 F 50037 W

## TABLE TOP SCREEN

$22^{\prime \prime} \times 30^{\prime}$ Lentlcular. Shpg. wt., $21 / 4 \mathrm{lbs}$.
15 F87021W



MIRANDA "SENSOREX" 35 MM SLR

- Behind-The-Lens Cds Meter
- Variable Delay Self-Timer

Fully automated SLR camera utilizes cross-coupled behind-the-lens CdS meter (ASA range 25-1600 and EV 3.18) and Ultrasharp Auto Miranda lens. Illumination is measured with the lens wide open. Built-in shoe provided for wide range of accessories. Multi-splitgrid resolves into perfect clarity when pin point focus is achieved. Features interchangeable lens mount, built-in self timer, instant return mirror, interchangeable viewfinder, and rapid advance geared $150^{\circ}$ cocking lever. Complete with built-in variable delay self-timer. Includes case and strap. Specifications: $50 \mathrm{~mm} / / 1.8$ lens. Speeds: $8,1-1 / 1000$ th sec. FP \& $X$ Synch. Imported.
15 F 37455 L Shpg. wt.. 4 lbs.
"SENSOREX" $35 \mathrm{MM} \mathbf{1 / 1 . 4}$. As above with super fast lens.
15 F 37463 L No Money Down*
Minolfa SR-T 101 35MM SLR


219
95 with case
No Money Down*

- Cross Coupled CdS Thru-The-Lens Exposure System
- F/1.755 MM Lens

A quality SLR featuring Minolta's "contrast Hght 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 viewinder. Shutter speed scale visible in viewifinder. Readings are taken with lens wide open. ASA range is 6.6400 . Features an instant return mirror; a focal plane shutter with speeds from $1-1 / 1000$ th plus B; FP\& $x$ synch. auto-reset frame counter; seli-timer, mirror lock, depth of fleld preview, and bullt-in accessory shoe. Includes a $55 \mathrm{~mm} \mathbf{~} / 1.7$ lens, case and strap. Imported. Shpg. wt., $41 / 4 \mathrm{lbs}$. 15 F 34551 L

Net 219.95


No Money Down*
MIRANDA "SENSOMAT" 35MM SLR

- Shutter Speeds to $1 / 1000$ th
- Thru-The-Lens CdS Meter - Sharp 50 MM F/1.8 Lens "Sensomat" is a truly versatile 35 mm SLR featuring a thru-the-lens CdS metering system with a narrow angle of acceptance for easier, more perfect picture taking. Match needle in the viewfinder can be centered for proper exposure by rotating the dlaphragm and/or the shutter speed dial. ASA range: $\mathbf{2 5 - 1 6 0 0}$. Dther features include fully interchangeable finder and lens systems, shutter speeds of 1-1/1000th plus B, FP \& X synch., automatic reset film counter with a magnifying lens, and a front and top shutter release for greater convenience. Focus from $17^{\prime \prime}$. Camera includes $50 \mathrm{~mm} / / 1.8$ auto lens, case and strap. Imported. Shpg. wt., 4 lbs.
15 F 37224 L
Net 169.95
"SENSOMAT" 35 MM I/1.4. As above but with fast lens.
15 F 37232 L No Money Down ${ }^{\circ}$
Net 199.95
YASHICA Tl ELECTRO-X 35MM SLR


20995
No Money Down*

- Electronic Thru-the-Lens IC Exposure Readout System
- Electronically Operated Metal FP Shutter
Advanced SLR camera features rugged integrated circuitry which controls the CdS thru-the-lens exposure system. Electronic readout signals over or under exposure in the vlewfinder and is coupled to the aperture and the shutter. Switch sets diaphragm for manual operation. Quiet, Copal Square metal shutter is electronically operated; gives precise speeds continuously from 2 sec . $10 \mathrm{l} 1 / 1000 \mathrm{sec}$. plus B. System functions perfectly even in hot or cold conditions. Takes average reading at stopped-down aperature. Full focusing screen. With automatic FP-X sync selector, hot shoe for flash, self. timer, battery checker, and mirror lock. Shard $4 / 1.7,50 \mathrm{~mm}$ lens. ASA 25.800 . Imported. ShPg. wt., $31 / 2 \mathrm{lbs}$.
15 F 36555 L
Net 209.95

$109^{95}$
No Money Down*

Fully coupled, behind-the-lens, CdS exposure meter system measures illumination at full aperature. Match needles 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 mm lens features bayonet mounting and fully automatic diaphragm. Camera accepts full range of Kowa tenses. Features easy-foading, leaf shutter, $1-1 / 500$ th plus $B$, rapid film advance, auto-reset film counter, self-timer. M or X sync. Imported. Shpg wt.. 2 lbs.
15 FEs 305 si No Money Down* $\mathrm{N} t 109.95$

Lafayette Cat. No. 710

-See Page 11 for Fill Credit Details on Easy Pay Plan



No Money Down*


\author{

- CdS Electric Eye - Fast 45 MM F/1.8 Lens <br> - Aperture Readings Are Visible In The Viewfinder
}

Model 503. Just focus and shoot! Perfect exposure is assured by the fully autonatic cross coupled CoS exposure meter. Camera functions auromatically with a manual override. Features shutter speeds from $1-1 / 500$ th and B , flash synch. at all geeds, self-timer, ASA to 430 , combinatien range/viewfinder with parallax correction marks, f.stop and warning signal appear in finder, ra pid film advance, and an auto. reset film counter, Includes $45 \mathrm{~mm} / 1.85$-element lens case and strap. imported.
15 F78176. Shpg. wt., 21/4 lbs.
Net 59.95

| AIAEOLIFT | AIREQUIPT | AIREQUIPT |
| :--- | :--- | :--- |
| SEMIAUTOMATIC | REMOTE CONTROL | ELECTRONIC FOCUS |
| SLIDE PROJECTOR | SLIDE PROJECTOR | SLIDE PROJECTOR |

# Photo Flash, Strobes and Viewers 



- Recycles in 7-10 Seconds - Use Horizontally or Vertically Lightweight strobe weighs under 7 02. with batteries for easy carrying on the camera at all times. Small size: $31 / 4 \times 23 / 8 \times 13 / \mathrm{s}^{\prime \prime}$. Hot shoe adapter allows vertical or horizontal use for best flash coverage. Recycles iń $7-10$ seconds on 2 easily replaceable penlight batteries. Kodachrome II (ASA 25) guide no. of 28. Flash duration: $1 / 2000 \mathrm{sec}$. Color temperature: 6000 K . On/Off switch to prolong battery life. Neon lamp signals when strobe is ready to fire. Bultt-In PC cord prevents loss. Imported. Shpg. wt., 1 lb .
99 F 71128
Net 11.95
"AA" Alkaline Batteries for above (2 req.).
99 F 63828
Net ea.
.35



## hi-beam II electronic strobe flash

- With Built-in Rechargeable Nickel Cadmium Batteries and Charger


## $26^{95}$

Compact, powerful flash no larger than a cigarette pack and weighing only $81 / 2 \mathrm{oz}$. gives you light where and when you need it. Guide No. 40 for ASA 25 films. $1 / 3000-\mathrm{sec}$. flash duration. Operates on 110 VAC with built-in cord or its self-contalned rechargeable nickel cadmium batteries. Shoot every 10 seconds with up to 60 flashes per charge. Reflector coverage is $55^{\circ}$, color temperature is balanced for all daylight and $B 8$ W andior. color films. Size: $3 \$_{0} \times 21 / 2 \times 11 / 4$ ". Imported. Shpg. wt., $11 / 4$ lbs.
15 F 36395
Net 26.95

## LAFAYETTE BOUNCE-LITE BC FLASH



- Complete with Vinyl Case

Compact flash unit tilts to many positions, allowing use of professional bounce-light technique for softer, more natural looking flash pictures. Accepts AG-1, M2, M3, M5 and 25 bulbs without any adapler. Includes: spring action ejector; positive shoe lock; retractable PC cord; exposure indicator dial, and flashbulb tester. Complete with vinyl case. Less battery. Imported.
99 F 71870 Shpg. wt., 1 lb.
Net 2.95
32 F 48366 Battery for above
Net 1.17

## $2 \times 2$ SLIDE FILE

Portable file for 35 mm , Instamatic slides-holds $300 \quad 2 \times 2$ cardboard slides or 150 aluminum, metal or glass mounts. Index card and permanent, molded-in numbering system permit you to instantly find your slide. Made of rugged high impact polystyrene. Shpg. wt., 2 lbs. 15 F 50227

Net 1.99

## SELF-TIMER FOR POLAROID CAMERAS



Self-Timer lets you put yourself in the picture. Can be preset from 5 to 15 seconds. Shutter will snap automatically. FOR ALL COLOR PACK CAMERAS, SERIES 300, 200 and 100. Shpr. wt. 502.
15 F 49484
Net 4.50

## ULTRABLITZ CORNET "100" <br> ELECTRONIC FLASH



- Operates on Batteries or AC
- Fully Transistorized
- Re-cycling Time 5.12 Seconds
- With AC Cord

Featuring compact design and quality transistorized circultry. Uses two "C" type batteries or AC. Solld state circuit for low battery drain and constant high intensity output. F-stop computer, retract; able pc cord and "hot center contact" for cameras and "hot shoe." Gulde No's: Kodachrome II (ASA 25) 44; (ASA 64) 63; TrI-X (ASA 400) 176. Color temp: $5600^{\circ} \mathrm{K}$. Angle of illumination: Vertical; $50^{\circ}$, Horizontal; $58^{\circ}$ Ready light indicator. Imported. "Śhpg. wit., $11 / 4 \mathrm{lbs}$. 15 F 37158 Net 19.95 99 F 63802 Alkaline Batterles for above (2 req.) .............. et ea. . 44

## ULTRABLItz bauer e-160 Electronic flash



$$
4,95 \quad \begin{gathered}
\text { No } \\
\text { Money } \\
\text { Down }
\end{gathered}
$$

- With Built-in Rechargeable Nickel Cadmium Batteries
- Compact-Only $11 / 10 \mathrm{~W} \times 31 / 2 \mathrm{H} \times 27 / 8{ }^{\text {" } D}$
- Includes Recharger

Very compact, lightweight strobe adds only $81 / 2 \mathrm{oz}$. to your camera. Packs the power of larger, heavier units. Provides 1250 BCPS with a Kodachrome II (ASA 25) guide no. of 45 . Fast, $1 / 500 \mathrm{sec}$. action-stopping light. Operates on battery which provides up to 45 flashes per charge or with AC adapter. Recycles in 6 sec . on AC or $8-10 \mathrm{sec}$. with ni-cad battery. Beam coverage: $73^{\circ}$ horizontal $\times 53^{\circ}$ vertical. With open flash button, f-stop computer and ready light. $5600^{\circ} \mathrm{K}$. Hot shoe mounting or interchangeable $9^{\prime \prime}$ PC sync cord. Complete with AC adapter/charger, $9^{\prime \prime}$ sync cord and buit-in nickel cadmium battery. Imported. For 110 or 220 VAC . $40-60 \mathrm{~Hz}$. Shpg. wt., 2 lbs.
15 F 372731
Net 44.95


## 35MM SLIDE SORTER

The illuminated $11^{\prime \prime} \times 15^{\prime \prime}$ inspection screen is large enough to see a whole tray full of slides (35) at one time. Folds flat in a jiffy for compact storage, bulit-in lillumination with on-off swlter. 6 it. line cord; can be used with 110 or 120 volts, AC or DC. Size: $15 \times 81 / 2 \times 81 / 2^{\prime \prime}$. Shpg. wt., 2 lbs .
15 F 36168
Net 2.95

## ULTRA-VIEW AUTOMATIC VIEWER



Illuminated, automatic slide viewer holds up to $36-2 \times 2$ slides in any type of mount. Jam-proof slide changing with easy, fast front loading and unloading. $9 X$ lens system gives $3 \times 21 / 2^{\prime \prime \prime}$ distortion-free viewing image. Lamp is ON only when sllde is in front of lens to conserve battery life. Easy access to lamp and batieries. Operates on 2 " C " cells. 15 F 62016 Wt., 3 lbs. .... Net 6.95 Batterles for above. 2 requlred. 99 F 63687 Wt. $^{2} 402$. .. Net ea. 20
REMOTE SHUTTER RELEASE


Designed to permit the camera to be used from distances up to 20 feet from the photographer. Simplifies nature shots. Excellent for candid shots of children. Has a professional rubber bulb. Shpg. wt., 802. 15 F 49021

# Telephoto and Close-Up Lenses 

## SOLIGOR LENSES FOR TELEPHOTO OR WIDEANGLE SHOTS

 interchangable lenses designed for use with singie lens reflex cameras. Each precision lens is hard coated and fully color corrected Shipped Prepaid Dlrectty From Factory. No C.O.D. Send Full Remltance or Use Latayette's Easy Pay Plan*.


#### Abstract

Fully automatic lenses which couple to cam era's internal meter system where neces. sary. Lightweight and compact design. Fit the following SLR cameras: Miranda Sensor. ex, Icarex, and Exakta. Please specify make and model of camera. Stock No. Auto T4 Lenses Net 15 F $37398228 \mathrm{~mm} / / 2.8$ W.A. $\quad \mathbf{8 9 . 9 5}$ 15 F $374062135 \mathrm{~mm} / / 2.8$ Tele. $\quad 74.95$  $\begin{array}{lllll}\text { I5 F } 374222 & 300 \mathrm{~mm} \text { f/5.5 Tele. } & & 104.95 \\ \text { I5 F } 374302 & 90.230 \mathrm{~mm} \text { Zoom f/4.5 } & 159.95\end{array}$


High quailty, fully automatic lenses for many SLR cameras including Canon FL; Minolta SR serles, SRT 101; Miranda F, FV, G, Senso. mat; Nikon; Pentax. Manual diaphiragm control when desired. Full lens versatility. Specify make and model of camera.

| Stock Ne. | Auto Lens | Net |
| :---: | :---: | :---: |
| 15 F 372812 | $28 \mathrm{~mm} \mathrm{f/2.8} \mathrm{W.A}$. | 64.95 |
| 15 F 372992 | 135 mm f/2.8 Tele. | 59.95 |
| 15 F 373072 | 200 mm f/3.5 Tele. | 79.95 |
| 15 F 373152 | $300 \mathrm{~mm} / 15.5$ Tele. | 99.95 |
| 15 F 373232 | 90.230 mm 200m f/4.5 | 139.95 |



Low cost preset lenses for Ilmited budgets. Compact, precision optics for most SLR cameras. Fuil range of focal lengths from wide angle to lang telephotos to make previously "impossible" shots a reality. Specity make and model of camera.

| Stock No. | Preset Lenses | Ne |
| :---: | :---: | :---: |
| 15 F 373312 | $28 \mathrm{~mm} \mathrm{f/2.8} \mathrm{W.A}$. | 49.95 |
| 15 F 373492 | $35 \mathrm{~mm} / 1 / 3.5$ W.A. | 24.95 |
| 15 F 373562 | $85 \mathrm{~mm} \mathrm{f/1.5} \mathrm{Tele}$. | 89.95 |
| 15 F 373642 | $135 \mathrm{~mm} / 1 / 3.5$ Tele. | 29.95 |
| 15 F 373722 | $180 \mathrm{~mm} \mathrm{f/3.5}$ Tele. | 39.95 |
| 15 F 373802 | 250 mm f/4.5 Teie. | 74.95 |

## LENS SET FOR POLAROID CAMERAS



- Wide Angle \& Telephoto Lens
- View Finder

An Ideal companion to the Polarold Camera. Telephoto lens increases the focal length of the lens and results in a 3 times area magnification. Wide Angle lens provides a $75 \%$ increase of subject area. Each lens has a "conversion band scale." Supplied with slip-on adapter ring, vlew finder and case with shoulder strap. Imported. Wt. $11 / 4 \mathrm{lbs}$. For Polaroid Models $100,101,103,230,240$. 250, 340, 350, 360.
15 F 49237
Net 29.99
15 F 49302
Net 25.95

## G.E OR SYLVANIA PROJECTION LAMPS



Exact replacement projection lamps for most movie and slide projectors. We will fill your order with elther G.E. or Sylvanla depending on stock avaliability. *Lafayette imports. Shpg. wt., 6 oz .

| Stock No. | $\begin{gathered} \text { ASA } \\ \text { Code } \end{gathered}$ | Watts | Net Ea. |
| :---: | :---: | :---: | :---: |
| 15 F 36713 | BCK | 500 | 12.40 |
| 15 F 36721 | CBA | 500 | 12.85 |
| 15 F 36564 | CLS/CLG | 300 | 4.25 |
| 15 F 36572 | CYC | 300 | 4.25 |
| 15 F 36580 | CZA/CZB | 500 | 6.20 |
| 15 F 36739 | CEX/DAB | 500 | 5.95 |
| 15 F 36598 | DAK | 500 | 5.65 |
| 15 F 36606 | DCA | 150 | 6.45 |
| 15 F 36614 | DCH/DJA | 150 | 5.95 |
| 15 F 36622 | ODS | 500 | 6.20 |
| 15 F 36630 | DEF | 150 | 7.20 |
| 15 F 36648 | DEK/DFW | 500 | 6.40 |
| 15 F 36655 | DFA/DJ | 150 | 6.45 |
| 15 F 36663 | DFC/DFN | 150 | 5.95 |
| 15 F 36671 | DFG | 150 | 5.95 |
| 15 F 36697 | DLS/DLG | 150 | 7.05 |
| 99 F 71219 | EDK* | 500 | 1.99 |
| 15 F 36747 | EGH | 500 | 11.40 |

AUXILIARY LENS SETS
Add Telephoto And Wide
Angle To Your Camera


- Telephoto-

Twice As Close! - Wide Angle$75 \%$ More

## As Low As



Telephoto shots-wide angle shots of extreme close ups. Easy as $1-2-3$ with the new auxliary lenses. Each lens is hard coated for maximum light transmission. Prefocused and color corrected. No increase in exposure setting is necessary. Bring your subject twice as close with Telephoto - add with any color or black and white film. $75 \%$ more area with the Wide-Angle. Use Auxlllaries mount by means of series 6 or 7 adapter ring. Imported. Shpg. wt., 1 ib . Auxillary Lens Set (Series 5)
15 F 496091 $\qquad$ Net 22.95 Auxiliary Lens Set (Series 7) 15 F 49591 L Net 31.95

## VarI-CLOSE-UP LENS FOR SLR CAMERAS

## $22^{95}$



- Sharp Focus From 3 Feet
to 1 Inch Without Distortion
Variable magnification $(+1$ to +10 diopters), close-up lens for use on normal and medlum telephoto lenses. Can be used with any single lens reflex, focusing camera elither still or movie. Attaches easily to front of iens with series VII adapter ring Does not interfere with automatic dlaphragm and does not interfere with bullt-in meter systems of most cameras. No exposure compensation needed. Shpg. wt., 1/2 ib.
15 F 36523


## WIDE ANGLE AND TELEPHOTO LENSES for KODAK INSTAMATIC CAMERAS



Increase your cameras' versatility with a wide angle or telephoto lens. No adjustments 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 is 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 builtin viewfinder. Shpg. wt., 402.

For Instamatic Models-
$104,154,100,150,124 \mathrm{R}, 174 \mathrm{R}$ Hawkeye 50, 15 F 49351 wide Angle Lens ......Net 5.95 15 F 49369 Telephoto Lens $\quad$ Net 5.95

For Instamatic Models-304, 404, 300, 400 15 F 49377 Wide Angle Lens _... Net 5.95 Is F 49385 Telephoto Lens $\qquad$ Net 5.95

Complete Lens Set of Wide Angle, Telephoto, Viewfinder with Case.
(Not IHustrated)
For Instamatic Models-S-10, S-20
15 F 49393 Shpe. wt. 1 lb.
For Instamatic Models- 314,414
5 F 49575 Shpz w t l 414 For instamatic Models- 714,814 15 F 49583 Shp3. wt., $1 \mathrm{lb}, 814$ Net 17.95 For Instamatic Wodels-704, 804, 700, 800 18 F 49401 Shpg, wt., 1 lb, ........ Net 17.95

## CLOSE.UP ATTACHMENT FIR KODAK INSTAMATIC <br> CAMERAS <br> 

Add to the versatlity of your instamatic camera with this handy close-up attachment. Stips easily onto the front of the lens. For use with all black and white, and color films. Shpg. wt., 4 oz.
For Instamatic 100, 150, 104, 124R, 154, 174R
15 F 36507
Net 2.49
For Instamatic 300, 350, 304, 354.
15 F 36515
Net 2.49

(A) " 16 II " SUBMINIATURE CAMERA

An extremely easy-to-operate, palm-size camera. SIlding camera in and out of built-in case advances film, cocks, shutter, counts exposure and prevents double exposure-all automatically. 6 shutter speeds from $1 / 30$ to $1 / 500 \mathrm{sec}$. plus "B" Takes B \& W pictures, color prints or color slides that fit any 35 mm projector. Direct viewfinder shows picture exactly as it will appear on fllm. Lens opening from $\mathrm{f} / 2.8$ to $\mathrm{f} / 16$. With Case. Imported. Shpg. wt., 1 ib. 15 F 34163 L
MINOLTA 16 II Accessorles. AV. Shpg. wt., 602. 15 F 34213 Duo Fit Flash Gun

Net 34.95
Net 7.95
15 F 34221 Bracket for Flash and Tripod Mts. $\qquad$ 15 F 34239 Aux. Lens Set- 2 closeup. 1 distance, 1 Y filter Net 1.95 Net 4.95 15 F 34247 Color Fliter Set-1 ea. 1A, 80A, $81 B$ Net 4.95 FILM FOR "16 11 "-All are 20 -exposure magazines, Shpg. wi., 3 oz. 15 F 341711 Kodak Plus-X ASA 100 Nét 1.19 15. F 341 97L Kodachrome If ASA 25 $\qquad$ 15 F 34189 L Kodak Double.X ASA 250 Net 1.19 15 F 34502L Ektacolor Negative (color prints) ASA $80 \ldots$ Net 1.80

## (B) MINI-"16" COLOR SLIDE PROJECTOR

Compact, lightweight projector to match Minolta and other 16 mm Sub-miniature cameras. Sharp 40 mm Rokhor $\mathrm{F} / 2.5$ lens. Includes deluxe vinyt carrying case, standard slide carrier and 75 watt projector tamp. For $\mathbf{1 1 0 - 1 2 0}$ volts AC-DC. Imported. 15 F 34353 Shpg. wt., $31 / 2 \mathrm{lbs}$.

Net 34.95

## YASHICA atoron ULTRAMINIATURE CAMERA KIT

 TERS, FLASHGUN, CHAIN STRAP, AND BUILT-IN MATCHNEEDLE EXPOSURE METER.

Only


Uitraminiature, lightweight camera accepts Minox-type film cartridges. Features drop-in loading-no film threading-no double exposures-no rewinding. Advanced, programmed shutter with speeds from $1 / 45$ to $1 / 250$ sec. plus bulb. Matchneedle exposure system with ASA range from $25-400$. Yashinon $1 / 2.8,18 \mathrm{~mm}$ lens gives detalted black and white, color prints and color slides, Bright, optical viewfinder can be used even in dimly ilt surroundings. Parallax correction frame, visible in viewtinder, allows accurate framing when shooting closeup. Camera has built.in UV and Y2 filters. Includes camera and case, additional NO4X and 80B filters, cordless AG flashgun, and chain strap. Imported. Shpg. wt., $11 / 2$ lbs. 15 F 362591 . No Money Down*

Net 89.95
PRELOADED CARTRIDGE FILM FOR ATORON. Av. shpg. wt., $30 z$
15 F 36267 L 40 exposure ASA 125 B \& W Net 2.19 15 F 36275 L 40 exposure XT-Pan ASA 25 B \& W. 15 F 36283 L 40 exposure Kodachrome II Slides. $\qquad$ Net 2.19 15 F 36291140 exoosure Ektacolor S Prints. Net 2.59
Net 3.19 32 F 47541 Datteries for above. Pkg of 2 Net 66


## LAFAYETTE AG CUBE ADAPTER

Now you can make your own flash cube by simply inserting 4 AG type bulbs into this sturdy reusable adapter. Will fit any camera with a llashcube socket. Imported. Shpg. wt., 302.
99 F 72076
Net Ea. . 99

KODAK


NSTAMATIC CAMERA COLOR OUTFITS


- Uses Pop-on Magicubes

Model AX-15R Outfit. Simple-to-operate camera with Lumenized //11 Model AX-15R Outfit. Simple-to-operate camera with Lumenized f/11 prefocused lens for quality pictures. Bright, large viewfinder for realistic viewing. Quick film advance. Uses self-powered Magicube flashcube which requires no batteries. Automatically adjusts for outdoor or flash shooting. "Used Lamp" shows in viewfinder when new Magicube required. Outflt: camera with wriststrap, Kodacolor-X fitm cartridge, Magicube, and instructions.
15 F 26375 L Shpg. wt., $11 / 2 \mathrm{lbs}$.
Net 19.95
Model $\boldsymbol{M X}$-25R Outfit. Features automallc film advance for up to 12 pictures in 12 sec . Uses self-powered Magicube flashcube which requires no batteries. "Used Lamp" shows in viewfinder when new Magicube required. Bright, large viewfinder for true-to-life vlewing. f/11 Lumenized prefocused lens. Automatically adjusts for flash or outdoor operation. Outfit: camera with wriststrap. Kodacolor-X film cartridge, Magicube, and instructions.
15 F 26383 L Shpg. wt., $1 / 2$ lbs.
Net 29.95


## Minolta

Autopak 550

## $44^{95}$

- Fully Automatic Cas Electric Eye
Complete automation in an easy to operate, instant-loading camera! Focusing from 3.3 ft . to infinity. Flashcube can stay on at all timesfires automatically-only when needed. Flash indicator visible in viewfinder. Flashcube rotates automatically. Daylight flash button for overoriding automatic exposure for activating flash circuit. Automatic shutter settings of $1 / 90$ or $1 / 45$ for 1 lash. 4 element, $1: 2.8$, 38 mm Rokker lens. Bright viewfinder, automatic ASA setting. With batt. and strap. $45 / 9^{\prime \prime} \times 23 / 4^{\prime \prime} \times 21 / 4^{\prime \prime}$ imported.
15 F 345691 No Money Down*
Net 44.95


## KODAK FILM with PROCESSING INCLUDED

- Slides Returmed Mounted, Ready for View.
ligg or Showing! - Convenlent, direct-mall "mallers" in every roll
After the complete roll has been filmed, put it into the maller, drop into a mailbox and in $a^{\text {a }}$ few days your finished fllms are delivered postpatd to your door. You get $31 / 2^{\prime \prime}$ square prints with $\mathrm{cx}-126$ color snapshots and $31 / 2^{\prime \prime} \times 5^{\prime \prime}$ glant prints with cx-135 color snapshots.
Should you get less than the full number of prints or printable negatives per roll you will recelve coupons for additionat FREE prints. DO NOT MAIL FILM TO LAFAYETTE RADIO. Av. shpg, wt.. 602.

KODACHROME STANDARD 8MM MOVIE FILM-TYPE 11
ASA Index 25 Daylight-40 "A" Indoor


## FLASHCUBES



For use with standard flashcube cameras. 4 flash pictures without changing bulbs. Pkg. of 3 cubes takes 12 pictures.
15 F 26326 L Shpg. wt., 6 oz . ........................ Net 1.49
New Magicube Type X used with new Kodak series "X" cameras only. Phg. of 3 cubes, takes 12 snapshots. 15 F 47330 L shgg. wt. 602.
-See Page 11 for Full Credit Details on Easy Pay Plan

# Polaroid 

MODEL 360 with Electronic Flash

- Builit-in Electronic Flash with
Automatic Recharger
- Built-In Electronic Timer

No Money Down*
Advanced Colorpack camera with clip-on electronic flash which eliminates the bother of carrying extra flastoulbs. Have finished color pictures in a minute, black and white in seconds. Features built-In timer, two exposure ranges for color and two for black and white, lighten-darken centrol, and transistorized electronic shutter. Accurate Zeiss Ikon range and viewfinder. Triplet lens and electric eye exposure control for superior pictures. Shutter lock prevents accidental exposure. Automafic recharger for electronic flash operates on house current. Deluxe, brushed chrome construction. 15 F 30203 L Shpg. wt., 3 lbs. ................................ 179.95
See Film and Accessory Listing Below.


$29^{95}$

- Produces Color Pictures in a Minute, Black and White in Seconds


Easy loading, no threading or winding. Senslitive electric-eye measures the light of the subject and combines with the transistorized electronic shutter to set exposures automatically. Three element lens produces sharp pictures. Flash is built-in, simply snap un a flashcube for Indoor pictures no special exposure setting mecessary. Distance settings are visible in the viewfinder. T-bar insures accurate tab pulling. Lighten-Darken control. Shutter lock prevents accidental exposures. Shpg. wt., 3 lbs.
15 F 30179 L
Net 29.95
See Flim and Accessory Listing Below

Transistorized electronic shutter and electric eye automatically set the exposure for perfect pictures the first time you use it. Deluxe range and viewfinder for accurate focusing and framing. Optional automatic flash takes the guesswork out of Indoor picture taking. fust aim and shoot. Easy to load, no film threading. With lightendarken control to adjust for unusual lighting conditions and shutter lock to prevent accidental exposures. Produces color plctures in a minute, black and white in seconds. Shigg. wt., 3 tbs. 15 F 301 B TWK

Net 56.95
See Film ard Accessories Listing Below.

## FILM AND ACCESSORIES FOR POLAROID CAMERAS

Carryall Case for 320 and 360 Cameras. 15 F 16137 Shpg. wt., 2 lbs. Carryall Case for Colorpack II. 15 F 16145 Shpg. wt., 2 bs. Trpe 107 B \& W Film Pack. 8 exp. 15 F 30211 L Shpg. $\mathrm{wt}_{41} 8 \mathrm{oz}$.
Type 108 Color Film Pack. 8 exp.
15 F 30161 L Shpg. wt. 8 oz.
Flash Attachment for 320.
15 F 30195 L Shpg. wt., 1 lb.
Net 4.95 Net 2.95

Net 2.50
Net 4.69

Flashcubes ply of 3 tanes it shot
15 F 26326 L Shpg. wt., 6 oz.
Net 1.49

## DEVELOPMENT TIMER FOR POLAROID

## $5^{95}$

- 10 to 120 Seconds


Development Timer avoids wasting exepnsive color flim through improper development. Now you don't have to count to develop your Polarold film. Get top notch pictures every time. Can be set for up to 120 seconds in 10 second intervals. For all Color Pack cameras. Bell rings when time is up. Imported. 15 F 49534 Shpg. wt., $1 / 2 \mathrm{fb}$.

## DELUXE PHOTO COPIER FOR POLAROID CAMERAS



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 bulli-In linecord switch and glare-free lamps. CSA and UL listed. Shpg. wt., 2 lbs.
For Potaroid Series 100, 200, 300 Colerpack Cameras.
15 F 16160
Net 17.95


Want copies of your Polarold snapshots? Make them yourself on the spot in as littie as 15 seconds using your present polaroid. It's easy! Imported. Shpr. wt., 2 lbs. For Polaroid Series $100,200,300$ Colorpack Cameras.
15 F 48500
Net 7.95
FOR POLAROID COLOR PACK II, III CAMERA
15 F 49559
Net 7.95
FOR POLAROID SWINGER 20
15 F 49518
Net 5.95
FOR BIG SWINGER
15 F 49526

## LAFAYETTE CdS EXPOSURE METER



## ONLY $14^{95}$

- High Quality, Uitra-Sensitive-Measures Moonlight, Candlelight, Bouncelight
- With Padded Vinyl Carrying Strap Case and Neck Strap

Achieve correctly exposed photographs and slides from the light of a single candle with this versatile, low cost Lafayette meter. Ulita-sensitive CdS protocell meter utilizes dual light ranges to accurately measure light intensity including extremely low light levels for night and avallable light photography plus bright beach and snow scenes. Operates com fortably 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 maintaining accurate readings. Provision for zero adjustment. long Ilfe mercury battery (included) assures accuracy over continuous use. Precision jeweled mechanism in high impact case. Size: $3 \geqslant / 4 \times 21 / 5 \times 11 / 4^{=0} 0$. With padded vinyl carrying case and neck cord. imported. Shpg. wt., 9 oz.
99 F 71961 L $\qquad$ Net 14.95

## SPECIFICATIONS

Sensttivity: Low Range, 0.275 to 444 footcandles; High Range, 444 to 36,674 footcandles ASA Film Speed Range: 6 to 12,000 . DIM: 9 to 42 . Diaphragm Stops: $\mathrm{f} / 1$ to $/ 32$. Shutter speeds: $1 / 8000$ to 8 minutes. Movie Scale: 8 to 128 frames per second. EV Scale: -3 to +22. Acceptance Angle: $50^{\circ}$. Color Response: 6,200 Angstroms (peak). Photocell Type: cadmium sulphide. Battery: 1 mercury, RM- 625 or equivalent.

The perfect accessory bag for professionals or camera bugs. Heavy duty bags will hold movie, reflex, 35 mm and press cameras, flash guns, bulbs, meters and a host of other Items. Constructed of durable vinyl material with red corduroy lining and non-jam zipper. Leather loops, hand strap and front key lock.
PRO 13 SIze: $13 \times 10 \times 6 \mathrm{~m}$. Shpg. wt. $41 / 4 \mathrm{lbs}$ 15 F 16079
$13 \times 10 \times 6{ }^{6}$. Shpg. wt Net 11.95 PRO 16 Size: $16 \times 7 \times 94 / 2^{\prime \prime}$. Wt., $41 / 4$ lbs. 15 F 16087

Net 15.95

## DELUXE GADGET BAG



Fine quality gadget bag of scuff and waterresistant vinyl, with a heavy duty wraparound zipper. Red corduroy lined interior adjusts for various pieces of photographic equipment. Features a front leather pocket $-8 \times 5 \times 11 / 2^{\prime \prime}$. Includes shoulder strap and durable, pollshed hardware, Overall size: $10 \times 5 \times 8^{\circ}$. Shpg. wt., $21 / 2$ lbs.

## 15 F 16129

## CLAMP TRIPOD

An indispensable photographic accessory. Combines in one small unit, a clamp. filt top, and table top tripod. Legs stored in shaft. Will clamp to trees, pipes, light stand, car, window, etc. Supplied, complete with zipper case. Shpr. wt.. 1 lb. 15 F 39022 ........... Net 0.50

Net 7.95


- 3-Sections Extend to $60^{\circ}$


Stability and minimum weight make for easy portability. Suitable for both stifl and movie cameras Quick column lift allows you to ralse camera in a llffy and lock it at desired height. Reversible pan-tit hande permits, right or left handed operation at varying helghts. 3 -section nonbinding alumiIted tubular legs have grip-tite internal lock and non-silp protective feet. Constructed of sturdy Ilghtwelght diecastings and chrome finished cycolac. Overall extended height: 64*. Closed length: 22". Shpg. wt., 4 lbs
15 F 68021 Net 12.95

## ELEVATOR TRIPOD



- Tri-Tilt Head
- Velvet Smooth Panning

For any small camera -35 mm , reflex or movie. Compact and IIghtweight folds to $16^{\prime \prime}$, extends to $47^{\prime \prime}$ plus $7^{\prime \prime}$ with geared center elevator. Single action tilt/pan and $180^{\circ}$ swing over for vertical and horizontal format pictures. Pos. Itive lock. folding crank. Chrome plateg brass legs. Imported. Shpg. wi., 2 lbs.

99 F 70294 Net 6.95

## SOLIGOR "UF" DUAL RANGE CdS EXPOSURE METER


$10^{95}$

- Includes Zipper Case, Neck Strap, and Batten
- ASA Speeds From 6 to 6400

Sensitive dual range CdS exposure meter in a ultra modern, sllmiline body designed for single hand operation and easy carrying CdS electric eye circultry assures correct readings from moonlight to dazzllng, brilliant sunlight. High-Low light ranges permit ac curate easy calibration. Large computer dila clearly Indicates correct exposure possibilities. Accepts film speeds from ASA 6 to 6400, diaphram stops from $f / 1$ to $1 / 32$, and shutter speeds from 30 seconds to $1 / 2000$ th of a second. EV scale: - 4 to +20 . Clne: $8-32$ fps. Din: 9-39. On/off switch conserves battery. Shpg. wt., 1/2 lb.
15 F 37265 L
Net 10.95
" 35 " CLIP-ON EXPOSURE METER


- ASA Scale 10 to 1000
- Weighs 1 Oz .

Exceptionally convenient exposure meter. Clips right on camera-quick easy reading. Gives better, more accurate exposed pictures with a minimum of elfort. Speeds $1 / 1000$ to 1 second. Lens aperture $1: 1.4$ to $f: 22$. Mounts on camera or may be hand held. Complete with leather case and instructions. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$
99 F 70344 Net 4.95


# MINI-BIKES 

- Easily Transported-Ideal for Teens, Hunters,

Campers, Fishermen, Farmers, and Ranchers

- Factory Assembled


## DELUXE $3 ½$ HP MINI-BIKE $\dagger$

- Runs Up To 29 MPH

Comfortaole ride with rugged twin-beam cantilever frame, full coll spring front and rear suspension, $15^{\prime \prime}$ rolied and pleated polyfoam seat, large $121 / 夕^{\prime \prime}$ knobby pneumatic tires with 6 " steel fims with permanertly fubricated bearings and a powerful $31 / 2 \mathrm{HP}$ Industrial Lauson engine with a $512: 1$ reduction for high torque and speed. Also includes sure-stopping aircraft-type disc brake and convenient motorcycle throttle and brake lever. On/off key lock lignition switch lor safety. All steel automatic clutch. Altractive, fuil length chromed steel fenders and chain guard. Bonded enamel finished frame. includes footrests, kickstand and 2 qL gas lank. $7^{*}$ road cleanance. 37" wheelbase. $4^{\circ "}$ overall. Fully assembled. Weighs only 79 lbs. Shpg. Wt., 89 lbs . 13 F 68513 WX No Money Down*

Net 169.95

## 3½HP MINI-BIKE $\dagger$

Similar to Deluxe $31 / 2 H P$ Minl-Bike but with double-loop frame, coll spring front suspension only, $6^{\prime \prime}$ road clearance, $38^{\circ \prime}$ wheelbase and $50^{\prime \prime}$ overall length. Shpg. wt., 85 lbs. 13 F 68521WX No Money Down* $\qquad$ Net 154.95

## 2½HP MINI-BIKE ${ }^{\dagger}$

- Runs Up To 23 MPH

Lightweight, dependable mini-blke for traveling up to 23 MPH . 21/2HP Industrial Lauson engine with a $5 \frac{1}{2}: 1$ reduction for good pulling power. Features $104 / 2^{*}$ knobby tires front and rear, $4^{" \text { " }}$ steel wheels with permanently lubricated bearings, kickstand, footrests, 12" polyfoam grained seat, twist-grip throttie, hand operated air: craft-type disc brake, colled spring front supension, an all steel automatic clutch and a heavy gauge twin toop tubular steel frame. Full length chromed steel front and rear fenders and chain guard. $51 / 2^{\prime \prime}$ road clearance. $38^{\prime \prime}$ whee ibase. $441 / 2^{\prime \prime}$ overall. Fully assembled. Shpg. Wt., 75 lbs. 13F68562Wx No Money Down* ........................... 129.95


### 5.5 CU. FT.

## COMPACT REFRIGERATOR

The perfect small refrigerator for apartment, home or office. Walnut grain laminate plas. tic top and front, coppertone sides and chrome trim, 5.5 cu . it. (including full size across-top freezer), Deluxe features: 2 removeable, adjustable chrome shelves; 1 heavy duty glass shelf; full size, across-the top freezer; large see-thru vegetable crisper 3 in-door storage racks plus egs holder, 8 pos. thermostat; magnetic door catch, hermetically sealed compressor unit, 2 tone interior and interior light. Imported. 34 Hx $20 \mathrm{~W} \times 23 \mathrm{D}$. Operates on 110 VAC . 60 Hz . 13 F 32790WXZ Wt., 115 lbs ....Net 119.95 Simitar to above, laminated top only, standard interior. white finish. Shpg. wt., 115 lbs. 13 F 32808wxz No Money Down* Net 104.95


### 2.2 CU. FT. COMPACT REFRIGERATOR

Compact refrlgerator holds $2,2 \mathrm{cu}$. ft . (including freezer). Ideal for small apartments. campers, or boats. Freezer accmmmodates 2 ice cube trays. Features in-door storage rack and egg holder; 2 removeable adjustable shelves; hermetically sealed compressor unit; and 7 -position thermostat and magnetic door catch. White linish, Operates on 110 VAC, 60 Hz , Imported. Size: 18 Hz 194/2Wx18"D. Shpg, wt., 65 lbs.
13 F 32766wxz
Net 79.95
Similar to above in coppertone finish. 13 F 32774WXZ

Met 79.95
14" walnut legs for both of above (4).
13 F 327822 Shpg. wt., 2 lbs.... Net 4.95

[^16]

## COMPACT PORTABLE REFRIGERATOR

$7 \Perp \begin{aligned} & \left.95 \begin{array}{l}\text { Works On Both } \\ \\ \\ \\ \\ 12 \text { Volts DC }\end{array}\right)\end{aligned}$
Lightweight 62 cublc foot portable refilgerator perfect for use in autos, trailers. boats, or on pienics. Interior measures 12 $\times 61 / 2 \times 121 / 4$ - and ieatures a high impact PVC plastic liner. Plugs into cligarette Highter or AC outlet. Stores all types of food with the convenience of a home refrigerator. Ice tray for making ice on AC. Quiet operating absorbtion system, no disturbing compressors or motots. Fits almosi anywhere. Out. side dimensions are $140 \times 15 \mathrm{H} \times 151 / 4-\mathrm{W}$. High Impact housing, grey with white top. With power cords. Shpg, wt.. 23 lbs 13 F 32816 W No Money Down* _ Net 74.95 Lafayette Cat. No. 710

347

# High Intensity Lamps 


spot Light T.V. Light Night Light wall Light


## $11^{95}$

## DIAL-A-LITE HIGH INTENSITY LAMP

- Dials Any Degree of Light From Night Light to Bright Light.

Now you can vary your light continuously from a soft glow that is dimmer than a night Ilight to a brilliant, glare-free, white light equivalent to 150 watts of illumination. Slide switch furns $\mathrm{IIght}^{2}$ on or off without disturbing dial setting. Telescoping arm extends to $15^{\prime \prime}$; shade swivels $360^{\circ}$. The lamp can be hung on a wall by using keyhole slot on base. Unit folds down to only $31 / 4 \times 91 / 4$ ". Sand finish. For $120 \mathrm{v} .60 \mathrm{~Hz}, \mathrm{AC}$. Uses GE No. 1129 bulb (included). $117 \mathrm{~V}, 60 \mathrm{~Hz}$. Shpg. wt. $21 / 2$ lbs.
13F81318
Net 11.95


Richly styled high intensity lamp with rosewood inlay on both base and shade. Tip-proof base is of high impact polypropylene which cannot crack, chip, or mar. May be used as a night light in "lo" position when shade is rested on base. Chrome plated steel folding arm directs light in any direction. Equal to 150 -watts of ilfumination with G.E. 1141 bulb supplied. Charcoal finished sides. U. L. Iisted. $117 \mathrm{~V}, 60 \mathrm{~Hz}$. Imported.
12 F 17504 Shpg. wt., $21 / 4$ lbs. .........Net 8.95
HI-LOW INTENSITY LAMP
Directs light where it's needed. A gentle tap glides the "ight to any position and holds it. Speclally deslgned shade stays cool. 117 volt, long-llfe $40 S 11 \mathrm{~N}$ bulb. Smartly designed base is weighted for stability. U.L. listed. Charcoal color. $117 \mathrm{~V}, 60 \mathrm{~Hz}$. 12 F 69547 Shpg. wt., $61 / 4$ lbs.

Net 14.95

## FLUORESCENT DESK LAMP



B]
Fig. A. An attractive all metal fluorescent lamp with combination solid/gooseneck support finished in chrome. Brown metal base with push button light control.. perfect for study, office or den. Translucent white plastic diffuser for maximum light dispersal. Includes 14 -watt, $15^{\prime \prime}$, cool fluorescent bulb. Streamline design complements any room decor, 14 lnches high by 15 inches wide. Provides Illumination anywhere on your work or reading surface. 117 V , 60 Hz . Imported. Shpg. wt., 53/4 lbs.

## 12 F 16027

Net 6.95
Fig. B. Attractlve, all metal desk lamp with two 15 -watt fluorescent bulbs for maximum light. Contemporary design matches any decor. Dual, polished chrome goosenecks and black finlsh base. 181/2" metal shade with plastic light diffuser for high light dispersion and reduced eye fatigue. Great for sfudents, office work, or reading. Pushbutton starter and off switch on base. Height: $17^{\prime \prime}$ With two bulbs. $117 \mathrm{~V}, 60 \mathrm{~Hz}$.
12 F 16043 Shpg. wt., $63 / 4$ lbs.
Net 13.95

## vo Home-Office-Shop Lamps


$16^{95}$

$24^{\circ 5}$

## DELUXE INCANDESCENT LAMP

Model L8-1A. Designed for use wherever work areas must be well illuminated. 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. Iisted, Less bulb.

12 F 69554 w Shpg, wt., 5 t6́s.
Net 16.95

## [8] DELUXE COMBINATION INCANDESCENT

 and FLUORESCENTModel LC-1A. Ideal for use in any oflice or home where maximum lighting efficiency is necessary. Separate switches Independently control each light. Spring-controlled, counter balanced arms
"finger-touch" "stay put" positioning; can be ralsed or lowered, rotates $360^{\circ}$, extends $45^{\prime \prime}$ " "C" clamp mig. bracket. Hándsome dove gray finish. U.L. listed. Less bulbs.
12 F $69562 \mathrm{~W}:$ Shpg. wt., 8 lbs
12 F 7501522 watt, cool white fluorescent lamp
[ C] DELUXE FLUORESCENT MAGNIFIER LAMP
Model LFM.1A. Designed for assembly and inspection of miniature parts, reading numbers and flne print. Spring balanced design; the lightest touch guides the light to any fixed position users hands are left completely free. $5^{\prime \prime}$ magnifier; $360^{\circ}$ swivel; reaches 25 to $45^{\prime \prime}$. Constructed with precision ground lens and die cast aluminum shade. Dove gray. "C" clamp mig. U.L. listed. 12 F 6957 aw Less Bulb. Shpg. wt., $81 / 2 \mathrm{lbs}$.................Net 34.95 12 F 7501522 watt, cool white fluorescent lamp .............Net 3.49

## (D) DELUXE FLUORESCENT DESK LAMP

Model Fl-1A Dual-IIght fluorescent desk lamp with uniquely oesigned shade and inner reflector to produce maximum, non-glare, lighting. Soring balanced extension arms permit smooth, easy adjustment. Has two button starter switch, and top quallty ballast for quiet operation. 45 " reach, $360^{\circ}$ sweep. Includes " C " clamp mig. bracket. Beautifui desert tan. UL listed.
12 F 69586w Less bulbs. Shpg. wt., 9y/ lbs. ................. Net 24.95
12 F 1002015 watt, cool white lamp. (2-required) ..... Net ea. 1.35

## FLUORESCENT MAGNIFYING LAMP

As Low As

Designed for precision work. leatures a $5^{\circ}$ dlameter magnifying glass with a powerful 13* focus, surrounded by a 22 watt shadowfree fluorescent tube. Á 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, laboralory, quality control and other detail work. In kit or assembled form. Shpg. wt., 6 lbs. 12 F 69521 W Kit, less lamp 12 F 69539 W Assembled tess lamp T9, 22-watt, cool white lamp. Sipg, wis, 11 oz . 12 F 75015

.

- Flexible Gooseneck $5^{\prime \prime}$ Lens with $13^{\prime \prime}$ Focus The perfect lamp for the hobbyist who needs plenty of light and magnification for close precislon work. The flexible, gooseneck arm adjusts and holds the lamp in the position you want. Five inch diameter mag. nifying glass; ouerall length about $21 / 2$ feef. Sturdy, clamp-mount base. Uses 22 -watit circline fluorescent lamp.
Less Lamp. Shpg. wt., 8 lbs
12 F 10046
Net 22.95
T9, 22-watt, cool white lamp. Shpg. wt., 1102
12 F 75015


## FLUORESCENT MAGNIFYING LAMP



## $22^{95}$

Lafayctte's 50th Year of Low Prices, Service and Dependability

## STUDY-LYTE CLAMP ON LAMP



Perfect Illumination where you need itmoves, up. down, sideways at your lightest touch, and stays exactly where you put it. From a central position, the 45" arm reach can swing to illuminate any area on a desk or table. six feet long and four feet wide. Sleek all-metal construction with versatile $3^{\prime \prime}$ throat edge clamp. Uses staudard bulb (not included). Avallable in easy-to-assemble kit form or completely assembled.
12 F 63505 W Kit. Shpg. wt., 4 tbs. Net 11.95
12 F 69513 W Assembled .............. Net 13.95

Net 22.95

Ideai for factory benches, tables and drafting boards. Two bolts clamp base securely to any surface up to $3^{\prime \prime}$ thick. Spring-controlled swivel joints and double arm action give you 1 g ght in any desired position. Arm extends $36^{\prime \prime}$. Uses two $\mathbf{7 8}, \mathbf{1 5 - W}$ lamps. For $110-125 \mathrm{~V}$., $60 \mathrm{~Hz}, \mathrm{AC}$. Bronze flinish. Shpg. wt., 10 ibs .
12 F 10012 W Less lamps. Shpg. wt., $91 / 2 \mathrm{lbs}$.
Net 19.95
I8, 15 -watt, cool white lamp. Shpg. wt., 5 oz .


## 12'F 10029 <br> Net ea. 3.49 12F 10029

- Spring Control
- Extends to $45^{\prime \prime}$


## LAFAYETTE CLAMP-TYPE "DRAFTING LAMP"



- Spring Controlled Swivel Joints
- Extends To 30 Inches
- Perfect Illumination Anywhere
A deluxe lamp from Lafayette for perfect, Illumination wherever you require it. Ideal for benches, tables, and drafting boards. Clamps securely to any surface up to $3^{\prime \prime}$ thick. Spring controlled swivel joints and double arm action moves llght in any directlon. Arm extends to 30". Neutral color. For $110.125 \mathrm{~V}, 60$ cycles AC, less bulb. Imported. Shpg, wt., 4 lbs.
99 F 90771
Net 9.95


# LAFAYETTE Wireless Remote Control only $14^{95}$ For Lamps, T.V., Hi-Fi, Household Appliances <br> - Turns Lights and Appliances On and Off From Anywhere In Your Home-By Remote Control! <br> - Simply Plug in and Operate! <br> - A Lafayette Exclusive! <br> Now you may turn on or off any electricat device from anywhere in 

 your home or shop. The lafayette wireless remote control requires no additional wires. Slmply plug in your transmitter wherever you choose In the house, and the appliance, TV, hi-fi system or lights that are plugged in to the receiver will be turned off or on by pressing the button on the transmitter. Perfect for viewing TV or istening to hi-fi in bed. When you get sleepy press the switch and turn everything off. Safe! Simple remote switch of Hights, lamps, radios, TV and appliances. Transmitter and Recelver operate on ordinary house current, receiver accepts any 105 to 120 volt device up to 300 watts. Imported. Shpg. wt., 21/4 lbs. 99 F 91183 Complete Transmitter \& Recelving Unit 99 F 91787 Extra Transmitter Shpg. wt., 11/4 lbs.


## WHISTLE SWITCH

## Only 195

- The Amazing ElectroSonic Switch That Turns Anything 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 household outlet. then electrical appliance is plugged into WHISTLE SWITCH. Nothing further is required. 350 -watt capacity. For 110 Y 60 Hz AC 12 F 78506 Shpg. wt., 10 ot. ........ Net 11.95 Extra Whistle for above 12 F 78514

Net . 50
"Microsonic Beam" switches On/Off any appllance in the home. A touch of the button on the wireless transmitter switches TV, hi-fi, lamps, radios, fans or other electrical devices On/Off up to 40 feet away. Consists of a Teleswitch (minlature receiver), and a Telewand (miniature transmitter). Installs in seconds...just plug the AC cord from the appliance you wish to control into the Teleswitch socket, then plug the AC cord from the Teleswitch into any 110.120 V ., 60 Hz AC wall outlet. For use with up to 7.5 Amps . 860 Watts. Telewand operates on 9 V battery. Shpg. wt., 1402.

## 12 F 87010

99 F 60212 Battery for above.
Extra Telewand for above less battery.
12 F 87028 Shpg. wt., $1 / 2 \mathrm{lb}$.

## AUTOMATIC PHOTO-ELECTRIC LIGHT CONTROL



- Automatic Light Switch
- Turns Lights On At Sunset Off At Sunrise

Automatically tums 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 davilight ${ }^{\text {car lights, flashlights, or lightning will not operate }}$ unit. For $117 \mathrm{~V}_{\mathrm{A}} \mathrm{AC}$. 300 Watts. UL Listed. Shpg. wt., 9 oz .
12 F 28519
Net 3.95

Net 19.95
Net .21
Net 4.95

LAFAYETTE 1000 WATT PHOTO-ELECTRIC LIGHT CONTROL

- Turns Lights On At Sunset Off At Sunrise


Automatically switclies on house, office, or store lights at sunset and off at sunrise. Great for vacation time, or daily 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 brimiantly light an entire house. Brass finish ilfuminator measures only $3^{\prime \prime}$ in diameter. Supplied with a 6 ft . cord. Wt. 1 ib. 12 F 01029


- Tuins Lights On At Dusk/ Off At Dawn Automatically
- Easily Screws Into Fixture Socket

Heips prevent burglary . . . vandalism accident by turning on all your outdoor lights at home, store, office, factory, signs, etc. Screws into any standard or floodilight socket. Compact, requires only $17 / 8^{" 7}$ of additional clearance in fixture. Weather resistant. 300 watts. U.L. listed. Shpg. wt., 1 lb. 12 F 28527


## PHOTO-ELECTRIC LIGHT CONTROL

- Easily Installs In Light Fixtures-Post Lanterns-Etc.
Now! Electronically protect your home in minutes... photo electronic "Lamp Liter" automatically turns lights On at dusk, Off at dawn. Easlly instalts In driveway post lanterns; yard lights around swimming pools, patios, and gardens; or, in expose mounted knockout type switch boxes. Builtin time delay prevents accidental. switching from auto headiamps or flashing lights. UL component listed for 120 volts 800 watts maximum. Size: $1 H \times 1 W \times 21 / 4^{\prime \prime} \mathrm{D}$. Shpg. wt., 6 oz . 13 F 64504
$5^{95}$ 5



# Electronic Dimmers—Electrical Accessories 

## FUSED POWER CONVENIENCE CENTER

Only

## 395

- Mounts Any-whereBench, Walls, Floor.
- 6 Fused Outtets Anywhere


Lafayette's power control center adds six, fused convenient outlets anywhere you choose. Designed to mount of walls, floor, benches, counter tops or for portable use. on/Off rocker switches and panel mounted On/Off indicator light. Bullt-in fused holder with replaceable 15 amp . fuse. Heavy duty 8 -foot line cord. For 120 volts AC 1500 watts. 15 amps. With Fuse. Imported. 99 F 92090 Shpg. wt., 1 lb .......Net 3.95 Phg. of 5 fuses for above 13F 11679 Net .75


- 7 Individual Finger-Touch Rocker Power Switches - 7 Individual "Signal-Glo" On/Off Indicator Lights Provides six isolated, fused three prong " $u$ " 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 light. Built-In fuse compartment gives complete equipment protection. Entire fuse panel pulls out for easy, safe fuse changing. Rat ing: 15 amperes at $100-120$ volts $A C$ ( 1800 Watts). 6 ft . 3 cond. heavy-duty cord. Size: $10 \mathrm{x} \times 6 \mathrm{~W} \times 11 / 4$ " D .
14 F $21106{ }^{2}$ Shpg. wt., 3 lbs
Net 15.95
13 F 11679 Pkg. of 5 fuses Net .81

- Individually Switched Outlets With Indicator Lights

Switchable power ouflet box for wall or bench mounting. Three individually controlled outlets, each with its own indicator light. Measures $4 \times 21 / 2 \times 15 / 8^{\prime \prime}$. Equipped with 3 polarized receptacies, 3 toggle switches, 3 indicator $\mathrm{Ig}_{\mathrm{ghts}} 6 \mathrm{ft}$. line cord. Rated. 5 amps at 125 volts AC/DC. Im. ported. Shag. wt., $3 / 4 \mathrm{lb}$. 99 F 80079

## ELECTRIC OUTLET CONTROL CENTER



- Mount on Bench or Walls, or Keep Portable
If you need extra outlets, you need this Electric Outlet Control Center. Mas six individual 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. Shpg. wt., $11 / 4 \mathrm{lb}$.
14 F 21031 Net 5.95
13 F 11711 Box of 515 amp fuses Net .39


## POWER CONTROL OUTLET BOX



Designed to safely and conveniently dellver power to appliances tools, lights, office equipment, etc. Easily mounted on wall, bench, floor, or kept portable. Sir 3-wire "U" type grounded outlets controlled by one switch. Built-in circuil breaker protects equlpment. Pilof light Indicates when power Is on. Rugged steel case. Rating: $100-120 \mathrm{~V}$ $\mathrm{AC} / \mathrm{DC} @ 15$ amperes. Size: $131 / 2 \times 21 / 4 \times 2^{\circ \prime}$.
12 F 15508 Shpg. wt., $21 / 4$ lbs. ....Net 8.50

## TAP-A-LINE



A must for use in areas having a limited number of outlets. Permits the use of as many as 8 different appliances at one time. Casy to install or use unmounted. Rated at 1000 watts. Ivory colored tough plastic 12" long by $1^{\text {" }}$ square. Four foot heavy cord and plug. Shpg. wt., 1 iv lbs.
12F47014
Net 1.95
Same as above but 2 feet long.
12 F 47122
Net 3.19
CONVERTIBLE GROUND PLUG

## .99

Convertible plug fits all wall outlets-2 or 3 hole, Ground. ing blade is locked firmly in place until Intentionally deflected by depressing the blade-latch button. For use on all hand held tools and appllances. U.L. listed.
12 F 45018


## LAFAYETTE ELECTRONIC LIGHT DIMMER CONTROL



- Full Range-Total

Darkness To
Maximum Brightness

- 600 Watts Capacity

Enjoy modern lighting in any room in your home or office. Soft light for TV viewing, bright light for reading or working. Easy to use, dimming is continuous from off to full illumination. Push on or off at any light level. Fits into standard single gang wall box without rewiring. Ivory plastic knob has brass finish insert. For 120 volts. 60 cy cles AC. Operates incandescent lamps to 600 watt capacity. thighest qualitywe will repair any defect due to material or workmanship within 2 years without charge. Simply ship to Lafayette prepald. Shpg. wt. $1 / 2 \mathrm{lb}$.
12 F01011
Net 5.95

## PORTABLE LAMP DIMMER <br> $9^{95}$

- Use With Any

Incandescent Lamp
Dial the exact intensity of light desired. Create a llghi mood in any room in your home. Full-wave feature allows continuous dimming of arty light load up to 350-watts. Efficient electronic circuit saves you money - pay only for the light you use. With cord and speclal plug/receptacle. For 120 VAC. Gold Color.
13 F 27568 Shpg. wt., $11 / 2$ lbs. ....... Net 9.95
LAMP DIMMER $4^{95}$

- Easily Screws Into Standard Lamo Socket

Solld-state lamp dimmer ellminates special
 wiring. Provides variable brightness to set a mood, TV viewing, etc. Turning lower section of dimmer selects light level from darkness to full bright. Lower intensity levels Increase bulb life and reduce electricity cost. For 1 or 3 -way bulbs up to 250 watts.
12 F 16506 Shpg. wt., $1 / 2 \mathrm{lb} . . . . \quad$ Net 4.95


Ideal as a fire alarm, burglar alarm warning bell. Glves a clear, loud ring to overcome high level background noise. Gleaming chrome-plated bell on a sturdy plastic base. 110 volts: AC. Overall size, 41/4" across and 24/4" deep. Imported. Shpg. wt., 1 lb . 99 F 90235

# Electrical Accessories 



- Complete with Bulb
- Convenient AC Outlet

Ideal for shop or kitchen work counters. Can be mounted on the wall or under a shelf. Mas white plastic diffuser, pushbutton switch, convenlence outlet, cord and plug. With 15 -watt bulb. White enamel finish. Size: $181 / 4 \times 35 / 8 \times 11 / 4 \mathrm{H}$. $23 / 4 \mathrm{lbs}$.
12 F 16050
12 F 10020 Replacement 8ulb. Shpg. wt., 602.

Net 4.95 Net 1.35

PROGRESS CEILING or WALL FAN Only 11
.

- Ideal for Bathroom, Utillty or Recreation Room
- Attractive Aluminum Grille

Utility ventlating fan of compact design. Fits in "problem" areas such as shallow ceillngs and partitions. Quiet operation with a big $6^{\prime \prime}$. four blade fan with 60 cfm capacity. Vents to standard $3^{\prime \prime}$. round duct, bulit-in plaster frame and oullet box. Has removable aluminum grille and automatic back-draft damper. Fits belween $2^{\prime \prime} \times 4^{\prime \prime}$ studding. Size: $4 \times 73 / 4 \times 9^{\prime \prime}$. Shpg. wt., $63 / 4$ lbs. UL listed.
12 F 75551
Net 11.95

FLUORESCENT TROUBLE LIGHT


The ideal trouble IIght with 20 feet of cord. All plastic construction with tight fit end caps-shock proof and water proof. Cool burning without glare or shadow. Butyrate bulb shield; fluorescent bulb.
$12^{-1}$ F 44508 Shpg. wt., $21 / 2 \mathrm{lbs}$.
Net 5.95

## TROUBLE LAMPS

Heavy-duty vinyl plastic insula. tion; all copper wire. Flip-Lok cage eliminates removal for relamp. Uses standard lamp. Heavy rubber handle with 2 side tooltap outlets, on/off switch. Shpg. wt., $21 / 2$ lbs.
12 F 76013 50-ft. Lamp Nel 2.49

## "THE WELCOME" <br> ELECTRIC OOOR CHIME



Provincial White with Gold Leaf Trim


Contemporary design, blends well with any decor. Wich resonant tones; two-notes front door one-note rear. Provincial white case, brushed brass plate and gold leaf trim. Installation instructlons included. $43 / 4 \mathrm{Hx}$ $71 / 2 W \times 23 /{ }^{\prime \prime} \mathrm{D}$. Shpg. wt. $21 / 2 \mathrm{lbs}$.

## 12 F 48509

Net 4.95
CHIME ACCESSORIES

(A) POLISHED BRASS LIGHTED PUSH BUTTON. Surface mount. equlpped with miniature electric bulb. No special wiring required. 12 F 48525 For 6 to 16 V . Wt., 4 oz. Net 1.69 (B) "COLONIAL" LIGHTED PUSH BUTTON. solid polished cast brass with lighted push button center. No special wiring required. 12 F 48533 Wt .1 lb.

Net 2.19
(C) "QUICK MOUNT" SIGNAL TRANSFORMER for bells, buzzers, chimes. Thermal Switch prevents overload. Rated 16 v ., $10-\mathrm{W}$. 12 F 48541 UL listed. Wt, 13 oz . ... Net 2.99
 CORDOMATIC HANDY LIGHT As Low As $8^{95}$

## Retracts automatically

Provides light and power up to 20 feet from installation. Swivels $180^{\circ}$ when wall mount-ed- $360^{\circ}$ when celling mounted. Detaches easily to change location. Simply hang it up and plug it in. Eliminates the inconvenience and hazards of tangled cords. U.L. Iisted. 13 F 83025 Shpg. wt., $53 / 4$ lbs. ..... Net 8.95 3-Wire Lite. As above but with 3 -wire cord and plug. Shpg. wt., 5 lbs.


Now you can have portable electric power wherever you need it in the home, and outside the house too. Just plug in the cord and carry the portable outlet reel where you want to use it. Cord pulls out to any desired length up to 15 feet ... locks into position automatically retracts when the reel is not in use. 3.way outlet operates several appliances at once. Case: $61 / 2^{\prime \prime}$ dia.: $13 / 4^{\prime \prime}$ thich. 10 amps . Shpg. wt. $31 / 2 \mathrm{lbs}$. 13 F 83033

Net 8.50

## INDOOR-OUTDOOR

 EXTENSION CORDS

2-Wire and 3-Wire, 16 Gauge
Molded Connectors
Use indoors and out, with power tools, refrigerators, mowers, fans, etc. All are 16 gauge, 3 cond. cords have 3 prong plug. - 2 -conductor \& 3 -conductor.

|  | Fee |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| F 2501 |  | 7 amp. |  |  |
| 5011 | 50 f |  |  |  |
| 12F34020 | 100 ft | 5 amp | 61/4 |  |
| 12 F 34038 ${ }^{\text {¢ }}$ | 25 | 10 am | $11 / 4$ |  |
| , |  |  | 33/4 |  |
| 2 F 34046 | 00 |  | $1 / 4$ |  |

## AC LINE CORD <br> 

6-ft., fine-quality, zip cord is an ideal replacement for worn line cords in lamps, rados, smalt appliances, etc. Sturdy plug at ane end; other end stripped and tinned. 12 F 39011 Shpg. wt., 5 oz. ..... Net each . 35


- 10.000 V. Breakdown First quality, pressure sensitive polyvinyl chloride tape. Extremely high dielectric strength of 10,000 breakdown. Insulation resistance of one million megohms. Over $150 \%$ elongation at break. Excellent resistance against acids, alkalis, olls, salt water etc. Tensile strength of 15 lbs . per in . High conformability. Forms tight. smooth protec tive wrap. Imported. Shpg. wt., 407. 99 F 80152

Net 69
LaRge Plastic tape kit:
10 rolls of vinyl plastic tape. Each roll 33 ft . by $3 / 4^{\text {" }} .1$ ea. of Red, white, sky blue blue, grey, yellow, brown, green, black and orange. Shpg wt., $11 / 2 \mathrm{lbs}$.

## 99 F 80301

Net 2.89

## OEARBORN CIRCUIT MONITOR



- A Must for Maintenance Men, Homeowners, Trailer Users, etc. Detects faults instantly. Checks proper wiring of 3 -wire outlets. Prevents dangerous shocks from the beginning, at your wall outlet. Indispensable for safe operation of appliances, power tools and office machines. Easily used by homeowners, service men and electricians, no meters necessary. Detects whether or not proper ground and AC polarity are available. Just plug into outlet, coded lights tell exactly what circult condition is present: circult OK, improper ground, improper neutral, reversed polarity, reversed ground and power, and power off.
12 F 73002 Shpg. wt., $1 / 2 \mathrm{lb}$.
Net 5.95


## REMOTE CONTROL

- For TV, Hi-Fi, Lamps, etc.


Turn any 110 volt appllance on and off without getting up from your chalr or bed Control your TV, radio, hiff, lamp, fan, appliance, movie prolector, tape recorder, phonograph, etc. Nothing to connect-just plug it in. Easy fingertip control with handy in-out push switch. Long $\mathbf{1 5}$-foot cord makes it ideal for TV velewing when you're confined to bed. Imperted. Capacity - 750 watts. Shpg. wt., $1 / 2 \mathrm{lb}$.
14 F 21114
Net 1.79

## Flashlights-Lanterns-Fire Extinguishers

## SAFE-BRIGHT-

- AC or Battery Operation
- Hi-Lo Switch
 With batteries Efficient battery powered light-welghs only a compact 9 los. yet delivers plenty of bright light for use in tents, trallors, boats, patios, etc. Especially useful during emergencles. Two light levels are provided for brilliant or low intensify Illumination. Operates on batterles for only pennies per hour. Built-in 110 volt circuit permits use with standard AC current. Attiactive polystyrene case and handle complemented with gleaming stainless steel trim. Size: $123 / 4 \mathrm{Hx} 4 \mathrm{~W} \times 734^{\prime \prime} \mathrm{D}$. 13 F 80567 Shpg. wt., 11 lbs.


Extra batteries for above ( 2 required). Wt. ea. $11 / 2 \mathrm{lbs}$. 32 F 39068

Net each 2.93

## DELUXE RECHARGEABLE FLASHLIGHT

Slim, handsomely sfyled, flashlight with strong spotllght 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 $52 / 2 "$; lens diameter $21 / 2^{\prime \prime}$. Shpg. wt. 8 oz.
12 F 64043
Net 6.95
32 F 66038 PR. 4 Repl. Bulb Net .22

## "SUPER POWER"

## SEALED BEAM SEARCHLIGHT

- For Campers, Truckers, Hunters

Deluxe, all purpose searchllght with long range GE 4546 sealed beam. Penetrates heavy fog and the darkest nights. Operates on 4 " $D$ " batteries. Chrome finish. Shpg. wt., $11 / 2 \mathrm{lbs}$.
12 F 64084
Net 4.95
Batteries for above. (4 required.)
99 F 62564
Net ea. . 15

## DELUXE POWERHEAD <br> LANTERN WITH EVEREADY BATTERY

Extra large power beam from big $43 / 4^{\text {" }}$ 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 \$731 Eveready battery. Shpg. wt., 53/4 lbs.

## 12 F 64050

Net 5.95

## GULTON "STANDBY" LIGHT

Plugs into any ordinary AC outlet. When electricity fails the "standby" goes on llluminating 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 emergencles. You never buy batteries again, May be used as an extra powerful flashilght when and where you need it. Shpg. wt., $11 / 2$ lbs.

## 14 F 14515

Net 10.95
FLEXIBLE NECK INSPECTION LIGHT
For use in any position. Perfect for hard to see areas in servicing TV's, MI-Fi's, Auto and household appliances. Battery powered, with flexible chrome-plated neck and high intenslity light beam, that puts 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 F 27501
Net 3.19


## GULTON RECHARGEABLE SPORTSTER LANTERN

## $16^{95}$

## - Sealed Beam Light

Never buy batteries again with this smartly styled, rechargeable sportsmen's lantern, sealed beam lignt provides a bright 7000 candlepowir. its iong distance beam is Ideal for hunting, camping, boatling (it floats? or any other outdoor ac. tivities. Features an adjustable handle that locks in any position. Handsomely finished in navy blue with silver trim. Sportmen's Lantern operates on 4 permanent nickel cadmium batteries with 110 VAC charger built right in. Size: $33 / a \times 7 \times 5 / 4^{\prime \prime}$. Shog. wt., 2 lbs. 14 F 14523

Net 16.95

## Turner "TRAILBLAZER" LANTERN

- Safe-Economical-


## Portable-

 Instant Light

95

- Equivalent To 125 Watt Electric Bulb

With Tank

Model LP-4 Iastant, economical portable llantern is designed with the camper or outdoorsman in mind. Provides adjustable light•from a low glow to an intensive brite level equivalent to a 125 watt electric bulb. Exclusive alr adjustment control assures perfect operation-up to fifteen hours of light on one tank of propane fuel! Safe no pumping, priming, and no dangerous liquid fuels. Beautiful enamel shade dispenses light in a complete 360 degree circle through a crystal clear globe. 18 inches high. Complete with Tank.
13 F 26537 Shpg, wt. $53 / 4 \mathrm{lbs}$. ......... Net 10.95
Deluxe Traiblazer Lantern simitar to above. Features 2 -manthe construction that provides light intensity equivalent to 250 watt electric bulb.
13 F 26545 Shpg. wi. $6 \frac{3}{4}$ lbs.


Net 14.95
13 F 26560 Extra Mantles (pkg. of 2) ............................. 39
13 F 2651 í Eutra Propane Fuel Tank. Shpg. wt., $21 / 2 \mathrm{lbs}$. Net 1.29

## 23/4 LB. DRY CHEMICAL FIRE EXTINGUISHER

- Rated 6 B:C Coast Guard, ICC, Marine Testing Institute 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. Bullt-in pressure indicator can be read at a glance, Non-toxic dry chemical won't injure fabrics, etc. Tamper-proof lock. Meets Coast Guard and ICC specifications. UL Ilsted. Rated 6 B:C. Corrosion resistant construction. $14 \mathrm{H} \times 3^{\prime \prime}$ diam. Shpg. wt., $43 / 4 \mathrm{lbs}$.
13 F 45040
Net 9.95
DISPOSABLE RECHARGE CYLINDER: Recharges extinguisher in minutes. Shpg. wt., $43 / 4 \mathrm{lbs}$.


13 F 45057

## JET ACTION HYDRO-PUMP FIRE EXTINGUISHER

- For Aulo, Home, Boat 295
- With Wall Bracket

Extinguishes oll and grease fires, chemical fires electrical fites, wood, paper, and plastic 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 "Quick-Disengage" wall mounting bracket and hardware. Imported. Shpg. wt., $13 / 4 \mathrm{lbs}$.
14 F 21064


# Sntermatic Time Controls - Clock Timer 



## termatic 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 muslc, 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 controlled manually. Plug-in receptacle for equipment to be controlled. Minimum "ON" time: 15 min . Max. imum "OFF" time: 23 hr .45 min . Capacity: 1875 Watts. For $125 \mathrm{VAC}, 60 \mathrm{~Hz}$ with 5 ft . cord, plug and instructions. Size: $3 y / 441 / 4 x$ $31 / 2^{\prime \prime}$. UL ifsted and CSA approved.
Shpg. wt., 2 los .
13 F 27584
Net 9.70


ELECTRIC CLOCK AND APPLIANCE TIMER

- Tells time and turns appliances on and off Model A-401-4 not only tells time, but furns appliances both on and off automatically for periods of 15 minutes to $51 / 2$ hours, Cooks dinner while you're away, wakes you to music, controls electric fans, heaters, radios, TV sets, etc. No in: stallation problem-just, plug it in and set. Capacity 1875 watts. Special alloy "T." Plaskon case $43 / 4 / \mathrm{W} \times 41 / 2 \mathrm{H} \times 21 / 4$ " O . 6 ft . cord. For 110 V 60 Hz . U/L Listed. Shpg. wt., $2 y / \mathrm{lbs}$ I 13F27170



## TYPE T101 TIME SWITCH

Turns equipment "on" and "off" once in 24 hours, or from 1-12 "on" and "off" opera. tions a day can be obtained by use of extra trippers-can be added without removing dial. Min. on or off time $1 . h r$., 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., $34 / 4$ lbs.

## 13 F 27022

Net 10.69
TYPE T103. Same as above, but with DPST switch.
13 F 27600
Net 11.99
TYPE P101. Similar to T101 except but with 6 ft . cord set and receptacle. Capacity 1250 watts, Shpg. Wt., $31 / 2$ los.
13 F 27030
Net 11.99
TYPE P101-30, Same as P101 but with 3-wire cord set and receptacle. Recommended for Air Conditioners. Shpg. wt., $33 / 4$ lbs.
13 F 27295
Net ea, 12.64

## TYPE T171

## "SKIPPER" TIME SWITCH

Automatically turns equipment on or off skips operations on any selected days. Ideal where offices or factories are closed on Saturdays, Sundays or Holidays. Turns "on and off" once every 24 hours with single set of 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 F 27063

Net 13.94
Type 1175 - SPOT. Opens one circuit and closes another. Ships either "ON" or "OFF" operation. Shpg. wt., $31 / 4$ Ibs.
13 F 27071
Net 15.24
Type P171 - Portable Plug-in version of Type T171. Capacity 1250 watts (contacts 10 amps ). Shpg. wt., 6 lbs.
13 F 27089
Net 15.24

TYPE C-8301-S CYCLER TIMER Up to 12 sets of ON.OFF trippers provide re. peated operations. ON operations may range from $10 . \mathrm{sec}$, to 11 min ., 10 sec .; OFF from 50 sec . to $11 \mathrm{~min} ., 50 \mathrm{sec}$. Dial makes com. plete revolution every 12 minutes. Ideat for ventilating fans, pumps, process timings. etc. SPST, rated at 15 amp . For $110-125 \mathrm{v}$. $60 \mathrm{~Hz} \mathrm{AC}. \mathrm{U/L} \mathrm{Listed} \mathrm{Case} 61 / 2 \times .5 \times 3^{\prime \prime}$ with 2 comb knockouts on bottom.
13 F 27188 Shpg. wt., $2^{3 / 4}$ ibs.
Fo. Ne Net 11.67 EXTRA SET ON-OFF TRIPPERS FOR C-8301-S 13 F 27196 Shpg. wt., 2 oz......Net .72

## PROGRAM TIMERS <br> 1-96 OPERATIONS <br> 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 SPDP switch. Contacts rated to handle 20 amps at 125 volts. For $105 \cdot 125 \mathrm{~V}$; 60 $\mathrm{Hz} A C$. U/L Listed. $71 / 4 \times 5 \times 3^{\prime \prime}$. Shor wt., 4 lbs. 13 F 27139

Net 21.74
TYPE T1975. Same as T1905 above, but has "Skipper" feature for omitting operations on selected days. Shpg. wt., $31 / 4 \mathrm{lbs}$.
13 F 27360
Net ea. 24.99
TYPE P1971. Portable Plug-in version of Type 1975. Contacts rated 10 amps at 125 voits $60 \mathrm{~Hz} \mathrm{AC}$. Shpg. wt., $33 / 4 \mathrm{lbs}$.

## 13 F 27147

Net 26.94

## 7 DAY PRDGRAM TIMER

Provides a different program each day of the week, with up to 4 on-off operatlons per day. 3 -hour minimum between operations. 4PST rated 20 amps. per pole. $110-125 v 60 \mathrm{~Hz} \mathrm{AC}$.
 $3 / 4{ }^{\prime \prime}$ knockouts. 7 sets of trippers. U/L Listed. Shpg. wt., $61 / 4$ los.
13 F27337 Type V26001 ........ Net ea. 24.02 TYPE V26003. As above, but 4P: 2NO-2NC. Rated 40 amps. per pole. 13 F 27345

Net ea. 24.02 Set ON-OFF ( 1 ead trippers for elther above. 13 F 27352 Shpg. wt. 2 oz. ........... Net . 50

## TYPE T185 TIME SWITCH

For applications where multiple "on-off" cycles of 5 to 60 minutes are required in a 24 hr . period. A minute selector on each specially designed tripper sets the number of minutes, ( 5 to 60), the "on-off" cycle will operate. Up to 12 combinations can be used at the same time. Minimum interval between start of each cycie, $13 / 4 \mathrm{hrs}$. rated 40 amps , 4375 watts, 125 volts, AC. $73 / 4 \times 5 \times 3^{\prime \prime}$. With 3 trippers (for 2 "on-off" Hz). For 110-125 voits, 60 Hz AC. U/L Listed. Shpg. wt.. 4 ibs. 13 F 27048

Net 14.27
Extra Trippers for above. One Tripper for each additional "on-off" cycles. Wt. 4 oz. 13 F 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 inltiate sprinklling any time during the day whlle skipper wheels serve to eliminate watering on selected days. Time duraitons 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., $33 / 4 \mathrm{lbs}$. TYPE LS-7041 14 DAY SKIPPER
is F 27592
Net 17.52

## SWITCH ACCESSORIES

TRIPPERS-Set of ON.OFF unils cone for each) for all models except T185, C8301S, T1905, P1971, T1975 and Sprinkler Timer. Shpg. wt., 2 oz.
13 F 27097 per set
Net .50
COMB. ON-CUTOUT TRIPPER, For "Skipper" types only.
13 F 27105 Shpg. wt., 2 oz.
Net .50
SKIPPING SCREW. For "Skipper" types only. 13 F 27113 Shpg. wt., 202.

Net . OA

## LafayETTE Techni-Timer

- Makes Any Appliance Completely Automatic
- No Special Wiring-Just Plug In
- Handles Loads Up To 1875 Watts
- Turns Lights And Appliances On and Off


## - Can Be Set To Skip-A-Day - 1 Year Guarantee

The Lafayette Techni-Timer makes practically everything electrical automatic. Turns radles 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. MinImum ON time 15 minutes, maximum ON time, 23-hours. Minimum OFF time 1 -hour. max. OFF time. 23 -hours 45 minutes. Easyto read- 24 -hour dial. Can be set to skip-a-
day operation and, controlled manually without automatic resel. Attractive design. For shelf, lable or wall mounting. With 6 ft . cord, plug and receptacle for equipment to be controlled. Highest quality-we will repair any defect due to material or workmanship within i year without charge. Simply ship timer to Latayette prepaid. $5 W \times 4 / H \times 21 / 2^{\prime \prime} \mathrm{D}$. For 110 v 60 Hz AC. UL/CSA listed. Shpr. wt., 2 lbs.
13 F 08407

ONIY

Net ea. 7.95


Q
IN.WALL TIME-ALL*


- Fits into Existing Outlet Box


Smartly styled wall timer with finger-tip control. Installs easily in standard, single outlet wall boz. Automatically controls air conditioners, lamps, radios, colfee makers, and any other plug-in appliance. Can also be used for wall switch operation to control porch and post lights. Resels aulomaticaliy. 1 timed AC outiet and I AC outlel 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, 50 Hz . Compact, only $11 / 4{ }^{\prime \prime}$ above wall. Pear! white housing.
13 F 27576 Shpg. wt., $13 / 4 \mathrm{lbs}$.
Net 9.50

## WESTCLOX 24 HOUR CLOCK AND SWITCH TIMER $11^{95}$

- Turns Lights, Appliances On and Off


Beautiful electric clock/timer makes any appliance completely automatic while serving as a timepiece, camplete with a sweep second hand. Just plug the appliance into the timer and plug the timer Into the wall outlet for instant operation. Wiat repeat one on off cycle per day without resetting or may be manually switched. Unlimited applicaflons! Handsomely styled wood tone case with gold color spun aluminum dial. Handles appliances up to 1800 watts ( 15 amperes). For 117 VAC. UL Listed. Shpp. wt., $11 / 4 \mathrm{lbs}$.
13 ₹ 56500
Net 11.95

## RHODES MARK-TIME SWITCHES

## (A) TIMED EXTENSION CORD

## - For Hi-fi TV, Fan

And Other Small Appliances
A 3-way combination for every home an automatic time switch, extension cord, convenient outlet. Timing range up to 4 hours, Easy to operate-plug it into any wall outlet, connect one, two or three devices to be controlted, and turn the knob to the time period desired. At the end of time period, the electricity is turned off automatically. 6-foot cord. 10 amp. capacity, Shpg. wt., 1 ib.

## 13 F 85012

Net 5.95

## (B)FOR WALL BOX INSTALLATION

A dependable and versatile time switch to automatically turn off attic lans, porch and garage lights, window Ights, heating units, efc. at any preset time. Has speclal HOLD feature: turn of knob cuts out timing mechanism and allows unit to be used as a regular toggle switch. Capacity 20 amps, 125 volts AC. Satin-chrome dial $41 / 2 \mathrm{H} \times 3^{\mathrm{m}} \mathrm{W}$; switch $21 / 2 \mathrm{H} \times 13 / 6 \mathrm{~W} \times 11 / 4 \mathrm{O}^{*}$. Fits any standard rectangular wall box. Shipg. wt., 1 ib .

## 13 F 85020

Net 5.57
MODEL 90015 - to 12 hours. Shpg. wt., 1 lb . 13 F 85038

Net 5.51

## (C) PHOTOGRAPHIC TIME SWITCH

It's easy to control accurate timing on photographic developers, enlargers. and photo copy equipment by plugging them into the convenience outlet on this inexpensive unit. Adjustable stop makes repeated settingseven in total darkness - easy and foolproof. Times up to 60. seconds, then automatically shuts off current. May also be used as "onoff" switch when timing is unnecessary. Rated 10 amps- -125 volts-A.C. UL and CSA listed. Shpg. wt., $11 / 2 \mathrm{lbs}$.
I3 F 85046 Model 78174

( 1


# Automatic Timers-Motors-Fans 



## LAFAYETTE TV TIMER CONTROL

- Simple to UseJust Plug in - 500 Watt Capacity with $15^{\prime}$ Cord

Only
$4^{95}$

Now you can fall asleep while TV is still on! No need to wake up and turn it off... The TV Timer Control turns off your TV set automatically. Simply plug the TV Into the Timer Control, and the Timer Control into the wall outlet. Then turn the dial to choose the automatic "turn-off" time... from 5 minutes to one hour. The 500 -watt capacity makes it ideal for use with most other household appliances-radio, hi-fi, tape recorder, lamp, patio light, electric blanket, heating pad, hair dryer, etc. With 15' cord. imported. Shpg, wt. 1 ib

$$
99 F 80798
$$

Net 4.95


## Qutrmatic

Portable Interval Timer Only
$7^{95}$

- Control Operating Time of Household Appliances
- Time Range: $0-60$ Minutes - Minimum Setting: 1 Minute

MODEL PT-301 Easy-to-use-just plug timer into outlet, connect appliance and set the large easy-to-read dial to the desired operating time. Appliance begins operation Immedlately and stops at pre-set time. White case with wainut trim. For 120 volts 60 Hz . AC only, 1875 watts max. UL listed. Size: $5 \mathrm{~W} \times 4 \mathrm{H} \times \mathbf{3}^{\circ} \mathrm{D}$.
13 F 27535 Shpg. wt., 1 lb.
Net. 7.95
MODEL PT. 304 Simliar to above but 0.24 hours. Minimum setting $1 / 2$ hour.
13 F 27543 Shpg. wt., 1 lb. Net 7.95

## 5-HOUR "RINGER TIMER"



- Portable "Alarm Type" Timer
- Rings From 1 Minute to 5 Hours

An indispensable ald for your everyday liming needs-cooking. photography, phone calls, etc. Loud long-ringing bell signals the end of the preset time pertod. Has an easy-to-read, crystal covered black dial with bold white numerals, gold hour dividers, and a red dial window to show the hours from i to 5 . Housed in an attractively styled high-impact white plastic case. From England. Shpg. wt., 1 ib. 13 F 13501

Net 5.95


PARAEDN TIMITE ${ }^{\text {e }}$ MINIATURE 24-HOUR TIMER - Fit Standard Single Gang Handy Box


MODEL 101 compact time control ideal for window displays, night lights, yard lights, etc. Provides one on-off operation per day with minimum setting of two hours. Has manual trip lever. 24 -hour dial is divided into 30 minute segments for easy, accurate setting. Fits over a U.S. standard single gang handy box. Size: $41 / 2^{\prime \prime} \mathrm{H} \times 21 / 4^{\circ} \mathrm{W} \times 31 / 4^{\prime \prime} \mathrm{D}$. Capacity: 15 amp. non-ind., $1800 \mathrm{~W}, 1 \mathrm{HP}$. 12 amps., full load. For $120 \mathrm{~V} ., 60 \mathrm{~Hz}$. UL and CSA Listed. 13 F 17510 Shpg. wt., $17 / 4 \mathrm{lbs}$._._Net 9.95

## PARAGON TI-MITE TIMER

## - Protect Your Home With Automatic Lighting <br> $5^{50}$

 Neat and cordiess. Plugs directly into electrical receptacle. Tums Hights ON at a preselected time and OFF 5 hours later for a lived-in look. Repeats cycle every 24 hours. Controls up to 300 watts. Grey and black $355^{\prime \prime} \times 2$ 㘶 $\times 2^{\prime \prime}$. Shpg. wt., 1 lb .13 F 17569 Net 5.50
AUTOMATIC PORTABLE AIR CONDITIONER
 TIME SWITCH

- Come Home to Cool Comiort
- With 5 It. 3 wire Cord and Ground Receptacle
Turns air conditloners ON and OFF automatically without costly installation. 24 hour cycle with minimum setting of 2 hours between ON and OFF operation. Capacity: 12 amps fuli load at 120 V and $240 \vee 60 \mathrm{~Hz}$ AC. Beige case. Size: $2 \% \times 41 / 8 \times 23 /{ }^{-1} \mathrm{D}$.
13 F 17577 Model AC1-0, 120 V Wt., 2 lbs.
Net 10.88 13 F 17585 Model $A C 4-20,208 \cdot 240 \mathrm{~V}$ Net 11.88



## SWISS POCKET TIMER

- Set It and Forget It
- Buzzes at Any Pre-Set Time up to 120 Minutes Avoid parking tickets, late appolntments, etc. Also use as a timer on phone calis, 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 F 31 t15L
Net 5.95


## INTERMATIC TIMING MOTOR



Self-starting synchronous motor with lifetime lubrication. Geared to 4 clockwlse revolutions per hour. Will retain constant speed even under line voltage variations of $25 \%$. Torque load 5 oz . in, maximum, Shaft $1 /{ }^{\prime \prime}$ "L $x y^{\prime \prime}$ dia. For $110-120$ volt 60 Hz AC . Shpg. wt., 902.
13 F 27246 Intermatic W-160
Net 4.50


## BARBER-COLMAN SHADED-POLE UNIDIRECTIONAL MOTORS

Shaded-pole AC induction motors for driving cooling or shaft. Porous bronze ailgnable bearings used on al fans, appliances, displays, vending machines, pumps, movie projectors. Simple, dependable constructionno brushes, contacts, capacitors. All motors rated for continuous duty when operated at room ambients below $100^{\circ} \mathrm{F}$. CW rotation viewed facing the drive hub
unidirectional motors. 115 volt, 60 cycle field colls with Class A insulation and molded phenolic bobbins. Long life lubrication. Mounts with two $\# 10-32$ tapped studs on rear of motor. Table below indlcates full load char; acteristics. Shpg. wt., $12 / 2 \mathrm{lbs}$.

| Stock No. | $\begin{aligned} & \text { Mfr's } \\ & \text { Type } \end{aligned}$ | Torque th. In. | speed RPM | $\text { Max }_{\text {MP }}$ | input Amps | Approximate Dimensions in. | Het Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | 1.9 | 10-24 |
| 32 F 16017* | AYAA707-119 | . 025 | 1900 | . 0007 | . 13 | $21 / 8 \times 21 / 4 \times 1 / 1$ | 7.10 | 5.14 |
| 32 F 16025 | DYAB569-119 | . 045 | 2400 | . 0017 | . 15 |  | 6.85 | 5.90 |
| 32 F 16033 | DYAF761-119 | . 10 | 2800 | . 0045 | . 27 | $278, \times 23 / 4 \times 111 / 31$ | 7.20 | 6.20 |
| 32 F 16041 | KYAF764-119 | . 16 | 2900 | . 007 | . 33 | 23\% ${ }^{21 \%}$ | 9.70 | 8.45 |
| 32 F $16058^{\circ}$ | OYAF767-119 | . 20 | 2900 | . 009 | . 39 | $2^{2} 18, \times 27 / 4 \times 211 / 6$ | 20.15 | 16.30 |

## COOLING FANS

Fans llsted to the right may be used with above motors for cooling electronic tubes, projection lamps, and in deodorlzers, heaters required alr delivery against a low static head. Aluminum blades and zine plated steel hubs. Blows air forward when mounted with hub fowards the motor. "Free air dellivery measured 12 inches from front of fan. Fan dia.: Type $303=3^{\prime \prime} ; 403=4{ }^{\prime \prime} ; 502-1=5$ ". Hub dia.: $303=1 / 8^{\prime \prime} ; 403=1 / 8^{\prime \prime} ; 502-1=5 / 32^{\prime \prime}$. Avg. shpg. wt., 202.

# Electronic Burglar, Warning Systems 

## LAFAYETTE PHOTO ELECTRONIC RELAY SYSTEM

Includes Photo Cell Receiver Plus Electronically Operated Relay Plus Exciter Lamp ———Efficient 2.Unit, 3-Element Design


- Removable Infra-Red Filter For "Invisible-Light" Operation

The Lafaytte Photo-Electronic Relay is your key to an inexpensive indoor warning or counting system. Consisting of a rugged exciter and relay unit and operating on $110-120 \mathrm{~V}$ $A C$, it can be connected to signal persons entering a rocm, 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. Metal case. Size: $414 \mathrm{H} \times 3 \mathrm{~W} \times 41 / 2 \mathrm{C}$ "D. Imported.
99 F 90821 Shpg. wt., $41 / 2 \mathrm{lbs}$.
99 F 902766 Volt 20 Watt Repacement Bulb
Net 19.95

ACCESSORIES FOR ABOVE
99 F 90235 Electric Bell, 110 V AC. Shpg. Wh., 1202.
Net 2.89
99 F 90110 6-Digit Electric Counter. Shpg. wt., $11 / 2 \mathrm{lbs}$
Net 12.95

## TAPESWITCH MATS-STRIPS


(Fig. A) Tapeswitch Fleribie Switch Mats. Less than 5 lbs. pressure activates these mats. Although rated and tested at 1 amp., 117VAC for floor switching. 24-volts or less is recommended. Only Ka"̈ thick: waterresistant durable covering. Shpg. wt.: $17 x$ $23^{\prime \prime} \mathrm{mat}, 11 / 2 \mathrm{Ib}$.; $6: 23^{\prime \prime}$ mat, 10 oz . $17 \times 23^{\prime \prime}$ Mat with $6^{\circ}$ Cord.

## 33 F 66010

Net ea. 12.00
6 I 23 " Stair Iread Mat with 18 Lead.
33 F 66028
Net ea. $\quad 4.90$ (Fig. 8) Tapeswitch Ribbon Switches. These "Press at any point" switches can be acti. vated with only 12 oz . of finger pressure. Normally open, momentary contact type with $4^{\circ}$ leads. Molsture-proof chrome yellow vinyl cover. Onty K." thick. Rated 1 amp-, 117 VAC or 28 VDC. Shpg. wt.: $2^{\prime}$ length, $70 \mathrm{oz}_{-i}$ 5' length, 7 oz.
33 F $660362^{\circ}$, length
Net ea. 4.00 33 F 66044 5, length

Net ea, 7.30 (Fig. C) Cut To Length Switching Runner. 5-ft. long $\times 30^{\prime \prime}$ wide $x$ Ko" thick and can be cut to any length. 5 lbs. nominal foot pressure. Solder or twist connections easily made. Excellent extended area signaling for concealed indoor alarms and controls. Switching elements on $2 \% "$ centers are wired in parallel and encased in a polyethylene envelope. For indoor use only. Install under rug, rubber runner, mat or tile. Wt. $21 / 2 \mathrm{lbs}$.
33 F 66077

LINEMASTER FOOT SWITCHES


Model 8-2-S "Executive". Two momentary SPDT switches side by side. Interfock prevents beth circuits from being operated at same time. Both sides normally off when not in use. 15 amps. 125 VAC . 4 /4ar $4 \times 11 / \mathrm{B}^{\prime \prime}$. Shpg. wt., $14 / 2$ lbs.
34 F 36065
Net ea. 7.50
Model T51-S "Treadilite". Compact. rugged. SPDT momentary contacts rated 7 amps at $125-250 v$. AC, $1 / 4$ H.P. at $115 v$. AC. Rubber tread and skid-proof base $31 / 2 \times 25 / 6 \times 1$ ". Shpg. wh., 110, 02.
34 F 36011
Netea. 2.90
Model TSI-SC-Same with a six ft . cord and two prong series plug. Shpg. wt., 1 lb. 34 F 36029

Net ea. 4.35

## Model T.51-SC3-Same as above Dut with

 3 conductor cord and 3 prong grounded series plug. Shpg. wt., $11 / 4 \mathrm{lb}$. 34 F 36078Netiea. 5.60
Model 491.5 "Compact"-SPDT momentary contacts rated 10 amps 125 v . AC, it MP at 115v. AC Steel housing, black wrinkle finish. skid-proof base. $2 \% \times 24 / 2 \times 21 \%{ }^{\prime \prime}$. wt. 9 oz. 34 F 36037

Net ea. 3.50
Model 491-SC. Same with six foot cord and two prong plug. Shpg. wt., $11 / 4 \mathrm{Jbs}$.
34 F 36095
Net ea. 5.45

# Ultrasonic Intrusion Alarms <br> INTRUSION ALARM 



Protects Your Home or Business Against Intruders and Burglars


- Easy, Plug-In Installation
- Turns On Lamps, Rings Bells


#### Abstract

Have a safer house while you're aslcep or away. Will protect doorways, rooms, or any area that an intruder may enter. Uitrasonic beam covers an area up to $15-30 \mathrm{ft}$. in front of unit depending on shape of room and contents. When area is entered, Hights, bell or both are turned on to give a visuat and audible alarm. Can be set as a convenience monitor to turn light on when you enter a room; shuts off $3 \mathbf{m i n}$. after you leave. Sensitivity/range and position easily set to allow pets to enter. Variable timer allows alarm to remain on from 8 sec . to 3 min .; automatically resets itself for continuous protection. No special wiring necessary; lights or bell 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 leave area. Controls: on/off switch, sensitivity and range. Size: $103 / 831 / 41 / 4^{\prime \prime}$. Attractive walnut finish. Requires $110-130$ VAC, 60 Hz . Shpg. Wt. 3 lbs. See optional unit below which provides a bullt-in horn and a 20 sec . delay of bell for extra time to enter protected area.

Net 64.95 Net 5.50 Net 22.50


 12 F 56510 No Money Down. $12 \mathrm{~F} 8704431 / 2^{\prime \prime}$ Bell for above. Shipg. wt., 1 ib . 12 F 87051 Deluxe 6 " Bell for above. Wt., 4 lbs.
## DELTA HORN

- Combination Horn/Delay

Plugs directly into above intrusion alarm. Provides delay of 20 sec . before built-ín
 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 bells operate as lour as above alarm is on. With built-in AC out. let, line cord and plug. Handles up to 575 watts; 115 VAC at 5 amps. Size: $31 / 4 \times 31 / 4$ x $374^{\prime \prime}$.
12 F 56528 Shpg. wt. $11 / 2 \mathrm{lb}$
Net 24.95

## BURGLAR LOCKALARM

Automatically locks when unauthorized forced entry is attempted, plus emits a plercing sound capable of awaking the entire household. Inconspicuously mounts on doors, and windows in minutes with only a screwdriver. Uses a single penlite AA $1 / 2$ volt battery. Complete with mounting hardware, horn, and latch mechanism. Shpg. wt., 1 lb. 14 F 6350

Net 3.95
99 F 62580 Battery for above ........Net . 10

|  | MALLO <br> olid-siate cuits w tensivel pllances n equip 81" long oz. All mperatu | SOMALERT <br> ultry, no m ht. and low warning dev d in lault communic Application pt, t are 1.3 Is manufact $-40^{\circ}$ to |  | NIC AU <br> ar-no-ar <br> in allow ded. Type omputers, ll as tele s are limit talled weg licon tran g. wt., 60 | BLE S <br> ing -no em to C628P has ire sign hone sio ss. Size all $11 /$ stors, al |  | DEMCE <br> Small in most ing tone. ruments. protecdia, $x$ pt $\ddagger$ are perating |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | $\begin{aligned} & \text { Type } \\ & \text { No. } \end{aligned}$ | Operating Voltage | Freq. Hz | $\begin{gathered} \text { Infensity } \\ D B \end{gathered}$ | Current MA. | $\begin{aligned} & \text { Net } \\ & 1-24 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 25.49 \end{aligned}$ |
| 12 F 74018 | SC628 | 6.280C DC | 2800 | 68-80 | $3 \cdot 14$ | 5.50 | 5.40 |
| 12 F 74026 | SC628H | 6.280 C | 4500 | 68.80 | 3.14 | 6.35 | 6.25 |
| 12 F 74034t\% | SC628P | 6-280C | 2800 | 68.80 | 3-14 | 9.95 | 9.75 |
| 12 F 74042t | SC628A | 6-28AC/DC | 2800 | 68.80 | 3.14 | 8.75 | 8.60 |
| 12 F 74067t | SC110 | 110 AC | 2800 | 80 | 14 | 8.75 | 8.60 |

MALLORY SONALERT ELECTRONIC AUDIBLE SIGWAL DEMCE Solid-slate circultry, no mechanical wear-no-arching-no RF noise. Small asize, lightweight, and low current drain allow them to be used in most Extents where warning devices afe needed. Type SC628P has pulsating tone. appllances. and communications as well as telephone signals and protection equipment. Application possibilities are limitless. Size: all $1{ }^{1} 10^{\circ \prime}$ dia, $x$ 2 oz . All Models manufactured with silicon transistors, allowing operating temperatures of $-40^{\circ}$ to $+185^{\circ}$ F. Shpg. wt. 607. - Guards Against Theft

Signals entrance into olfice, store or shop by ringing chime. Includes concealable mat $18 \times 24 \times 3 y_{2}$ " thick, 2 -note chime, transformer, wire and instcuctlons. Shpg. wt., 4 lbs. 33 F 56051

Net 24.95


# Alarms-Save Money-Save Lives 

## EMERSON-RITTENHOUSE PROFESSIONAL INTRUSION SECURITY SYSTEM


$49^{95}$ cin monnt

- Automatic Intruder Protection

Provides reliable automatic operation that's always atert . . . detects an intruder and sounds the alarm at the trip of the sensitive detec. tors. Unit surprises intruder with an alarm that can't be slienced by closing window or door. Alarm sounds off until manually reset at the control panel. Features tamperproof detection with "Iock-in" auto. matic alarm, manual alarm switches for push-button signaling, and gold anodized control panel with activation light, off-on control, and alarm reset switch. Panel measures only $458^{\circ \prime} \times 45 / 0^{\circ}$ and mounts in a standard 2-gang efectrical box. Control panel may be concealed in closet, etc. Package includes securify control panel, indoor alarm horn, three flush mounting door/window switches, two manual alarm pushbuttons, and power transformer. See Accessories Below.
13 F 83504 shpg. wt. 6 lbs.
Net 49.95

## ACCESSORIES FOR ABOVE SECURITY SYSTEMS



A-DOOR/WINDOW SECURITY SWITCNES. FOr flush maunting in door and window frames. Need not be mortised, fits $3 / 4$ " hole. 13 F 83520 Shpz. wt.. 4 oz.

Net 1.99 B-MAGNETIC DOOR/WINODW SECURITY SWITCHES. For use where surface mounting is necessary. Dlmension: $21 / 2^{\prime \prime} H \times 12_{2 " 1} \times K_{4}^{\prime \prime}$.
13 F 83538 Shpg. wt., 4 oi.
Net 3.49
C-OUTSIOE KEY-LOCK CONTROL. Permits protection while owner Ts away from home. Indicator light Ifluminates to confirm system is activated. Mounts on standard single-gang box. Tamperproof . alarm sounds If intruder removes panel. Stainless steel finish. Dimensions: $41 / 2^{\prime \prime} \mathrm{Hx} 27 /$ " $^{\text {"W }}$.
13 F $\mathbf{3} 5546$ Shpg. wt. 1 lb
Net 19.95
5-Conductor Cable for above control.
13 F $83553120-\mathrm{ft}$. Shpg. wt., 2 lbs .
Net 6.49 D-OUTSIOE BEACON ALARM MORN. Provides warning light and alarm horn in one integral unit. Designed for Installation outside of home. Tapered red cylindrical lens. Back plate dimensions: $41 / 2$ " $x 61 / 4 "$. Mounts on single-gang $34 / /^{\prime \prime}$ or $4^{*}$ outlet box. Extends from wall $47 / 4^{\circ}$. Brushed aluminum.
13 F 83579 Shpg. wt., 3 lbs.
Net 19.95

## WIRE FOR ABOVE ALARM SYSTEM

18 Gauge Single Conductor Wire For Window and Door Switches.
13 F 83512200 Ft . Roll. Shpg. wt., 2 lbs. ......................... 3.9 18 Gauge 2-Conductor Wire For indoor Alarm Horn, Beacon Alarm Horn, and Alarm Push Button. Shpg. wt., 3 lbs.

Net 2.70
32 F 36288100 Ft. Coil ....................................................... 2.70

## aLERT BURGLAR

 ALARM SYSTEMPROTECT AGAINST Intruders, Thieves, Vandals


No Money Down*


Alert system consists of transistorized warning system, 400 feet of hair thin wire, 12 contact switches for doors and windows, mounting pins. Warning stickers included to notify potential intruders your property is protected. Once this alarm is set your key is needed to stop its operation. Bullt-in delay operation allows enough time to set the alarm and secure the premisas before the system goes into operation. Battery operated unit is independent from AC power interruption. Use it anywhere. Batteries last approximately one year under normal use, Light and horn operate for more than twelve hours uniess unit is turned off, Less batteries. Shpg, wt., 31/6 lbs.
14 F 13012
Net 44.95
14 F 13025 Pkg. of 6 Extra Switches
Net 2.19
14 F 13033 Extra spool of wire ( 400 fl) Shpg. wt., 4 oz. ... Net 2.19 32 F 48697 Batteries (Two Required) Shpg. wt., $13 / 4 \mathrm{lbs}$. .... Net 1.13 BYPASS SWITCH LOCI KIT. Permits cut-off of one doorway so that you may gain access to protected ares without setting off the alarm. Complete with instructions.
14 F 1304 : Shpg. wt. 60 oz.
HOME FIRE ALARM


- Loud - Clear Alarm - Complete Signal Unit $\rightarrow$ Detectors

Sensitive thermostatic detectors-react to heat instantly. Alerts you and your family before flames spread. Long life battery will last at least one year. System is readily checked by means of a test button. The test button kept within easy reach of bed, serves as an intruder alarm. Provision is made in the signal unit for aftaching another alarm ( 6 voll bell. buzzer or horn) for outside or remote locations. Unit is enclosed in a chrome plated steel housing. Size: $41 / 2 \times 51 / 2 \pi$ $312_{2}^{\prime \prime}$. Detectors, only $2^{\prime \prime}$ in diameter, are unobtrusive and cover areas up to 400 sq . It. System includes a signal unit with 2 horns, 6 thermostatic detector switches (five $135^{\circ}$, one $200^{\circ}$ ) 150 ft . wire, test button, staples, battery and instruction. Shpg. wt., 6 los.
14 F 82017.350 Net 34.95
14 f $82025135^{\circ}$ Detector Switches. Shpg. wt., 3 ozs... Net ea. 1.95 14 F $82033200^{\circ}$ Detector Switches. Shpg, wt., 3 ors. .. Net ea. 1.95 13 F 81011 Test Button Shpg wt 3 ors. 3 .. Net Net 39 18 Gauge, twisted pair control wire, Shpg. wt., 3 lbs. per 100 ft . 32 F 36288100 ft. Net 2.70
32 F 36296500 ft .

FIRE ALARM $5^{95}$

- Always On GuardNo BatteriesNo AC Plug - Tiny and Powerful Only $2^{\prime \prime} \times 21 / 4^{\prime \prime}$


Powered by its own self-contained hermetically sealed electronic energizer. Loud plercing siren sounds off for 2 hours or more. No maintenance-requires replacement only after activated by fire. Special sensor tip will trigger alarm when temperature reaches $135^{\circ} \mathrm{F}$. Easity instafled on walls, doors, or ceilings. Ivory finish. 14 F'i7500 Shpg. wt., $1 / 2 \mathrm{ib}$........Net 5.95

## SELF CONTAINED FIRE ALARM



Farm-Store Net 11.95
Net 1.13

Sensitive unit. Sounds the moment air temperature reaches $135^{\circ}$. Operates on two standard flashlight batteries. So inexpensive you can install one in every room plus basement, attic end garage. Test switch on bottom of case. Self-contained independent of electrical house current. Size: $23 / 4 \times 51 / 2 \times 12 / 2^{\prime \prime}$. Shpg. wt., 3/4 ib.
14 F 39504 (Less Batteries)
Net 4.50
99 F 62564 Eatt. (2 Req'd.)

Built-in 117 VAC charging circult heeps internal batteries up to full power. Never needs replacement batteries. Works even in the event of a power failure. Loud continwous alarm sounds when room temperature reaches danger level $\left(126^{\circ} .140^{\circ}\right)$. Convenient test button allows pertodic cheching of unit. 14 F 14507 Shpg. wt., $11 / 2$ lbs. ... Net 10.95


Model 1550 Exclusive "Touch Action" helps you make permanent. self-sticking Oymo labels, without effort. Perfect for those ble labeling jobs or when labels are made often. Embosses easier-toread "Designer" extended letters in both $1 / 4$ " and $3 / 4$ " vinyl tape. Prints A-2 0-9, 1, . Rugged chrome piated zinc embossing tool, $91 h^{\prime \prime}$ long, comes with $180^{\prime \prime}$ horizontal letter embossing wheel PLus one magazine $3 /{ }^{\prime} "$ tape. Shpg. Wt., $11 / 6 \mathrm{lbs}$.
14 F 41591
Net 11.95

## DYMO $1 / 2^{\prime \prime}$ and $3 / 8^{\prime \prime}$ TAPEWRITER SET

- 2 Horizontal and 1 Vertical Letter


## Embossing Wheels

Model 1570 Exclusive "Touch Action" helps you make permanent, self-sticking Dymo labels, without effort. Great for organizing the office, store, stockroom, or workshop. Embosses easier-to-read "Designer" extended lelters in both $7 / 2^{"}$ and $3 / \operatorname{mon}^{\prime \prime}$ vinyl tape. Set includes rugged chrome plated zinc embossing tool. $91 / z^{\circ \prime}$ long. PLUS 2 different size horizontal letter and one vertical letter embossing wheels, PLUS one roll $1 / 2^{\prime \prime}$ black tape and one magazine th" red tape, Shipg. wt., $11 / 2$ lbs
14 F41609
Net 17.95
$1 / 4^{\prime \prime}$ or $3 / 8^{\prime \prime}$ LABELMAKERS

## - Handy Tape Cut-Off

Home labelmaker embosses raised charact ters on vinyl tape. Just dial the letters, numbers, or symbols and squeeze the handle. Has pull tab cut-off and rugged plastic body. Size: $61 / 2 \mathrm{~L} \times 6^{\circ} \mathrm{H}$. Choice of model with $1 / 4^{\prime \prime}$

14 F 41534 */" Model
14 F $410131 / 4^{\prime \prime}$ Model
Net 2.75

## 1/4 INCH

Each contains $144^{\prime \prime}$ of $1 / 4^{\prime \prime}$ glossy vinyl tape with adhesive backing. Shpg. Wi., $1 / 4 \mathrm{ib}$.

| Stock No. |  | Lots of 3.75 ea. |
| :--- | :--- | :--- |
| 14 F 41021 Blue | 14 F 41062 Brown |  |
| 14 F 41039 Green | 14 F 41070 | Black |
| 14 F 41047 | Red | 14 F 41302 Orange |
| 14 F 41054 | Clear | 14 F 41310 Yeltow |
| 14 F 41518 | Wal. Grain | 14 F 41328 Gold | $1 / 4 \mathrm{lb}$.

## MARK VI LABEL MAKER KIT

 Embosses Both ${ }^{3} / 8^{\prime \prime}$ and ${ }^{1} / 4^{\prime \prime}$ Tape
## 88

- You Get - Tool - 2 Wheels For Large and Small Characters, Case and 5.12' Rolls of Tape
Toot Only - Convenient Tape Cut-off Lever

DYMO $1 / 4^{\prime \prime}$ and $3 / 8^{\prime \prime}$ SLIMLINE

## TAPEWRITER KIT

- Flat Easy to Store Design
only
$14^{95}$
- Lightweight But Extremely Rugged

Model 1450 The Oymo SLIMLINE, compact, only $11_{4}$ " thick, $212^{\prime \prime}$ wide, and $81 / 4^{\prime \prime}$ long, lies flat, stores conveniently almost anywhere. Em. bosses new easier-to-read "Designer" extended letters in both $1 / 4^{\prime \prime}$ and $3 / 8$ " vinyl tape. Features sutomatic pull-tab tape cut off. Set includes SLIMLINE embossing tool with 2 different size horizontal tetter and one vertical letter embossing wheels. PLUS one roll $3{ }^{3}{ }^{\prime \prime}$ and one roll $1 / 4$ "" tape, PLUS molded carryink case. Shpg. $w 1 ., 13 / 4 \mathrm{tbs}$. 14 F 41542

Net 14.95

## 3/8" LABELMAKER

- With $144^{-}$Roll of Tape
- Horizontal Wheel


## PLUS Special

Vertical Wheel
For embossing raised white letters on $3 / 8^{\prime \prime}$ vinyl tape. Designed for easy operation. Perfect for making label anyplace in the home. Comes with automatic pulltab, tape cut-off, special-use 44 character vertical wheel and 42 character horizontal wheet. With $144^{\prime \prime}$ roll of $3 / 8$ inch tape. Made of high impact Cycolac plastic. Size: $5(\times 23 / 4 W \times 5 / 8 \mathrm{D}$. Shpg. wt., $11 / 2$ lbs. 14 F 41500

## DYMO EMBOSSING TAPES <br> $3 / 8$ INCH

Contains 144" of 3/6" dirt/moisture resistant vinyl tape with adhesive backing. Shpg. wt.

Net ea. 99

| Stock $\mathrm{N}_{0}$. |  | Lots of 3.85 ea. |  |
| :---: | :---: | :---: | :---: |
| 14 F 41112 | Brown | 14 F 41153 | Blue |
| 14 F 41120 | Black | 14F41161 | Creen |
| 14F41138 | Red | 14 F 41278 | Drange |
| 14 F 41146 | Clear | 14 F 41286 | Yellow |
| 14F41526 | Wal, Grain | 14 F 41294 | Gold |

Contains $144^{\prime \prime}$ or $12^{\prime \prime \prime}$ glossy vinyl tape with adhesive backing. Shpg. Wh., $1 / 4 \mathrm{lb}$.



80 AMP ARC WELDING OUTFIT

- Continuous Manual Duty Cycle - 9 Heat Ranges, 20-80 Amps. Model 80 A hardworking portable weider. Industrial type. Bullt for continuous welding on a wide variety of jobs for mainte. nance men, plumbers, steam•fitters, Repair-money-saver for farm, home, garage, shop. Dual coil construction. Primary amps. 29. Power factor $80 \%$. Arc volts, 25 . Welded metal cabinet $94 / 4 \times 121 / 2 \times 94 / a^{\prime \prime}$ Complete with


## HEAVY-DUTY 125 AMP

Model 1254 above, but super-industrial type for last production and maintenance, featuring 16 instant heat stages ranging from

- Handles Ko" to $1 /{ }^{\prime \prime}$ Rods on Work up to $1 / 4$ " thick head shield, ground, power and welding cables. assorted electrodes, electrode holder, 3 -prong plug, ground clamp and easy instructions. Plugs into a 115 -volt line fused for 30 amps $50 / 60 \mathrm{~Hz} \mathrm{AC}$. Shpg. wI., $361 / 2 \mathrm{Ibs}$

13 F 2 5514 WX $\qquad$ Net 79.95

## ARC WELDING OUTFIT

20 to 125 amps ; handes $\mathrm{K}_{0}$ " to $\mathrm{K}_{\mathrm{m}}{ }^{\prime \prime}$ rods on metal up to $1 / 2^{\prime \prime}$ thick. Shpg, wt., $831 / 2$ Ibs.
13 F 20522 NK

## CARBON ARC TORCH

Increases versatility of any arc welder. $A C$ or $D C$. Welds, solders, cuts, etc., all metals, Handles up to $1 / 4$ " carbons; use in heat ranges up to 125 amps . Two 5 ft cables, lugs. four $1 / 4^{\prime \prime}$ cored carbons. Shpg. wt., 2 lbs.

DYNAMIC
MARK 35
PORTABLE ELECTRIC ARC WELDER


No Home Workshop Should Be Without One


- Weld-Braze-Solder-Cut
- Produces $11,000^{\circ}$ Heat Operation on 110 Volt Line

Practical, dependable unit that produces professional welding-Save time, money by making your own repairs. Cuts and welds up. $1 / /^{\prime \prime}$ metais with $1 / 0^{\prime \prime}$ welding rods and $1 / 6^{\prime \prime}$ carbon. Completely portable. Simple instructions explain how to make spot repairs. Weld-braze-solder-cut on most metals. Ideal for use arourd home-shop-farmeven repair auto bodies. Includes welding and carbon rods. Protective mask, holders, 10 ft . H.D. cables, ground clamp, brazing rods, flux, solder and instruction manual. For 115 y AC or DC. Fused for 30 amps. Shpg. wt., $71 / a$ lbs. 13 F 20548

Net 19.95

## MINI-TORCH BLOW TORCH AND SOLDERING KIT

- Pencil Size With Pinpoint Flame-Solder-Brazes


An extremely useful and highly efficient miniature blow torch. A high heat, $3500^{\circ} \mathrm{F}$, pin point flame delivers linstant power Unit is less than $7^{\prime \prime}$ fong from end to end. Charged by a butane cartridge which gives 30 minutes of continuous service. May be turned on or off at any time. Economical throw-away car tridges can be stored indefinitely. Entire unlt weighs approximately 4 02. A true portable high heat torch. Ideal for repairs on wiring-radio-TV installations-appllances-pipes and plumb. ing. Wonderful for making putty soft and workable. Supplled complete with 2 chargers, soldering tip and coll of rosin core solder. Shpg. wt., 1 lb .
13F45016

## Turner BLOW-TORCH KIT

Model IT-99 Everything the home handyman needs to sweat fittlings, solder and bend metal. All brass torch with improved pencil point burner assembly, heavy duty burner tip for larger flame, chisel point solder tip. brass flame spread, spark lighter and tank of fuel Durable steel chest. UL listed. $6 \times 10 y / 4 \times 3^{\prime \prime}$. Wt., 5 1bs
13 F $26503 \quad$............Net 7.95 Super capacity fuel tank. Flts all standard propane torches. stoves, lanterns, etc. Shpg. wt., $23 / 2 \mathrm{lbs}$. 13F 26511 ............Net 1.29

## MICROFLAME ${ }^{\circ}$

gas welding torch sets

(B)
$17^{95}$

WELDS, BRAZES, CUTS MOST METALS


## Completely Self-Contained Torch

 Produces $5000^{\circ}$ F Pin-Point Flame
## (A) Miniature Torch Set

Miniature gas welding torch for precision welding, brazing and cutting lobs. Pin-point flame produces high heat in a very selective area. Many uses in printed circuit repair, jewelry repalr, shop, dental lab, tool and model making. Hand-held, lightweight torch has selfcontalned oxygen and LP cyilinders which are easily replaced, Up to 20 minutes of continuous heat. Cylinders last indelinitely when not In use. Complete torch with 3 tip sizes, 1 cylinder butane, 1 cylinder oxygen, Raskets and instructions. Oveiall size: $51 / 4 \mathrm{~L} \times 2 \mathrm{~W} \times 11 / \mathrm{a}^{\prime \prime}$ thick. 14 F 42508 Shpg. wt., 1 lb.

Net 17.95 - Net 14 F 42524 Oxygen Cylinder (Pk. of 2) Net
Net
1.39

## (B) Deluxe Miniature Torch Set

Deluxe miniature torch set is simitar to basic torch set above but includes 6 oxygen cylinders, 3 LP gas cylinders, spark igniter, 3 welding tips, 4, 6 inch gold-siliver alloy brazing rods, a two-way bench bracket for mounting on bench or pegboard plus booklet on "How to Weld" properly. Comes with storage case. Shpg. wt., 2 lbs.

## 14 F 42532

Net 26.95



(A) 100/140 WAIT "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 $\mathbf{8 2 0 0}$-PK. Just the thing for the novice or professional. Compact design and built-in prefocused spotlight eliminates maneuvering difficuities. Break-proof plastic utllity case can be used to hold other parts or tools. Weller Expert Soldering Kit features the 8200 gun with exclusive tip Grip which assures constant heat. Dual heat feature glves choice of 100 or 140 watts with the puli of the trigger. Accessories include 3 durable soldering tips, tip changing wrench, nyion flur brush, soldering aid to facilitate difficult connections and all purpose solder. All the items you need for first-class solder connections are packed in a high impact plasfic case. UL listed. 13 F 39159 Shpg. Wt., $41 / 4$ bs.

Net ea. 8.25 Lots of 3

Net ea. 7.30

## 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 f 38142 Shpg. wt., 3 lbs.
lots of 3
Net ea. 6.70

## TEMPMATIC* TEMPERATURE CONTROLLED SOLDERING TOOL

 30,000 connections. Controlled maxfmum temperature assures delicate component protection. Convenient ejection button permits changing powerheads In seconds without tools. long-life premium plated tips vastly extend tip life. With stainless steel, long reach barrel for difficult locations. For 117 volts AC.
Model GT-7A Tool with Ki" Chisel-Point $700^{\circ}$ F Powerhead 13 f 39571 Shpg. wt. 1 ib

Net 9.75 Modef GT-58 Tool with $1 / \mathrm{s}^{\prime \prime}$ Conical-Point $600^{\circ}$ F Powerhead 13 F 39589 Shpg. wt., 1 lb .

Net 9.75

## W-PS "PENCIL" SOLDERING IRON



Low-cost, lightweight soldering fron designed for miniature soldering, kit building and production work. 25 watts, extremely efficient, ruggedly constructed. Impact-resistant handle remains cool. For 110 120 volts, 60 Hz . AC. Complete with tip and 2 wire power cord. See additional tips under replacement tip listing. Shpg. wt.. 7 oz.

|  |  |  | Net Each |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock NO. | Mfg. No. | Description | 1.11 | 12+ |
| 13 F 39415 | WPS | Iron, Ko" tip and cord | 4.95 | 4.45 |

## [C 240/325 WATT HEAVY DUTY SOLDERING KIT

MODEL D-550 PK. A Professional Heavy Duty 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 Changing wrench and instruction Booklet. Replacement and accessory tips are available at low cost to fit special applications. Entire kit is enclosed in a high impact plastic case with carrying handle. UL Hsted. Shpg. wt., 5 lbs.
13 F 39183
Net ea. 13.70
Lots of 3
Net ea. 12.35
Model D. 550 240/325.Watt Heavy Duty Soldering Gun. UL listed. Shpg. wt., $3 \mathbf{y} / \mathrm{lbs}$.
13 F 39175
Net ea. 11.20
Lots of 3
Net ea. 10.15

## (D) 145/210 WATT PROFESSIONAL SOLDERING GUN

MODEL $0-440$. New High Wattage. Guns-these latest 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 D-440. Dual-heat type. $145 / 210$ watts. UL Isted. Shpg. wt., 3 lbs. 13 F 39167

Net ea, 9.95 Lots of 3

Net ea. 8.95

Stock No. Type Description Avg. shgg. wt., 3 oz . Net

| 13 F 39191 | 7300 | Copper Tip, phe of 2, for B, S-107, 0-207 | , |
| :---: | :---: | :---: | :---: |
| 13 F 39209 | 8125 | Plated Tip, pkg of 2, for 8200, 81008 | 9 |
| 13 F 39217 | 8125N | Tip Nuts with Tip for 8200,81008 | 69 |
| 13 F 39225 | 7135 | Copper Tip, pkg. of 2, S-400, D-440, 8100 | 69 |
| 13 F 39233 | 7135N | Tip Nuts with Tip for S-400, D-440, 8100 | 69 |
| 13 F 39258 | 7250N | Tip Nuts, Tip, S-500, D-550, 8250A | 9 |
| 13 F 39274 | 6110 | Cutting Tip for D-440, 8100, 8200, 8100B | 9 |
| 13 F 39282 | 6120 | Smoothing Tip for D.440, 8100, B8200 | 69 |
| 13 F 39290 | 6130 | Cutting Tip for D-550, 8250A | 9 |
| 13 F 39308 | 6140 | Smoothing Tip for D-550, 8250A | 69 |
| 13 F 39316 | 7323 | Switch for all Single Heat Models | 1.20 |
| 13 F 39324 | 7324 | Switch for all Duat-Heat Models | 1.20 |
| 13 F 39423 | ST-1 | Ko" Screwdriver Tip for WPS | 1.00 |
| 13 F 39431 | ST-2 | \% $_{\text {\% }}$ "' Screwdriver Tip for WPS | 1.00 |
| 13 F 39449 | ST-3 | 1\%" Screwdriver Tip for WPS | 1.00 |
| 13 F 39530 | ST-4 | Ki" Screwdriver Tip for WPS | 1.00 |

## SOLDERING IRON KIT


$3^{95}$

- Develops $750^{\circ}$ Tip Temperature
Model SP-23-K perfect Iron for hobbyist and professional. Pencil tips permit accurate soldering of connections or joints. KIt contains: 25 watt Iron; 5 it $60 / 40$ Rosin core solder; 3 pre-tinned plated copper tips; solder aid tool and instructions.
13 F 39456 Shpg. wt., 1 lb. ...... Net 3.95 Model SP-23 25 Watt Soldering Pencil. 13 F 39464 Shipg. wt., $1 / 2$ tb..... Net 2.75 Cone shape tips for Sp-23 Iron. 13 F 39548 (pk. of 2) Net 75


# Soldering Guns-Irons and Aids 



Comfortable, contoured grip offers long perlods of use without strain. 30-watt ventilated element is just right for working on printed circults and miniature electronic equipment. Designed for extra long life and dependable service. Easily replaceable tip. Imported. 115 VAC. Shpg. wt., $3 / 4 \mathrm{lb}$.
99 F 80814
Net 1.99
99 F 80285 Replacement Tip. Shpg. wt., 2 oz.
Net 29

## LAFAYETTE 30-WATT SOLDERING PENCIL

- Lightweight
- Exceptionally Cool Running!

Nine inches long welghing a mere 2 ot. less the cord-for reach ing easily into "parts-packed" chassis. Especially suited for precislon electronic wiring. Highly stable heating assures long ilfe. Replaceable screw-in, nickel-plated copper tip. $110 \cdot 120 \mathrm{v}$ AC/DC. Imported. Shpg. wt., 3/4 lb.
99 F 10277
Net 1.59
99 F 0285 Replacement Tip $\qquad$ Net .29

## ORYX-TELVAC MINIATURE SOLDERING IRON

## - World's Lightest-

Only 1 / 4 ounce!

- Only 6 " Long!
- Incomparable for Transistor.

Heats in 30 seconds-long Ilfe-low voltage element. Prevents damage to small essemblies-pin point heaf concentratlon. Sturdyno ceramic or mica formers, operates from any 6 volt sourceIncluding dry cells, wet cells, filament or step down transformers. Ave. shpg. wt., 6 oz.

| \$tock Mo. | Type | Watts | Tip | 1-11 | $\begin{aligned} & 12 \text { or } \\ & \text { More } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 13F78017 | 6 | 6 | Fixed | 5.38 | 5.35 |
| 13 F. 78025 | 64 | 6 | 8 | 5.3 | 5.35 |
| 13 F 78033 | 9-6 | 8.3 | A. 8 | 5.5 | 5.35 |
| 13 F 78041 | 11.6* | 10 | D, E | 7.4 | 6.70 |
| 13 E 78058 | 12.6 | 12 | C | 5.t5 | 5.35 |
| 13 E 78066 | 18-6 | 18 | F | 7.35 | 1.15 |
| 13 F. 76074 | $25.12 \dagger$ | 25 | G, H | 8.45 | 7.60 |

-Develops $1000^{\circ} \mathrm{F}$ uses 12 -Volt Avg-

$$
\text { REPLACEMENT TIPS wt. } 2 \text { ox. }
$$

Nickel*. Others are nickel plated copper.


ORYX TRANSFORMERS
13 F 78165 Type 542036 .Volt Shpg. wt., 2 Ibs. 13 F 78173 Type $\$ 420$ 12-Volt Shpg. wt., 2 lbs.


## Net 5.50

 Net 6.45

## - Features Automatic Thermal Regulation

Model 450x4. Complete soldering hit deslgned to handle every soldering job from the most delicate printed circuit, to rugged sheet metal, work. Kit contalns 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. wh. 4 lbs.
13 F 65364 Net ea. $12.95 \ldots$ Lot of 311.50 ea.

## LIGHTWEIGHT SOLDERANG PISTOL



WEM 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. 120V AC. UL listed. Shpg. wt., $13 / 4 \mathrm{lbs}$.
13 F 65279
Net 4.29
Lots of 3 each
Net 3.85

## Shpg. wt. 3 oz. WEN REPLACENENT TIPS

| Stock No. | Type | Description | Net |
| :---: | :---: | :---: | :---: |
| 13.65220 | 4577 | 25-100w Tip for 222,450 | 1.19 |
| 13 F 65231 | 45M7 | 100-200w Tip for 222,450 | 1.19 |
| 13 F 6524s | 45A7 | 200-450w Tip for 450 | 1.19 |
| 13 F 65204 | 75A7 | Std. Tip for 75 | . 89 |
| 13 F 65212 | 7587 | Fine $71 p$ for 75 | 49 |
| 13 F 65295 | 1984 | Repl Tip for 100 | . 49 |
| 13 f 65253 | $45 \$ 7$ | Plastic Cutter Attachment for 222 and 450 | . 59 |
| 13 F 65261 | 45P57 | Flat Iron Attachment for 222 and 450 | . 59 |

## LOCKING FORCEPS



All stainless steel $51 / 2^{\prime \prime}$ long. They have unusual holding qualitles necessary in many servicing situatlons. Shpg. wt., 4 oz . 14 F. 23011 Straight Nose $\qquad$ Net 2.09 14 F 23029 Curved Nose


Set of 5 spring loaded aluminum heat sinks to protect components while soldering. Includes $14 / 2^{-\prime}$ and $21 / 2^{\prime \prime}$ straight and bent faws, and one $21 / 2^{\prime \prime}$ wlth magnetle base for use as a third "hand."
14 F 15017 Shpg. wt., 4 oz. $\qquad$ Net 1.29

## BEAU.TECH SOLDERING AIDS

## $\longrightarrow==$

Hard-chrome plated tips to shed solder with both ends insulated from one another. Spade end for scraping joints, connections or reaming out lug holes. Shpg. wt., 3 oz.

## Stock Ne.

Net ea,
14 F 24019 Printed Circult-Straight Tip ... . 99 14 F 24027 Printed Circuit-Angled Tip ... . 99 14 F 24035 Printed Circuit-Scraper Tip . 99 14 F 24043 Stralght Tp 1.18 14 F 24050 Angled Tip ................................19

## Ungar Standard Line Soldering Tools

 $115 \mathrm{~V}, \mathrm{AC}$-DC.ony $10^{95}$

- Hi-Lo Switch, Instant Selection of $500^{\circ}$ or $900^{\circ} \mathrm{F}$


HEATING UNITS


For use interchangeably with any tiplet ex. cept * for 800 and $\dagger$ for 100 series only. Iron base, silver plated. Av. shpg. wt, 4 oz . For

SOLIO STATE SOLDERING GUN

| - Interchangeable Tips \& Heating Units <br> $5^{50}$ <br> - Complete with 777 Handle, 371⁄2W Heating Unit, 3 Tips, Solder <br> ctronic as sembly and service. Features $\$ 777$ pastel handle with "Clean-Cool" grip, \#1237 heating unit. 3 interchangeable thread-on-copper tips. and a soool of $60 / 40$ rosin core solder UL listed. Shpg. wt., 8 oz . <br> 13 F 21900 <br> 1-5, Net each 5.50 |  |
| :---: | :---: |
|  |  |
|  |  |
|  |  |



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, $3 / 4 \mathrm{Lx}^{2} / \mathrm{t}^{\prime \prime}$ 0.0 ., are used with 1237 and 4037 units only. The 300 series tiplets, $11 \times 1 / 3^{\prime \prime} 0.0$., are used with heating units $535,1235,4035$ and with the Princess soldering irons. The 800 series Tiplets K $_{4}$ "O.D. for high heat transfer are used with the 4035 unlit. 833 and $83413 / 4 \sim \mathrm{LL}$. 823 and 824 are 1 "L. Avg. shpg. wt., 4 oz .


## SOLIO STATE SOLDERING GUN

## Ungar Soldering Irons-Solder



## Ungar <br> As Low As <br> - Featherweight only 3 oz

PRINCESS MINIATURE SOLDERING IRON KITS

- Operates on 120 Volts AC/DC
- Complete with 10 Watt Capsule, 3 Copper Tips
Model 6975 Pencis light, high heat fron for critical miniature soldering, provides flexibility in tip shapes. Heat capsules and soldering nibs thread into turquoise handle with fingertip ease. Shpg. wt., 502

| Stock No. | 1.9 | $10-49$ | $50-4 \rho$ |
| :--- | :--- | :--- | ---: |
| 13 F 21876 | 8.45 | 7.35 | 6.45 | PRINCESS SOLDERING STATION, Model 6900. Same as kit above but with deluxe soldering Iron holder equipped with sponge. 7 oz .


| Stock No. | 1.9 | $\mathbf{1 0 - 4 9}$ | $50-\mathrm{up}$ |
| :--- | :---: | :---: | :---: |
| 13 F 21884 | 11.95 | 10.35 | 9.20 | Replacement sponge for Model 6900 . 13 F 20795

heat capsules
For use with Princess minlature soldering Irons. Heat ranges from $400^{\circ} \mathrm{F}$ ( 6 watts) to $1000^{\circ} \mathrm{F}$ ( 18 watts). Shpg. wt., 302.
Stock No. Model Tip Temperature Watts

| 13 F 21934 | 6910 | $550^{\circ}$ F to $650^{\circ}$ F | 10 |
| :--- | :---: | :---: | :---: | :---: |
| 13 F 21892 | 6915 | $700^{\circ}$ F to $800^{\circ}$ F | 15 |
| 13 F 21942 | 6918 | $900^{\circ}$ F to $1000^{\circ} \mathrm{F}$ | 18 |
|  |  |  |  |
| Net each |  |  |  |
| 4.9 | 10.49 | 50 up |  |
| 4.20 | 3.65 | 2.23 |  |

## REPLACEMENT TIPS

See Facing Page For Listing Under Tiplets And Minltips. "PL-300 And 300 Series Will Fit Princess Heat Capsules.

## PRINCESS DE-SOLDERETTE



For Removal of Microminiature Components...Ideal for I.C. Chip Re-Work and Repair.
Fast...Safe...Efficient.
MODEL 6992. 18 watt Heat Capsule melts solder fast. Vacuum tip rated at 5.502 . per sq. In. draws melted solder from board for easy removal of microminiature components. "Ungarized" white coating inside and outside of collector prevents molten solder from sticking. Stainless steet tip with . 033 aperture prevents clogging. Shpg. wt., $1 / 2 \mathrm{lb}$.
13 F 21918 Net Ea. $\begin{array}{rlrr}1-9 & 10-49 & 50 \mathrm{up} \\ & 16.42 & 14.28 & 12.53\end{array}$

## SPYRALINE SOLDER



## - 60\% TIN - 40\% LEAD

11 ft . of high quality. Ko" $60 / 40$ activated resin core solder in handy dispenser. Container is non-flammable-affords insulation when working on a "hot" circuit. Eliminates waste-pull out only what you need. Keeps solder clean and unsnarled. Shpg. wt., $1 / 2 \mathrm{lb}$.
14 F 39058 Singly. Ea. .65 Lots of 3.57 ea.

SPYRALINE PMINTED CIRCUIT TOUCK UP SOLOER designed for a tast bond without overheating. Melting range of $240^{\circ}-320^{\circ} \mathrm{F}$ : for low wattage soldering Iron. Safe for silver. ceramics and transistors. Shpg. wt. 1/2 lb.
14 F 39066 Net ea. . 85 Lots of 3.76 ea. PRINT-KOTE SOLDER. Non-corrosive flux with low melting solder combined with pure silver. 3 oz. coil. Shpe. wt. 402.
13 F 60098 GC-9131
Net .69
CHEMALLOY FLUXLESS ALUMINUM SOLDER


- No Flux Needed-Easy To Use

New, improved, fluxtess aluminum solder will solder, braze, or weld aluminum zinc, potmetals, copper, brass, galvanized metals, aluminired-copperized-tinned surfaces. Solders and "fllls" die cast parts. 14 F 340187 oz. Bar, $500^{\circ}$
$14 \mathrm{~F} 340187 \mathrm{0Z}$. Bar, $500^{\circ}$
$14 \mathrm{FF} 34034 \mathrm{IN}_{2} \mathrm{ibs}$. Bulk, $500^{\circ}$

Made of polished nickel.plated spring steel. Shpg. wt , 3 oz .
Self-Closing Type. $62 / 2^{\circ \prime}$ long, with blunt points.
13 F 60858 ( ( )
Net .99
Heavy-Duty Type. $6 \frac{1}{2} 2^{m}$. long, with slide lock and blunt points.
13 F 60866 ( $B$ )
Net 1.10
Precision Type. 4 2/2"L. Pointed.
13 F 60874 (C)
Net .75
All 3 above in leatherette case.
13 F 80882

## G.C. Alignment Tools And Service Aids


(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L)

| Stock No. | TYPE | Fig. | DESCRIPTION |  |
| :---: | :---: | :---: | :---: | :---: |
| 13 F 60502 | 5000 | A | Metal Tip Alignment Sc | 6 |
| 13860510 | 5066 | B | Short Alignment Screwdriver |  |
| 13 F 60536 | 8195 | C | Channel Tuning Tool with $1 / 8^{\prime \prime}$ bla | 8 |
| 13 F 60619 | 8282 | 0 | Zenith TV Wrench \& Allgner | . 37 |
| 13 F 60627 | 8606 | E | Zenith Ny lon Hex Wrench | . 48 |
| 13 F 60635 | 9087 | F | Slug Tuner Adjusting Tool | 75 |
| 13 F 60668 | 8273 | G | TV All-Purpose Aligner, recessed blade | 99 |
| 13 F 60700 | 8987 | H | X. 57 Long SHm Screwdrlver $7^{\prime \prime}$ | . 69 |
| 13 F 60718 | 8988 | H | $\mathrm{x}-57$ Long Slim Screwdriver $12^{\prime \prime}$ | . 99 |
| 13 F 60726 | 8728A | 1 | $7^{\prime \prime}$ Delrin Screwdriver | . 47 |
| 13 F 60734 | 8728 |  | 12" Long Delrin Screwdriver | . 58 |
| $13 \text { F } 60742$ | $9440$ | J | Transistor I.F. core alignment tool | . 63 |
| $13 \text { F } 60759$ | $9298$ | K | Recessed Driver with 1/8" Blade | . 48 |
| 13 F 60767 | 9091 | , | 5". 125 Mex Double End Iron Core Tonl | . 48 |

TEL-A-TURN ALIGNMENT TOOLS
CD

Automatically counts the turns right or left, just insert the tool in screw head, or slug, ine up calibrator sleeve, rotate tool, read the number of turns on calibrator. Made of polyester fiberglass with clear calibration sleeve. Shpg. wt., 2 oz. If Aligner. One end fits a 44 stud, the other end fits a \# stud. Shpg. wt., 3 oz.
13 F 60775 Tel-a-Turn Tool .. ... Net 1.05 An alignment tool with standard metal tip at one end. Other end $1 / 4 \mathrm{~m}$ ". Shpg, wt., 3 oz. 13 F 60783 .... Tel-arTurn Tool .....Net 1.05 A double-ended Hex aligner that turns both top and bottom slugs. One end has $100^{\prime \prime}$ hex, other is $.125^{\prime \prime}$ hex. Shpg wt, 3 oz.
13 F 60791 .... Tel-a-Turn Tool ..... Net 1.05 UNIVERSAL ALIGNMENT TOOL KIT
$\qquad$

$6^{26}$
G. C. STANDARD T.V. ALIGNMENT TOOL KIT
Model 8455. Contains nine essential fools roll-type case: TV K-tran, TV channel tool, TV short tool for RF and IF, TV core aligner, TV universal aligner, TV oscillator tool, TV jong reach aligner, TV duplex aligner, TV flex, tuning wand. A quality kit-made to last and wear. Complete with case.
13 F 60817 Shpq. wt. 8 or
Net 6.26
COLOR T.V. ALIGNMENT TOOL KIT




REPAIR CRADLE $5^{45}$
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 sefups. All metal, sturdy construction. Adjustable width for different sizes of turntables, etc. Shpg. wt. 4 lbs

## 13 F 60890

Net 5.45
ILLUMINATED MIRROR


Battery powered, Inspecting tool with insulated shaft. Locking switch for on-off and one-hand operation. With bulb but less batteries, $121 / 4$ " long. Shpg. wt., 1 lb.

## 13 F 60825

Net 2.02 Batteries for above. (2 Required.) 99 F 62580

Net. ea. 10
INSPECTION MIRROR

Made of metal shaft with $1^{\prime \prime}$ dia. glass mirror and plastic handle. Length $77 \mathrm{~s}^{\prime \prime}$. Shpp. wt., 3 oz.

Net .42


CHEMICALS

## As Low As <br> 

Pllobond Cement Sticks anvthine to any thing. Dries rapidly
waterproof-very high strength. Shpg. wi., 1302.

Net . 60 13 F60973 2 o7s. Red-X Corona 0ope. Prevents corona shorts
in Hi-Voltage circuits. Flexible-fast drying. in Hi-Voltage circuits. Flexible - fast drying.
13 F 609812 ozs. Shipg, wh., 7 oz. Net. 78 Electronic Contact Cleaner. New red cleaner made with DE-OX.10. Fast drying-universal contact cleaner. Shpg. wt., 7 oz.
13 F 610132 ozs.
Net 70
Service Cement. For repairing speakers and general radio work. Vibration-proof, water-prool-fast drying.

Five different alignment tools for all stand. and adjustments in color TV. Made of natural Delrinee for extra durability. Includes "Ex-tend-It' which makes each tool a long reach aligner. Each tool is color coded for easy identlficatlon. Packed in vinyl pocket saver. 13 F 61203 Shps. Wt.. $1 \mathbf{0 z}$. Net 2.49

## CB ALIGNMENT TOOL KIT

- A Must For Every CB Owner Or Repairman

Model 9210 Nine precision adjustment tools for tuning IF transformers, RF coils, antennas, oscillator coils plus countless of her fine Intricate adjustments. Packaged in a durable plastic carrying case. Shpg. wt, 4 oz . 13 F 61237

Net 4.89


Dry in minutes, goes on clearstays clear, tough, pliable, last. ing. Prevents deterioration and moisture breakdown of insulation. Preserves and protects. 1 Pint Can.

13 £14673 Net 1.59
Lots of $3 \quad 1.39$ ea.
ECCOBOND 26


- Sticks

Anything
10
Anything
Handiest bonding agent ever for the lab bench or production line. 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 palint readily. White color. Mixes easily. Shpg, wt., 8 ors.
14 F 51053
Net 1.95

## CORD STRAIN RELIEFS



Package of 5 rubber cord strain reliefs pre. vents all standard line cords from pulling loose. Fits $3 / 8$ " holes for permanent or temporary installations. Imported. Shpg, Wit. 202.

Net 19
 99 F 62747 ...... Net
"LEVEL-UP" UNIVERSAL


SURFACE LEVELER $99^{\circ}$
Level anything. Simply center the bubble in the ring. The "Level.Up" may be mounted on a larger base for spanning large areas Imported. Shog wt.. 4025.
99 F 80376

# Waldom Solderless Terminals and Connectors <br> Highest quallty terminals made of pure copper, electrotin plated. 

SOLDERLESS TERMINALS, CONNECTOR ASSORTMENT WITH CRIMPING TOOLS


## Non-Insulated Type

Terminal Assortment
215 Non-insulated Types Indicated by asterisk (*) right , plus Universal Crimping Tool. In handy compartmented plastic box. 13 F 43011 Shpg. wi., 4 lbs.
Insulated Type Terminal Assortment 138 Insulated Types indicated by ( $\dagger$ ) right plus Universal Crimping Tool. In handy compartmented plastic box with hinged cover. 13 f 43029 shpg. wi., 3 bs. ....... Net 13.85

Insulated types have permanently attached rigid vinyi sleeves. Crimp on rapidly and make positive, unlformly rellable connections. Column headed "Type"; ST is Spade Y is Bue; H Connector (length of Flanged Spade; RT is Ring Tongue; $B$ is Butt Connector (length of non-insulated \%o insulated "Yin; QDM is Quick Disconnect Male! QDF is Quick Disconnect Female; NI is Nylon Insulated Closed End Connector. Shpg. wt., 4 oz.



| Stock No. | size | Q Qty. | Net |
| :---: | :---: | :---: | :---: |
| 13 F 43912 | 4/8" | 25 | . 59 |
| 13 F 43992 | צ0, | - 20 | . 59 |
| 13 F 43938 | $1 / 4{ }^{\prime \prime}$ | 18 | . 59 |
| 13 F 43946 | $\%_{0}{ }^{\prime \prime}$ | - 15 | . 59 |
| 13 F 43953 | 7/ | 15 | . 59 |
| 13 F 43961 | y/2" | - 10 | . 59 |
| 13 F 43979 | 5\%" | " | 59 |
| - Fig. 2.3-Solder Lugs-Nol Tin Dipped |  |  |  |
| Stoek No. | Fig. | Size Hole aty. | Net |
| 13 F 43987 | 2 | \#6 45 | . 59 |
| 13 F 43995 | 2 | "8 45 | 59 |
| 13 F 43417 | 3 | \#6 45 | . 59 |
| 13 F 43425 | 3 | \#8 45 | . 59 |
| Fig. 4-Knot Set Screws |  |  |  |
| Stock No. |  | aty. | Nat |
| 13 F 42518 | sortment | 120 | . 59 |



SELF-TAPPING SHEET METAL KIT
Contains balanced assortment of plated selftapping, slotted hex head sheet metal screws in slies: \#4 $\times 7 / \mathbf{m}^{\prime \prime}, \# 6 \times 1 / 4^{\prime \prime}, ~ \# 6 \times 1 / 2^{\prime \prime}$, " 6 $\times 3 / 4{ }^{\prime \prime}, \# 8 \times 1 / 4 " \dagger$ " $8 \times 3 / \mathbf{m}^{\prime \prime}, \# 8 \times 1 / 2^{\prime \prime}$, and \#8 x $5 / 6$ ". Total of 165 pieces in handy compartmented plastic box with hinged cover. 13 F 73190 Shpg. wt., $1 / / \mathrm{lb}$.

## 80

## ADJUSTABLE STORAGE BOXES

"See thru" plastic. Full width compartments are adjust-able- 9 dividers are supplied with each box. Curved "rollout" tyoe compartments allow fingertios to roll small tems out with ease. Boxes can be stacked. Size: $11 / 4 \times 81 / 4 \times 53 / 4$ ". Avaliable in two types. Shpg. Wt., $1 / 4 \mathrm{lb}$. 13 F 762273 compartments

## MACHINE SCREWS, NUTS AND SNEET METAL

 SCREW KITPacket as above. Contains round-head steel plated machine screws in sizes: $4-40 \times 1 / 2$, $6 / 32 \times 1 / 4,6 / 32 \times 3 / 4,8 / 32 \times 1 / 2$, sheet metal screws. $\# 6 \times 1 / 2$ and assoriment of nuts. Tatal of 265 pieces. Shpg. 1., 1/4 lb . 13 F 73200 Net 1.79

BINDER MEAD ASST.
Same as above but machine screws have binder heads.
13 F 73216 Shpg. wt., 7/4 lb.
Net 1.79
WOOD SCREW KIT
In same handy box. Contains assortment of 131 round head and flat head plated wood screws in 8 slizes for \#4, 6 and 8 holes. 13 f 73724 Shpg. wt., $7 / 4 \mathrm{lb}$...........Net 1.79 Net 1.79




CRIMPING TOOL with BOLT CUTTER - Crimps Insulated \& NonInsulated Terminals - Slices 6 Bolt Sizes

Handy, fast tool for all electrical connections. No soldering needed. Cuts and strips wire 22 to 10 gauge. Wire cutter at tip for close work. Crimps both insulated and non-insulated terminals. Bolt slicer accommodates 6 sizes of bolts, 4-40, 5-40, 6-32. 2-32, 10-32 and 10-24: Black oxide IInish for beauty and durability. Insulated handles. 13 F 77001 Shpg. wt., $3 / 4 \mathrm{lb}$...........Net 5.25



A complete crimp tool wit for home, shop. Solderless terminal crimp tool cuts any size wire up to 10 gauge, strips wire easily with clearly marked gauges. Crimps terminats quickly with precision tooled crimping dies. Easy to use with comfortable insulated handes. Complete with plastic box of assorted solderless terminals and connectors. Imported
13 F 70006 Shpg. wt., $3 / 4 \mathrm{lb}$.
Net 2.49

## WIRE BENDING JIG



Handi-Bender forms wire sizes up to $\psi^{\prime \prime}$ dia. Steel slots and steel bending pins make basic bends such as eyes, angles, curves. circles, and for straightening wire. Makes dozens of useful and decorative articles. Complete instructions included.
14 F 70103 Shps. wt., $1 / 2 \mathrm{lb}$.
Net 1.19


# 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 machine shop with an assoriment of fine accessories 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-Tooi with high speed steel cutters, grinding wheels, wire and bristle brushes, rubber polishing tip, sanding discs, drum sander and sanding bands, mandrels, dressing stone, finger grlp extenslon, collet wrench, $1 / 8^{\prime \prime}, 3 / 32^{\prime \prime}, 1 / 16^{\prime \prime}$. and $1 / 32^{\prime \prime}$ collets. 117 VAC, .5 amp motor. UL listed.
14 F 43043 Shpg. wt., $23 / 4 \mathrm{lbs}$.
Net 29.95
Model 260 Moto. Tool only-
14 F 43125 Shpg. wt. $11 / 4 \mathrm{lbs}$.
Net 22.95
Model 271 -Heavy Duity Moto-Tool Kit. Similar to above but with heavy duty 8 amp. No. 270 Moto-Tool.
14 F 43050 Shpg. wt., 4 lbs.
Model 270 Heavy.Duty Moto-Tool only-
14 F 43134 Shpg. wt.; $11 / 4$ los.
Net 26.95

ELECTRIC VARI-TOOL KIT

$19^{95}$

Handles with fingertip ease all jobs from precision hobby work, to industrial deburring. Works on wood, hardened steel non-ferrous metals, glass, ceramics, and plastics. Features in. clude: SJlde-snap "on-off"' switch, stay cool Lexan unbreakable housing, insulated case, powerful 115 V universal motor, self-aligning sleeve bearings, balanced speed to torque ratio dynamicaliy balanced armature. Includes 6 sanding discs, felt polishing wheel, cup bristle brush, cavity wire brush, grinding wheels, mandrel, rotary tlle. $1 / 8^{\prime \prime} \mathrm{high}$ speed drill, $1 / 8^{\prime \prime}$ collet, and collet wrench. Change accessories in seconds with instant-action chuch. Accessories packaged in a re-sealable plastic bag. UL Itsted. Wt., 2 lbs. 15 F 53523 Net 19.9 - Heavy-Duty . 75 Amp Tool

## DREMEL МОTO-TOOL ACCESSORIES



## 8-PC. BRUSH AND STONE SET



8 -assorted pieces mounted on $1 / \mathrm{a}^{\prime \prime}$ or kis" shanks. Consists of 3 mounted grinding stones, 2 bristle brushes, 2 wire wheels, and 1 steel bun. Ideal for hobby tools. In handy plastic box. Shpg. wt, 4 oz.
13 F 50024.

Net 2.19

- Grinds-Sands-Drills Polishes-Carves-etc.

12-PC. ROTARY STEEL CUTTER SET

## VARIABLE SPEED FOOT CONTROL



- Speed Variable from 0 to Max. Speed of Motor
Regulate the speed of the motor in your sewing machine, hobby tool, etc. Handles up to 110 watts. $10 \cdot \mathrm{ft}$. cord with 2-way outlet-for motor and light. I amp.
12 F 54010 Shpg. wt., $11 / 2 \mathrm{lbs}$.
Net 3.49


Selected assortment of 12 steel burrs of different shapes. Tempered tool steel for use on metal, plastic or wood. $1 / \mathrm{b}^{\prime \prime}$ and $1 / \mathrm{H}^{\prime \prime \prime}$ shanks, in handy plastic boz. Ideal for hobby tools. Shpg. wt., 3 oz.
13 F 50032
Net 2.49
6.PC. MOUNTED STONE SET

dald 1
Six assorted grinding stones and wheels. Set of mounted grinding points, stones, and wheels. Mounted on $1 / \mathrm{g}^{\prime \prime}$ and $y_{x}$ " shafts. An ideal accessory for the hobby tools. Shpg. wt., 4 oz. 13 F 50016 $\qquad$ Net 1.59


DREMEL DELUXE MULTI-PURPOSE MOTO-SHOP

## $46^{95}$

No Money Down*

- 5 Basic Powertools In One Compact Unit
- Jig Saw-Disc Sander-Bench Grinder-Buffing Wheel-Flexible Shaft
- Powered By Ball-Bearing 3450 RPM Rotary Motor
 Model 572 Lightweight, compact portable multi-purpose workshop with $15^{\prime \prime}$ jig saw. Flexible accessory shaft attaches directly to power takeoff from motor for drilling, grinding, routing, sharpening, de. burring and carving; has ollless bronze bearing, instant action wrenchless chuck, and neoprene cover. Accessories include: 3 -sanding discs, grinding wheel. cloth buffing wheel. wire brush wheel, wheel guard, mounting bracket, 12 -piece set, and 4 -saw blades. U.L. Listed. 117 V . 60 Hz AC . Shpr. wt. 18 lbs. 14 F 43068W

Net 45.95

# UNIMAT Miniature Machine Shop 

## The ALL-PURPOSE 5-in-1 METAL-MACHINING WORKSHOP

- Precision Metal-Working Lathe
- 11-Speed Ball-Bearing Spindle, Accurate to $1 / 2$ Thousandths
- Converts to Vertical Mill or Drill in Seconds
- Turn, Mill, Bore, Saw, Buff, Sand, Polish, Grind-Steel, Aluminum, Brass, Plastic or Wood
- Ideal for R\&D Labs, Model Shops, Electronic and Home Workshops

SPECIFICATIONS: Complete 5 -in-1 machine shop small enough to use on a radio serviceman's bench. Designed as a multi-functional power tool. Converts from horizontal lathe to vertical drill press. The changeover causes no wear or loss of accuracy in precision fit parts. The motor-headstock detaches for use as portable hand drlii, power grinder or buffer. Extra attachments available include a very accurate circular saw, saber and Jg sow, flexible shaft, lathe bed power feed, threading attachment, precision collets and cutting twois. Belt drive provides 11 speeds ranging from 900 to 7,200 RPM. Motor can also be controlled by rheostat foot switch or SCR power supply.
Includes 1/10 HP Brush Type fan cooled motor, drill press arm, column and hand lever, face plate, lathe dog, grindstone arbor, tool post, 2 dead centers, $1 / 4^{\text {w }}$ Jacobs chuck and key. Allen wrench roughing tool blt, and a spindle return spring. $171 / 2 \times 104 / 2 \times 53 / 4$ wood chest. 40 -page manual. For 115 V AC/DC operation. Imported. Shpg. wt. $241 / 4$ bbs.
14 F 10141 कx

Net 149.50


## UNHMAT ATTACHMENTS AND ACCESSORIES

Model DB-1001 3 jaw universal lathe chuck with reversing jaws, key and bacl plate. Shpg. wt., 1 lb .

14 F 10133

Net 29.95

Model DE-1210 Milling Table: $5^{\prime \prime} \times 3^{\prime \prime}$ with clamps. ShDg. wt., $21 / 4$ Ibs. 14 F 10026

Net 14.95
Model DB-1010 Machine VIse: jaws open 11/". Mounts cross slide or mill table. Shpg. wt., $11 / 2 \mathrm{lbs}$.
14 F 10034
Net 11.50
Model DB-2820: Set of 6 Lathe Tool Bits.
14 F 10059
Net 12.95
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 F 10042 Shpg. wt., 1 lb Net 19.95 Model DB-1290 Power Feed Net 19.95 revolution. Shpg. wt., 5 lbs.

## 14 F 10067

Net 29.95
Model DB-1
a.................

Model DB-I080 Jig Saw Attach. Cuts to center of $16^{\circ}$ Net 29.95 blades incl. Shpg. wt., 5 lbs. 14 F 10117
circle. 12 Net 24.95

# Sabre-Lathe Multi-Purpose Shop Tool 



ONLY

Wood Turning Lathe Sabre Jig Saw Bench Grinder

Oisc or Drum Sander Bufling or Pollshing Horizontal Drill A home shop tool that will excite the linterest of every home craftsman! Powerful 3-speed motor provides plenty of drive for every operation... unit changes for any purpose in just seconds. Complete with wood turning chisel, sanding discs, sanding drum discs, 3 sabre saw blades, $45^{\circ}$ adjustable sanding table. Entire unit is mounted on wooden base for easy portablitity and stablility. 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. AC only. Output speeds 3,700 , 3,300 and $3,100 \mathrm{rpm}$. With Hllustrated instruction bookiet. Mounted on $32^{\prime \prime} \times 6^{\prime \prime}$ board. Shpg. wt., 171/4 lbs. 13 F 36502 W No Money Down

Net 31.95

## KNIFE AND TOOL SET

- Precision Knives

Model 84 knlife and tool set. Contains handles $\# 1\left(5 / 16 \times 5^{n}\right.$ alumInum) for light work; \$2 (7/16x 5 " alum.) for med. Work; \#5 ( $13 / 16 \times 43 / 4^{\prime \prime}$ plastic) for heavy work. Plus 4 assorted routers, 2 different punches, plane, $1^{\prime \prime}$ sander, spoke shave, balsa stripper,
 11 assorted blades and 4 as. sorted gouges. A complete wood carving workshop. In wood case with clear plastic cover. Shpg. wt., $21 / 2 \mathrm{lbs}$.
13 F 74230

## KNIFE CHEST

Model 82. Handy knife chest. Perfect for model building, photo retouching, shaping temo plates, cutting insulation, of cutting gaskets. Contains handies $\$ 1$ for light cutting, \#2 for medium work and $\# 5$ for heavy cutting plus 11 assorted blades Including trimming, double edged and fine cutting. Complete with wood case. Shpg. wt, $3 / 4 \mathrm{lb}$. 13 F 74164


Net 4.50

## X-acto

$5^{95}$

- Drills Wond, Metal, Plastics
- Grinds, Erills, Carves Polistes

CORDLESS POWER DRILL SET

Model 376. Powerful, versatile, efficient. Potish-deburr-carve-grinddrill, with new ease! Complete with center punch, grinder, drill bit and 3 precision collets. Drilis plastic, wood, light metal. In handy styro foam holder. Embossed case. Less batteries.
13 F 74248 Shpg. wt, $3 / 4$ lbs.
99 F 62572 "C" Batteries for above; 2 req.
Replacement blades that fit all X-ACTO tools. Avg. shpg. wt., $3 \mathbf{0 z}$.
No. 11 for fine angle cutting: deep cuts, narrow spots.
13 F 74073 \# 11 , pkg. of 5 $\qquad$ Net 59 No. 24 for close comer cuts: templates, mats, trimming.
13 F'74123 \#24, pkg. of 5 $\qquad$ Net .59


# Electric Tools for the Gardener and Hobbyist <br> <br> GRASS EDGER-TRIMMER 

 <br> <br> GRASS EDGER-TRIMMER}

Only $>95$

- Powerful 3 AMP 4500 RPM with Rugged Reduction Gears
- Easily Adjustable Trimming Height
- Die Cast Aluminum Housing

Lightweight Edger-Trimmer easily trims close up to trees, foundations, and fences. Turning handle converts unit into a powerful edger. Features $6^{\prime \prime}$ tempered spring steel blade diecast aluminum housing, side grip, finger tip push button switch on handle, fully adjustable trimming height, and olled-for-ilfe bronze bearings. Requires 115 volt $50 / 60 \mathrm{~Hz} 3 \mathrm{amp}$, AC motor, Shpg. wt., $101 / 2 \mathrm{lbs}$ UL IIsted.
13 F 36544W
Net 17.95
TURNS ON SIDE FOR USE AS EDGER


## BVI ELECTRIC PENCIL


-Writes On Metal -Wood-Plastic

## - No Heat-Vibrating Point Engraves Keys-Tools-Toys-Jewelry

Handy, useful... mark, Identify and engrave names, design decorator effects on luggage tags, toys, sporting goods, tools and hftchenware. Automatic with built-in mercury switch. You pick it up-it turns on. Put it down and it turns off. Easy as pencil. Marks won't erase, smear or rub off. Tough hardened steel point vibrates 7200 strokes a minute. Lightweight. $7 \times 3 \times 2$ ". 110 VAC. $50 / 60 \mathrm{~Hz}$ motor. Shpg. wt, $11 / 4$ lbs.
13 F 80542
Net 6.50

## DREMEL ELECTRIC ENGRAVER



- Writes Like A Pencil - Calibrated Stroke Adjustment
Model 290 heavy duty engraver provides a fast permanent method of marking all types of materials. High speed reciprocating motor 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. Identlfy dies and molds, shop and garden tools, production parts, sporting goods. camera equipment, Jewelry, etc. MInimize Inventory mixups, theft, and loss. Complete with solid carbide engraving point.
14 f 43142 Shpg. wt., $11 / 2$ lbs.
Net 11.95


BURGESS VIBRO-TOOL KIT

- Versatile Multi-purpose Tool - Files-Saws-Cleans-De-burrs-Engraves
- Complete With 6 Accessories Performs many operations on neariy any kind of material with its acces. sories. Features motor control switch plus diat setting for engrav ing depth. Heav-duty 2-speed motor delivers 3600 and 7200 strokes per minute. Rugged nylon. housing. Molded plastic case with accessory storage area. Completo with accessories: Carbide tipped engraving point, knife blade, saw blade, half round chisel $1 / 2$ inch tool, hammer and abrasive point Shpe wt. $21 / 2$ ibs.
13 F 80534
Net 16.95


DELUXE SHRUB AND HEDGE TRIMMER

## - Double Edge 16" Blade

- "Roll-Bar" For All Angle Use
The fast labor saving way to trim hedges, shrubs and bushes. Deluxe "Roll-Bar" handie allows maximum comfort and safety-adjusts for any angle cut. 2-cutting edges, each with 16 -teeth-cuts $15^{\prime \prime}$ swath In either direction. $16^{\prime \prime}$ blade cuts at 1850 strokes per minute. Die-cast aluminum housing with bright finlsh and enamel finish roll-bar. Fingertip On/Of switch. Hardened spring steel teeth are self-sharpening. 2.6 amp. 115 volt, $50 / 60 \mathrm{~Hz}$ AC motor, UL listed. Shpg. wt., $71 / 2 \mathrm{lbs}$. 13 F 36536 WX


## HEDGE TRIMMER ATTACHMENT

 - Lock Into Place With Ease
## 695



Converts any $1 / 4^{*}$ drill into an easily handled hedge trimmer. Cuts, trims and shapes hedges and shrubbery. Extra long 14" blade of hardened tool steel. Keen edges for fast shearing action. Steel drive gear-permanently lubricated. Long, comfortable handle. Locks in any of 10 different positions. Light weight-compact. Wt., $23 / 4 \mathrm{fbs}$, 13 F 50156 Net 6.95


Saws wood up to $3 / 4$ " thick, asphalt, rubber

1095 light mefals. Motor produces 7,200 strokes per minute, Cuts in any direction. For 115 VAC. 14 F 43027 Shpg. wt., 3 lbs. ._.... Net 10.95 Pkg. of 10 replacement blades for above. 14 F 43035 Shpg. wt., 302 . Net 69


## FLEXIBLE SHAFT ATTACHMENT

Operates off any fixed or portable power drill; enables you to drill at any angle any. where. Capacity up to $1 / 4^{\prime \prime}$ size drills; $36^{\prime \prime}$ overall length, with chuck. Operates on speeds up to 6000 rpm . Imported. Wt., $1 / 2 \mathrm{ib}$. 13 F 56112 Coupler to use with motor below. 32 F 64124

Net .22

## HOBBY MOTOR

For motorizing hobby tools, dental and fewelers 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, $x$ $21 / 4 " H \times 23 / 4$ "W. Two tapped $10-32$ mounting holes on $21 / "^{"}$ centers, $1 / 4^{\prime \prime}$ shaft, $3 / 4^{\prime \prime}$ long. Fan cooled, permanent ollite bearings, and external brush openings. 12" cord lead. For 117 V AC or $D C$.
19 F 24109 Shpg. wt., 2 ibs.
Net 6.95

5.PC. ROTARY FILE SET

For electric drilf, drill press, flexible shaft. Milled from solid tool steel. hardened and tempered. Cuts steel and other metals, wood, plastic, wallboard, etc. For hole enlarging, routing, shaping, finishlng. With $1 / 4^{\prime \prime}$ shank. Shpr. wt.. $1 / 2 \mathrm{lb}$. 13 F 50180

# Power Sanders－Grinder－Planer 


－Orbital or Straight Line
－Positive Slide Switch
－Ho＂Stroke Orbital or Straight
$19^{95}$
Heavy－duty electric sander with $3 / 16^{\circ}$ orbital or straight line stroke． Features 3.5 amp．universal serles wound motor，Heavy－duty ball bearing and self－lubricating sleeve bearings．Pad size；3\％，x $74 / \mathrm{m}^{\prime \prime}$ ； sand－paper size： $3 \%$ x $9^{-\prime}$ ．Assorted grit paper included．industrial mirror finish． 6 ft ． 3 －cond cord．For $115 \mathrm{~V}, 60 \mathrm{~Hz}$ ．AC－DC．UL listed： 13 F 71020 Shps．wt．， $51 / 2 \mathrm{lbs}$.


HEAVY DUTY 4＂BELT

## SANDER

－Powerful 7．5 Amp Motor

Model 12510：A powerful belt sander for every sanding job．Rugged gear drlve moves 1500 surface feet per minute．Unigue snap－lock on front roller for easy belt changing，vacuum cleaner hook－up pro－ vided for dust pick－up．Die cast aluminum housing locking trigger switch．Uses standard $4 \times 2174^{-\prime}$ belt．AC motor with life－time lubri－ cated bearings． 3 －cond．cord．For 115 У 60 Hz AC．UL listed． 13 F 36601 Shpg．wt， 13 los．
Sanding Belts for above Shpg．wt．， 4 or．
13 F 3651940 Grit．Coarse 13 F 3652760 Grit，Medium 13 F 3663580 Grit，Fine

## ARCO quik．sand

PORTABLE SANDER POLISHER
－Sands，Grinds，Polishes， Sharpens：Metal， Steel，Wood，Plastics
－Portable
－For Any 1／4．1／3 H．P． Motor；With $1 / 2$ Shaft Safe，Versa－ tile．Sharpens everything－ from razors to plow－shates．年 harmiessly to bench if it snaps．19＂high． With $1^{\prime \prime} \times 42^{\prime \prime}$ abrasive belt， 50 grit．Shpg． wh． 12 tbs．
12F 18502 Less Motor ．．．．．．．．．．．．．．．．． 19.95
Sanding Belts For Above


12 F 18528120 Grit，Medum＿－．．．．Net .79 12 F 18536220 Grif，Fine

哃唟
two．way ELECTRIC SANDER

Net 31.55

RAM＂INDUSTRIAL＂ 6＂BENCH GRINDER


## ELECTRIC <br> PLANER

Model 940：Combines two handy tools－a sander operating at 3400 RPM and an efficient pol－ isher at 1800 RPM．As a sander， you gef the right combination of high speed and oversize sandink discs．Was perfect balance．．．auxillary grip handie for right or left hand use．Tool rest．Extra large wool pollshing bonnet permits working around and over edges．UL and CSA Listed．For 117 VAC． 13 F sities No Money Down＊Shpg．wt．， 10 ibs． Net 17.50


Black s Dacker．

This light，compact sander offers over 25 square inches of oribtal sanding action for quick efficient sanding of woods，metals and plastics．Flush sands on 3 sides．Mas thumbtip slide switch．Alumb－ num finish． 4000 orbits／minute with $33^{\circ "} \times 9^{\circ}$ paper． $1 / 6 \mathrm{HP}$ motor，at 2.2 amps， 115 volts AC．U．L．Listed． 12 F 88697 Shpg－wt．， $61 / 2 \mathrm{lbs}$ ．

Net＇14．99

## WEN <br> 2－SPEED SANDER POLISHER

－Powerful $1 / 2$ H．P．Motor
－Burnout－Proof Armature
－Sands Metal and Plastics
$37^{50}$
 －6＂Grinding Wheel－6＂Wire Brush Mosel R－600．Precision benct grinder for tast，accurate grinding and sharpening．Use－ ful in any workshop．Powerful 6.4 amp．motor for tough jobs．Reaches full， 3300 RPM in seconds．Sealed，heavy duty bronze bearings． With adjustable tool rests for varying grind－ ing angle and plexiglass eye shields for safety．Has $11^{\prime \prime}$ clearance between wheel eenters for long work，3－cond power cord For $115 \mathrm{VAC}, 60 \mathrm{~Hz}$ ．Shpg．wt．， $221 / 2 \mathrm{lbs}$ ． 13 F 71327 WX No Money Downt－Net 32.95

Does a professional job of planingl Easily adjustable planing depths of $y_{n}{ }^{\prime \prime}$ and $y_{10 \prime}^{\prime \prime}$ ． 2 hardene steel，adjustable cutting blades may be removed for sharpening，adjustable fence and angle guide may be removed for planing flash into corner．Burn－out protec． lion．Motor develops $\%$ hp．（industrial rat－ ing）．Spincle speed $14,000 \mathrm{rpm}$ with double race ball bearings．Die－cast aluminum hous－ ing．With 3 －cond．cord．For $115 \mathrm{~V} 50 / 60 \mathrm{~Hz} \mathrm{AC}$ ． 13 F 36585 Shpg．wt．，71／4 lbs．．．．Net 24.95


## HEAVY-DUTY 10" POWER CHAIN SAW

 $59^{95} \underset{\substack{\text { Mo } \\ \text { Money }}}{ }$- 2 HP- 10 Amps.
- With Oregon "Omark" Chain and Bar
A powerful top quality chain saw designed for protessional or industrial use. This rugged, mult-purpose tool will also do dorens of jobs for the home craftsman, carpenter, contractor, or on the farm. Positive chain adjustment eliminates slack. Chain travels at 2650 feet $\mathrm{p} /$ minute for tast, true cuts up to 10 inches deep. Cool running quiet helical cut gears in a sealed grease chamber. Self lubricating Dearings. Beautifully balanced welghs only 12 tos. 10 Amp, 2 HP motor. UL and CSA listed. Wt., 15 tos.


## 14 f 48042 W

Net 59.95

## SKIL

 7114" BUILDERS' SAW- 11/2 HP Burnout Protected Motor
- 5200 RPM No Load Speed 10 Amp Motor
- UL Listed

Model 574 Tackle the "big" jobs, with this dependable $71 / 4$ " bullders" saw. Reinforced die-cast housing that really stands up. Cuts $2 \times 4^{\prime}$ s with ease, at $45^{\circ}$ angle. Easy set bevel and depth adjustments. Safe non-binding blade guard with vari-torque safety clutch. Sawdust ejector keeps your work clean, lets you see what you are doing. $71 / 4^{\prime \prime}$ combination blade and blade wrench. Powerful $11 / 2^{\prime \prime} \mathrm{HP}$ molor is designed to be trouble free. Cutting depth: $90^{\circ} 23^{\prime \prime}, 45^{\circ} 17 / 3^{\prime \prime}, 10$ amps. UL listed. 115 volts AC, 3 wire cord and plug. Shpg. wt., $111 / 2$ lbs. See rip fence below.
13 F 69263
13 F 89123 Rip Fence
Carrying Case for Above Saw
13 F 69370 Shpg. wt., 4 lbs.
Net 9.95

## $71 / 4$ " POWER SAW WITH $11 / 2$ HP MOTOR

$22^{95}$
With Rip Fence

- 10 Amp. 5,000 RPM Universal Motor
- UL and CSA Listed

Dependable power saw provides reserve power to cut thru $2 \times 4$ 's with ease. Powerful 10 amp ., 5000 RPM motor. Cuts up to $2 \%_{0}^{\prime \prime}$ vertically and $21 / 8^{\prime \prime}$ at $45^{\circ}$. Balanced for one hand operation. Features heavyduty bronze bearing 5 , removable rip guide, floating blade guard, and easily set depth and angle adjustments. With combination blade included. For 115 VAC, 60 Hz .3 -cond, power cord. UL Iisted. Shpg. wt., 13 lbs.
13 F 71285
Net 22.95
Saw Table 225 sq . In. top Allows cutting at any angle between $45^{\circ}$ and $90^{\circ}$. Complete with miter gauge and rip fence. Shpg. wt., 12 lbs. 13 F 71046

Net 11.50

## Black \& Decker RADIAL ARM SAW

- Performs All Woodworking Saw Cuts
- Cuts Full 27/9" Depth
- Powerful 2 HP Ball Bearing Motor

Model 7700 . Precision built for superb cutting accuracy ... makes rip cuts, crosscuts, bevel and miter cuts. Roller head rides on ball bearings for accurate cutting every time. Anti-kickback lever holds board to prevent chatter. Large ( 22 " $\times 32$ ") waro resistant work table allows out-ripping with blade located over table. Up-front bevel adjustment with easy-to-read scale and automatic $45^{\circ}$ setting plus up-front elevation control permits fast, simple set-ups. Automatic positive locking position for $0^{\circ}$ and $45^{\circ}$ bevel; $0^{\circ}$ and $45^{\circ}$ miter and $90^{\circ}$ ripping position. Maximum depth of cut $2 \% \mathrm{~m}^{\prime \prime}$; maximum depth of cut at $45^{\circ} 17 /{ }^{\prime \prime}$; features miter and bevel scales, rocker type, up-front on/olf switch with key lock for added safety. Constructed of extra-strong one plece tubular steel column mounted directly to base for rigidity. $120 \mathrm{VAC} ; 2 \mathrm{HP}$ max.; $5200 \mathrm{RPM} \mathrm{RH}_{i} 10$
amps.i $8^{\prime \prime}$ blade.
12 F 68671 wx Shpg. wt., 68 lbs.
Net 99.95
Model R-110V Metal leg stand for above. Shpg. wt., 22 tbs. 12 F 68689 WX

Net 22.95
Model R-6024, $6^{6 \prime}$ DADO HEAD SET. FLAT GROUND. $(2$ Blades, 4 Chippers $1 / 0^{\prime \prime} 1$ Chipper $K_{6}^{\prime \prime}$ ) $\% 0^{\prime \prime}$ Bore.
12 F 68705 Shpg. wt., 3 tbs.
Net 22.99
RAM
G—a
1/4 H.P. ROUTER
$31^{95}$

\author{

- With Cutting Guide
}

Model R60: For hobbyists, home repairmen. Easy-to-make smooth cuts with or against the grain for fine inlaying, cabinetry, cornicing. Does beading. grooving, routing. fluting, cove-cutting, dove faliting. Features threading base wilh posi-
tive lever-locking depth of cut adjustment: veneer cutting guide and wrench included. $1^{\prime \prime \prime}$ chuck uses standard router blts. Height $8^{\prime \prime}$. For $115 \mathrm{~V}, 60 \mathrm{Mz}$ AC. 20,000 RPM cutting speed. UL IIsted. Shpg. Wt., 6 ibs.
13 F 71087

Net 31.95
4-PC. Router Bit Set. Includes $\mathbb{y}^{\prime \prime} \& 1 / 2$ " straight bits, $1 / /^{\prime \prime}$ core bit, and 3 " 71137 " groove blíl shpg. wt., 4 los.
-Sce Puge 11 for Full Crealit Details on Easy Pa PI


- Heavy-Duty 3 Amp-1/4 HP Motor - With Rip Guide

MODEL F-t: A rugged, multi-purpose sabre saw. Can be used as a rip, crosscut, jug saw, hack saw, band, coping, keyhole and scroll saw. Easily cuts $2 \times 4$ 's, plywood plastic, composition board, aluminum and a host of other materials. Powerful 3 amp . $1 / 4$ H.P. motor with a built-in cooling system, produces 3500 "K" long strokes per minute, Adjustable base, rip guide and mitre gauge. gevel cuts from $0^{\circ}$ to $45^{\circ}$. "On/ Ott" slide-switch. With 3 -assorted blades. For $115 \mathrm{~V}_{\mathrm{c}}, 60 \mathrm{~Hz}$ AC/DC. Ut listed.
13 F 71150 shpg. wt., 4 libs. ...... Net 12.95 Wood Cutting Blades, Phg. of 6. 13 F 7117t Shpg. wi., 4 ors. Het 1.69 Metal Cutting Blades, Pir. of 3 13 F 71185 shpg. wt., 4 ors. Net 1.25


- Heavy-Duty $1 / 2$ HP Motor

Model 5090 . "Souped-up" heavy duty-fast cutting-1/ HP saw for every kind of sawing. Cuts metals up to $1 / 2^{\prime \prime}$. Cuts pipe and thinwall up to $2^{\prime \prime}$. Cuts curves, circles, and straight lines. Cuts $2 \times 4$ 's, $4 \times 4$ 's and $6 \times 6$ 's, Makes its own starting holes. Motor fan blows air stream over work to heep the guide free of sawdust. Complete with 7 blades designed for all sorts of regutar and special cutting. Powerful 6 amp 110 VAC motor, $34001^{\prime \prime}$ SPM. UL listed.
13 F 65014 Shpg. wt, 974 lbs. ..... Net 37.50 SAW TABLE FOR WEN "g0g" \& "9090". Heavy duty table for straight, circle, curve, bevel, and angle cuts. Size: $18 \times 18 \times 8 y 2^{\prime \prime}$. 13 F $6505 s$ Shpg. When $161 / 4 \mathrm{ibs}$.... Net 11.95 EXTRA BLADES FOR WEN Models "gog"-"909D"-" 521 ". Pkg. of 3. Shpg. wi. 8 oz. (91 $71 / 2^{\prime \prime}$ - Very fast rough cuts.
13 F 85063
Net 1.69
$19234 / 2^{\prime \prime}$-Fast rough cuts.
13 F 65071
Net 1.35
$193,234^{-}$Medium cuts.

## 13 F 65089

194 21/2"-Fine scroll cuts.
13 F 85097
Net 1.15
Net 1.15
56 37a"-High-speed steel.
13 F 55113
Net 1.69
497 $3 \%$ "-High-speed, extra fline.
13 F 65121
Net 1.69 \$900. One each of above blades plus knife blade pkg. of 7.
blade Pkg.
13 F 85139

## HEAVY-DUTY VARIABLE SPEED SABRE-JIG SAW

## POWERED BY GENERAL ELECTRIC MOTOR

- "Dial Control" Any Speed From 0-4800 S.P.M.
- Cuts Thru $6 \times 6$ Lumber

Bectronic dial variabie 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 materlal. Wakes its own starting hole. Low speed for steel and plastics, medium for non-ferrous metals, high for rip or cross-cut. Bevel cuts to $45^{\circ}$. Features a 5 amp . $1 / 3 \mathrm{HP}$ General Electric motor. With 6' 3-cond. cord, 5 assorted blades and rip gauge. For 115 VAC. 25-60 H2, UL listed. Shpg. wt., $63 / 4$ lbs.
14 F 48059
Net 29.95


## WEN heavy - duty variable speed jig saw

- Powerful 1/2 H.P. 4Amp. Motor
- Exactly The Right Speed Under Your Thumb
- Rips Through 6" Logs
model 521 -Take on a variety of cutting joos more efficiently. Pressure sensitive, thumb perated speed control automatically varies ierque and speed as you cut . . . no wasting of time pre-setting speeds. Low speed for metal; high speed for wood; intermediate speeds for plastic, masonite, plaste; board, rubler, etc. $1 / 2$ H.P. motor drives blade from to $28001^{\prime \prime}$ strokes per minute. Also has calibrated $8^{\prime \prime}$ adjustable rip Euide. Includes 7 blades for every cutting job; 3 -wire $6^{\circ}$ cord with adapter. 115 VAC. UL/CSA listed. Shpg. wt.. 6 los.
13F65386 See Blades Below.....Net 27.95
DELUXE VARIABLE
MOTOR SPEED CONTROL

DELUXE VARIABLE MOTOR SPEED CONTROL



Perfect for all workshoo power lools and home appliances. Use with drills to start holes, saws to extend blade life. polishing at low speeds efc. 3-position switch. Variable. OFF and Full permits maximum speed contral, with Universal ( $\mathrm{AC}-\mathrm{OC}$ ) or DC motors rated to 8 amps . Has automatic breaker surge protection. Input 120 V AC only, 3 wire line cord. Black aluminum case, $4=\frac{5}{6} \times 21 / 2 W \times 11 / 0^{\prime D}$. 13 F 27014 Shpg. wt., $1 / 1 / 4$ lbs. Net t1.95

## "JIFFY" VARIABLE MOTOR SPEED CONTROL



Dependable motor speed control ideal for workshop power tools using universal ACDC and series DC motors. Assures constant speed variation from zero rpm to maximum speed. Has built-in circuil breaker. 5 amos load ratiar. Input: 120 volts $50-60 \mathrm{~Hz} \mathrm{AC}$. 3 -wire receptacle and line cord. $3 \times 21 / 2 x$ 1107 D . Shpr. wi., 1 ib . 13 F 27006

Net 9.95

## VARIABLE MOTOR SPEED CONTROL

- Up To 10 Amps
- Can Be Used As Lamp Dimmer

Controls speeds of all workbench power tools and home appliances 0 rpm to full rpm. Permits wariety of uses for power tools and appliances. Builtin circuit breaker. Portable, seful anywhere In the house, Works on AC-DC motors, DC motors or with AC only motors except capacitor start or split phase types 10 amps , Input-for 120 VAC. with 3-wire receptacle and line cord.
13 F 53515 Shpg. wt.. 1 ib .
Net 13.95


- Auxiliary Left or Right Handle
- Double Reduction of Gears

A rugged, powerful z/a" drill for tough drilling jobs around the house and shop. Features double reduction gears for maximum torque. No load speed 1000 rpm . Capacity $\mathrm{H}^{\prime \prime \prime}$ in steel, $1^{\prime \prime}$ in wood. Ball thrust bearing takes the full drilling load. Weided commutator leads prevent motor burnout. Geared key chuck, 3-conductor power cord. Bright finish. For 120 VAC. $50-60 \mathrm{~Hz}$. 13 F 36551 Shpg. wt., $41 / 2 \mathrm{lbs}$.


Model F. 11 popular drill or allaround home and hobby use. 1/4" geared chuck drill rated at full 2.5 amps. UL listed. $1 / /^{* \prime}$ capacity in steel, $1 / 2^{\prime \prime}$ In hardwood. 1200 RPM speed under full load; 2000 RPM no-load speed. Precision anti-friction bearings. Automatlc trigger switch. Specially designed gear train for maximum torque transfer. For 115 volts. AC/DC. Shpg. wt., $31 / 2$ lbs.
13 F 71012 13 F 71012


HEAVY-DUTY $3 / 8^{\prime \prime}$ DRILL

- $1 / 6$ HP 1000 RPM
- Uses Double Reduction Gear System

Modei U-124 Heavy duty capacity $7 /$ " $^{\prime \prime}$ drill incorporates a double reduction gear that permits a wide range of drilling needs. Perfect for grinding, buffing. mixing and all types of heavy and light drilling chores. Heavy duty UL listed 2.5 amp motor and precision gears combine to give maximum torque at all drilling speeds. "Cycolac" handle provides positive grip at all times. Jacobs geared chuck and key for quick change of bits. Handy trigger switch, with locking button, permits use in awkward places. 3 wire cord plug. Uses 115 V AC. Shpg. wt., 4 lbs.
12 F 88507

Net 15.99


Black s Decker.
DELUXE $1 / 4^{\prime \prime}$ DRILL

- 2250 R.P.M. Motor
- Jacobs Geared Chuck \& Key

Model U-100 Just the thing for the hobbyist, home workshop of general use In the home. Ideat tor use on wood, metal, masonry. be used with aflachments to matine clrcular even mixes paint. Can ing used with aflachments to make circular saw, jig saw or finishIIfe. Rugged 2250 rpm motor provides adequate power for most any job, big or smalt. Sure grip handle elliminates wrist strain. 3 wire cord and plug for sate use anywhere. UL listed, operates on 115 V AC. Shpg. wt., 4 lbs.
12 F 68515
Net 12.99
 a rugged heavy duty $1 / 2$ " drill where greater
power is required. Simple, easy to use power is required. Simple, easy to use tion and speed changes for precise and accurate drilling of any type of material. Reversing on all 4 -speeds permits you to back out from extremely dense materials. Welded armature. Double reduction gears deliver hi-torque lor heavy jobs. Trigger switch locks in place for extended operation. Precision Jacobs geared chuck and key. UL and CSA listed. Size: $11 \times 81 / 2 \times 31 / 2^{\prime \prime}$. Shpg, wt., 10 lbs . 13 F 65337 Net 37.95 - Sice Page I/ for Fiull Credit Detrills on Viensy Pay Plan



Model 598 deluxe heavy duty $1 / 2^{\prime \prime}$ drill that can tackle most any drilling job with precision and accuracy. Squeeze the trigger for any drilting speed from 0 to 500 RPM plus reverse speed. Double reduction gears for extra torque: high torque hellical gears and geared key chuck. Locking trigger switch, Powerful, 3 amp, super burnout protected motor. Capacity $1 / 2^{\circ}$ in steel, $11^{\prime \prime}$ in wood. Removable protected motor. Capacity $1 / 2$ in steel, $14 / 4$ in wood. Removable handle. Lightweight aluminum housing. 3-wlre cord and plug. For

115 VAC 60 Hz . Shpg. wt., 5 lbs . UL listed.
13 F 69339

## 6.PC. SCREWDRIVER BIT SET

- Fits All Electric Screwdriver And Variable Speed Drills Versatlle set provides a variety of bits and finders to speed-up assembly and service work. For slotted and Phillips head screws, Kit includes 3 -slotted bits and finders for screw slies $6-8,8 \cdot 10, \& 10 \cdot 12$; 3-Philllps bits No.'s $1,2,83$. All have $1 / 4$ " Hex shank. Shpg. wt., 5 ozs. 14 F 79047

7 PIECE SOCKET SET 169

- Fits All Electric Screwdriver Drills

Drills $1 / 4^{\prime \prime}$ hex shank fits all power screw. drivers and drills. Fits directly into chuck for driving and removing bolts and nuts. Set contains socket adapter and 6 sockets -

14 F 79054 Shpg. wt. 5 ozs. $\qquad$ Net 1.69

Net 44.88

##  <br> 

- Adjustable Depth Stop
- Adjustable Cradle
- Spring Return Tension
- Adjustable Depth Gauge Dial

Drill stand can be used with any $1 / 4^{* *}$ or $3 / 8^{\prime \prime}$ drill or $1 / 2^{\prime \prime}$ compact. Converts hand drill to powerful lever operated dilli press. Rack and pinion gear feed and spring return mechanism plus depth adjustment, Base drllled for bench or truck mounting. 21a* stroke, 5 to 1 leverage. Shpg. wt. 8 lbs. 13 F 71350 Net 11.95

# Popular Power Drill Accessories 



## "ARCO-SAW" ATTACHMENT

with "DADO-ARBOR"
To Cut Any Groove
Attaches to any $1 / 4$ and $3 / 6^{\prime \prime}$ drill in seconds! "Dado-Arbor" swiv. els sawblade to cut grooves up to $1 / 2 \mathrm{Wxl}$ "D. in one cut; "DadoArbor" is easily removed for straight or angle cuts . . . cuts $2 \times 4$ 's in one cut with $5^{\prime \prime}$ blade. Graduated depth and bevel gages allow cuts up to $13 / 4 / 0^{\prime} 0_{\text {; bevels }}$ to $45^{\circ}$. Has adjustable rip gage and visual gulde, self-lubricating ifetime bearings, strong safety14 F 14275 Shpg. wt., 1 lb. 14 F $142835^{\circ}$ Hycarbon Combination Blade

Net 9.95
Net 1.59
"IIG SAW" ATTACHMENT


Fits all electric drills as easily as a standard bit! Ideal for cutting plumbing. and holes for switchboxes . . . works without boring a starting hole. Does work of jig, keyhole, coping, rip, band and hacksaw. Cuts straight Itnes, intricate patterns and circles in wood, plastics, and metals; cuts $2 \times 4$ 's. Alr blower keeps cutting line free of sawdust. Complete with blade, instructions. Shpg. wt. $11 / 4$ lbs
14 F 14259
Net 4.50
Pkg. of 6 blades (2-coarse, 2 -medium, 2 -fine). Shpg. wt., 4 oz. 14 F 14267

Net 1.59


## PLANER ATTACHMENT

A professional tool with hardened and ground carbon alloy steel cutter Perfect balance and comfortable handle for easy use. Instant, positive depth adjustment and $13 / /^{\prime \prime}$ wide cut. Diagonal shearing action planes easily with or across grain. For $1 / 4^{\prime \prime}$ or $3 / 8^{\prime \prime}$ drill. Shpg. Wt., 2 lbs.

- Fits Any Electric Drill



## SANDER ATTACHMENT

Sand in minutes! For use with alf $1 / 4^{\prime \prime}$ or $3 / 8^{\prime \prime}$ drills. Orbital action, ball bearing construction. Complete with three standard size no-load, jewel-hard abraslve sandpaper sheets in coarse, medium and fine grit. Top handle for easy handling. 14 F 62522 Wt., $31 / 4$ lbs. Nel 4.95


## DOUBLE POWER GRINDER

Equipped with double tool rests - will accommodate $4^{\prime \prime}$ or $5^{\prime \prime}$ grindstone. Nylon bearings require little or no lubrication, and have outstanding abrasion resistant characteristics. Furnished complete with one coarse, one fine grinding wheel. Shpg. wt., 14 F 76043

## ................................ 6.35

## all purpose cuting and SANDING DISC

- Will Cut or Shape Anything Including Steel
Cuts through the thickest materials -steel, brick, plastics. Super-hard sllicon carblde particles embedded in tough resilient fabrle from a shatter-proof, safe-to-use disc. No teeth to catch work and bind or kickback. Also removes paint, rust, shapes stone, metal, wood and plastic. Can be used on hand drill for close quarters. Complete with instructlons, 7" Whizz Dise, $5^{\prime \prime}$ backing pad, $1 / 4^{\prime \prime}$ arbor and flange washers. Shpg. wt., $3 / 4 \mathrm{lb}$.
14 F 14358
Net 2.50
WHIzz-DISC for Portable a Bench Saws, 7 " dia. Shpg. wt., 4 oz
14 F $143665 / 5^{\prime \prime}$ bore
14 F 14374 $1 / 2^{\prime \prime}$ bore
Net 1.79

14 Pc. HIGH SPEED DRILL SET with CENTER PUNCH



50

- 13 Sizes
$1 / 6_{6}{ }^{\prime \prime}-1 / 2^{\prime \prime}$ Plus Center Punch
- Hang on Pegboard

Mount on wall or Stand on Workbench

Top quality high speed drill set contains sizes $1 / 60$. \$/a, 3/s, $3 / 0,1 / 6$, Khe $\%_{3}$, Kb, $1 / 2$ and $1 / 4^{\prime \prime}$. Ko. 3/8 and $1 / 2^{\prime \prime}$ with $1 / 4^{\prime \prime}$ shanks. Also contains center punch for accurate placement of drilt. Convenient, high impact plastic case stands on workbench or mounts easily on wall or peg. board. Has built-In shelf for holding pencils or additional drlit bits, chuck keys, etc. Shpg. wi.. $11 / 4$ lbs.
13 F 18112
Net 11.50


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 high speed drills and center punch placed in unbreakable flexible plastic case which opens and closes like a book! Drill sizes: $1 / s^{-1 / 4}$ ". Handy center punch assures exact position of drilt bit.
13 F 18500 Shpg. wt., 10 oz
Net 5.95


Simple and safe to use, makes perfect circles in wood in seconds. Use with any electric drill to cut speaker holes, vents, pipes, ceiling lights, efc. 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 Jb.
12 F 41009
Net 5.95
HEAVY-DUTY INOUSTRIAL COMPASS CUTTER. As above except cuts up to 18 inch circular holes in fiberglas, $\boldsymbol{z}^{\prime \prime}$ wood plank, sheet metal, $1 / 4^{\prime \prime}$ aluminum and laminated plastics. Special router bit has drill point allowing you to bore center and radius hole. Shpg. wt. $3 / 4 \mathrm{lb}$.
12 F 41017
Net 8.50


## TWIST DRILL SHARPENER

- Sharpens Drills from $\mathrm{K}_{4}{ }^{\prime \prime}$ to $1 / 2^{\prime \prime}$

Fits any $1 / 4^{\prime \prime}$ or larger electric drili. $3^{\circ}$ aluminum oxide grinding wheel. Sharpens any bit up to $1 / 2^{\prime \prime}$ dia, Also has adjustable tool rest for sharpening chisels, knives, scissors. etc.
4 F 14093 Shpg, wt, $3 /$
Net 1.99

# Selected Accessories For Power Drills 

## SCREWDRIVER RESTORER

 Sets, Chisels, Punches At last! An attachment to grind Philtips of regular (Yankee) screw drivers to their original shape. Chuck in any drill. Will grind all Phillips drivers up to $7 / 16^{\prime \prime}$ and all Yancee type drivers up to $1 / 2^{\prime \prime}$ as easily as sharpening a pencll. Use for chisels, punches too, Shpr. wt., $3 / 4 \mathrm{lb}$.
13 F 25513
Net 6.50

## adjustable bevel cutter



Fits any electric drill. Makes fast, clean $45^{\circ}$ corner bevels. Adjusts from $1 / 32^{\prime \prime}$ to $5 / 16^{-}$wide. Cuts wood, plastics and soft metal. Made of hardened, tempered manganese alloy tool steel. Shpr. wt.. 4 oz. 14 F 14168

Net 1.79 14 F 14168

3 PC. CORNER FINISHING


## CUTTER SET



Use with any electric drill, drill press, etc. Consists of lancy cove-cutter, Roman ogeecutter and rabbet-cutter for cutting $3 / 16^{\prime \prime}$ contours. Dual guides assure accurate cuts in wood. plastic, soft metals. Made of futly hardened and tempered steel. Shpg. wt., $1 / 2 \mathrm{lb}$.
14 F 14333
Net 2.99

## ADJUSTABLE

## 82․ COUNTERSINK

Adjusts to exact depth with automatic stop...single flute, chatter-free design assures round, clean cuts. Tempered and hardened manganese tool steel construction. Countersinks in steel, wood, plastic. $1 / 4^{\prime \prime}$ shank. Shog. wt., 402.
14 F 14143 $\qquad$ Net 1.49
$1 / 4^{\prime \prime} \& 3 / 8^{\prime \prime}$ JACOBS TYPE DRILL CHUCKS As Low as 239

## Made in U.S.A.

- Key Included


Comparable to Jacobs 18 Key type geared tooth chuck. Capacity $0-1 / 4^{\prime \prime}$. thread $3 / 8 \times$ $24^{\circ}$. Rusgedy constructed. Polished finish. Used as standard equipment on most electric drills. Made to rigid specifications. Wt. 1 lb. For $1 / 4^{\prime \prime}$ Dritls-Capacity $0-1 / 4^{\prime \prime}$. Thread $3 / 8-24$. Shpr. wt. 8 oz.
14 F 15504
Net 3.39
For $3 / 8^{2}$ Drills Capacity $1 / 16=3 / 8^{*}$. Thread 3/8-24. Shpe. wt.. Y/4 lb.
14 F 15512 ..................................... 49 For $1 / 2^{\prime \prime}$ orills, Capacity $5 / 64^{\prime \prime} \cdot 4 / 2^{\prime \prime}$. Thread $1 / 2 \cdot 20$ Shps. wt., 1 lb .
14 F 15538
Net 6.29
$1 / 2^{\circ \prime}$ CNUCK For $1 / 4^{\prime \prime}$ or $\% 4^{\circ \prime}$ DRILL. Fits most standard $1 / a^{\prime \prime}$ \& $3 /{ }^{\circ}$ " Drills. Capacity $5 / 64-1 / 2^{\prime \prime}$. Thread size $-3 / 24$ Shps. wt., 1 to.
14 F 15546

## ARCO SCREW \& NUT DRIVER DRILL ATTACHMENT



For rapid fastening of both screws (slotted and Phillips) and nuts (hex and square head). Has non-slip industrial type clutch for fast easy driving. Bit holder prevents screw head slippage. Includes flat bits and bit holders for \#6.14 slotted screws, \#2 Phillips head bit, 6 hex sochet screws, ${ }^{4} 2$ Philips head $3 / 8^{\prime \prime}, \%^{4}, 1 / 2^{\prime \prime}$ ), and socket wreneh holdei with ball lock. Shag. wi.. $3 / 4 \mathrm{lb}$. 14 F 14218

Net 4.95

## 7-BLADE DEEP HOLE SAW

## $1^{39}$

- Cuts holes in $2 \times 4$ 's


Fits any electric drill or drill press. Cylindrical saw blades cut holes from $1^{\prime \prime}$ to $21 / 2^{\prime \prime}$ in diameter in any stock up to $2^{\prime}$. Hole sizes are $1^{\prime \prime} 11 /^{\prime \prime}, 142^{\prime \prime}, 13 / 4^{\prime \prime}, 2^{\prime \prime}, 21 / \mathrm{h}^{\prime \prime}, 212^{\prime \prime}$. Cut wod, plastlc, metal. sheetrock, wallboard. masonite, formica. etc. Has guide bit and automatic slug ejector, imported.
13 F 55262 Shop. wt., 1 lo...........Net 2.39

## 3-PC. ROTARY RASP SET

$3^{29}$


- Shape, Cut, Form, Mill
3-rotary rasp drums: $3 / 4^{-2}$ dia, $11 / 4^{*}$ dia., $176^{-}$dia.; length of each drum $11 / 2^{*}$. Ideal for beveing, planing, paint remeving, sandIng. Cuts wood, plastic, etc. Made of hardened and tempered steel.
14 F 1429 shpg. wt., $1 / 2 \mathrm{lb}$
Net 3.29


## 1/2" CHUCK FOR 1/4" DRILLS

## 119



- Add $1 / 2^{-}$Capacity to $1 / 4^{\infty}$ Drill

Converts $1 / 4^{* *}$ electric drill to $1 / 2^{\prime \prime}$ capacity. properly machined to insure correct balance. May also be used on standard $1 / 2 \times 24$ motor arbor or shaft. Imported. Shpg. wt. $3 / 4$ ib. 13 F 55270 Net 1.19

## RIGHT ANGLE DRIVE




- Runs Drill At


## $1 / 2$ or Double Speed

close coupled-right angle attachment for worhing in contined spaces. 2 to 1 gear ratio permits halving or doubling drill speed. High speed for dritting and sanding-slow speed for polishing-large hole drillingmasenry drilling. etc. Fits $1 / /^{\prime \prime}$ chuck or may be screwed directiy to drill spindle. Includes $3 \mathrm{~b}-24$ male and female adaptersand $1 / a^{\prime \prime}$ plain shaft adapter.
14 F 36039 Shpg. wt., $14 / 4 \mathrm{lbs}$. Net 3.95

## REVERSE-A-DRIVE <br> SPEED REDUCER SCREWDRIVER



## As Low As 395

- Includes 2 Bits and $1 / 4^{*}$


## Socket Adapter

Reversible speed reducer can be fitted to any electric dnill or drill press quickly and easily. Forward speed reduction of 11 to 1. and reverse of 4 to 1 develops high torque. Ideal for nut running. and heavy duty screw. driving. Easy stop-start action with hand clutch control. Accessories include $1 / \mathrm{s}^{\prime \prime}$ slotted bit with finder- \#2 Phillips bit and $1 / \mathbf{a}^{\prime \prime}$ socket adapter. Shpr. Wi.. $3 / 4 \mathrm{~W}$. 14 F 75021

Net 5.25
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 14 " socket adapter. Shpr. Wt. 3/4 ib.
14.F79039

Net 3.95
TOOL STEEL TAPERED REAMER $99^{\circ}$

Entarges holes, to $1 / 2^{\prime \prime}$. Tapers down to $1 / 8^{\circ}$ point. Machined edges. Overall length $43 / 4$ ". Length of "T" handie 4 ". imported. Shpg. wt., $1 / 2 \mathrm{lb}$
14 F 51025
Net .99
drill saw bit
$49^{c}$
An extremely versatile tool. Cuts circles, ovals, squares, into wood, plastic, bakellite. Will withstand years of rough, continuous use. Imported.
14 F 61102 Shpg. wt., 402.
Net 49

## ARCO ORILL STAND

- Fits All $1 / 4^{\prime \prime}$ or 3/8" Electric Drills

Attaches to workbench. is ideal for bulfing, sanding, grinding. Fits all electric drills. 302.
14 F 14200
Net 1.59

## LAWN MOWER SHARPENER

- Sharpens All Rotary Mowers
Quickly and easily sharpens any flat blade-rotaries, hoes, scythes, efc. $1 / 4^{\text {m }}$ shank fits any electric Arill. Reversible grinding wheel. Wt., $1 / 2 \mathrm{lb}$. 14F 14226 Net 1.19


## KNIFE \& SCISSOR

 SHARPENERConverts any electric drill or bench motor
 grinding machine. Consists of rugred. specially designed grindstone with $1 / a^{\circ}$ shank arbor attached Shpg. wt., is ib 14 F 14234

Net 1.19

## A-M Akro-Mils Parts Cabinets



(B)

(C)

(D)

Complete labeling kit included with each cabinet . . . all models set-up with weldel steel frame, ready to use ALL "MOOULAR," CABINETS CAN BE STACKED-ADOEO TO-CHANGEO-ARRANGED-REARRANGED

## CHARCOAL GRAY HAMMERTONE FINISH <br> (A) MODEL 17-136, 36 compact drawers:

Drawer size: $13 / 10 H \times 23 / 4 W \times 57 / 9^{\prime 2}$.
Cabinet size: $177 / 6 \mathrm{~W} \times 60 \times 11 \mathrm{~W} / \mathrm{B}$ "H. Cabinet, "See-Thru" drawers, dividers, and index labels, Shpg. wt., $121 / 2 \mathrm{lbs}$. 13 F 76102 W

Net 14.99
(B) MODEL 17-024, 24 deep compact drawers.

Drawer size: $\mathbf{2 H \times 2 3} / 4 \mathrm{Wx5} 3 / 4 \mathrm{~L}$
Cabinet size: $17 \% / \mathrm{Wx60} \mathrm{\times 10} / 4$ "H. Cabinet, "See.Thru" drawers. dividers, and index labels. Shpr. wt., 11 lbs. 13 F 76110 W

## (C) MODEL $17 \cdot 320,20$ long drawers.

orawer size: $2 \mathrm{H} \times 3 \mathrm{~W} \times 11^{\prime \prime 2}$.
Cabinet size: $171 / 8 \mathrm{~W} \times 60 \times 104 / \mathrm{a}^{" H}$. Cabinet, "See-Thru" drawers, dividers. and index labels. Shpp. wt.. 18 lbs.

## 13 F 76037 W

NeI 22.99
MODEL 18.320. Above, but with unbreakable opaque drawers


Net 22.99

## PORTABLE 15 DRAWER STORAGE ORGANIZER

- All Steel Frame 350 Ideal storage unit for hobbyist or handyman. All steel unltized frame $10^{\prime \prime} \times 8^{\prime \prime} \times 6^{\prime \prime}$. Compact yet holds many items in easy to locate fashion in 15 "see.thru" drawers. $23 / 4 /^{" x} 11 / 4$ " $\times 53 / 4$ " Unbreakable tote handle. Metallic blue baked enamel tinish. With drawer dlviders and labels. Shpg. wt., $41 / 2 \mathrm{lbs}$.


## FDR THE HOME-HOBBY-BUSINESS

(D) MODEL 17-416. 16 long wide drawers.

Drawer size: $2 H \times 4 W \times 11$ 'L
Cabinet size: $177 / 8 W \times 11 D_{x} 101 /{ }^{2} \mathrm{H}$. Cabinet, "See-Thru" drawers, dividers and index labels. Shpg. wt., 20 lbs.
13 F 76128 W
Net 22.99
MODEL 18-416. Above but with unbreakable opaque drawers.
13 F 76052W
Net 22.99
MODEL 17-715. 15 long deep drawers.
Drawer size: $34 / 2 \mathrm{~Hz} 3 \mathrm{y} / \mathrm{WW} 11^{\prime \prime \mathrm{L}}$.
Cabinet size: $177 / 0 W \times 110 \times 10^{1 / 2 " H}$. Cabinet, "See-Thru"e drawers, dividers, and index labels. Shpg. wt., $204 / 2 \mathrm{lbs}$.
13 F 76036 W Not illustrated
Net 22.99
MODEL 18-909. Above but with unbreakable opaque drawers.
13 F 76094 W Not illustrated. Shpg, wt., 9 lbs , Net 22.99 13 F 76250
PORTABLE LOCKING CABIMET


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 spilling. Keyhole slots for hanging. 12 drawers $144^{\prime \prime} \times 23 / 4$ " $\times 53 / 4^{" \prime} 1$ jumbo drawer $21 / 2^{\prime \prime} \times 83 / 4^{\prime \prime}$. Overall size $10^{\prime \prime} \times 9^{\prime \prime} \times 6^{\prime \prime}$ With carrying handle. Adjustable dividers and labels. Shpg. wt., 61/2 lbs.
13F76219W
Net 5.65


- Heavy Gauge Welded Steel Frame

Extra large cabinet $217 \mathrm{~m}^{7} \mathrm{Hx} 12 \% \mathrm{~s}^{* W}$ $\times 61 / 4 " 0$, holds hundreds of tiems. Modular constructlon permits arrangement in single or multiple units, on walls, workbenches, shelves, or shop floors. Rigld steel frame and full metal shelf support any load in drawers. Plastic feet prevent scratches when standing, and secure multiple stacking. Inside drawer size: $13 / 8^{\prime \prime} \times 21 / 2^{\prime \prime} \times 5 \geqslant 3{ }^{2}$ ". Crys-tal-clear drawers. Feature safety stop and safe-grip-handle comes with 1 divider per drawer and index cards. Baked enamel finish. Imported. Shpg. wt., 12 lbs .
13 F 77506 W
Net 9.95


16 drawer steel utility cabinet 565


- Deep Drawers

65
Model 11-266. Charcoal hammertone welded steel heavy duty $9^{\prime \prime} \mathrm{Hx} 13^{\text {"Wx}}$ $6^{\circ} \mathrm{D}$ trame with 16 extra deep $23 / \mathbf{4}^{\prime \prime} x$ 2"x53/4" "see-thru" drawers. Baked enamel finish cannot chip or peel. Can be stacked for more compact arrangement. Adjustable dividers and labels included. Sultable anywhere from office desk to workbench. Shpg. wt., $63 / 4 \mathrm{lbs}$.
13 F 76193 W
Net 5.65
30 DRAWER PARTS CABINET


Clear plastic drawers $27 / 4 \times 11 / 4$ $x 53 / 4^{\prime} 0$., each with removable dividers; safety stops to preven accidental spillirgg. Cabinet tilts when carried; bach punctied for hanging. Bottom and top mate for solid stacking. Metal sides and back with contrasting high impact plastic top and bottom. Comes with labels, dividers and handle. $17 \mathrm{H} \times 93 / 4 \mathrm{~W} \times 61 / 4{ }^{\prime \prime} 0$. Shpg. wt. $102 / 2 \mathrm{lbs}$.
13 F 54505 W
Net 5.95

## Vacuum Cleaners...Staple Guns

## SHOP-VAC ALL PURPOSE VACUUM CLEANERS

\author{

- Heavy Steel Drum-Excellent for the Home, Garage, Patio, School or Workshop <br> - Powerful 1 HP Motor, $6 \mathrm{ft} . \mathbf{2 1 / 2 " D}^{\text {" Dia. Hose }}$ <br> \section*{As Low As} <br> $29^{95}$
}

Deluxe 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 too. Pesfect for winter oil burner cleaning. Complete with two-way 4 -wheel dollie, 6 ft . $21 / 2^{\prime \prime}$ dia. hose, $6^{\prime \prime}$ nozzle, $21 / 2^{\prime \prime}$ to $11 / 4^{\prime \prime}$ adapter, $2-p \mathrm{c}, 45^{\circ}$ extension wand, right angle elbow, cloth filter bag and pkg. of 5 paper filters. UL listed. Shpg- wt., $20^{\circ} \mathrm{lbs}$.
13 F 35652 WX No Money Down*
Net 34.95
5 Gallon Shop-Vac Vacuum Cleaner. Same as above, Including all accessories, except for 5 gallon vacuum capacity. UL listed. Shpg
wt. 17 lbs .
13 F 35702 W
Net 29.95
Paper Filter Bags: For extra dirty jobs, slips over cloth bag
13 F 35561 Pkg. of 5 . Shpg. wt., 4 oz . Net .99
13 F 35579 Replacement Cloth Bag. Wt., 4 oz. .................Net 1.49
"HOPPY" SPLIT-IMAGE
TRANSIT

Only


- Plate Glass Mirrors


Amazingly accurate instrument that will Indicate level and measure a minimum of $1 / 8^{\circ}$ rise or fall at 25'. Makes present day bubble and string type levels obsolete. It not only indicates level but shows exactly how much correction is needed. One man can perform any leveling or incllne measuring job quickly, easlly, and accurately. Makes any complicated measuring/leveling job simple. Use it for patio layout, bricklaying, flooring, surveying terracing, fencing plumbing shelving guttering, drainage, irrigation indsfencing, plumbing, shelving, guttering, drainage, lrrigation, indispensable as a leveling and grading tool for model rallway pike. Shpg. wt., $11 / 4 \mathrm{lbs}$.
14 F 18011
14 F 18029 case-Shpg. wt., $3 / 4$ lbs.

Net 8.25 Net 4.95

- Includes: Gun, Case-Wiring, Screening, And Window Shade
Attachments-Staple Lifter
Professional staple gun with a powertul action that drives 6 heary duty staple sizes, $1 / 4^{\prime \prime}, 5 / 16^{\prime \prime}, 3 / 8^{\prime \prime}, 1 / 2^{\prime \prime}, 9 / 16^{*}$ and Cell-thes-especially designed for celling tlle. Kit contains: staple gun; multi-staple pak of $20001 / 4^{\prime \prime}$. and 1000 ea. $3 / 8^{*}, 1 / 2^{\prime \prime}$ and Celltie staples, and attacnments.
13 F 57508 Shpg. wt., 5 t/2 lbs. ... Net 13.95
STAPLES FOR THE MODEL T-50 GUN
Quantity 5000 , avg. shpg. wt., 8 oz.

| Stock No. | Size | Net |
| :---: | :---: | :---: |
| 13 F 57524 | 1/3" | 2.69 |
| 13 F 57532 | 1/2" | 2.95 |
| 13 F 57540 | \%"* (Ceiltiles) | 3.39 |
| 13 F 57551 f | Multi-Paks | 2.69 |
|  | ment.2000 1/4" |  |

bIPPO POWERFUL Vacuum cleaner


Powerful, portable vacuum for gemeral household cleaning or use in the garage or garden. Rugged Lexan housing. Only $15^{\text {" }}$ long and $7^{\prime \prime}$ dia. Equipped with $3^{\prime}$ hose, $9^{\prime \prime}$ crevice tool, $21 / 4^{\prime \prime}$ round dusting brush, $5^{\prime \prime}$ upholstery nozzle, $9^{\prime \prime}$ flpor nozzle with brush and 2.pc. $40^{\prime \prime}$ extension wand-all $11 / 4^{\prime \prime}$ diameter. Weighs $61 / 2 \mathrm{lbs}$. 1 HP motor. UL and CSA listed. Comes with $21 / 2^{\prime \prime}$ to $11 / 4^{\prime \prime}$ adapter for use of standard vacuum accessotles. Supplled with 18 ft . cord and shoulder strap. Shpg. wt., 8 lbs.
13 F 35637W
Net 20.95
F 35637W
Net. .99

## MULTI.PURPOSE GUN TACKER KIT

## Suringline STAPLE

## (A) HEAVY DUTY STAPLE GUN

 - Built-In Staple Extractor- Easy Loading of 5 Staple Sizes Model 200 drives 5 sizes of staples. Snap open load. Exclusive power dot and tandem springing deliver super power. hoading takes only a moment. Built in extractor. Accepts $1 / 4^{*}$ to \%o" staples including special loktile staples for firm holding of celling tiles. 13 § 58126 Shpg. wt., 2 libs. .-... Net 7.95 1000 staples for $\# 800$ staple guns.

| Stock No. | Log Lemeth | stipe wt. | Net |
| :---: | :---: | :---: | :---: |
| 13 F 58134 | 1/4" | 707. | . 55 |
| 13 F 58142 |  | 702. | . 60 |
| 13 F 58159 | ${ }^{3 / 2}{ }^{\text {m }}$ | 702. | . 70 |
| 13 F 58167 | $1 / 2^{\text {- }}$ | 702. | . 70 |
| 13 F 58183 t | \% ${ }^{\text {c }}$ | 702. | B0 |

tsoecial Loktile Staples

## (B) CABLE TACKER

## - Fast-action

- Reaches Into Tight Praces

Model 300 Swingline fast-action staple gun for fastening low voltage electric and telephone wire, cable, rods, barbed wire, etc. Flres arched crown staples, $1 / 4^{-2} 3 / 8^{\prime \prime}$. Nar. row width permits reaching into tight places. 13 F 58092 Shpg. wt., 24/2 lbs. - Net 12.50 13 F 58100 Shpg. wt., 8 oz._ Net 1.19


Vises and Metal Working Tools

PORTABLE VACUUM VISE


No clamps, no screws! Vacuum power holds vise securely on any non-porus surface. Use It on formica, linoleum, metal, porcelain or any painted smooth finish surface. Anvil back, 2 jaws. $112^{\prime \prime}$ and $21 / 2^{\prime \prime}$ open to $21 / 8$ inches. $360^{\circ}$ rotation swivelhead. Easy to use vacuum action and jaw controls. For
hobbyist, repairman. Imported. 13 F 55916 Shpg. wt., $53 / 4 \mathrm{lbs}$.

Net 6.95

$4^{\prime \prime}$ 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 $43 \%$ "; plated screw bar. Steel handle balls forged from handle stock. Precision machined malleable Iron castings. Selflubricating graphtte bronze bearing. Imported. Shpg. wt., 19 lbs. 13 F 55890
HEAVY DUTY 6" MODEL Similar Net 10.95 Width of Jaws: $6^{\prime \prime}$ opens to $61 / a^{\prime \prime}$. Shipg. wt., $281 / 2$ lbs. 13 F56120W

Net 16.95
HEAVY DUTY 18" BENDING AND FORMING BRAKE

- For Experimenters-Servicemen-Shops
- Clean Smooth Bends
- Forms Up To $90^{\circ}$
- Handles Up To $18^{\prime \prime}$ Width In Up To 16 Gauge Thickness


Rugged heavy-duty all steel construction and unigue design permits forming chassis, boxes, covers, trays, etc. by means of $1^{\text {² }}$ deep slots in brake-bar which allows corners to fold in. Provides flange edges up to $1^{\prime \prime}$ high. Easy to adjust for thickness, accuracy, angle of bend. Features built-in clamps. Imported. Shpg. wt., 17 lbs. 99 F 80640 WX

Net 11.95
4 TOOLS IN ONE
FOR INOUSTRIALS, EXPERIMENTERS, REPAIR SHOPS, MODEL WORXERS, SCHOOL SHOPS, HOME WCRK 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 $1^{\prime \prime}$ clean, sharp, smooth, burr-free holes - up to $1^{\prime \prime}$
Irom edge - $K_{0}$ and $1 / 4^{" \prime}$ round. Forms bend up bar stock. Cleanly shears metals up to $1^{\prime \prime}$ wide, 16 to $90^{\circ}$ in rod or bar stock. Cleanly shears metals up to $1^{\prime \prime}$ wide, 16 rivet. Rivets up to a maximum combined thickness of $\%$ ". Shpg. Wt. 6 lbs. 14 F 11010

Net 10.95 EXTRA PUNCH SETS.
AvR. shpr. Wt., 302.
14 F $11024 \mathrm{Hex}-\mathrm{K}_{4}{ }^{\circ}, 1 / 0^{\prime \prime}$ and $1 / 4^{*}$
Net 2.49
14 F 11032 Square- $1 / 8^{*}$ and $x_{6}{ }^{\prime \prime}$
Net 1.69


(A) HAND VISE

The only practical way to grip and hold small parts. $11 / /^{\prime \prime}$ die cast jaws open to $2 / \mathbf{a}^{\prime \prime}$. Mounted on a $4^{\prime \prime}$ comfortable ferruled wooden handle. Holds work for drill. ing, marking, filing, sawing, etc. Endless uses in handiwork. Imported. Shpg. wt., 1 lb . 13 F 55346

Net .99
(B) PIN VISE

Has standard $1 / 4^{\text {" }}$ chuck with 3 hardened jaws. Chuck opening from $0^{\prime \prime}$ to $1 / 4^{\prime \prime}$. Set on "easy-grip" terruled wood handle 4" long. Holds small drills, reamers, screw bits, files, etc. A "natural" for the hobbyist and craftsman. Imported. 14 F 61201 Shpg. wt., $7 / 4 \mathrm{lb}$.

Net .99

3" MACHINIST VISE SWIVEL-BASE
95 A sturdy, reliable, swlvel base vise 1or tool room, home or shop lobs. Three inch jaws; $3^{\prime \prime}$ opening. Swivel base permils $280^{\circ}$ degree revolution. Locks in any position. Anvil back. Well made of malleable iron castings. Hardened tool steel jaw faces. Ideal for carpentry, sanding, sawing, tool sharpening, jaws. Imported. Shpg. wt., 10 lbs. 13 F 55908
wxitor:
ELECTRONIC VISE WITH POSITIONER

For smatl sub-assemblies and intricate electronic work inrluding printed circuits. Rubber protected jaws are $21 / 3^{\prime \prime} W$ with $15^{95}$ opening. Powharm positioner a $61 /$ opening. PowRarm positioner on-off action with horizontal handle. Shpg. wt., $2 \mathrm{Z} / 4 \mathrm{lbs}$. 14F80029

Net 15.95
BEMnCUTITER CUTTING TOOL KIT

Cuts Anything Metal or Plastic Only 595
BernaCutter cleanly and easily cuts plastics and laminates up to Kol floor tile, sheet metals or panelling. 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 handies provide a comfortable grip for continuous use. With 1 metal cutting. 1 plastic cutting and 1 shaper blade for circles and curves plus ideainstruction book. Shpg. wt., 1 lb .
14 F 31501 Net 5.95
 "NIBBLING" TOOL


Easily operated hand "Nibbler" cuts any
shape hole in sheet steel-atuminumshape hole in sheet steel-atuminum-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 distorting original form. Cuts in all directions. Any design-angle-radius. Follows scribe lines easily. Best possible tool for cutting template and model parts. 14 F 12055 Shpg. wt., 8 or. ...... Net 4.50 Replacement punch for above 14 F 12063

Net 2.50
3" MITRE CORNER CLAMP
Portable clamp fully exposes both sides of the joint - allows you to put fastenings wherever you wish. Handy for clamping, cutting, glueing, nailing, etc. Sturdy die-cast aluminum, Chrome plated $T$-slide bars. Im. ported. Shpg. wt., $3 / 4 \mathrm{tb}$. 14 F 70111

Net 1.39
PRECISION OILER

Instrument for precision oiling. Spout is only .003" dia. Made of stainless steel and butyrate. Filled with clear, non-staining machine oil. Can be refilled. Mypo action prevents messy, harmful overolling. Shpg. wt., 3 oz. 14 F:33106

# Precision Metal Working Tools 

greenlee chassis punches


TYPE 731


TYPE 732

## Type 730 Round Table Punches

Cut holes in matals up to 16 gauge thick with the turn of an ordinary wrench. No sawing, reaming or filing. TYPE 730, Round Holes, AVG. ShPg. wt. 2 lbs. ea.

| Slock No. | Size | $\begin{aligned} & \text { Net } \\ & \text { e2. } \end{aligned}$ | Stack No. | Size | Net ea. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| T3F29010 | $1 / 2$ | 2.85 | 1372527 | 11/4* | 3.35 |
| 13 F 29028 | 710" | 2.85 | 13 F 29432 | $1 \%_{16}$. | 4.15 |
| 13 F 29036 | 56" | 2.85 | 13 F 29275 | 17\%" | 4.15 |
| 13 F 29044 | 1/10" | 2.85 | 13 F 29283 | 11/2" | 4.55 |
| 13 F 29051 | 3/4" | 2.85 | 13 F 29291 | 15/8" | 5.50 |
| 13 F 29069 | 13," | 2.85 | 13 F 29309 | 13/4" | 6.30 |
| 13 F 29077 | 7/8" | 2.85 | 13 F 29317 | 1.7/8* | 7.80 |
| 13 F 29085 | "714." | 3.20 | 13 F 29325 | $2 \times$ | 8.35 |
| 13 F 29093 | 1 " | 3.20 | 13 F 29333 | 21\%" | ${ }^{9} 9.00$ |
| 13 F 29101 | 1\%"。 | 3.35 | 13 F 29341 | 21/4" | 9.30 |
| 13 F 29119 | 118" | 3.35 | 13 F 29358 | 21/2" | 15.10 |
| 13 F 29127 | 1\%2" | 3.35 | 13 F 29366 | $23 / 4{ }^{\prime \prime}$ | 21.00 |
| 13 F 29135 | $11_{10}{ }^{\prime \prime}$ | 3.35 | 13 F 29382 | 3 | 29.00 |
| TVPE 731, Square Holes, Punches. |  | TYPE 732, Reyed Sochets. Punches. |  |  |  |
| Stock No. | Slice | $\begin{gathered} \text { Net } \\ \text { ea. } \end{gathered}$ | Stock No. | Size | Net ea. |
| 13 F 29143 | $1 / 2{ }^{\prime \prime}$ | 7.45 | 13 F 29176 | "\%, ${ }^{\prime \prime \prime}$ | 6.90 |
| 13 F 29150 | 5\%" | 7.45 | 13 F 29184 | 1910" | 7.25 |
| 13 F 29158 | $3 / 4{ }^{\prime \prime}$ | 8.10 | 13 F 29192 | 11/4" | 7.80 |
| 13 F 29390 | 7/8" | 9.50 | 13 F 29416 | 11/9** | 8.20 |
| 13 F 29408 | $1^{\prime \prime}$ | 9.80 | 13 F 29424 | 121/4e" | 10.95 |

Replacement cap screws for 730 , round hole, punches above. Shipg. wt, 4 ous.
13 F 29200
13 F 29218

$7 / 9^{\prime \prime}$
"
$\square$ Net 13 F 29226 For $1^{-1}$ throuph $1 \frac{1}{2} 2^{*}$ $\qquad$ 13F 29242 For $17 / 6^{\circ}$ through $21 / 2^{\circ}$ 13 F 29259 For $2^{1 / 4^{\prime \prime}}$ and $3^{\prime \prime}$

## 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. trlangular and edge files to fit every need. Imported. Shpa. wt. $1 / 2 \mathrm{lb}$. 14 F 64536 Net 4.50


## HANDY WARDING FILE SET



- 5 Individual Files
Perfect for shop-home-hobby work. Kit consists of flat, half round, triangular, square, round and taper files. All with in dividual hard plastic handles. Sturdy plastic pocket case included. Imported.
13 F 55122 Shpg. wt., 5 oz.


## FILE RASP

## - Tungsten Carbide

 Abrasive Surface Cuts on forward and back strokes. Even side ways or circular motions. For use on wood, plastic, composition, glass, plaster, porcelain, etc. Two abrasive surfaces-one side coarse (46) grit-other side medium (80) grit. Resists loading-cleans easlly with solvent, hot water or wire brush. 14 inches long -liat face. Vinyl grip on handle.14 F 59502 Shpg, wt., $1 / 2 \mathrm{lb}$.
Net 1.95
 strokes. Even


Measure round, flat, or irregular shapes up to $4^{\prime \prime}$ thick. Direct readings on $0-4^{\prime \prime}$ scale calibrated in 32nds. Measure up to $3^{\prime \prime}$ in from the edge of a part. Knurled thumb. screw locks the caliper at midscale position for use as a gauge. Shpg wt., 1 ib. 14 F 29018

Net 1.95

## VERNIER SLIDING CALIPER



Sharp pointed projection for accurate dividing, scribing, etc. Lock nut insures against errors caused by sliding gauge. Rule graduated in 16 th and 32 nds plus $5^{\circ}$ depth gauge. Precision made. Imported. Shpg. wt., 6 oz. 14 F 61128

## 5-PC. SCREW EXTRACTOR SET $99^{\circ}$



Chrome vanadium set. Removes broken and multilated screws-bolts-studs, even $1 / 8^{\prime \prime}$ and $1 / 4^{\prime \prime}$ pipe. Slmply drill damaged screw. twist extractor in-and back screw out. With plastic pouch. Imported. Shpg. wt., 6 oz. 13 F 55452

- Easy-smooth holes in sheet metal
- 5 sizes: $1 / 2^{\prime \prime}$. 5/8" $3 / 4^{\prime \prime}, 1^{\prime \prime}, 11 / 0^{\prime \prime}$

Five most often needed round hole punches, Easily cuts smooth accurate holes for sockets, plugs, controls, panel lights, switches, terminals, and most radio parts. Drive with any wrench or with included T-handle. Punch sizes included are $1 / 2^{\prime \prime}$, $5 / /^{\prime \prime}, 3 / 4^{\prime \prime}, 1^{\prime \prime \prime}, 1^{1 / 6^{\prime \prime}}$, Complete with punches, dies, T drive handle, tapered reamer, fitted case, and instructigns. Shpg. wt., $2^{1 / 2}$ lbs. Imported.
99 F 80244
Wet 6.95


## DELUXE 40-PIECE TAP AND DIE SET



- National Coarse \& Fine Thread

40.DC. set for mechanics, machınists, engineers. One tap and die in each of following: $4-36,12-24,1 / 4-16,3 / 24.24 .62 .1 / 4.20,7 / 4-20$,
 plus long handle adjustable tap wresch. "J'" handle tap wrench, die handle, screwdriver, screw pitch gauge. Hinged metal box with moulded rubber inlay tray. Imported.
13 F 55882 Shpr. wt., $6 \frac{1 / 4}{}$ lbs.
Net 9.95


## 20-PIECE TAP AND DIE SET

## Natienal Coarse Sizes 95

Twenty of the most often needed tapes and dies. Sizes popularly used In radlo. hobby. home. shop tap and one die in each of the
and light industry. Contains one tap following sizes: $6-32,8 \cdot 32,10-24,12-24,1 / 4-20,145,18,3 / 4-16,3 / 0-14$, and $1 / 2-13$. Including die stock and adjustable tap wrench. Entire set contained in a fitted metal case. Imported. Shpg. Wt.. 4 lbs. 13 F 55106

Net 4.95

## PATTERN MAKER AND CONTOUR GAUGE



- Match and Outline Any Irregular Shape For home. shop and industry. Simplifles measurement and copying of Irregular shapes. Easy to use, just press the gauge's steel teeth against any Irreqular surface to exactly match and hold the shape taken. Uses finclude: measuring pillar contour, fitting, floor tile, carpeting, wood mouldings, linoleum. $6^{*}$ long. Imported.
14 F 52051 Shpg. wh., $3 / 4 \mathrm{lb}$.
Net 1.59


## REMINGTON $10^{\circ}$ TUNGSTEN CARBIDE ROD SAW


cenamics - Cuts Like a Dlamond

- Fits Any Hacksaw Frame

Solves 'Impossible' cutting problems fast! Cuts materials that an ordinary hacksaw can't cut; ceramic tile, glass, masonty materials, lough plastics, welds, 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., 307.
13 F 38508
Net 1.89
381

# High Quality Pliers-Cutters for Electronics 


(A)

(D)

(A) $61 / 4$ " LONG NOSE PLIERS, Durable drop forged steel pliers with hardened and tempered side cutting edges. Insulated handies for protection and comfort. Thin nose reaches into any space. Completely polished and lacquered finish to prevent rusting. Imported. Shipg. wt., 7 oz.
13 F 55783
Net 1.59
(B) $61 / 4^{\prime \prime}$ DIAGONAL CUTTING PLIERS. Fully drop forged steel construction. Hardened and tempered cutting edges... thin nose for hard to reach places. Shockproof handies are insuiated for comfort and protection. Rust-proof finish is completely polished and lacquered. Imported. Shpg. wt., 902.
13 F 55791
Net 1.59
(C) 7" LINESMAN'S CUTTING PLIERS. Large, strong holding grip. Rugged drop forged construction... tempered steel edges. Comfort design handles are shock insulated. Nose and handles protected by polished and lacquered finish-prevents rusting. Imported. Shpg. wt., 1402 .
13 F 55809
Net 1.95
(0) a" 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 protectlve chrome plated finish. Imported. Shpg. wt., 1202.

13 F55817
Net 1.29
(E) $61 / 2^{\prime \prime}$ CURVE NOSE PLIERS. Versatile long. nose pliers bent $45^{\circ}$ at midpoint of jaws. Forged from speclal heat treated, alloy steel and chrome plated to resist rust. Hand honed side cutters. Insulated grips. Shpg. wt., 702.
13 F 55205
Net 1.39
(F) LIGHT WEIGHT LONG NOSE PLIER, Ideal for all types of delicate work and for reaching into hard-to-get-at places. Spring closing -holds wires, nuts, screws, efc. Handy for mechanics, assemblers, hobbyists. $83 / 4$ - long, with soft plastic colored handles. Shpg. wt., 502.

14 F 26014
Net 1.29

## KRAEUTER "INDUSTRIAL" PLIERS



- All With Cushion Grip Handles

Fine quatity - hammer-forged from high grade tool steel. Individually fitted, tempered and adjusted. Fully polished heads. Rust-resistant cushlon grip handles.
ave. Shag. wt., 1 lb .

| Stock No. | Type | Fig. | Description | Net |
| :---: | :---: | :---: | :---: | :---: |
| 13 F 28012 | 35015 | 1 | $5{ }^{\prime \prime}$ Diagonal Cutters | 2.99 |
| 13 F 28020 | 35016 | 1 | $6^{* \prime}$ Diagonal Cutters | 3.19 |
| 13 F 28038 | 37015 | 2 | 5" Needle Point Diagonals | 3.59 |
| 13 F 28046 | 36616 | 2 | $6^{\circ}$ Needle Nose with Cutter | 3.39 |
| 13 F 28079 | 27510 | 4 | $10^{\prime \prime}$ Joint Pliers | 2.99 |
| 13 F 28202 | 36535 | 5 | $5^{\prime \prime}$ Radio \& Ignition Long Nose Cutting Pliers (CrossColl Springs) | 2.99 3.99 |
| 13 F 28095 | 36107 | 6 | $7^{\prime \prime}$ Heavy Duty Dlag. | 3.39 |

WIRE STRIPPER AND CUTTER


## 1 <br> 29 <br> - Self Opening

For any size wire, stranded or solid. Adjustable arm for varying wire size. Made of hardened tool steel finely ground cutting edges. Built-in spring holds cutter open. Has ping-lateh to hold blades in elosed position. Shpg. wht. 602.
14 F 16502
STRIP-ER-CLIP

- Adjusts Instantly to Correct Wire Size

A precision tool with an exclusive safeguard that prevenis damage to wires. Eight stop gauge adjusts instanily to the correct wire size. For all wires between 12 and 26 gauge. Comfortable Insulated grip. Specially ground cutting edge. Shpg. wt., $1 / 2 \mathrm{lb}$. 13 F 61195
(G) 9y2" HEAVY DUTY WATER PUMP PLIERS Drop forged arc joint sllp-groove for blg leverage on work you can't get with other gripping tools. Fully chromed and polished plier offers maximum leverage and strength. 5 adjustments. 1" parallel opening. Deep milled jaws made of chrome vanadium steel. Imported. Shpg, wi., $11 / 4 \mathrm{lbs}$ 14 F 55211

Net 1.99
(H) $10^{\circ}$ PLIGRIP WRENCH WITH QUICK RELEASE. Made of high quality chrome molybdenum steel. All purpose drop-foried steel jaw for flat, round, or hex work. Quick fingertip release lever permits convenient one hand operation. Has spring tension adjustment and bright plated IInish. Imported. 13 F 55999 Shpg. wt., $17 / 4$ lbs. Net 2.29
(I) Plike 4-in-1 Tool. Constructed of high carbon steel. Multi-purpose tool for wire siripping, erimping, cutting and bending. Handle is plastic coated to provide cushioned grip. Use in the shop, in the home, or service center. Black oxide finish. $61 / 2^{\prime 2}$ long.
14 F 45048 Shpg. wt., $1 / 2 \mathrm{lb}$.
Net 2.95

CHAK NET LOCK
LITTLE CHAMP PRECISION PLIERS



- 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 jeweters finish with plastic cushion grip handles. Avg. shpg. wt., 5 ozs.



Forged from high grade steel, precision machined. Specially designed for fine electronics work. Long. slender reach...precision-matched jaws... hand-honed, specially hardened cutting edges. The 748 G long reach, end cutters are tine enough to cut a human hair-rugged enough to cut 12 gauge copper wire. The 738 G long reach, round nose will pick up human hair with lis precislon machlied parts. The 728Glong reach diagonal cutters have a patented wire stripper that really works. The 718 G -long reach, flat nose has a bulldog grip with watchmakers precision. Length' $8^{\prime \prime}$. Av. shpg. wt., 10 oz .
13 F 30018748 G end cutter with plastic grips
13 F 30026 738G round nose with plastic grips
13 F 30034728 G diagonals with plastic grips
13 F 30042718 G flat nose with plastic grips
Net 3.29
Net 3.29
Net 3.49
Net 3.29

# Professional Screwdrivers-Nutdrivers 



## (C) NUT DRIVER SCREWDRIVER SET

- 14 Piece Nut and Screwdriver Set
- Durable Plastic Roll Kit

Model 99PR-Thirteen interchangeable nut drivers and screwdrivers. Nine nutdrivers, $3 / 16,7 / 32,1 / 4,9 / 32,5 / 16,11 / 32,3 / 8,7 / 16$, $1 / 2^{\prime \prime}$. Slotied screwdriver $3 / 1^{\prime \prime \prime}$ and $1 / 4^{\prime \prime}$. Phillips screwdrivers (\#1 and \#2). Handle. Roll up kit. Shpg. wt. 2 ibs.
13 F 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 14778 contains 7 hollow shaft color coded nut drivers. (Hex Model 14718 contains $16^{\prime \prime}, 11 / 32^{\prime \prime}, 3 / 8^{\prime \prime}, 7 / 16^{\prime \prime}, 1 / 2^{\prime \prime}$.) Housed in attractive "snap lock" case for sécure hoiding and easy removal. attractive snap
t 46477 Shpg. wt., 2 lbs.

Net 8.94

- Solid Shaft 7 Color Coded Nut Drivers
- Carrying Case for Bench Caddy or Wall Mounting

Model $127 T 8$ molded plastic bench tray has fold away stand. Holds tools securely yet permits easy removal. Hex sizes $3 / 16^{\prime \prime}, 7 / 32^{\prime \prime}$, $1 / 4^{-}, 9 / 32^{\text { }}, 5 / 16^{\prime \prime}, 11 / 32^{\text { }}, 3 / 8^{m}$.
13 F 46469 shpg. wi., $13 / 4 \mathrm{lbs}$.

## COMPACT DOUBLE DUTY <br> COMPACT DOUBLE DUTY TOOL SETS

(E) PS-120 COMPACT NUTORIVER SET- 10 nutdrivers, $31 / 2^{\prime \prime}$ pocketsize. Piggy-back "torque ampliffer" handle slips over pocket tool handies, gives grip and power of standard drivers. See-thru plastic case, simmed to fit your pockel; stands on flat hase. Kis. 1/8,
 13 F 46022

Net 6.15 (f) PS 7 DOUBLE DUTY TOOL SET-Saves bench space. GIves grip, reach and power of standard drivers with remarkable "torque amplifier" handle. Set includes: (all $31 / 2^{\prime \prime}$ ) 2 color coded nutdrivers, $1 / a^{"}$ and $K_{s}{ }^{\prime \prime} ; 2$ slot tip screwdrivers, 2 Phillips screwdrivers, 0 and $\$ 1$. Slim, pocket-fitting see-thru piastic case. 13 F 46220 Shpg. wt., $1 / 2 \mathrm{lb}$.

Net 4.28 ( 6 ) PS 8 S SCREWDRIVEN SET-Compact, for bench and pecket. Set has 5 slot tip screwdrivers: $1 / 5,1 / 0,1 / 2, K_{0}, 1 / 4^{\prime \prime} ; 3$ Phillips screwdrivers: \#0. \#1, 2. All $31 / 2^{\prime \prime}$ pocket size plus $1 \times 3 y^{\prime \prime}$ hollow hande. See thru plastic case, stand-up base. Shpg. wt., 12 oz .
13 F 46444
Net 4.47
(H) 99PS-50 SET DF SCREWDRIVERS-MUTDRIVERS-COntains seven nutdrivers: Ka, $1 / 2,1 / 4, K_{3}, K_{0}, 1 / 5_{2}$, and $3 / \mathbf{m}^{\prime \prime}$; two slotted screwdrivers: $K_{0} "$ and $K_{2}{ }^{\prime \prime}{ }^{2} 1$ and 2 Phillips screwdrivers, an extension blade (adds $4^{\prime \prime}$ reach to single end blades) regular handle 1 Kox $\times 1 / 1 /{ }^{\prime \prime}$ ", Easy to work with in space-saving, convenlent see-thru plastic case with flat base that stands up on work bench. Shpg. wt.. $11 / 2$ lbs. 13 F 46451

## VINYL PLASTIC ELECTRICAL TAPE

 $69^{\circ}$- UL Listed
- 60 Ft. $\times 3 / 4^{\prime \prime}$
- . 008 in. Thick
- 10,000 V. Breakdown

First quality, pressure sensitive polyvinyl chlorlde tape. Extremely high dielectic strength of $10,000 \mathrm{~V}$ breakdown. Insulation resistance of one million megohms. Over $150 \%$ elongation at break. Excelient resis-
tance against acids, alkalis, olis, salt water, tance against acids, alkalis, olis, salt water,
efc. Tensile strength of 15 bs. per in. High conformablilty. Forms tight. smooth orotective wrap. imported. Shpg. wt., 6 oz. 99 F 80152

Net .69
LaRGE PLASTIC TAPE KIT:
10 rolls of vinyl plastic tape. Each roll 33 ft . by $3 / 4^{\prime \prime}$. 1 ea. of Red, white, sky blue, blue grey, yellow, brown, green, black and orange.
99 F 80301 Shpg. wt., $11 / 2$ lbs.

(H)
(G)


|  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ROUND BLADE SCREWDRIVERS |  |  |  |  | HOLLOW SHAFT NUT DRIVERS |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Stock Mo. | Type \# | Shaft Slze | Orerall | Net | Stock No. | Type \# | Shaft Slze | Over | Net |
| 13 F 46246 | R144 | $4^{\prime \prime} \times 1 / 4^{\prime \prime}$ | $8^{\circ}$ | . 99 | 13 F 46485 | HS-6 | 3/16" | 61/4" | 1.02 |
| 13 F 46253 | R146 | $6^{\prime \prime} \times 1 / 4^{\prime \prime}$ | $10^{\prime \prime}$ | 1.08 | 13 F 46493 | HS. 7 | 7/32" | 61/4" |  |
| 13 F 46261 | R148 | $8^{\prime \prime} \times 1 / 4^{\prime \prime}$ | 12" | 1.14 | 13 F 46113 | HS-8 | 1/4" | $7{ }^{7 \prime \prime}$ | 1.02 |
| 13 F 46279 | R182 | $2^{\prime \prime} \times 1 / 8^{\prime \prime}$ | 242" | 42 | $13 F 46501$ | HS-9 | 9/32** | 7"' | 1.02 |
| 13F46287 | R183 | $3^{\prime \prime} \times 1 / 8^{\prime \prime}$ $4^{\prime \prime} \times 1 / 8^{\prime \prime}$ | 5" 618" | . 39 | 13 13 13 ${ }^{\text {F }} 46121$ | HS-10 | 11/32" | 7" | 1.02 |
| 13 <br> 13 <br> 13 62911 | R184 R188 | $4^{\prime \prime} \times 1 / 8^{\prime \prime}$ $8^{\prime \prime} \times 1 / 8^{\prime \prime}$ | 101/2" | . 63 | 13 13 13 F 46147 | HS. 12 | 11/3" ${ }^{\prime \prime}$ | $7{ }^{7}$ | 1.02 |
| SET.SCREW | TYPE | with pocket | clip |  | 13 F 46519 | HS. 13 | 13/32"' | 714" | 1.17 |
| 13 F 46329 | R1844 | $4^{\prime \prime} \times 1 / 8^{\prime \prime}$ | $6^{\prime \prime}$ | . 42 | 13 F 46154 | HS. 14 | 7/16" | 71/4" | 1.17 |
| 13 F 46337 | R3323 | $3^{\prime \prime} \times 3 / 32^{\prime \prime}$ | 5" | . 39 | 13 F 46527 | HS-15 | 15/32' | 714*** | 1.17 |
| PHILLIPS 5 | SCREWDR | VERS-alloy | y steel |  | 13 F 46162 | HS-16 | $1 / 2^{\prime \prime}$ $9 / 16^{\prime \prime}$ | 71/4" | 1.17 1.23 |
| 13 F 46345 | $\times 101$ | $3^{-\prime \prime}{ }^{\prime \prime} 1 \mathrm{pt}$ - | $61 / 2^{\prime \prime}$ | . 81 | $13 \text { F } 46170$ | HS-18 HS. 20 | 9/16" | 71/4" | 1.23 <br> 1.38 |
| 13F46352 | $\times 102$ $\times 102$ $\times 103$ |  | $\begin{gathered} 73 /{ }^{n} \\ 10^{*} \end{gathered}$ | $\begin{array}{r} .99 \\ 1.44 \end{array}$ | $\begin{array}{r} 13 \text { F } 46188 \\ 13 \text { F } 46535 \end{array}$ | $\begin{aligned} & \text { HS. } 20 \\ & \text { HS.22 } \end{aligned}$ | 11/16" | $7{ }^{7 \% 8180 \%}$ | 1.38 $\mathbf{2 . 1 0}$ |
| 13 F 46360 13 F 4638 | $\begin{array}{r}\times 103 \\ \times 108 \\ \hline\end{array}$ | $\begin{aligned} & 6^{\prime \prime} \text { \# } 3 \text { pt. } \\ & 6^{\prime \prime} \text { \# } 1 \text { pt. } \end{aligned}$ | $\begin{aligned} & 10^{\prime \prime} \\ & 10^{\prime \prime} \end{aligned}$ | $\begin{array}{r} 1.44 \\ \hline .96 \\ \hline \end{array}$ | $\begin{aligned} & 13 F 46535 \\ & 13 \text { F } 46543 \end{aligned}$ | HS. 24 | 3/4" | $7 \%{ }^{\circ}$ | 2.10 |

Extremely handy tool for assembling and disassembling. It's a $1 / 4$ and $1 / 0^{\circ}$ nut driver, a no. 1 Philitps serewdrlver. and a K." slothed screwdriver. ShDg. wt., 502.
13 F 46238

# Selected Tools For The Hobbyist electric glue gun 

Features exclusive automatic feed trigger and finger tip thermostat control, handy "on-off" switch plus contoured handle. You get 60 second bonding for wood, tile, leather, fabrics, metals, masonry; or caulking. Thermostat control has three heat ranges for "idiling," "normal operation" and "extra flow." "Open/close" nozzle control valve wrench included. Rated 70 watts at 120 V . $A C / D C$. UL listed. Size: $61 / 4 \times 41 / 2{ }^{\prime \prime}$. Made of black heat resistant phenolics.
13 F 58217 Shpg. wt., $12 / 2 \mathrm{lbs}$ $\qquad$ Net 6.95 13 F 58225 Phg. of 8 Hot Melt Glue Sticks. Shpg. wt., 4 oz. Net .49 13 F 58233 Pigg, of 8 Hot Melt Caulk. Shpg. wt., 402. $\qquad$ Net 49


- In Handsome Leatherette Case



## $24^{95}$

Here's a practical set of 6 individual small tool sets each with chuck-type handles for the sporisman, hobbyist, do-it-yourselfer, TV, and hi.fi enthusiast. SC.5 Jiny screw Driver \& Awl Set (Sires: $.055^{\circ}$, $070^{\prime \prime}, .080^{\prime \prime}, .100^{\prime \prime}$, Awl); PA-5 Tiny Phillips Driver \& Allen Type Wrench set (Orivers: $\# 0, \quad$, 1 ; Wrenches: $\# 4, \# 6$, $\# 8$ ); $\$ w \cdot 5$ Tiny Secket Set (Hex sizes: $5 / 64^{\prime \prime}, 3 / 32^{\prime \prime}, 7 / 64^{\prime \prime}, 1 / 8^{\prime \prime} .5 / 32^{\prime \prime}$ ) OE-5 Tiny Dffset Open End Wrench Set (Sizes: 5/64*, 3/32* $7 / 64^{\circ}$ $1 / 8^{\prime \prime}, 5 / 32^{\prime \prime} 3$, TS-5 Tiny Tap Set (Sizes: $0-80,1-72,2-56,3-48^{-1}, 4-40$ ); \#70 Tiny Tap Drill set (Sizes: $3 / 64^{\circ}, \$ 53, \$ 50, ~ z 47$, $\# 43$ ). 14 f 27095 Shpg wt., 1 lto.
SELF-ADJUSTING SOCKET WRENCH


- Adjusts Automatically from $1 / 4$ to $7 / 16^{\prime \prime}$
Now one tool replaces many socket wrench. es! Simply press this wrench on any bolt or nut from $1 / 4^{\prime \prime}$ to $1 / 2^{\prime \prime}$ in size and it automatically selects the right socket to fit, no other adjustments needed. High tensile strength sockets minimize slippage, provide high torque. Accommodates bolt extensions up to $11 / 4$ - long. Chrome plated steel housing, Insulated handre. Length $6^{*}$. Shpg. wt., $1 / 2$ lo.
14 F 22500
Net 2.95


## 6 PIECE HOLLOW SHAFT NUT DRIVER SET


$2^{69}$

- Heaw-Duty Plastic Handle
- Made in U.S.A.

Heavy duty nut drivers with plastic handle. Hollow blade permits tightening of nut ove: long screws ... slim-tine stying reaches anywhere. Blade features rust proof finish. Sizes: $3 / 16,1 / 4,5 / 16,11 / 32,3 / 8$ and $7 / 16^{\prime \prime}$, Each nut driver is $51 / 2^{\prime \prime}$ long. Made in U.S.A. Shpg. wt., 1 ID.

## 13 F 55833

Net 2.69
9-PC. COAPPACT WUTDRIVER SET
$2^{39}$

- Color Coded Mandles
- Handy Plastic Case

Nine-piece nutdriver set has precision. ground, hardened and tempered rust-proof finish blades, with color-coded handles. Hex openings: Blach-1/8", clear $3 / 16^{\circ}$, blue-7/32- , a mber-1/4", orange-9/32", yel-low-5/16" ' green-11/32", red-3/8". One interchangeable large handle.
13 F 56195 Shpg. wt., 1 lb.
Net 2.39

## 9 PIECE COMPACT SCREWDRIVER SET


$2^{39}$

- With Interchangeable Large Handle
- Handy Form Fitted Case

Nine-plece screwdriver set with cotor coded plastic handies 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 F 55179 Shpg. wt., 1 ib Net 2.39

## 13 PIECE INTERCHANGEABLE

 SCREWDRIVER \& NUTDRIVER SET

- Precision Ground Drod-Forged Steel - Convenient Plastic Case

Set features one jumbo grip plastic handle and the following hardened, tempered, rust. proof interchangeable blades: 2 slotted screwdriver blades- $3 / 16^{*}, 1 / 4^{*} ;$. 2 Phillips screwdriver blades- $\$ 1, \pm 2 ; 7$ nutdrivers sires: $3 / 16^{\circ}, 7 / 32^{\prime \prime}, 1 / 4^{\prime \prime}, 9 / 32^{\prime \prime}, 5 / 16^{\prime \prime}$ 11/32", 3/8' Hex openings. $11 / 4^{\prime \prime}$ hole depth. One $4^{\text {u }}$ extension blade. Compact, sturdy case.
13 F 56187 Shpg. wt., $1 \mathrm{lb} . \ldots$ Net 4.50 NUT SPLITEER

## - Handy For Removing Frozen Nuts

- Easy to Use

Nut splitter, a handy, compact time-saver only $4 y /{ }^{-1}$ long, this tool will spilt nuts up to $7 / 8^{\sim}$ across flats. A few turns with any $3 / 4^{\text {" }}$ hand wrench cuts the nut for easy removal.
14 F 52069 Shpg. wt., $1 / 2 \mathrm{lb}$. $\qquad$ Net 4.95

Net 24.95


Madel SC-5 Screwdriver and Awl Sot. Five interchangeable blades complete with swivel top, knurled steet, chuch-type handle. Blades are $.100^{\circ} .080^{\circ}$, .070", .055" and 1 awl. For repairing radios, cameras, elec. tric razors, etc. With plastic case.
14 F 27012 Shpg. wt., 4 oz. ........Net 1.95

## PROFESSIONAL 6-PC. PRECISION SCREWDRIVER SET



- Hardened, Tempered, Rustproof Blades Perfect for the hobbyist, jewelry and elec. tronic trades. This precision 6 piece screwdriver set has sizes from $\# 1$ to $\# 6$, width of blades 0.8 .3 .8 Mm . All have inurled handles with swivel heads. Chrome plated brass handles with diameter of $3.5-8.0 \mathrm{MM}$. Blades are hardened, tempered and rust. proof for rugged use. Complete with handy plastic indexed case with hinged cover. imported.
13 F 56039 Shpg. wt., 3/4 lb. Net 2.29


Set consists of 1 plastic scremariver handle with aluminum chuct; 4 screwdriver Dlades $1 / 8 \times 41 / 4^{-}, 3 / 16 \times 436^{-}, 1 / 4 \times 5^{-}$ flat orlvers and one No. 1 Phillips blade); 8 open and box end wrenches $(13 / 64-7 / 32$ $7 / 32-15 / 64^{\prime \prime}, 15 / 64-1 / 4^{\prime \prime}, 1 / 4-9 / 32^{\prime \prime}, 5 / 16^{\prime}$ 11/16", $\left.9 / 32-5 / 32^{*}, 11 / 32-3 / 8^{\prime \prime}, 3 / 8-7 / 16^{\prime \prime}\right)_{;}$ 2 way flat ratchet handle; 2 -way flexible shaft extension; 2 -way $1 / 4^{-}$extension bar: 8 steel sockets $3 / 16,7 / 32,1 / 4,9 / 32,5 / 16$ $11 / 32,3 / 8,7 / 16$ ). All in a convenient roll pouch with poctet for each tool . Imported. 13 F 55338 Wt, $11 / 4$ lbs.

Net 2.29

# The Right Tools at the Right Price 


(A) POP RIVETOOL KIT

A professionat lool which joins virtually anything, metal to metal, plastic to wood fabric to fabric. Easy to aperate, just insert rivet into tool, place in pre-drilled hole and squeeze-you have a strong rivet joint "Pop"' rivets are strong, neat and perma nent. Ideal for hobbyists, electronics household and auto repalrs. Kit includes riveter, and supply of rivets of various sizes. Uses $1 / e^{\prime \prime}$ rivels. Shpg, wt., 2 lbs.
13 F 54018
Net 2.95
(B) DUAL RIVETOOL KIT Contains the new "Pop" rivetool with two interchangeable nosepieces to set $1 / 0^{\prime \prime}$ steel and aluminum and ks" aluminum "Pop" rivets. Includes $1 \mathrm{ha}^{\prime \prime}$ and $\mathrm{Kon}^{\prime \prime}$ rivets in as sorted lengths, backup plates, plus new threaded "Pop" rivets. Shpg. wt., $34 / 2$ lbs.

## 13 F 54083 RIVETS FOR ABOVE KITS

1/e" Rivets Steel Av. Shpg. wt., 3 oz.

| Stock No. | Qty. | Work Thickness | Ne |
| :---: | :---: | :---: | :---: |
| 13 F 54026 | 25 | 1/8" | . 49 |
| 13 F 54034 | 20 | 1/4" | 49 |
| 13 F 54042 | 15 | $1 / 2^{\prime \prime}$ | 49 |
| *." Rivets Aluminum |  |  |  |
| Stock No. | Oty. | Work Thickness | Net |
| 13 F 54091 | 15 | 1/4" | . 49 |
| 13 F 54109 | 12 | $1 / 2$ " | 49 |
| 13 F 54111 | 10 | $5 / 8{ }^{\prime \prime}$ | 49 |

## Back-Up (Meinforcing) Plates

| Stock No. | Qty. | Rivet Size | Net |
| :---: | :---: | :---: | :---: |
| 54059 | 40 | $4{ }^{\prime \prime}$ | . 49 |
| 13 F 54125 | 30 | Ko' $^{\prime \prime}$ | . 4 |

## POCXET MAGNET

An Alnico magnet useful for inspec. tlon of hardware to sort steel from
 brass, as a re. triever of small parts. Highly efficient size 1Hx $11 / \mathrm{sx} \%{ }^{*}$ " $0.1 / 4$ " between poles. With plated keeper. Shipg. wt., 3 oz.
14 F 33036 Imported from England.. Net . 99

## POWER MARNET

 Maide of Alcomaxa materlal with 12 times the magnetic energy of tungsten steel. Designed for efficient performance/welght ratio- will lift up to 50
times its own weight. Horseshoe shape with plated keeper. Ideal for such applications as magnetic clutch, work holding, efc. Size $11 / 8 \mathrm{Hx} 11 / 6 \mathrm{Dx} 1^{3} / 4^{\mathrm{N}} \mathrm{W}$. Distance between poles is $7 \mathrm{~B}^{\prime \prime}$. Imported from England. 14 F 33028 Shpg. Wt.. $1 / 2 \mathrm{lb}$........Net 3.29

## BUTTON MAGNETS

A special "Alni
co" button care. fully designed to produce a highly
 efficient mag. netic field. Attachable to any non-ferrous material by non-magnetic screws. Ideal for use most everywhere as magnetic fasteners. Supplied with plated keeper. Imported from England. Avg. shpg. wt., 3.02.

| STOCK N0. | HEIGNT | B1A. | MTG. HOLE DIA. | NEI <br> EA. |
| :---: | :---: | :---: | :---: | :---: |
| 14 F 33053 | 1/8" | 1/2" | "\%" | . 59 |
| 14 F 33101 | $1 / 2{ }^{\prime \prime}$ | $3 / 4^{\prime \prime}$ | \%" | . 89 |
| 14 F 33119 | $5 / 8{ }^{\circ}$ | $1{ }^{\prime \prime}$ | Y1" | 1.29 |

CLAW HAMMER WITH FIBERGLASS
HANDLE

Drop Forged 16 oz. hammer with head permanently wedged by special plastic bonding process. Polished and perlectly balanced head
13 F 56096 Shpg. wt., 2 lbs.
Net 3.19


A quality cutter for copper, brass, or aluminum tubing. Up to $1^{m}$ capacity. Alloy steel cutting wheel; slide-lock reamer. Ideal for light plumbing. etc. Imported. Shpg. wt., 9 ${ }^{13}$ F 55403

Net .99

## SAFETY $99^{\circ}$

SAFETY EYE GUARD

Made in USA. Meets Fed Spec. for impact and piercing. Optically clear plastic. Nonfogging. Weli ventilated. Undistorted vision. Fits any size corrective eyeglasses. Shpg. wt, 5 o2s.

Net 99

## FILTER MASK



Muiti-purpose filter mask comes complete with 3 latex and 3 gauze filters Protects nose and throat from dust during sanding, boat scraping, grinding and plant of garden spraying. Pliable mask molds to all facial contours. All filters are replaceable. Shpg. wt. 3 ozs.

## 13 F 55981 <br> Net .99

REVOLVINGLEATHERPUNCH


Has 6 standard punching lubes. Made of long-lasting tempered steel. Imported.
14 f 61144 shpg. wt., 13025
Net 1.59

## WORK BENCH MAGNIFIER <br> 



Handy $3^{*}$ diameter magnifying glass with a flexible shaft and an attractive metal base. ideal for hobbyists or students. Imported. Shpg. wt., 1/2 lb.

## 13 F 55973

SELF LOCKING HASP-LOC


Self contalined; no need to purchase a separate padtock No keys required to lock; heys used for opening only. Heavy duty and rust proof. Size $41 / 2^{* \prime}$ with 2 keys
13 F 75054 Shpg. wt., 1 to Net 2.75

POW-O-MATIC STEEL TAPE


- Push Button $3 / 4 \mathrm{In} . \times 12 \mathrm{Ft}$.


Power push-button 12 ' yellow steel measuring tape. Easy to read, red and black. Ft., and inch markings. $\mathrm{Ko}^{\text {" }}$ and $1 / \mathrm{o}^{\text {" graduations, }}$ with zip belt clip.
14 F 16056 Shpg. wt., $1 / 4 \mathrm{lbs}$. .... Net 2.50


Made of high grade chrome plated tool steel. Malleable clamp. Rapid opening hinge for swivel corie yoke. Sizes: $3 / 16^{\prime \prime}, 1 / 4^{\prime \prime}$, $5 / 16^{*} 3 / 8^{*}, 1 / 2^{\mu}$ and 5/8* 0.D. Shpg wt $12 / 2$ los.
13 F 55395
Net 1.59

## AUTOMATIC CENTER PUNCH

Speedy, automatic, and adjustable - a singlehand operated punch gives light or heavy impressions with just the turn of a screw. Spring pressure adjusts from 5.30 lbs. Imported from England. Shpg. wt.. $80 z$.

## 4 F 33200

## 18-PC. HEX KEY WRENCH SET $79^{c}$



9 short arm wrenches from .050 through $1 / a^{\prime \prime}$, and 9 long arm wrenches $K_{0}^{\prime \prime \prime}$ through \#8". Quality tool steel. Bright plated-in plastic roll up kit. Imported.
14 F 76019 Shpg. wt.. $1 \mathrm{lb} . \ldots . . . . . .$. Met .79

## ELECTRIC-MATE <br> POCKET KNIFE

For handymen and elect
ricians. Two-blade knife with safety lock. Features 2 knife, wire scraper and screwdrlver. Non slip handle. overall size: $31 / 2^{\prime \prime}$. With belt loop.
14F16510 ... Net 1.59


11 steel blades, spoon, fork, $31 / 2^{\prime \prime}$ saw, $31 / 2^{\prime \prime}$ tnife, pruning knife, sclssors, can opener, bottle opener, corkscrew, screwdriver, file, scraper. Leather sheath. Imported.
13 F 55064 Shpg. wt., I Ib.
Net 1.99

## SECURITY <br> TRAVEL LOCK <br> $2^{95}$

For salesmen, and travelers whenever portable lock is needed. Fits doors, cabinets without nermanent installations or tools Stalnless bar and chrome finish.
14F44512 Shpr. wt., 1/4 lb.
Net 2.95
385

## High Quality Drop-Forged Steel Socket Sets



17 PIECE $1 / 4^{\prime \prime}$ DRIVE SOCKET SET Heavily chrome plated socket set. Con-

 Plus $2^{\prime \prime}$ extension, $6^{\prime \prime}$ extension, $51 / 4^{\prime \prime}$ flex handle, $41 / 2^{\prime \prime}$ crossbar, $51 / 2^{\prime \prime}$ reversible ratch. et. Each set packed in heavy gauge lacquered metal box. Imported. Shpg. wt., $21 / 4 \mathrm{lbs}$.
13 F 55643

- CHROME PLATED


## 21 PIECE $3 / 8^{\prime \prime}$ DRIVE SOCKET SET

 Precision quality socket set. Contains: 12 PI . $3 / 4^{\prime \prime}$. 12 Pt . deep socket sizes: $3 \mathrm{~m}^{\prime \prime}$, $3 \mathrm{Kom}^{\prime \prime}, 1 / \mathrm{m}^{2}$
 $9^{\prime \prime \prime}$ flex handle, $6^{\circ " \prime}$ crossbar, universal joint, $8^{\prime \prime}$ reversible ratchet. Packed in heavy gauge red lacquered metal box with handle. Imported. Shpg. wi., 6y/4 lbs.
13 F 55650


Mandy socket set for foreign car and motor. cycle mechanic. Includes 7 mm , socket slzes $-9,10,11,12,14,17$ and $19 \mathrm{~mm} 3^{\prime \prime}$ extension; 71/2" reversible ratchet; and "130" spark plug socket (with neoprene insert). In heavy gauge, red lacquered metal storage box with molded inlay. Imported. Shpe. wt., $31 / 4 \mathrm{lbs}$.

## REVERSIBLE RATCHETS

As Low As


Professional Quality. Highly chrome plated. Imported. Shpg. wt., 1 to.
 13 F $555931 / z^{\prime \prime}$ drive; $10^{\prime \prime}$ length...Net 4.19
13/16" SPARK PLUG SETS

## ${ }^{\text {Only }}$

A professional quality spark plug sockel of chrome plated drop forged steel with neoprene insert. \%" drlve; shpg. wt. $1 / 2 \mathrm{lb}$.
13 F55619 .................................. 99
$1 / 2$ " drive; shpg. wt., $1 / 2 \mathrm{lb}$.
13 F 55627

Contains: $1 / 4^{\prime \prime}$ drive. 6 P1. socket sizes: $3 / 16^{\prime \prime}, 7 / 32^{\prime \prime}, 1 / 4^{*}, 9 / 32^{*}, 5 / 16^{\prime \prime}, 11 / 32^{\prime \prime}$ $3 / 8^{*}, 7 / 16^{* \prime}, 1 / 2^{-}, 11 / 16^{*}$, $3 / 4^{*}$, ' $1^{\text {w }}$. Plus: $3 / 8$ "' drive. ' $8^{\prime \prime}$ reversible ratchét, spinner handle, $3^{3 "}$ extension, $6^{n}$ extension, $3 / 8^{\circ}$ Drive: ${ }^{12}$ Pt. socket sizes: $9 / 16^{\prime \prime}, 5 / 8^{\circ}$, 13/16" spark plug socket (with neoprene insert,) adaptor; $3 / 8^{-5}$ to $1 / 4^{*}$ drive. In metal box. Imported. Shpg. wt., $33 / 4 \mathrm{lbs}$.
13 F 55505

Het $9.95 \quad 13$ F 36054
WRENCHES

## PROFESSIONAL TORQUE WRENCHES

## As Low As $10^{95}$

Chrome plated $1 / 2^{\prime \prime}$ drive square with accurate pointer indicating torque applied in either direction in ft/lbs, Direct reading scale callbrated to measure standards traceable to the National Bureau of Standards. Overall length $2042^{\prime \prime}$. Scale graduated in $5 \mathrm{ft} / \mathrm{lb}$, steps. $0.100 \mathrm{ft} / \mathrm{lb}$. Popular model for auto work. For normal auto mainten. ance. Shpg. wt., $12 / 2 \mathrm{lbs}$.
13 F 01415
Net 10.95
$0-150 \mathrm{ft/b}$. unit for larger displacement engines, trucks, etc.
13 F 01423 Shpg. wt., $22 / 2 \mathrm{lbs}$.
Net 12.95

## 11 PIECE COMBINATION WRENCH SET

- Full Professional Size
- Handy Vinyl Roll-Up Kit


11 Piece Combination Box and Open End Wrench Kit. Drop forged alloy steel with bright chrome plated finish. Sizes: $3 /{ }^{\circ \prime}, K_{0}{ }^{\prime \prime}, 2 / 2^{\prime \prime}$,
 to $13^{\prime \prime}$ long. Shpg. wt., $533^{\prime}$ lbs.

Net 10.95


5-PIECE DOUBLE END WRENCH SETS

- Mirror Finish
- High Quality
- Drop Forged Alloy Steel

5-Plece Open-End Wrench $\$ \mathrm{et}$. Made of the drop forged shoy steet. both epenings and hody of wrench have burror fimah. Slats: $5 / 16^{\circ}$ \& $11 / 32^{\circ}, 3 / 8^{-}$, $7 / 16^{\circ}, 1 / 2^{\prime}$ ․ $9 / 16^{\circ}, 19 / 32^{\circ}$ y $11 / 16^{\prime \prime}, 5 / 8^{\circ}$. $3 / 4^{\prime \prime}$. Complete with metal clip. Shpg, wt. $11 / 4 \mathrm{lbs}$.
13 F 55865 Fis. $A$
Net 2.29
5-Piece Open. End Metrit Wrench Sel. Same quality as above. Sizes 8 mm thru 17 mm . Shpg. wt., $11 / 4$ tbs.
13 F 56146 Fig.
Net 2.99
5-Piece Combinatlon Set. Open-end and box end openings in same wrench, Same quality as above. Ends offset. Size $3 / 8^{\prime \prime}, 7 / 16^{\prime \prime}, 1 / 2^{\prime \prime}$, $9 / 16^{\prime \prime}$ and $5 / 8^{\prime \prime}, 11 / 16^{\prime \prime}$ and $3 / 4^{\prime \prime}$. Shpg. wh., 1 Ib.
13 F 55874 Fis. 8
Net 2.24


Top quality dropped forged alloy steel. Mirror finish. Sizes: $3 / 8 x / h_{0}$ ",
 $51 / 2^{\prime \prime}$ to $113 \mathrm{~h}^{\prime \prime}$. With metal retaining clip. Shpg. Wt., $21 / 4 \mathrm{tbs}$. 13 F551B1

# Tools and Tool Boxes 



Prolessional quality tool box...stores, protects precision tools. Ideal for machinists, electronics and automative Pepairmen. Double cover swings out fulty exposing four easy-glide cantilever trays for easy access to each compartment. Bottom compartment is completely exposed and large enough to store most bulky tools. Entire box is made of prime quallty, extra-heavy gauge steel. Also has two heavy-duty round handles running along the entire length of the box and padiock eyes for loching. Handsome balied blue ename finish. Over-all size: $17{ }^{\prime \prime} \mathrm{L} \times 8^{\prime \prime W} \times 81 /{ }^{\prime \prime} \mathrm{H}$. Shpg. wt.. 13 ibs . 13 F 56104 W

## HIP-ROOF TOOL BOX

## With Lift-Out Tray

Long lasting, electrically welded heavy gauge steel construction with fullirength hinge. Perfect for the homeowner, mechanic. or handyman. Plated handle will not break or puil out. Lift-out fray for smalter tools. Large storage area for bigger tools. $19 L \times 7 W x 71 / /^{\prime \prime}$. Shpg wt. 6 lbs.

## 13 F 42500 w

Het 4.50


## STEEL TOOL AND UTILITY BOX

13y/2" long tool box. Cantiliever tray with four compartments. Room enough for soldering lron, pllers, screw divers. wrenches, etc. Pushbutton catch witu hasp for lock. Full grip handle. Baked enamel finish in glossy green. $131 / 2 \mathrm{Lx}$ $61 / 2 W \times 55^{\prime \prime}$. Shpg. wt., 4 lbs. <br> \section*{14 F 86067 Nel 2.59 <br> \section*{14 F 86067 Nel 2.59 <br> MINIATURE IMPROVED HOIST}

- Completely Assembled


## - 2000 lb. Capacity

Simple, reliable hoist enables you to uft as much as 2000 ids.. yet, weighs only $11 / 2$ lbs! Ideal for hunters to hoist heavy game for cleaning, or boat owners to mount outboard engines with ease: can also be used to stretch a chain link fence. Has rust resistant cadmium plated housings heavy duty welded ring, double grip salety hooks, nylon roilers, and locking device to eliminate slack. Includes high tensile-strength 65' nylon rope for long life. Shpg. wt., 2 ibs. 13 F 19060


## MaCD <br> 81/2" PLIERENCH MULTI-PURPOSE TOOL

- Grips Any Surface Round - Hex Square
- 10-1 Gear Ratio


Versatlle multi-purpose tool can be used as a socket, angle, pipe, or loct ratchet wrench; pliers, wirecutter, portable clamp or vice. smooth parallel iaws grip any surface, round, hex, or square without marring surface. 10.1 gear ralio provides up to 1 -ton of gripping marring surface. 10.1 gear ralio provides up to pressure. Forged steel construction with comiort-grip insulated fiandles.

Net 6.35

## HEAVY DUTY MACHINIST'S CHESTS

- Electrically Weided Heavy Duty Steel
- Ten Felt-Lined Drawers
- Pin-Tumbler Chest Lock


## AS LOW AS

10 Drawer Machinist Chest with 10 felt Ilned drawers for storage and protection of tools. Rugged construction with intregal full length hinges, and full suspen-
sion drawer slldes for full extension of each drawer. Removable front panel locks when cover is closed and stores below drawers in a fitted campartment when open, Overall size: $84 / 2 \times 174 / 2 \times 20^{\circ \prime}$. Tilt in top $81 / 2 \times 4 \times 20^{\prime \prime}$. 6 drawers $74 / 2 \times 1 \times 8^{3} 7 b^{\prime \prime}$. Others $71 / 2 \times 2 \times 8^{8} / \mathrm{s}^{\prime \prime}, 71 / 2 \times 11 / 2 x$ $181 / 4=71 / 2 \times 2 \% \times 184 / 4$ ", $71 / 2 \times 3 \times 181 / 4^{\prime \prime}$. Shpg. wt., 38 lbs. 13 F 19540w No Money Down

Net 39.95
7 Drawer Machinist Chest. Same as above except has 7 drawers. Overall size: $81 / 2 \times 134 / 4 \times 20^{\circ}$. Tilt in top $81 / 2 \times 4 \times 20^{\circ}$. A drawers $71 / 2 x$
 wt., 30 lbs.
13 F 19524 w No Money Down*
Net 29.95

## 3 DRAWER TOOL CHEST <br> Ondy $14^{95}$

an all purpose ruggedly constructed 3 drawer carrying type chest. Drawers have full suspension slides. Drawers may be locked in place even if cover is closed. Features electrically welded heavy gauge steel and baked enamel silicone treated finish. Dimensions: Box $81 / 2^{\prime \prime} \mathrm{Ox} 101 / 4^{" \mathrm{H} x} 20^{\prime \prime}$ long:
 3 drawers - $71 / 20 \times 11 / 2 \mathrm{H} \times 181 / 4{ }^{\prime \prime}$ L. Shpg. wt., $81 / 2 \mathrm{lbs}$.

## 13 F 19500 w <br> SELF ADJUSTING AUTOMATIC WRENCH <br> - Automatically Adjusts and Locks

On Pipe; Allows 1-Hand Operation


Fully drop forged steel. Slim design lets you work easily In hard to reach spots. Designed with an easy action flozting head. Highly chrome plated. rust-resistant finish. Imported.

| \$fecil No. | Size | Max. Jaw Open. | Stape. Mt | Net |
| :---: | :---: | :---: | :---: | :---: |
| 13 F 58013 | $6^{\circ}$ | $1{ }^{\circ}$ | 1/2 db. | 1.65 |
| 13 F 55441 | $8^{\prime \prime}$ | 11/2" | 10 cr . | 1.99 |
| 13 F55039 | 10" | 2"* | 1 lo . | 2.79 3.49 |
| 13 F 56021 | 12* | 21/2 | 11/4 lb. | 3.49 |

## ADJUSTABLE END WRENCHES

Fully Drop Forged
AS LOW AS


Mdjusts Jaws with a flich of your thumb . . . oveisized knurl speeds opening and closing. Entire wrench is made of drop forged steel and fully pollshed. Thin head gets into tight places easily. Extra Ioni for better leverage.

| Stock Me. | Size | Mex. Jaw open. | Shpe Wh. | Hot |
| :---: | :---: | :---: | :---: | :---: |
| 13 Estise | $8^{\circ}$ | $3 / 4^{\circ}$ | $80 \%$ | 1.65 |
| 13 \| 53676 | $8^{\prime \prime}$ | ${ }^{\circ}$ | 1132. | 2.29 |
| 13 F 55804 | $10^{\prime \prime}$ | 114 176 | $14 / \mathrm{lb}$. 2 lis. | 3.69 |

# Work Benches-Shelves-Insect Killers 

 STEEL UNITS

Garage


- Playroom
- Attic
- Basement



## STEEL FRAME WORK BENCH

 Includes Tool Rack, Peg Board Back Panel and Bottom ShelfA new all-steel frame work bench that is the ultimate in convenience and serviceabllity. The rigid. all steel frame is the core of this complete workshop that will last for years. Features a big $24 \times 48^{\circ \prime}$ work top of special. heavy.duty, compressed, high: impact board to withstand the roughest use. Matching bottom shelf offers handy storage space. Convenient tool rack with peg board back panel. Base on each leg gives extra support and can be bolted down if desired on each leg semble. $341 / 2^{\prime \prime}$ high. (Tools not included.) Shog desired. Easy-to-assemble. $341 / 2^{\prime \prime}$
13 F 35041 WX

Net 19.95

## ALL-PURPOSE BENCH FRAME

it's easy to make a bench for every purpose -in the garage, store. house. laundry room, playroom, etc. Heavy gauge steel, completely pre-drilled, ready-to-assembie-just add the top. For larger benches. combine 2 of more, Overall: $221 / 2 \pi 471 / 2 \times 34^{\prime \prime}$ high. Shpg. wt, $191 / 2 \mathrm{lbs}$ 13 F 35017 W
TOOL RACK. Prepunched to Net 5.95 rool RaCK. Prepunched to fit frame. $46^{\prime \prime}$. $41 / 2^{2} \mathrm{H}$.
13 F 35025w Shpg. wt., 2 lbs. Net 2.19
"ADD-A-DRAWER"


In only seconds you get a permanent drawer under any flat surface-table, bench, cabinet shelf, desk, etc. Completely as-sembled-comes with 2 orackets and 4 screws for easy in. stallation. All-steel drawer with handy knob. Gray-can be repainted any color of your choice. Drawer size: $12 \times 12 \times 31 / 2^{2}$. Shps. wt. 4 lbs.
13 F 36023


## TOOL-MATE

- 4 Dust-Free Drawers

The perfect portable tool or ganizer for the handyman or hobbyist...a workshop at your fingertips! Tool-mate keeps hand tools and small parts handy and organized. 39 different tool slots; jumbo storage wells for large tools; and dust-free drawers for small parts. Everything is stored in an up-right, easy-touse, easy-to-find position. Minutes to assemble...no tonls needed. Size: $11112 \mathrm{H} \times 14 \mathrm{~L} \times$ 7 "W. Shpg, wt., 2 lbs.
13 F 76243 W
Net 3.49
Net 1.79

## Hirsh

- Braced on Back \& Sides
- Heavy Angle Posts

As Low As

For stores, offices, garages, basements, panyries, closets-just what you need to solve your storage roblems, you'll find dozens of uses for these rugged racks. Available in two sizes to fit virtually anywhere-30W $x$ $120 \times 60^{\circ} \mathrm{H}$ with 4 shelves, or $36 \mathrm{w} \times 120 \times$ $72^{\prime \prime} \mathrm{H}$ with 5 shelves. Corner post and all edges are rounded and snag-proof with back and side braces providing added strength and rigidity. Charcoal tone finish. Shipped unassembled with protective floor guards and all necessary hardware for fast easy as sembly.
4.Shelf Unit Size: $12 \times 30 \times 60^{\prime \prime}$.

13 F 23070 W Shpg. wt., 19 lbs.
Net 6.95
5. Shelf Unit Size: $12 \times 36 \times 72^{\prime \prime}$.

13 F 23088wx Shpg. wt., 26 lbs.
Net 8.95
Extra Shelves For Above
$12 \times 30^{\circ}$ Shelf. Shpg. WI., $31 / 2 \mathrm{lbs}$. 13 F23096W

Net 1.69 $12 \times 36^{\circ}$ Shelf. Shpg. wt., 4 lbs.
13 F 23104 w

## DELUXE STEEL Shelves



- Combines Strength and Beauty - Unlimited Arrangements For All Storage Needs

6 shelf units ideal for offices, garages. stores-anyplace where both strength and beauty dictate your storage needs. Completely new design eliminates unsightiy boft holes and gives a clean modern appearance. New principle of post and sheff attachment provides extra rigidity and does away with unattractive crisscross bracing. Units have spilt posts to permit assembly at full or half height in unlimited arrangements to meet every storage and space requirement. Baked enamet yellow shelves, Walnut wood grain posts, $72^{\prime \prime} \mathrm{H} \times 36^{\prime} \mathrm{W}$.
13 F 18534 wx $12^{\prime \prime \prime}$ deep, wt. 24 lbs. Net 10.95
13 F 18542 WX $18^{\prime \prime}$ deep, wt. 35 lbs. Net 13.95

## Sprayers for Handyman-Professional-Hobhyist

## HEAVY DUTY HANDYMAN SPRAYER

## $34^{55}$

- Designed for Home Owner or Hobbyist - Integral Compressor Motor
- Sprạy Oils, Paints. Insecticides, Liquid Wax
Economy priced portable sprayer designed for the homeowner and hobbyist Preclsion engineered throughout to sive professional houls. compact liphtweight versatile... perfect for those dozens of small jobs around the house, wherever and whenever spraying is needed. The spray gun easily handles paimt and other types of sprayable material. Sprayer unit features an interral mix spray sun, adjustable spray pattern, quart aluminum canlster with delrin thread insert to prevent fouling and $8^{\circ}$ air hose. Easy to operate, just plog in any 115 v . outlet. Air delivery $1.5-2 \mathrm{CFM}$ at $15-20 \mathrm{PSI}$. 7 ft . power cord. Shpg. wh., 16 yos

14. 67539 No Money Down

Net 34.95
PROFESSIONAL TYPE SPRAY UNIT


- Delivers A Big 2.3 CFM at 40 PSI
- Heavy Duty $1 / 3$ H.P. Integrally Designed Motor
- For Home, Commercial, Farm, and Professional Use

Streamilined compact $\mathbf{1 / 3}$ H.P. paint/insecticide sprayer safely shrouded in fiberglass. All aluminum ollless diaphragm-type com. pressor has fan cooled motor, sealed roller bearings, and satety valve. Delfers 2.3 CFM at 40 PSI. Gun features bleeder type spray, pressure stohon feed, Internal/external mix, full 1 quart capacity and all aluminum body. Steel needle and fluid tip equipped with $1 / 4^{\prime}$ NPT air inlet and $3 / 8^{\circ}$ NPT fluid inlet. Supplied with $15{ }^{\circ}$ section delure braided hose equipped with $1 / 4$ - NPT female coupl. section deluxe braided hose equipped wanently lubricated for long

SFRAYIT
PRESSURE FLOW PAINT ROLLER KIT

Saves time and steps. Bolts to any standard 1 galion can. Has 15 ft. supply hose for easy reach. Use with sprayit compressor above and models 254 400, 600,720818 or any compressor with range from t. 10 or any compressor with range trom. 3 cfmat at 40 psi. Shpg. WI., $84 / 4$ ibs.

14F 84096
Net 21.95
$3 / \mathbf{4}^{\text { }}$ Hi-Pile Rolter for rough surfaces
Rolie wh s oz sur Net 3.69 3/8* Pile Roller for smooth surfaces. 14 Fe4112 Shpg. wt., 5 or. ._._Nel 2.65
trouble free service. Shpg. wt., 33 lbs. trouble free service. 67547 No Money Down.

Net 66.55

\author{

- No Dip-No Drip-Feed Paint Directly From Can to Roller
}

14 Felliz Shpg. wt., 5 oz.


Only
95

- See Page 11 for Full Credit Details on Easy Pay Plan
- Tire inflation Spray PaintingOperating Air Tools, etc.



# 1/2 H.P. <br> $119^{95}$ <br> 3/4 H.P. <br> $139^{95}$ $199^{95}$ 

SHIPPED PREPAID FROM FACTORY WITHIN CONTINENTAL UNITEO STATES-NO C.O.D.
SENO FULL REMITTANCE OR USE LAFAVETIE'S EASY PAY PLAM
1/2 H.P. SINGLE CYLINDER-Displaces 3.2 CFM All purpose $1 / 2$ H.P. portable elactric sprayer for use in your home, garden, workshop or garage. Great for spraying insecticides, moth proofing, fumigating 25 well as painting. Cylinder has $23 / 4$ bore $x$ $11 / 2^{-}$stroke, aluminum head, Swedish steel valves and Torrington neecle roller bearings. Delivers 2.0 CFM at 40 PSI and $1: 4 \mathrm{CFM}$ 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 mas adjustable spray controls and regulator with gauge. Other features Include: safety valve, reserve reuse, shut-off. Fan type flywheel. 15' hose assembly and $8^{\prime \prime}$ wheels for easy mobliity. For 117 VAC 60 Mz.
14167505 w W Shpg. wt., 95 its. $\qquad$ Net 119.95

## 3/4 H.P. SINGLE CYLINDER-Displaces 3.7 CFM

Similar to above but with incressed air delivery ( 2.4 CFM at 40 PSI . 1.7 CFM at 100 PSI) and 12 gallon réserve tank.

14 E 67513 wxz Snps. wt., 97 lbs. $\qquad$ Net 139.5

## 1 H.P. TWO CYLINDER-Displaces 8.2 CFM

Similar to above but with lagger $2^{* *}$ stroke for more alr (6.1 CFM at 40 PSI, 5.1 CFM at 100 PSI ), 15 gallon reserve tank for reduced air supply pulsation and bigger $10^{\circ}$ wheels for greater mobility over lawns as well as indoors. Reserve tank pressure adjusted to 80 PSI compressor restart.
compressor restant. wit., 165 lbs .
Net 199.95

## HOBBY \& TOUCH-UP AIR BRUSH

## Only <br> 595

Complete with:
Alr Brush, 5 M. vinyl Hose, Alr Valve, Mixing Jar. Instruction Folder and Plastic Case


Ideal for making patterns, designs, especially where a soft edge is needed for blenting such as or chipped fumiture and refrigerators, of touching rust spots on cars. Colors can be used mixed or of traight. Adjustable for fine or heavy spray. Air-brush and valve straight. Adjustable high impaci deirin with metal control and paint tipa All materials resist solvents and paint chemicals. Complete with Aerosol Power Pack, Mixing lar and Case. Shpg. wt., 2 bs. 13 F 45511
Replacement Aerosol Power Pack. Shpg. wt., 1 th.
13 F 45529

PORTABLE POWER GENERATOR WITH PERMANENT MAGNET ALTERNATOR


- Produces 115 Volts AC - 3 H.P. Lauson Engine
- Choice of 1000 Watt or 1250 Watt Models -Continuous Duty


## $194^{95}$

No Money Down* A compact, portable electric power plant for on-the-spot electricity anytime, anywhere. Features a permanent magnet alternator that gives you more power and trouble.free operation - no brushes, armature windings, belts, slip rings or commutators. Dependable Lauson 3 H.P., 4 cycle engine gives easy-to-start, qt. capacity fuel-tank. Standard equipment includes: wisual. $11 / 2$ gauge, visual oil level indicator, Duplex receptacles: visual fuel absorbing feet, recoil starter and Duplex receptacle, rubber shock pact. 115 VAC.
Stock No.

| Stock No. | Continuous Duty | Shpg.wt. | Nef |
| :--- | :---: | :---: | :---: |
| $13 F 49018 \mathrm{WX}$ | 1000 Watts | 64 Jbs | 194.95 |
| 13 F 49026 WX | 1250 Watts | 70 lbs. | 209.95 |

## SUBMERSIBLE POW-R-PAK PUMPS



- Corrosion Resistant
- Hermetically Sealed Motor
- For Circulating And Dispensing Water

All-new Pow-R-Pak trouble free pumps for underwater use. Cir. culates and dispenses water and mild acid solutions for fountains, beverage dispensers, aquariums, photo developing, air condlitioning, etc. Permalubed. Corrosion resistant stainless steel and plastic unit. Overload protectign, threaded inlet and oullet. Outlet: E-200 has $1 / 4^{\prime \prime}$ std. pipe thread, E-400, 7.00 has $3 / 8^{\circ \prime}$ std. pipe thread. Comes with 6 ft . cord. For 110 Volts, 60 Hz . AC. Average sire: $25 \% \times 4 \times 4^{=}$.

| Stock No. | Model | Cals. per Mr. At |  |  | Max. | Amps | Shpg. wt. Lbs. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1 Ft . | 3 Ft . | 6 Ft . |  |  |  |  |
| 13 F 89048 | E. 200 | 220 | 155 |  |  |  |  |  |
| 13 F 89055 | E. 400 | 400 | 320 | 220 | 12. | . 91 |  |  |
| 13 F 89063 | $E .700$ | 700 | 540 | 430 | 13. | 1.9 | $31 / 2$ | $\begin{aligned} & 15.95 \\ & 25.95 \end{aligned}$ |



1300 GPH SUBMERSIBLE PUMP

- Standard Hose Connection Outlet
- Operates at Depths up to 40 ft . Double Epoxy Coating Will not Corrode Heavy-duty sump pump or basement bailer. Has long Hie carbon ceramic seal, thermo-overload protection, and leaf strainer. Standard garden hose outlet. $3 / 4^{\prime \prime}$ std. pipe thread inlet. Ideal for many underwater applications, such as in pools, fountalins, etc. Pumps gal-
 15 ft ., 300 @ 25 ft . Shut off @ 40 ft .4 .5 amps load. $43 / 4 \mathrm{Hx} 7{ }^{\circ} \mathrm{D}$ D.
110 V 60 cy . AC. With cord. Shpg. wt., 7 lbs .

13 F 89030
Net 44.95

## MINIATURE PUMP AND MOTOR

- Powerful-Raises Liquid up to 12 Feet
- High Capacity-1 1/2 Gallons per Minute
- Waterproof, Lightweight


## Construction

- Industrial Quality 49


A motorized, miniature pump for the hobbyist and "Do-It-Yourselfer." Pumps Ilquids from container to container at the rate of up to $11 / 2$ gallons per minute and ralses liquids up to 12 feet. Ideal for fountains, water house plants, aquariums, science projects, water. falls, etc. Pumps water, chemicals, vlscous liquids. Requires just 3 to 12 volts DC. Shpg. wt., 4 oz.

## TINY TIGER "HUSH TONE" PORTABLE GENERATOR



Model 67-Lightweight, rugged metal construction! Features a 1 hp , 2 cycle Ohlsson \& Rice air cooled engine with a high capacity mag. neto ignition. 6 pint, premixed ( 24 parts gas-1 part oli) fuel capac ity allows operation at full power $(6,300 \mathrm{pm})$ for $21 / 2$ hours. Also features built in quietness with a larger "Hush Tone ${ }^{21 / 2}$ spark arrester muffler. Dual voltage, direct drive Tiny Tiger generator produces up to 350 watts of 115 V ., AC , and 12 amps of 12 V ., $D C$ simultaneousiy for charging auto batteries or starting cars, boats and trucks. Con stant voltage within 110.120 volts with an automatic overioad relief system. Light enough to carry anywhere ( 14 lbs .)...small enough to carry in one hand $\left(81 / 2^{\prime \prime} \mathrm{H} \times 81 / 2^{\prime \prime} \mathrm{W} \times 1 \mathrm{~V} / \mathrm{m}^{\prime \prime \mathrm{L} .)}\right.$ ) Shpg. wt., 15 lbs . to carry in one hand ( $81 / 2^{\prime \prime} \mathrm{H} \times 81 / 2^{\prime \prime} \mathrm{W} \times 101 / 4{ }^{\prime \prime} \mathrm{L}$.) Shpg. wt., $161 / 2 \mathrm{lbs}$ 12 F 35522 No Money Down*

Net 114.95 HANDY CARRYING CASE
12 F 35514 Shpg. wt., 6 lbs
Net 10.95
12 VOLT DC SUBMERSIBLE PUMP


## Only <br> $13^{95}$

- Operates In Any

Position-
Submerged or in Open Air When Primed - Ideal For Marine Use Small enough to fit under marine engine stringers and duckboards. recreational vehicles and mobile homes. Pump delivers up to 400 gal. $/ \mathrm{hr}$. (direct discharge) or pumps to 11 ' heights. Liffs water more than $6^{\prime}$ below when primed. Draws 1.5 amp . at 12 volts. Port Connectons: Belge inlet plate and strainer, and $1 / 2^{\prime \prime}$ female pipe threaded
inlet plate. Outlet is $3 / \mathrm{m}^{\prime \prime}$ N.P.T. male and will accept $s^{\prime \prime}$. infet plate. Outlet is $3 /{ }^{\prime \prime}$ N.P.T. male and will accept $5 / \mathrm{m}^{\prime \prime} 1 . D$. hose. Stainless steel shaft and high impact cycolac case. Size: $21 / 8 \mathrm{x} \times \mathrm{2}^{21 / 8}$
$\times 512^{\prime \prime}$. 13 F 89071 Shpg. wt., $11 / 4$ lbs.

Net 13.95


WATERFALL KIT
ony $17^{95}$

Enchancing waterfall of cascading water constantly recirculated by electric pump. Gallons per hour dellvery: 180 @ 1 ft ., 140 @ 3 ft . 100 @ 5 ft .; shut off @ 10 ft . Outlet Kı"; incet $1 / 2^{\prime \prime}$ pipe 0.D. Load: amps. 65 ; watts 43 . No concrete needed; complete with instructions. Kit consists of pump, $8-\mathrm{ft}$. plastic hose, 7 ft . sealing poly, pump
filter. Shpg wt., $61 / 4 \mathrm{lbs}$.
13 F 89022
Net 17.95
WATER FLOW METER


- Automatic Shut.Off For Any Sprinkler
- Non Corroding
- Up to 750 Gallons Per Setting

Set it, then forgef it. The automatic water meter does the rest, shutting off automatically when sprinkling Is completed. Set dial for the degree of sprinkiling needed up to 750 gallons. Qulckly attached to any standard faucet or sprinkler. Non-corroding heavy duty zinc construction gives years of dependable service. Size: $7 \times 9 \times 31 / 2^{\prime \prime}$. 12 F 78001 Shpg. wt., $13 / 4$ lbs.

Net 5.50

# "DO-IT-YOURSELF" Auto Accessories мотовоLA <br> <br> ELECTRONIC SPEED CONTROL 

 <br> <br> ELECTRONIC SPEED CONTROL}

## ELECTRONIC ALTERNATOR SYSTEMS WITH TRANSISTORIZED VOLTAGE REGULATOR

## as low as <br> $56^{95}$

- For Automotive, Truck Industrial and Farm Equipment

EASY 10 INSTALL

## ONLY <br> $21^{50}$




- Maintains Any Selected Highway Speed
- Does Not Affect Braking or Instant Acceleration
- Helps Adhere To Posted Speed Limits
- Sets Fast Idle for Cuick Cold-Weather Warm.Up

Low cost solution to the heavy demands made on your car or truck's electrical system. Unlike D.C. generators, it supplies a charge at idle speeds and keeps the Dattery at a uniform high level of charge. The all-transistor voltage regulator has no contact points or mechanical relays. Fits nearly all cars and trucks and is less than half the size and weight of a similar capacity D.C. generator. Shpg. wt., 15 lbs .
11 F 75017 35-Amp 11 F 75025 40-Amp 11F75033 55.Amp

Net 56.95
Net 60.75
Net 63.95

## LAFAYETTE 4-LITE WARNING SWITCH KIT



- Fits All 6V and 12V Cars

Just flip the emergency watn. ing switch and all four di. rectional signals on your car flash on and olf setting up a safety zone around your car. Ideal for use during emergency road stops. Pllot light that flashes when unit is on. Complete with installa. tion instructions. Imported. Shpg. wi. 5 oz. 99 F 85144

Net 1.49
SEQUENTIAL SIGNAL FLASHER

## ONLY $16^{95}$

 An Electronic Cruise Control which enables you to drive at a con. stant speed by automatically holding the throttle steady. Eliminates the need to keep, a foot glued on sccelerator on long trips. Once you reach desired speed, simply pull out knob and the Speed Con trol will automatically hold that speed. Allows instant acceleration for passing but takes over again when the foot is taken off the gas pedal Ceases to function the moment the brake is depressed and completely disengages in the event of any malfunction. Designed to fit all cars and trucks. Shpp. wt.. 2 lbs.11 F 59011
Net 21.50
REAR WINDOW DEFROSTER/DEFOGGER KIT


- Enjoy The Convenience and Safety of Clear

Rear Vision

- Adjustable Louvers Direct Air Where Needed

Rear window defrosting kit with giant defrosting capacity - 50 cu . feet of warm air per minute quickly defrosts and defogs rear window regardess of weather. Unit is easily instalied in trunk; does not interfere with spare tire or luggage space. Adjustable louvers to direct flow of air are recessed; wili not interfere with vision or rear deck space. Dash switch controls defroster operation. Improves heating and air conditioning operation of car by increasing air circulation. Kit includes heavy duty motor, defroster hoses, adjustable louvers. switch, wiring, templates, and installation instructions. fits all cars, (except statlon wagons, convertibles, and rear engine cars) for 12 volt electrical system. Shpg. wt.. 3 lbs.
 Tailight
 as low as $11^{50}$
For 3-Bulb Tallight


- Convert Your Turn Signals To A Moving Line of Light Convert your car's two or three lamp rear turn signals so that they flash on In sequence, creating the effect of a moving line of light point!ng the way you intend to turn. Rugged and rellable both right and left signal clrcults are complete in one compact unit. A safety Innovation. Easy-io-install .... all wiring done at signal lamps. Shpg. wt., $1 / 2 \mathrm{lb}$. For 12 volt neative ground onlv.
11 F 34501 For 2 -8ulb Tallight
Net 11.50 11 F 34519 For 3-Bulb Taillight


## LITE BUZZER



- Reminds You To Tum 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., 5 oz. 11 F 50010

## INFRA-RED WINDSHIELD DEFROSTER



- Plugs into Cigarette Lighter

Quickly melt away mist, ice, and snow. You no longer have to walt for car to warm up before cleaning windshield- fust plus it into your cigarette lighter, and start defrosting immediately. Complete with 12 foot cable for reaching back windshield. Two suction cups make mounths last and easy. Length: $15^{\prime \prime}$. Shpg. wt., 1 lb .
11 F 13075
If Fisols


Net 3.19

## 11 F 12507

Net 16.95

## WINDOW DEFROSTING FAN

- For Front or Rear Window
- Harmless 6" Rubber Blades
- Plugs into Cigarette Lighter

A practical automotive accessory which heeps windshield free from frost or log while you drive. High speed $3,000 \mathrm{rpm}$ motor controlled from drivers seat by 2 . speed switch. Complete with cord: universal swavel joint on sturdy base. $13 / 4$ los. 11 F 34022 For 12 volt cars ... Net 11.95


## WINDSHIELD DE-ICER

- Heavy Duty-Just Heat and Scrape

Melts Ice Fast

Heavy duty, fast acting de-lcer with high capacity 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-Hine fuse. Shpg. wt., $21 / 4$ lbs.

# LAFAYETIE Automotive Test Equipment 

## 6½" DWELL TACHOMETER



## $28^{95}$

- Tunes up Elec tronically, Any Car Ever Made
- Three Dwell Scales
- Giant 6½ Easy-to-Read Scale
- Use to Adjust Carburetors
- Use to Adjust Points
Made in U.S.A.
A complete ready-to-use Dwell Meter and Tachometer which will operate on any car ever made. Tests cam Dwell angle and engine RPM on 4,6 or 8 cylinder cars, 6 or 12 volt right on the engine. Giant $61 / 2^{\prime \prime}$ 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 4 automatic transmissions. Three dwell angle scales are provided: 0 to 45 degrees, 0.60 degrees, and 0 to 90 degrees. this instrument is suitable for dwell angle adjustment on all forelgn and domestic cars. Dual range tachometer 0 to 1000 rpm for preclse carburetor adjustments. o to 5000 rpm suitable fo making all other tests at high engine speeds. Complete with instruction manual. Shpg, wt.,
$31 / 2$
los. 11 F 01013 W


Electronically tune your car! This Dwell-Tachometer permits setling the carburetor for maximum efficiency, gas economy and greater power; indicates the correct point gap setting electrically (even if the points are pltted or corroded); permits setting points with the distributor cap off and engine cranking, and permits setting points on "Window" distributors with engine running. It also focates defective spark plugs; permits correct engine RPM setting for automatic transmission adjustments, throttle linkage and idle adjustment. APM scale: $0-3000 ; 8$-cylinder dwell: $5.45^{\circ} ; 6$ cylinder dwell: $20^{\circ}-60^{\circ} .4$ cylinder reading obtalned by doubling 8 cylinder scale reading. Two-color scale. Small and compact-measures only $61 / 4 \times 33 / 4 \times 2$ ". Complete with instruction manual. Shpg. wt., $13 / 4 \mathrm{lbs}$.
11 F 01054 .

## $16^{95}$

- Tune Up Electronically Any Car Ever Made
- $31 / 2^{\prime \prime}$ Double Jeweled D'Arsonval Meter
- For 4,6 or 8 Cylinder Engines
- For 6 or 12 Volt Systems
- Point Resistance Check

Made in U.S.A. Net 16.95

## PROFESSIONAL AC OR DC-POWER TIMING LIGHTS



## DC WIRED <br> $22^{95}$

- Ultra-Brite Zenon Strobe Tube DC POWER TIMING LIGHT
Chrome finished $D C$-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; destgned for operator to reach inaccessible timing marks. Simple replacement of zenon bulb. For 6 and 12 volt battery. On/Orf Switch. Shpg. wt., $13 / 4 \mathrm{lbs}$. 11 F 42405
Same as above in kit form
Net 22.95
11 F 42470


392
(A) COMPRESSION TESTER Shows worn or defective rings, pistons and cylinders. Easy-toread $21 / 2^{\prime \prime}$ dial, calibrated from 0.300 lbs Has offset stem and rubber nose cone to fit all spark plug holes.
II F 42074 Shpg. wt., 10 oz_net 2.99 (B) VACUUM and FUEL PUMP TESTER indicates worn or faulty parts in fuel pump or vacuum system. Easy to read $23 / 2^{\prime \prime}$ dial matches dial on compression tester, callbrated from 0.30 inches vacuum and 0.7 Ios. for pressure. Aids in setting timing, adjusting carburetor or tuning motor.
11 F 42066 Shpg. wt., 10 oz. $\qquad$ Net 3.19
(C) STANDARD TIMING LIGHT gives brilliant light for precision setting of Ignitton timing. With oil-and-gas resistant leads. 11 F 17050 Shpg. wt., 12 oz. Net 3.19
(D) REMOTE STARTER SWITCH permits operafrom of starter and turning over of engine from outside of car when adjusting points, valves, testing compression, etc. 11 F 17027 Shpg. wt., 6 oz.

Net 2.29

## 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 F 42082
Net 5.95

# COMPLETE SOLID-STATE ENGINE ANALYZER 

For All Electrical Systems 6, 12,24 or 32 Volt. -Regular, Transistorized or Magneto Ignition, 8, 6 or 4 Cylinder 4 or 2 Cycle Engines.

ONLY

$49^{95}$
No Money Down*

## Solid-State Engine Analyzer Will Test:

Dwell or Cam Angle
Measure Engine Speed
Adjust Carburetors
Adjust Points
Check Condensers
Check Coil Resistance
Measure Carbon Suppressor Spark Plug Cables Check Batteries
Test Alternators, Generators a Regulators
Check Shorts \& Opens In Wiring
Checks All Lamps, Fuses, Relays \& Switches Check Diodes

## CHROME DWELL-TACHOMETER

- Electronically Tune Any Car 4.6-8 Cylinder
- Large $3^{-S}$ Scale- 6 or 12 Volt
- Chrome Zinc Die Cast Case and Handle

$$
23^{95}
$$



Performs "FIFTEEN" authoritative tests under actual operating conditions; Tests output voltages in three separate ranges: $0-3.2,0-16$, $0-32$ VOC. Determines the condition of batteries, mottors. Permits epark plug wires, coil wire, solenoids andwell angle) and test cenprecise setting of distributor points (cam-dwell ange) 8 -cylinder trifugal advance mechanism on three scales: 0-45 ${ }^{\circ}$ for 8 -cylinder, $0-60^{\circ}$ for 6 -cylinder, and $0-90^{\circ}$ for $\$$ cylinder. RPM scales allow precise setting of carburetor air/fue mixture and engine RPM in four separate scales: 8 or 6 -cylinder (low) $0.1,200$, (high) $0-6000$; 4-cylinder (low) $0-2400$, (high) $0-12,000$. Measures amps from -5 to +90 . Resistance scale from $0-100,000$ ohms. Operates on single ${ }^{+0} 9$, , Rell battery. Completg simple operating instructions. Delailed information supplied by make and model. Rugged steel case inished in baked enamel. Rear storage compartment holds $512^{\prime}$ leads, clamps, plug jacks and connectors. Size: $12 \times 61 / 2^{\prime \prime} \times 6^{\prime \prime}$. Shrg. wt., 10 lbs.
Shrg. wt. 10 lbs. Net 49.93
$11+24502$
99 F $625 \in 4$ Battery for Above

## AUTOMATIC TACH-N-DWELL

Heavy chrome plated metal Dwell-Tach combination tester for 4,6 or 8 cylinder en-gines- -6 or 12 volt systems. Factory calibrated with zero adjust precision D'Arsonval jeweled meter movement for accurate readings. Measures cam dwell - shows dwell angle variations that indicate worn distributor shafts or bushings-shows breaker points spaced too wide or too close. Meapoints RPM in two sanges 0.30008 -cylinder040006 -cylinder. Use for adjusting smooth engine performance and ellmination of stalling or creeping. Checks worn valves, cybingers or bad plugs. Burn out prool-no inders of bad plugs. Bie cast handie and battery needed. Zinc d
case. Shpg. wl., 2 lbs . 11 F 42520

Net 23.95

## BATTERY CELL TESTER

Accurately tests batteries. Locates weak cells quickly. Places 200 ampere load (equivalent to average breakdown voltage of battery) on battery during test. large 3 -color dial that reads: Bad, Weak. and Good. Shpg. wt., $12 / 2 \mathrm{lbs}$.
11 F 17076

## 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-microprecision rings with feeler gauges, adapters, and tool for hex-wrench GM points. List of popular cars displayed inside cover of box. shopg. wt., $3 / 4 \mathrm{lb}$.


Make Lafayette lour Headquarters For Test Equipment

## $29^{95}$

## - Tune-Up Electronically

 Any Car Ever Made - Dual Meter Lets You Read Engine Speed \& Itwell Angle SimultaneouslyNow! In seconds detect problems in the primary ignition circuit that cause slow starting, rough idling, excessive gasoline consumption, poor acceleration and sluggish high speed passing. Makes somultaneous tests of dwell and RPM; lets you perform professional electronic tune-ups on both 2 and 4 cyche engines. Operates on 6, 12 or 24 voll zystems. 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 ranges for virtually every engine. Self-contalned solid state circuitry eliminates adjustment and burnout. Complete with carrying hande. color-coded test leads.
$161 / 4 \times 43 /{ }^{\prime \prime}$.

Net 29.95
11 F 24510 Shpg. wt., 7 lbs. $\qquad$ TUNE UP KIT $10^{95}$

- Tunes Engine for Maximum Efficiency
- For Accurate Ignition Timing Of Any Engine
Tune up the important systems of your car, truck of marine engine. Kit includes compres
sion tester, vacuum fuel pump tester and timing inght with remote sarter switch Compression tester locates valve, ring, piston and stared dial is calibrated $0-300$ ibs. pressure. cylinder troubles. Vacuum and fuel pump tester $21 /$ " dial callbrated in 0.30 inches and $^{\text {n }} 0$ pump and vacuum system. $21 / 2{ }^{1 / 2}$ dial for easy connection. Prefocused $0-3 \mathrm{lbs}$. Comes with rubber tubinfing easy connection. pre 24 volt systems.

Net 10.95
syste 42050 shpg . $w t ., 21 / 2 \mathrm{lbs}$.

# Install-It Yourself Auto Accessories 



CAPACITIVE DISCHARGE IGNITION SYSTEM With Silicon Controlled Rectifier

$39^{95}$

- Quick, Easy Installation
- Constant Spark to 10,000 RPM
- Extremely Low Input Power-Less Load On The Engine
 racing cars, the electronic magneto provides a minimum of 30,000 volts with the fastest rise time of any system available. Like having a permanent tune-up; doubles plug and point life, glves 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 ment. Uses aperation of radio, electronic or ignition test equlpment. Uses a silicon transistor... is fully protected by zener diodes. Completely sealed against water and corrosion. Simple installatlon by transferring wires from present coil to the magneto and connecting an additional wire to ground and you're ready to go! Size: $71 / 2 x$ 11 F 3550 No Money los.

Combines all the advantages of capacitive discharge with those of solid state circuitry. Eliminates point bounce prublems and positively lires plugs regardiess of point condition. Fast rise time spark preitely. Eliminates mis-firing ten tlmes. Point contacts last indefinengine life. Provides smother reduces oll contaminants, prolongs speeds; constant spark proved acceleration and economy 10,000 RPM $_{i}$ with dramatically imIn all weather. Unit operates with all commercial easier starting tachometers. Installs immediately with commercial and original the existing coil, leaving the stand with two simple connections to ilimitations-mounts anywhere Reqdard system intact. No temperature input power-mounts anywhere. Requires only a very small amount of nput power-reduces load on englne and electrical load. For 12 volt negative greund system only. Shpg. wt., $21 / 2$ lbs.
II 84506 No Money 0 .

Net 39.95

## MOTOROLA CAPACITOR DISCHARGE IGNITION SYSTEM

- With Silicon Controlled Rectifier
- Extends Point And Plug Life
- Quick Easy Installation



## Only 595 No Money <br> Down*

 A complete ignition modernizing kit giving your car the added efficlency and economy of electronic switching. Operates by a simple connection to the existing coil and distributor breaker point. For any number of cylinders. The "COI 12" features a capacitor discharge current and higher constant voltages for maximum combusthon and improved miles per gallon. The heavy-duty mounting unit is epoxy coated for moisture and dust-proofing. Fully sup.pressed for excellent radio reception. Installation is simpilfied by damage proof circuit protected from reverse polarity or open secondary leads. Shorter, more powerful sparks at plugs increase combustion, reduce plug wear, increase engine life many times. Overall increase in performance, acceleration and gas mileage. Designed for cars whith 17 -volt negative ground systems. Shipg. wt., $33 / 4 \mathrm{lbs}$.
I1F75066
Net 56.95

## DELUXE $270^{\circ}$ 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 oll-ampere gauge console, Large, illuminated $2^{\prime \prime}$ dials tilt in any direction. $270^{\circ}$ full swing oll pressure gauge with precision geared brass bourdon tube movement detects trouble before it occurs ... not after. Reads pressure accurately $0-80$ lbs. psi. Sender units has a uni. versal $1 / 8$ PT connector. Ammeter glves accurate current readings for all generator or aliemator equipped cars. Shows rate of charge or discharge from $60-0-60$ amperes. Shpg. wt., 2 lbs.
11 F 42439
Net 9.95

Custom panel of three illuminated $2^{\circ \prime \prime}$ gauges that tilt in any direction. $270^{\circ}$ full swing oil pressure gauge with precision geared brass bourdon tube movement reads accurately from $0-80$ lbs. psi. Ammeter gives accurate charging rate of both generator 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"' capillary tube and adapter. Shpg. wt., 3 los.
11 f 42447

# "CUSTOM RALLY STYLED" Auto Gauges 



## 31/4" TRANSISTORIZED tachometer

- For 4,6 , or 8 Cylinder-$0-8,000$ RPM


## - Convenient Shift Set Needle

Rugged, precision engineered Tach features low power drain transistor circuitry with precision D'Arsonval meter, black and white illuminated dial face, and handsomely styled $31 / 2^{\prime \prime}$ depth, vibration-proof chrome and black wrinkle housing with new hooded bezel for that Detrolt look. Tach also boasts a builtin shift set needie, 100 RPM divisions, $2 \%$ full scale accuracy, adjustable steering column ring and $360^{\circ}$ universal mount. Will operate with transistor or regular ignition systems, 6 or 12 volt positive or negative systems, Gasily mounted on or under dash, on ground. Easily mounted on or under dash, on console or on steering column.

Net 22.95


## 31/4" 270 "WIDE-SWEEP" TRANSISTORIZED TACH

- Precision 0-10,000 RPM Scale
- For 4, 6, or 8 Cylinder

Our finest tachometer features a wide sweep $31 / /^{\prime \prime}$ illuminated black and white scale, preclsion D'Arsonval movement calibrated to $2 \%$, accuracy, and a shift set needle with $270^{\circ}$ swing. Equal divisions between graduated markings for pin-point accuracy over the entire range. This handsomely styled instrument is virtually unaffected by vibration. Has deluxe $31 / 2^{\prime \prime}$ deep heavy chromed and black housing and $360^{\circ}$ universal mounting for dash, console, or steering column mounting. For transistor or regular ignition systems at 6 or 12 volt positive or negative ground and zero adjust. Shpg. wt., 2 lbs. 11 f 42512
 0 to 80 ibs ., and water tem. perature is indicated from $100^{\circ}$ to $220^{\circ}$. Fits all 12 volt negative or positive ground alternator or generator electrical systems. Handy $360^{\circ}$ unlversal mount and durabile chrome zinc die cast plied with wire, adjustable mo

Net 19.95 OII AMD AMMETER GAUGE-Similar to above, less water temp. gauge. 11 f 42041 Shpg. wt., 2 lbs.

Automotive Theft Protection Devices
ON-GUARD PROFESSIONAL SIREN.
 OPERATED BURGLAR ALARM


- Loud Siren Gives Fool Proof Protection To Doors, Trunk, and Hood

- Pick-Proof Key Lock Mounts on Outside of Auto A heavy-duty siren with large 41/2" rotor constructed of Dupont Deirin for loud piercing sound output with less current drain. System helps prevent break-in, pillerage, damage, and Inconvenience. Achood. Can be wired to sound when emergency brake is released. Automatically flashes interior light on when alarm sounds. Instantly discloses violation and remains on until manually reset by pich proof lock switch, Great for cars, wagons, trailers, trucks, and vans. Supplied with relay switch unit, six alarm activator switches, wire, terminals, screws, in-line fuse, and pick-proof key loch with two keys.
11 F 89034 Shpg. Wt., $41 / 4 \mathrm{lbs}$.


Protect your automobile or boat from intruders. Just opening a door, truck, or hood will set off this sensitive system. Turning on headlights, ignition or any electrical accessory will also activate your car horn for an unmistakable warning. Cannot be shut off by closing door, hood, ignition, etc. Only you know where the hidden switch is. light or the accessory light listed below can be installed. Connects simply to horn relay and battery with only two wires. Shpg. Wt., i fo.
$\qquad$ Net 8.95

LOCK KIT $3^{49}$ Prevents Theft of Battery and Engine Parts

Mood can only be opened from inside of car. Protects battery, tenerator, distributer, etc. Complete with all parts for instaliation. Fits following ears:
64.65 Mustang

61 Buick $67-68$ Chevelle 68 Olds $\begin{array}{ll}64 \text { Cadillac } & 63-65 \text { Comet } \\ 68 \text { Camaro } & 63-68 \text { Tempest } \\ & 63 \text { Ford } \\ 62.66 & \text { Rambler }\end{array}$ $\begin{array}{lll}68 \text { Camaro } & 63.67 \text { Ford } & 62.66 \text { Rambler } \\ 61-68 \text { Chev, } & 63-65 \text { Falcon } & \text { (not Classic) }\end{array}$ 67-68 Chevy II $63-67$ Mercury 64 T-Bird and other cars with striker bolt in hood. I1F 53014 Shpg. wt., $11 / 2$ bs. Net 3.49

AUTOMATIC TRUNK \& HOOD LIGHT


As Low As
179
ea.

- For All Cars With 12 Volt System

Light up your entlire hood or trunk compartment. Bright diffused light illuminates trunk or hood compartment for loading or unloading trunk ...for making engine inspection or repairs at night. Completely automatlc with Honeywell mercury switch. Easily installed. All hardware and wire in. cluded.
11 F 43015 Shpg. wt., $1 / 2 \mathrm{lb} . .$. Net ea. 1.99 Lots of 21.79 each

Depend on Lafayette For Complete Stocks, Lowest Prices, Fastest Service

# Custom Horns - For Your Car 

## MUSTANG HORN

- Whinnies like a Wild Mustang

You've seen a mustang-now hear a mustang! Compact size horn "whinnies like a wild mustang"
 when you press the horn button in the car. Adds a new dimension of life to your Mustang or other make automoome. comple with horn button control, wire, and all necessary mounting hardware. Black enamel, finish with chrome plated grili. Dimensions: $5^{\prime \prime} \times 51 / 2^{\prime \prime} \times 6^{\prime \prime}$. Shpg. wt., $21 / 2-1$ bs.
11 F 44526 For 12 volt

## CONTINENTAL HORN



- With European Sound
Swing with the sounds of the continent! Twin
 continental electric horn
automatically alternates from high to low notes like European police horns. Clear, crisp tones are sure to attract the attention of pedes. trians and other motorists. Different from other horns, consists of a high note unit and a low note unit mounted on a single sturdy frame. Mounts under the hood of virtually any car, in any available space. Complete with horn button control, wire, mounting hardware, and complete installation instructlons. Black enamel finish with bright chrome grill. For 12 volt. Dimensions: $31 / 2^{\prime \prime} \times 51 / 2^{\prime \prime} \times 9^{\prime \prime}$. Shipg. wt. $31 / 4$ los.
11 if 44500
Net 13.95


Go mad! Newest sound sensation! Dis. tinctive BEEP-BEEP sound awakens the daydreamer, gets immedlate attention from the slow pokes... just two quick taps on the horn and you're way out. Powerful $4^{\prime \prime} \times 51 / 2^{\prime \prime} \times 61 / 2^{\prime \prime} \mathrm{H}$ 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 F 44534 Shpg. wt., $21 / 4$ lbs. Net 6.50

## ELECTRO PLATING KITS




## Auto Warning Signal Lamps-Accessories <br> DELUXE REVOLVING BEACON

- Plugs Into Cigarette Lighter Outlet
- Rotates Like a Lighthouse Beacon
A red warning light that rotates 360 degrees and flashes in all direc. tions. Suction mount holds the beacon firmly in place. Signals for help for miles around: creates a safety zone during a traffic emergency: For use on autos, boats, trucks, docks, etc. For 12 volt use; complete with cigarette lighter adapter plug. Shpg. wt., $13 / 4 \mathrm{lbs}$.

Net 6.95 BLUE TURRET LENS. Converts Revalying Beacon for use by emer. gency vehicles, volunteer fire depts., CD units, etc. Shpg. wt., 502 I1F13059


- Signals and Warns For Miles Around

Automatic traffic hazard protection. Five lights create hundreds of different flashing patterns. Brililiantly signals help. Can be used in car without unlocking doors - great for women traveling late easy aftachment. Plugs into cigarefte lighter. For 6 or permits fast 12 volt use easy aftachment. Plugs into cigarette lighter. For 6 or 12 volt use. 1 Imported. Shpg. wt., 11 lb .
11 F 13125
32 F 69156 Rept. Bulb.
Net 4.95 Net .37

## CUSTOM SIDE LIGHTS

32 F 69156 Rept. Bulb.


## SPARK PLUG NDEt 2.95 <br> SPARK PLUG AND 6 AND 12 VOLT TESTER <br> 

- With Retractable Test Probe Needle And Alligator Clip For testing 6 and 12 volt wiring systems on cars boats, trailers, or any low volt system. Test spark plugs, check fuses, find faulty sockets, shorls, broken wires. Quick easy visual test. Neon flash
tells the story. Shpg. Wh. tells the story. Shpg. Wt. 4 oz.
11 F 31515
... Net 1.49


## \section*{II F 31515} <br> BATTERY BOOSTER CABLES

Standard equipment for starting stalled cars, charging batteries etc. Made with heavy duty, flexibio rubber-covered cable. Rugged cop. per-ciad positive action grips identhfied by Black and Red heavy vinyl covered handles. Shpg. wt., $11 / 2 \mathrm{bbs}$.
 $\begin{array}{ll}11 \text { F } 29014 \quad 8 & \mathrm{ft} \text {. long. set of } 2 \\ 11 \mathrm{~F} 29022 & 12 \mathrm{ft} \text {. long, set of } 2\end{array}$

## Net 1.39

 Net 1.99 Set of Battery Booster. 6 gauge copper cable, wt., 3 los. Net 3.89 11 F 29055 Shpg. wt., 802.

## 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 F 85136
Net .59


# Popular Accessories for Your Car PRIMETtA "FOGGLES" <br> CAR VACUUM CLEANER 495 

fon Safer orvime:

- At Night
- in rain
- IN FOG
- IN SNOW


Scientifically designed to protect eyes from glare of headilghts, street lights, etc. without materially reducing vision. Fin ter fons exclude all ultraviolet rays. Ideal for driving at night, in sain, fog and snow. With case. Shpg. wt., 402. 11 F 32018

Het 2.49
Clip-on "Foggies."-use on existing glasses

## 11 F 32026 Shpg. wt., 4 oz.

## AIRWAY COMPASS

- No Holes to Drill - No Wiring

Universal mounting bracket with pressure sensitive base for dash or windshield. Aviation-type geared regulators cunlfe magnets. Built-in battery tight. Dial calibrated each 15 degrees. Black and chrome. Shpg. wt., 6 oz . 11 F 65018 Illuminated ........ Net 2.95

## DELUXE AIRWAY UNIVERSAL COMPASS

- Complete with Adhesive Plate for Windshield 495 Mounting
Precision Instrument features fingertip regulators with 8 gears and special magnets to provide added accuracy and quick compensation.

- Plugs into Cigarette Lighter Outlet Portable and powerful! Cleans upholstery, carpeting, ashtrays, under mouldings. Picks up dust, dirt and lint inte a removable container. Designed to give trouble-free service, Complete with two attach-ments-a utllity pick-up and a long nozzle to reach hard to get a places. Supplled with handy $15^{\circ}$ Power Cord. Power source: 12 V , DC. Imported.

11 F 67519 Snpe. wt., 2 lbs.


Ě SUPER POWER AUTO VACUUM CLEANER
 Design allows up to $30^{\circ}$ tilt. Calibrated in 5 degree intervals. Universal bracket mounts in any position on all craft and vehicles. Rigid crystal ctear plastic with gleaming chrome and black finısn. llluminated. Shpg, wt., 12 oz. gleaming
11
65059

## MAP MEASURER \& COMPASS

just trace चlong route on map and multiply miles - per inch factor by reading on dial. Reads directly in inches up to $39^{\prime \prime}$. Bullt-in magnetic compass has cardinal and secondary points-full $360^{\circ}$ markings in tenths. Accurate and dependable. Complete with leather sheath. Imported. Shpg. wt., 4 02.
 13 F 41015

Net 1.49

## 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 radio, and then plug into the cigarette Hghter. Shpg. wt. 601.
11 F 48014 For 12 -volt cars .........Net 1.79


## CHILTON'S AUTO MANUALS

CHILTON'S 1970 AUTO REPAIR MANUALA completely revised manual for every AmerIcan car since 1963 plus Volkswagen, 3500 pictures, 1400 pages. Helps pin-point trouble and correct it. 10 F:28018 Shipg. wt., 8 lbs.

Net 9.95

## AUTOMATIC SIPHON

129

- Outboards
- Power Mowers

Automatic - safe - simple pump for transfer of gasoline or any liquid. Pump-type siphon works without putting fube to mouth. Just squeeze the bulb to start the flow. Transparent inserts. permit vlew of liquid flowing. Use for any vas engine equipment. Shpg. wi.t g gas
8 oz.
13 F 19029

# Battery Chargers And Booster Chargers <br> <br> LAFAYETTE 

 <br> <br> 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 truchs, cars, boats, tractors and othe 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, solated and fully impregnated transformer, and an auto-reset circuit breaker; heavy duty $8^{\circ}$ input cord, and heavy duty $6^{\circ}$ cables with soldered clamps for full output; acid resistant front panel and Daked namel back and sides. All internal components panel and bake ection against corrosion ut listed sizmonenis are plated for pro 11 F 01052 Shpg. wt., 12 tbs.

Net 29.95

## SCHAUER

10-AMP BATIERY CHARGER


- For $6 \& 12$ Volts
- With Meter
- Automatic Circuit Breaker


Model C-6612. Heavy-duty 10 -amp charger for 6 or 12 volt battery, which will bring the battery to full charge in 2 to 6 hours or less. Equipped with an automatic circuit breaker for overload protection. Selector switch for changing voltage. Accurate am. meter shows rate of charge entering battery. Rugged steel case with gold colored finish and two-tone brushed aluminum. Come plete with cables. 117 VAC, 60 Hz . U.L. Ilsted Shpg. wt., $121 / 2 \mathrm{lbs}$.


## 6.AMP BATTERY CHARGER

- Automatic Circuit Breaker
- For $6 \& 12$ volts
- Built-in Meter

Model 8 - 6612 charges both 6 and 12 volt batteries at a 6 -amp rate. Will recharge the average battery in from 3 to 7 hours. Charg er is equipped with an automatic circuit breater 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 pugged steel. Complete with battery cables 117 VAC., 50 Hz . UL Listed. $9 \% \times 6 \times 64 \mathrm{z}^{\prime \prime}$. 11 F 55183 Shpg. wt., 9 Jbs.

Net 14.95


## SURE-FIRE BOOSTER CHARGER

- 100 Amp. Battery Boost Power 6, 8 or 12-Volts, - 10 Arno. Battery Charger - Triçkle Charger

As Low As $3095 \begin{gathered}\text { No Money } \\ \text { Down* }\end{gathered}$
Modet WS-100-10. Get that extra "punch" needed to get your battery started in cold weather! Provides 100 amp . booster power, 10 amp. and trickie charging for 6, 8 or 12 -voll batteries. Ammeter indicates changing current. Features full wave rectifiers, heavy-duty transformers and an automatic reset circuit breaker. Push-button control panel with reverse polarity Indicator light is enclosed in a rugged steel case with a baked wrinhle finish. Steel carrying handle also stores the heavy-duty input cord. U.L. Listed. Size: 12x7n9". Shpg. wt., 20 ths. 11 F 76098

Net 39.95
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 of 12 volts. Size: $12 \times 9 \times 9^{\circ}$. Shpg. wt., 30 lbs.
11 F 76106 W Ho Money Down ${ }^{*}$
Net 59.95

## SURE-FIRE 8-AMP AUTOMATIC GATTERY CHARGER WITH G-HOUR TIMER



- For $6 \& 12$ Volts
- Colored Meter Automatic 6 -Hour Timer
- Trickle Charge


## $24^{95}$

Automatic timer can be set from $5-\mathrm{min}$. to 6 -hrs. After timer shuts. off. charger automatically into a trickle charge cycle which heeps battery fully charged. Uses selentum rectifiers and features automatic circult breakers. Color meter shows rate of charge. With $6^{\prime}$ power cord, $50-\mathrm{amp}$ clips attached to battery cables. 117 YAC $10 x 61 / 2 x 71 / 2^{\prime \prime}$. Ul Listed. Shpg. wt., 15 lbs . i1 F 75072

Net 24.95
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 batterles fully charged for peak performance even at $40^{\circ}$ below charge rate prevents flacking Ireezing. Full 1 amp. "safe" circuit breakers to preveng and plate buckling - Has automatic line cord into any prevent overioading. Easy to use-plug the tery cand and wall bracket. Size. $5 \times 3 \mathrm{~m}^{2} \times 3$." . Smally tapers off. With handie and wall bracket. Size: $5 \times 31 / 2 \times 3$ ". Shpg. wt., 3 lbs.
11 F 7623
 weather. Edge rate of charge and Indicates view colored meter shows actrat breaher gives automatic oves battery condition. Reset circuit selector switch. Dellvers overload protection. Has 6 and 12 volt selector switch. Dellvers tapering charge, Vented steel case; may be wall mounted. 6 f . battery leads with 50 amp clips. Size: $6 \times 41 / 2 \times 53 / \%^{\circ}$. For operation from $105-125$ Volt. 60 Hz AC UL
Listed.
11 F 76049 Shpg. wt., 5 lbs.
Net 10.85

# terado <br> -C.D- 

## TERADO SOLID-STATE LOW AS DC-to-AC INVERTERS $39^{87}$ <br> - Transistorized

- 110 Volt AC Electricity From Your 12 Volt Battery


Compact and convenient power Inverters. Converts 12 VDC to 110 V 60 cycles AC. + Features frequency regulation $\pm 1 / 2$ cycle with chankIng inpul load and voltage. Ideal for lape recorders. Complete with battery cabies. \& With remole control.

| Stock Ho. | Migr. No. Cont. Interm. |  |  | Slze | Shag. Wt. Lus. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11 F63013 | 50170 | 125 | 150 | $10 \% \times 6 \times 6$ | 12 | 39.87 |
| 11 F63153 | 50205 | 140 | 175 | 1034x6x6 | 12 | 46.94 |
| 11 F 63195 | 50129 | 275 | 300 500 | $6 \times 6 \times 121 / 2$ $6 \times 6 \times 121 / 2$ | $201 / 2$ | 97.11 |
| If F 63203 | 50128 | 450 | 175 | - $10 \times \times 6 \times 6$ | 17 | 100.51 |
| 11 F 63237w ${ }^{+}$ | 50201 | 150 | 175 | 10\# $106 \times 6$ | 221/2 | 114.53 |
| 11 F 63245w ${ }^{\text {+ }}$ | 50200 | 175 | 300 | $107 \times 6 \times 6$ | 291/2 | 158.40 |
| 11F63252wt | 50191 | 27 | 30 | 107** |  |  |

- 110 Volt Home Electricity Anywhere

Vibrator type inverters. All have automatic frequency control. Conert 6 or 12 volts DC to 110 volts, 60 cycle AC. Frequency regulation th with changing input load and voltage. filtered, ideal for use with tape recorders Converters are equippes with cigarette lighter with tape recorger. connection to battery in case of larger voltaze plugs or for direct coneth thates, Less handle with mounting units. Complete with battery cables. Le outout switch signal light. bracket. \& Remote control has variable AC output switch wt.

| stock Ho. | Mtgr. Mo. | Inpi |  | ts |  | Size | $\begin{aligned} & \text { wt. } \\ & \text { Lbs. } \end{aligned}$ | Fig. | Met |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 50116 | 12 | 40 | 50 | 24 | 21/2x | $2^{V_{4}}$ |  |  |
| 11 F 63096 | 50137 | 6 | 75 | 100 | $4 \times 5$ | $6^{\circ}$ | $81 / 4$ |  | 53.90 |
| 11 F 63104 t | 50138 | , | 100 | 125 | $4 \times 5$ |  | $81 / 4$ |  |  |

$\begin{array}{lllllll}11 \text { F } 63104 \dagger & 50138 & 12 & 100 & 125 & 4 \times 56^{\circ} \\ \text { I1 } & 63120 t & 50153 & 12 & 175 & 200 & 5 \times 5 \times 11^{\circ}\end{array}$

## TERADO "DYNAMO" DC TO AC INYERTER

Operate any small rado in any 12 volt car. truck, boat or trailer. No installation-just plus into cigar lighter. Operate electric shaver or any electric appliance up to 25 watts. With generator condenser and ignitlon noise suppressor. Size: $2 \times 2 \times 31 / 4$. IIF 63179 Shpg. Wt., 2 lbs. $2 \times 2 \times 3 \% / 4.80$

## TRAV-ELECTRIC "AUTO-SHAVER"

Operates all electric shavers. Plugs into cigarette lighter. Polyethylene non-breakable case. Size: $35 \sqrt{\circ " W} \times 21 / 4 \sim D \times 4 V / 4 \mathrm{H}, 6$ volt $10-15$ watts, 12 volts $15-20$ watts. Shis. wt., 2 lbs.
11 F 630396 volf
Net 11.85


## 11F63047 12 Volt

TERADO SOLID-STATE INVERTER-CHARGER

- It's A Battery Charger
- It's An Inverter

Mark 1. portable, transistorized
 450 to 500 watt inverter/ charger Converts 12 volts DC charger. $A C$ household current. Designed for use in cars, mobile homes, and boats to operate radios, recorders. televisions. lights, electric tools, and test equipment from any 12 V ., DC power source. Also setves as a battery charger with charging rate of 20 , and 10 amps plus low trickle charge. Complete with amp meter, 12 V ., DC amps poles, front panel mounted fuses, and 117 V . AC standard outlet. 12 ys $\times 6 \times 6^{\prime \prime}$. Shpg. wt., 21 lbs. IIF 63260 W No Money Down* 11 F 63260 W No Money Down ..... Net 104.50 Mart il same as above except inverter eapacily is 275 watts continuous, 300 watts intermittent. Shpg. wt, 21 lbs. 11 F 63278 W No Money Down ${ }^{*}$

- See Page 11 for Full Credit Details on Easy Pay Plan


## TRIPP UTE 150.WATT mamsinario $39^{95}$

- Delivers 150 Watts Continuously
- Provides Household Current Anywhere - Fused to Protect Battery

NO MONEY DOWN


A low-cost transistorized inverter which changes 12 valt DC to 115 volt 60 Hz AC. Delivers 150 -walts continuously; 185-watts intermiftently for shavers, recorders, radios. TV and many other appir ances. Has on-0ff switch and replaceable fuse. Rugged construction. Size; $5 \times 5 \times 31 / 2^{\prime \prime}$. Shpg. wt., $51 / 2 \mathrm{lbs}$

## 11 F 89505 <br> TRIPP LITE 100 WATT TRANSISTORIZED INVERTER



- Converts 12 Volt OC to 115 Voit AC
- Deliyers 100 Watts Continunusly
- Plugs Into Lighter


MODEL PV- 100 Designed to give instant AC power where fast emer. gency service is needed. Lightwelght, low-cost inverter converts 12 volts $D C$ to 115 V ., 60 cycles $A C_{i}$ delivers 100 watts continuously. Specifically engineered to power televisions, and tape recorders in cars, boats, planes, or mobile homes. Incorporates 2 power switching transistors. Complete with cigarette Ifahter plug, and standard AC outlet. Size: $43 / 4 \times 43 / 4 \times 3^{3}$. Shpg. wt. $61 / 4$ lbs.

## 11 F 89547

## TRIPP LITE ALL SOLIO STATE POWERVERTERS



- Combination Power Inverters and Battery Chargers

MODEL PV.200.B-200.WATT INVERTER, S MMP BATTERY CHARGER. Converts 12 - yolt DC to 115 -volt 60 cycle AC. delivers 200 watts coninuously. 220 watts intermittentiy. a power transistor circuitry for' power boost. Baltery charger is rated 5 amp. has automatic control which tapers current down to prevent overcharging- Size: $31 / 2 \times 5 \times$ 51/4". Shpg. wt., $61 / 2$ lbs. 11F89513 No Money Down.

Net 49.95
 Moder heavy-duty inverter with 500 walt conilinuous output. 550 Rugged, heavy-duty 10 power transistors: hash-iree TV, AM-FM recepwatt intermitien. 10 power trat 10 amp, polarity protection in case of tion. Batterg charge Pilot light warns against overloading. Bullt-in incorrect hook-uD. Pilot light wa
11F 89562 No Money Down*

```
Shpe. wt., 15 lbs .
Net 99.35
```

CORNELL DUBILIER
DC TO AC INVERTER
$42^{35}$
No Money Down *

- Delivers 125 Watts Continuously
- Features "Hash Free" Filtering

For Interference-Free Reception

house trallers campers, etc, as a source of AC cars, boats, house power lines, Converts 12 volts DC to $110-120$ volts $A C$ at 60 Hz . Designed primarily for television receiv. 110-120 ers, tape recorders, phost 12 volts @ 12 amperes (full load); devices. Ssecifications: output: 120 watis cont- Size. $83 / \times 72 / 2 \mathrm{~W} \times 33 / 4 \mathrm{HH}$. Shpg. wt., $151 / 4 \mathrm{lbs}$. both Input and output; Size. $874612 / 2 w \times 3+4$. Shan. Net 42.95 11 F 18256 W. $\mathbf{M}$. Mounting Kit-Heavy flanged plate for bulkhead or floor mounting. Includes hardware and instructions.
11 F 18264 Shpg. wt., $21 / 4$ los.
Net 3.60

## Chamhont



## ECONOMY GARAGE DOOR OPENER

- $1 / 4$ HP Motor - For Doors Up To 16 Ft. Solid-state garage door opener. No need to get in and out of car in bad weather. Elimi. nate the physical strain of manual opening and closing. Easily and quickiy installed on existing door. Adapts to single or double; sectional or 1 -piece, wood, metal, or fiberglass door. Up to 175 lbs . of pulling foree; enough to handie most garage doors. Needs only $112^{\prime \prime}$ Headroom between doors and celling. Garage light is furned on when door is opened, remains on two minutes after door is closed for you to leave garage in safety. Wall mounted receiver with pushbutton for Instant stopping, opening or closing door from the inside. Door automaticali:y stops when it hits an object. Streamilined motor housing provides protection against dust and molsture. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. UL lisfed. Shpg. WL, 55 ibs.
13 F s21 75 wxz
Net 129.95
See Listing of Accessories Below


## Littmaster" Garage Door Openers



No Need To Get Out Of Car
Door Opens Automatically Door Opens Automatically

- With Exclusive "Velvet Glide"
- Gear-Head Chain Drive
- Opens-Closes-Securely Locks Garage Door
- Automatically Controls Garage Door and Lights from Inside Your Car
- Fully Transistorized Transmitter and Receiver with Private Tone Coding
- Operates 1-Piece or Sectional



## DELUXE HEAVY DUTY GARAGE DOOR OPENER

- 1/3 HP Motor-For Doors Uo To 22 ft . Deluxe garage door operating system. Easily handles any residential, track guided garage door; metal, fiberglas or wood doors up to 22 ft . wide and 8 ft . high. Only your tone coded yransmitter can open the door. Gearhead chain drive motor exerts 200 ibs. of push-pull force. Needs only $142^{\prime \prime}$ of headroom space between high are of door and celiling. Fully automatic. 8ullitin light goes on as soon as door staris to open and stays on for approximately two minutes affer door closes. If door hits obstruction. It stops automatically. Safety clutch prevents damage. When started again, if will reverse age. When started again, it will reverse
itself. Transmitter can be carried in poctet itself. Transmitter can be carried in pocket, kept in glove compartment, clipped to sun visor or mounted under dash. Motor operates 65 lbs VAC, 60 Hz . UL listed. Shpg. wt., 13 los
See Listing of Accessories Below.

Net 159.95

# ABOVE GARAGE DOOR OPENERS SHIPPED F.O.B. CHICAGO ILLINOIS. NO C.O.D. SHIPPING CHARGES ARE COLLECTED ON DELIVERY. SEND FULL REMITTANCE OR USE COLLECTED ON DELIVERY. SEND FULL REMITJANCE OR USE LAFAYETTE'S EASY PAY PMARG. 

## ACCESSORIES

Extra transmitter for second car.
13 F 82159 Shpg . wt., 3/4 lb .
Key Switch for outdoor operation, with 2 keys. 13 F 22043 Shpg. wh. the th.

Net 13.95
Net 4.95

Outside quick release lock. Used to open door from outside when electricity iails. Shpg, wt., Y/4 lb. 13 F 82134 13 8214
3814216 oz. Dry Spray Silicone Spray tube

## RADIO CONTROLS FOR ANY DOOR OPENER

## - Transistorized Tone Coded Receiver and

 Transmitter- Up-date or Convert Any Electronicaliy Operated Garage Door Opener to Operate from Your Car $54^{95}$ System consists of two units, a transistorized radio Tone Coded Transmitter and receiver. Operates any electrically controlled door opener up to 100 feet away. Tone mod. ulation circuitry gives you complefe secur-

- Miniature and Completely Transistorized
- Gives Advance Warning
ity: only your personal, pocket size Tone Coded Transmitter can trigger the receiver. installs in minutes. 5hpg. wt., $23 / 4 \mathrm{lbs}$. 13 F 82167


## - Warns of Traffic Zones!



Radio Control tor Àny Door Openter


WIRED $29^{95}$

- Complete With Long Life Mercury Batteries
- Clips Easily on Sunvisor
- Rugged Printed Circuit

Radar alert wired-miniature electronic defector gives an audible warning whenever it intercepls a radar beam. Duat-8and circuit detects all commonly used police radar speed meters and traffic control devices, both vertically and horizontally polarized, to promote sater driving. Miniaturized and complefely transistorlized, To promote quality cell. self-testing batteries (equivalent to 35,000 li,000 hour mercury 35 M.P.H.) Magneslum case (equivalent to 35,000 miles of driving at 35 M.P.H.) Magnesium case eliminates radio, IV and other inferfer-

Weighs only 13 ors, measures $35 / 3 \mathrm{~W} \times 21 / 4 \times 3 y / 4$ D; cilips to sunvisor Complete with batteries, sunvisor clip. Instructions included. Shipg. wt. $14 / 2$ los.
11 \% 42017
didai alent xir, Same as above in kit form.
11 42452
This item not intended for resale in states where its... Net 23.95 bidden in motor vehicies by public regulation. where its use is for-


| Guy Wire … 290, 325 | Bores. Plastic 295 |
| :---: | :---: |
| Installation Kits ... 325, | Brearboard, Masonite 291 |
|  | Bridges |
| Insulators 209. 326 |  |
| Lightning Arrestor 326 | Resistance 233, 234 |
| Masts … ......... 325 | Standing Wave ...... 445 |
| Matching Coil $\quad 323$ | Broadcaster/ Phono |
| Mounts -.. - .-. 324 | Oscillator ............. 81 |
| Outtets 327 | Brushes 307 |
| Rotors - $320,322$. | Bug Killer $\quad 388$ |
| 434. 411 | Byll Horn 212 |
| Splitters - 322.323 | Burglar Alarms ...357-359, |
| Switehes .-...322,445 | 396 |
| Towers - . 322 | Bushings . $\quad$ 289, 327 |
| TVI filters ... 322,323, | Buzzer |
| Twin-line 290.377 |  |
| $\text { Twin-Line }-\quad 290,291 .$ | c |
| Wire 290, 291, 293, 323 | CABINETS |
| Antists Materials 306, 307 | Accessories . 388 |
| Attenuators, TV 322, 323 | Hi.Fi ${ }^{\text {a }}$ 63.65 |
| Audio Cables - \%r, 87 | Metal …- 294.295 |
| Audio Generators 221. 232 | Parts $\quad 379$ |
| Kits Min ${ }^{\text {a }}$ | Racks ....... 294 |
| Audio Mixers ... 181.184 | Record $\quad 55$ |
|  | Speaker -.. 63, 54 |
| AUTO SUPPLIES | Utility ... 379 |
| Accessories 133, 134. 391, 392, 394.399, 402 | Cables (See Wire |
| Alternator System 391 | a Cables) |
| Antennas … $\quad 133$ | Calipers ${ }^{331}$ |
| Defroster ..... 391 | Cam-Dwell Tester 392, 393 |
| Fuses ............ 296 | Cameras |
| Horns $\quad 397$ | Accessorles 338-340, |
| Radar Warning Device | 342-346. 411 |
| 402 | Kits $\quad 336,344$ |
| Radios $\quad 135-138$ | Lenses … 343,344 |
| Reverbs $\quad 134$ | Movie .. 336.337 |
| Speakers 116.273 | Rangefinder . $\mathbf{3 4 1}$, 344. |
| Suppressors ..... 133 | Rangelinder 3il 345 |
| Tape Units 113-118 | SLR $\quad 340$ |
| Test Equipment ${ }^{233}$, | Subminiature $\quad 344$ |
| 392, 393. 395 | Tripods $\quad 339.346$ |
| Ignition Systems 394 | Tripods |
| vibrators . 133 | capacito |
| 8 | Assorted - $\quad 232$ |
| 8 | Ceramic 282. 284, 285 |
| Bafies, Speaker 179 | Electrolytic .-. $\mathbf{2 8 2 - 2 3 4}$ |
| Balun Coils ..... 433, 434 | High Voltage .- 235 |
| Baromelet | Mica - 282, 235 |
| Barrier Strips 241 | Mylar $\quad 236$ |
| Bases, Record Changer | Padder \& Trimmer 243 |
| 66, 67. 71 | Paper - .i......... 236 |
|  | Substitution |
| BATTERIES | Boxes 232.242 |
| 256, 257 | Testers 229, 233, 234 |
| Booster Cables 398 | Transmitting $\quad 285$ |
| Chargers 225, 258, 400, | Variable .... 242 |
| - 401,457 |  |


| Walhie-Talkie | 453-457 |
| :---: | :---: |
| Cleaners | 329 |
| UliraSonic | 416 |
| Vacuum | 379, 399 |



Delivery Information
Dimmers ................... 351
DIODES

|  | 215-217 |
| :---: | :---: |
| Direction Finders | .... 437 |
| Door Chime | 358 |
| Door Viewer | 95 |
| Orafting |  |
| Equipment | 306 |
| Drawer | 388 |
| Drawer Slides | 185 |

orills

|  |  |
| :---: | :---: |
| Accessorles | 375-377 |
| Bits | . 376.377 |
| Sharpener | 376 |
| Stands | 375 |
| Drum Outfit | 157 |
| Dwell Meter | 392, 393 |
| E |  |
| EARPMONES |  |

## EASY PAY PLAN 11

Electrical Accessories
$295,351,352$

| Electrolytic | 295, 351, |
| :--- | ---: |
| $\begin{array}{l}\text { Capacitors } \\ \text { Clin }\end{array}$ | 283,284 |


| Capacitors | 283, 284 |
| :--- | ---: |
| Electronic Flash | 342 |
| Electro-plating | Kit |

Enclosures, Speaker 62-64
Etchants
Engine Analyzer $\quad \ldots \ldots 233$
Engraving Tool 369,370
Equipment Cabinet
Experimenter's
Kits … 202-213
$\begin{aligned} & \text { Exposure Meters } \\ & \text { Extension Cords } \\ & \end{aligned} . . .346$
Extension Cords $\quad 352$
Extension Rods 243, 274.
Eye Guards ................. 385
CASSETTE
Accessories
120

| Telephone | $206-210$ |
| :--- | ---: |
| anchors (Botts) | $1 . . . . . \quad 326$ |

Annuciaters ….......... 358
AMTENNAS
Amateur
Auto Radio 424, 434, 435
Auto Radio
Citizens Band .. $438-443$,
446
Ferrite
240
$310 \quad 312315$
F.M. ....310, 312, 315

Marine
Shortwave....... 434,435
TV, Indoor ......316, 317
TV, Outdoor 308-314
UHF
.422. 434
WIndow

## ANTENMA

## ACCESSORIES

Balun … . . 433, 434
Boosters $\quad 318$-320
Coaxial Cable ..438, 439
Colls … ......... 287-289
Connectors … 433, 446
Couplers ..322, 323, 433
Dummy Load
Distribution Units
Ground Clamps
Ground Rods
Guy Rings
326
Depend on Lafayette For Complete Stocks, Lowest Prices, Fastest Service
\(\begin{aligned} \& Splitters, <br>
\& Couplers <br>

\& Receivers\end{aligned} \quad\)| 322,323 |
| :--- | :--- | :--- |$\quad 37,142$ Receivers

Tuners ..20, 10, 31, 37,
135

FM-AM
Radios ... 101, 135-139, 142 -154
Mi-fi Receivers $\quad 142$-154 Tuners $\quad 20,21,37,135$ Forming Tool
Fuses Mountings
Fusible Resistors




Reverberation
Units
Speaker Crossover
Kits
Speaker \& Speaker Systems .........41-61
Stereo
Compacts 10,92-95
Systems $10,18,19$, 22-30, 92-95, 135, 151
Tape Decks ...110, 468
Tape Players …...9,96
Tape Recorders …... 10 $96,104,108.110$
$\begin{array}{ll}\text { Test Record } & \ldots . . .785 \\ \text { Tone Arms } & 81\end{array}$
Tuners .....9, 20, 21,31,

| Tuner Kits |
| :--- |
| Turntables |
| _....... 67.69, | Molst Minlature 67-69, 72 Morn, Auto … ........ 397

HOW TO ORDER
408, 409

| IF Transformers ...287-289 |  |
| :---: | :---: |
| Ignition Systems | Systems .... 394 |
| Insect Killer $\qquad$ Inspection |  |
|  |  |
| Light |  |
| Mirror | 366 |
| Insulation, Acoustic .... 85 |  |
| Insulators  <br> Stand-off 326 |  |
|  |  |
| Integrated Circuits |  |
|  | 214, 216 |
| INTERCOMS |  |
|  191-195 <br> Cable $291-293$ <br> Speakers  |  |
|  |  |
|  |  |
| Interference filters$282,286,322,433 .$ |  |
|  |  |
|  |  |
| Inverter ...... 400,401 |  |
| Intrusion Alarms 357-359 |  |
| J |  |
| JACKS |  |
| Banana ................ 269 |  |
| D.C. Power ....... . 446 |  |
| Phone | 270, 271 |
| Prono 270, 271 | 270, 271 |
| Tip … . 269 |  |
| Jig Saw | 373,376 |



## KITS

Aircraft Receiver $\quad 207$ | Amplifier | $36-38,204$, |
| :--- | ---: |
| Antenna | $206-210$ | Antenna

Installation 293, 325 Audio Generator .... 232 Battery Tester ...... 230 Bias Supply
Black Light
Bongo
Bridge, RC
Broadcast Amplifier 20
Broadcast Radio ${ }^{205,207}$. 65 ,
205, 207. 210
Cabinet
Capacito 233, 234
Capacitof Substltution
Box
232,242 Chemical …............. 213 Code Practice
Oscillator

210. 215, Color Organ 10, 39, 207 Computer … 204, 214 Converter 206, 210, 432 | Darkroom |
| :--- |
| Electroplating |
| …...... | $\begin{array}{lr}\text { Enclosure } & 62,63 \\ \text { Engine Analyzer } \quad 233\end{array}$ $\begin{array}{ll}\text { Engine Analyzer } & 233 \\ \text { Experimenter } & 202,\end{array}$ 203, 207, 210, 212

## Flyback and Yoke

Tester $\quad . \quad 233$
Fuzz Box …................ 210
Grid-dilp Meter ........ 432 Integrated Circuits

|  | 214, 215 |
| :---: | :---: |
| Intercom | . 211 |
| Jewelry Making | 212 |
| Keyer | 430 |
| Lettering | 307 |
| Mineral | 211 |
| Motor Control | 210 |
| Oscilloscope | 234 |
| Police/fire |  |

Power Supply $\quad 21 . . .209$, Preampitfier 36, 37, 206 Printed Circult
Probes 208-210, 238
230, 234
Psychedelic Lights
207,210 $\begin{array}{lr}\text { R-C Substltution } \\ \text { Box } & 233 \\ \text { Receiver } & 38\end{array}$ Receiver
Rock Polisher .......... 212 Rocket Short Wave Recelver

203, 205, 210
Signal Generator
Signal Tracer $\begin{array}{r}232-234 \\ 232,234\end{array}$ Speaker Enclosure . 62,

Strobe Light $\quad 39,207$ Tape Editing ..121, 122,
Tape Maintenance 122 ,
Teknikits 126.128
Transmitter $\quad . \quad 411$
Transistor Diode
Checker 231, 234
Treasure finder ...209, 210
Tube Tester $\quad 231,210$
Tuners ...............37, 38
VTVM $\quad . \quad . \quad . \quad . \quad . \quad 230$

| Wireless |  |
| :--- | ---: |
| Mike |  |
| Voice Operated | 207,210 |
| Yo | 210 |

Yoke Tester ….... 233

## Knobs

369. 385

| L-Pads <br> Label Maker | 276. 277 |
| :---: | :---: |
| Labeling Tape | 360 |


| LAMPS |  |
| :--- | ---: |
| Adjustable | 348,349 |
| Auto | 396,398 |
| Driving | .398 |
| Fluorescent | $\ldots .348$, |
|  | 349,353 |


|  | 349. 353 |
| :---: | :---: |
| Fixtures | . 352 |
| Migh Intensity | 348 |
| Inspection ... | 327. 349 |

## Language Records … 301

Lantern ................. 353
Lathe
Lettering Kits $\quad 369$
Levels $\quad 366$

Levelling Kit. Phono 84, 85
Light Translators $\begin{array}{r}160,169 \\ \hline 169\end{array}$
Lightning Arrestors ... 326

## LINE CORDS

$\begin{array}{lr}\text { Appliance } & 291 \\ \text { TV } & 298\end{array}$
Line Voltage Tester .... 223
Locks 224, 23 35
Lubricants ... 128, 329, 402

| M |  |
| :--- | ---: |
|  |  |
| Magnets <br> Magnifiers <br> Marine <br> Equipment | 385, |
| Masts, TV <br> Megaphone, <br> Mower | 415 |


| Melodicas .... ............ 169 |  |
| :---: | :---: |
| Memory Card File | Fle ...... 204 |
| Mercury Batteries ..... 256 |  |
| METERS |  |
| Elapsed Time ....... 237 |  |
| Exposure | 346 |
| Field Strength ....... 463 |  |
| Flow (Water) - 390 |  |
| Frequency | 236 |
| Panel |  |
| RF ...................... 463 |  |
|  |  |
| "S" | 463 |
| Stereo Balance .... 85 |  |
| Tuning | 235 |
| VU -...e........... 235 |  |
| Metronome |  |
|  |  |
| Microammeter ........ 235 |  |
| MICROPHONES |  |
|  | 182-189 |
| Accessories ...181.184, |  |
| Cable |  |
|  |  |
| Cartridges -.......... 184 |  |
| Connectors ............ 268 |  |
| Mixers .........181,184 |  |
|  |  |
| Stands \& |  |
| Transformers .189, 263 |  |
|  |  |
| MICROSCOPES |  |
| Accessories |  |
| lluminator | 411 |
| Stylus |  |
| Inspection ........... 84 |  |
| Milfiammeter | 235-237 |
| Minibikes 347 |  |
| Mixers 181, 184 |  |
| Modules, Solid-State 206,207,215 |  |
|  |  |
| Monitors, Aircraft ..... 421 |  |
| Police .................. 421 |  |
| MOTORS |  |
| Phono 356, 370 |  |
| Phono |  |
| Speed Controi 210, 373 |  |
| Movie Cameras 336, 337 |  |
| Editor ................. 339 |  |
| Lamps .......- ........... 339 |  |
| Projector ............... 338 |  |
| Screen ................... 339 |  |
| Outfits …............ 336 |  |
| Viewer - .-....... 339 |  |
| Musical Instruments 157 158, 160-162, 169 |  |
|  |  |
| Accessories ........ 160. |  |
|  | 163.169 |
| Microphones ........ 185 |  |


| $N$ |
| :--- |
| Needles |
| Neon Lamps |
| Sockets |
| Networks, |
| Crossover |

Networks, Crossover
(See Crossovers)
Nibbling Tool
Batteries ….... 256-258 Noise
Suppressors .. 133, 327
437, 446
Novatron ..................... 211
Nut Cracker …............ 384
Nut Drivers .........383, 384

| PRINTED CIRCUITS |  |
| :---: | :---: |
|  | 238, 239 |
| Boards | 238, 239 |
| Connectors | S $\quad . \quad 238,239$ |
| Sockets | 266 |
| Kits | 208-210. 238 |
| Supplies | 238, 239 |
| Probes ....... 2 | 226, 230, 269 |
| Projectors |  |
| Movie | 338 |
| Opaque | 415 |
| Slide | 340 |

PUBLIC ADDRESS

Accessories …..177, 179 | Amplifiers | ….171, 172, |
| :--- | ---: |
| Baffies | $174-176$ |

| Megaphones $\quad \therefore 177,212$ |  |
| :---: | :---: |
| Microphones | 182, 183. |
|  |  |
| Mirer-Preamps 181, 184 |  |
| Pochet Pager ........... 447 |  |
| Speakers | 177-179 |
| Systems 171-174.176 |  |
| mps |  |
| Submer |  |
| nches | 29 |
| Chassis |  |
|  |  |
| RACKS |  |
| Steel |  |
| Radar Dete |  |
| RADIO CONTROL EQUIPMENT |  |
| Airplane ............... 201 |  |
|  |  |
| Garage Door Dpener 402 |  |
| Systems and Accessories |  |
|  |  |
| RADIOS <br> (Also See Receivers) <br> Automobile 118, 135-138 |  |
|  |  |
|  |  |
| $\begin{array}{lr} \text { Marine } & 139,145 \\ & 148,150 \end{array}$ |  |
|  |  |
| Portable $11,11,89,97$,$101,115,138,139$. |  |
|  |  |
| 142-150.417 |  |
| Table .......88. 142. 143. |  |
|  |  |
| Radio-Telephone | 437 |
| Rain Gauge ....... 333 |  |
| Reamers ................ 377 |  |
| -RECEIVERS |  |
| Aircralt $\quad 148.150$ |  |
| $\begin{aligned} & \text { Commuications } \\ & 423-425,427,428 \end{aligned}$ |  |
|  |  |
| Fire/Police 417.146 .150, |  |
|  |  |
| FM 10.10 |  |
| $\text { FM-AM } \begin{gathered} 2,4,10,33, \\ 34,111,144.151 \end{gathered}$ |  |
|  |  |

RECORDS
Adaptors .66, 67, 71, 80
Albums
Cabinets …............ 65
Care Accessorles 82.84 Changers 66-72. 89 Code Practice ........ 430
Foreign Language ... 301
Guitar instruction . 169
Slides

RECORDERS, TAPE
96-108, 112
118. 119, 138

Recording Tapes
124, 127, 130, 131
RECTIFIERS
Meter
Rectilier Mounting
Kits
Sillcon
235
Sillicon $\quad$ 215-217
Tape $\quad 339$
Refractometer, Sugar 416
Refrigerators ...... 347
RELAYS

Cleaning Tools | 244.245 |
| :--- |
| ..$+\ldots 24$ | Remote Control Equipment (See Raslo Control)

## Remote Control

(Switches) $\quad 350$
Remote TV/Radio
Earphone Adapters .. 198

| RESISTONS |  |
| :--- | ---: |
| Adjustable | 259,260 |
| Assortment | 260 |
| Color Code | Guide |
| Fusible | 259 |
| Power | 328 |
| Substitution Box | 260 |
|  | 252 |
| Reverberation Equipment |  |

Reverberation Equipment
33, 57, 134, 165-167
RF Generators 221, 232


Semiconductor Analyzer
Shaft Coupling … $\quad 243$

## SHIPPING INSTRUCTIONS

408, 409


$\begin{array}{ll}\text { Cable } & 266 \\ \text { Crystal } & 433 \\ \text { Pilot Light } & 247\end{array}$
Printed Circult .-... 266
$\begin{array}{lr}\text { Relay } & 267 \\ \text { Transistor } & -\quad 266 \\ \text { Tube } & 266\end{array}$
Tube
Socke! Wrenches $\quad . \quad 366$
Solar Cellis

## SOLDERING

## EQUIPMEMT

Accessories ..... 362.365
Guns \& Irons .... 362.365
Solder
Alds 36............3,365
Sound Reproducer

## SPEAKERS

Auto
Ceiling \& wall 56.179

$\mathrm{Hi} \cdot \mathrm{FI}$ …..........41-58
Extension 56, 272
Musical instruments 168
$\begin{array}{lr}\text { Outdoors } & 177,178 \\ \text { P. } . \quad . \quad 1777179\end{array}$
Pillow 198. 200
$\begin{array}{llll}\text { Replacement } & 272 \\ \text { Systems } & 41-49 & 57-51\end{array}$
Trumpets $-\quad 168,178$
Tweeters $\quad . \quad . \quad . \quad . \quad . \quad .53-\ldots$

## SPEAKER

ACCESSORIES

| Acoustic Padding |
| :--- |
| Cabie |
| Cal |
| Cor |
| 290, |$\quad 291$

Controls


STEREO EQUIPMENT (See Mi Fidelity) $\begin{array}{lrr}\text { Store Addresses } & 12 \\ \text { Strobe Lights } & \ldots 9,342 \\ \text { Styll } & & 77,82,83\end{array}$ 8rush $\quad .83,84$ | Microscopes |  |
| :--- | :--- |
| Pressure Gauges - | 84 | Pressure Gauges $-\quad .89$

Submersible Pump $\ldots . .-990$
SWITCHES
Antenna 329, 433, 445
Automatic Light $\quad 280$
Coaxial $\quad 433,345$

Delayed Action 433, 245
$\begin{array}{ll}\text { Delayed Action } & . . .-280 \\ \text { Dimmer (Light) } & 351\end{array}$
foot 120, 167, 278, 356
$\begin{array}{ll}\text { Intercom } & 280,281 \\ \text { Knife } & 281,329\end{array}$
lever ….....280, 281
lock … ................. 281

| Mercury |  |
| :--- | ---: |
| Momentary | 289 |
| Phot | 281 |

$\begin{array}{lll}\text { Photoelectric } & 357 \\ \text { Potentiometer } & \ldots . . & 274\end{array}$
Proximity .....207,281
Push-Eutton - 280, 281

Rotary ….................. 281
Slide
Speaker 28...........280, 281
Stepping
Time
Time
Toggle $\quad 278,280$
Whistle -- $\quad 280$
Switch Plates $-1 . \quad 278$
SWR Neter $-\quad 432,445$
T. Tads 276, 277
$\begin{aligned} & \text { Tachomeler 392, 393, 395 } \\ & \text { Tap and Dies }\end{aligned}+\begin{aligned} & \text { 381 }\end{aligned}$

Cartridges $\quad . . .121,123$. 124,132

Cassettes $121.122,132$
Demarnetizer 122,124
Editīng Kit ... 121, 122

| Electrical | 122129 |
| :--- | ---: |
| Eraser | 126,129 |


| Heads ................. 132 |
| :---: |
|  |  |

Leader \& Timing 115,128
128, 129. 131
$\begin{array}{rr}\text { Prerecorded } & 119,123, \\ 130,132\end{array}$
Recording 121, 124, 127
Reels
Sensing
Spli............. 127
Splicer -....... 121,122.
Test $\ldots-$ 120.126.128
TAPE RECORDING
EQUIPMENT
Accessories $\begin{aligned} & 120,122, \\ & 124.130,185\end{aligned}$
Auto, Portable Player
$99-103,105,113-118$ Decks $103,110,468$
Home Player $. . .9,111$.
Home Player $\quad . \quad 110,111$.
$\begin{array}{lr}\text { Heads } & 110.1152 \\ \text { Recorders } & 96-119\end{array}$
Stereo Tape Head
Conversion Kits - 132
Taps \& Oies 193 195, 381

| Telephones |  |
| :---: | :---: |
| Amplifier | 193,195, |

## Answering Equipment

| Ertension Cord $\quad 197$ |
| :--- |
| 196 |

Intercom .........195, 196
Pichup 122, 126, 129
$\begin{array}{r}\text { Recorder } \\ \text { Telescopes }\end{array} \ldots . \quad 197$
Accessories $\quad . \quad . \quad . \quad 15$

## TELEVISION

Alignment Tools ... 366

Anternas
302-31
Antenna Couplers . 322.
Attenuators _-322, 323,
Black \& White $\quad 140$
Boasters … 31e-320

| Cheater Cord | 328 |
| :--- | :--- |
| Cloch |  |

Close Circuit Camera

| Color Set $\begin{array}{l}170 \\ \text { Controls }\end{array} \quad . \quad 141.142$ |
| :--- |

Degausser …......... 329
Ofstribution Units 318
Extension Speakers 56 ,
Harness Kits $\quad \begin{array}{r}287.288 \\ \hline\end{array}$
I.F. Colls $\quad . \quad 287.289$
Knobs

Masts
Matching Transformer
$\begin{array}{lr} & 323 \\ \text { Noise Filter } & 327 \\ \text { Picter }\end{array}$
Picture Tubes 248, 249
Picture Tube
Brightener
Picture Tube Testel/ ${ }^{328}$
Rejuvenator 228, 231,

## Rotors $\quad 320 \quad 321$

Sound stabilizer $\quad 332$

| Sound Stabilizer | 332 |
| :--- | :--- |
| Splitter | 322. |
| 223 |  |

Towers
Tuner
Twin Line _-.... 290, 293

Voltage Regulator 328 | UHF Converters ....... 317 |
| :--- |

$\begin{array}{ll}\text { Templetes } & 241.367\end{array}$
Terminal strips ......... 241
TEST EQUIPMENT
(See Item Wanted)
Test Leads $-\quad 223.230$,
232. 265

| Batlery | 230 |
| :--- | ---: |
| Tube 22, 231. | 232. |
| Transistor | 234 |
| In | 232. | Thermometers $\quad 332.395$ Timers

Timing Light
Tinn
342, 35e-356
392
Tire Cleats $\quad . \quad 398$
TOOLS 361.390


TRANSFORMERS 263
$\begin{array}{lr}\text { Air Conditioner } & 263 \\ \text { Audio } & 261\end{array}$
Auto
Bell
260. 263

| Control $-\quad 262$ |
| :--- |
| Oriver |
| Pr |

If
If
Input

Intercom …............. 262

Line --....-.......- 178
Matching (See Llnet)
Microphone
Modulation …........ 263
Rectifler
Step-Down
Transistor $\quad$ TV Matching $\quad . \quad . \quad 261$
Voriable .....260, 263
Voltage Regulator
Variable
Voltage Regulator. 260,263
263,

## TRANSISTORS

Heat Sinks 214-217
Heat Sinks 214, 217
Mounting Kits 216, 217
Testers
228. 231. 234

Transit
Transmitters
Kits
Transmitting Colls $\quad 430$
Transmitting Colis .433
Treasure Finder 209, 210
Tripods. Camera 339, 345

## TUBE

| Adapters |  |
| :---: | :---: |
| Brighteners | 328 |
| Caddy | 249 |
| Cooling Fan | 85, 331. |
|  | 356, 391 |
| Manuals | 255 |
| Pin Straighteners |  |
| Pullers | 25 |
| Saver |  |
| Shields |  |
| Sockets |  |
| Testers |  |
|  | 1, 232. |

TUBES
Picture, TV .....248, 249
Receiving 250-255
Special Purpose ..... 249
TUNERS

$\begin{array}{lr}\text { UHF Converters } & 317 \\ \text { UHF Receivers } & \ldots \\ \text { Ultrasonic Alarms } & .319 \\ \text { Ultrasonic Cleaners } & . . .419 \\ \text { Ultra Violet Light } & .416\end{array}$

V
Vacuum Cleaner ..379, 399
Vacuum Gauge
Variable Voltage
Tramsformers 260,263
VFO's
Vibrators
Vises
Vises
Voltage Regulators .... 263
Voltmeters …....224, 235
VOLUAE CONTROLS
274-277
Accessories ... 274-276
VOM'S
218-220, 226, 227, 230

Vu Meters

| 11 P1 | 32 |
| :---: | :---: |
| Wallite-Taltie | 153-457 |
| Accessories | 457 |
| Watches | 334. 335 |
| Waterfall Kit |  |
| Wattmeter |  |

Weather Instruments 332, Welders Wire Bending Jig ....... 367

## WIRE \& CABLE

Antenna 290,291

| 293, | 323, |
| :--- | ---: |
| Appliance | 438,439 |
| Coaxial | 290,291 |
|  | 438,439 |

Extension Cords _... 352
Hook-Up

## Intercom

tine $\quad$ 291-293
Lltz …....................... 291

Microphone "86,87, 292 Phono $\quad 291,292$ Phone Shieloing
Speaker Telephone Test Prod
Twin Line
Wire Strippers

Wiretess Broadicaster


207, 210
Woofers …........... 53, 54
Work Benches ... 366, 388
Wrenches $\quad 386,387$

Y
Yoke Checkers
233
$Z$
Zener Diodes

## INDEX TO MANUFACTURERS




|  |
| :---: |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |



Criterion
Crown Cushcraft $\quad 434,441$
Cutler Hammer

| $\square$ |  |
| :---: | :---: |
| Datak | 307 |
| Dearborn | 352 |
| Dejur | 337, 338 |
| Delta | 358, 394 |
| Dexion | . 388 |
| Dixson | 392 |
| Dover | 297 |
| Dow Key | 244 |
| Draftette | 306 |
| Drake, R. | L. $\quad 428-430$ |
| Dremel | -368-370 |
| Duas | -. 67 |
| Dwyer | 33 |
| Dymo | 360 |
| Dynaco | 36, 37, 59 |
| Dynamic | - - 361 |



| 6 |  |
| :---: | :---: |
| GAF | 338 |
| Garrard | 68-71 |
| Gavin | 317 |
| General | Cement . 365 |
|  | 366 |
| General | Electric ... 217. |
|  | 248, 249, |
|  | 251-255, 297 |
| Geniac ................ 204 |  |
| GernsbackGilbert |  |
|  |  |
| G.L./Tab ..... 298, 304 |  |
| Grado .................. 77 |  |
| Greeniee .............. 381 |  |
| Gulton ...........353, 359 |  |
|  |  |
| H |  |
| Hallicrafters ..... 428 |  |
| Hammar | rlund 242, 428 |


| Harman-Kardon | 61 |
| :--- | ---: |
| Hart-Advance | 245 |
| Hart \& Hegeman | 281 |
| Hayden-Rider | 297, |
| Hillburn | 298,301 |
| Hirsch | 245 |
| Hitachi | 388 |
| Hohner | ... |
| Hy-Charge | 118 |
| Hy-Gain | 424, |
|  | 4344 |
|  | 435,443 |


| N |  |
| :---: | :---: |
| National | 243,289 |
| New-Tronics | - |
| Nordmende | 139 |
| Norelco . 100 | , 101, 103 |
| Nortronics | 132 |
| 0 |  |
| Ohmite | 259 |
| On-Guard | 358, 396 |
| Oryx-Telvac | 363 |
| $P$ |  |
| Panasonic $\begin{array}{r}89,100, \\ 102,107,138\end{array}$ |  |
| Paragon | 356 |
| Perma Power ..... 263 |  |
| Philmore | 205 |
| Pickering ................ 76 |  |
| Polaroid | 345 |
| Pomona .............. 266 |  |
| Porter | 211 |
| Potter and Brumfield |  |
|  | 242 |
| Powerhouse ......... 177 |  |
| Premier .-....... 294 |  |
| 0 |  |
| Quatron ............. 115 |  |
| $R$ |  |
| Radlo Publications |  |
|  | 298, 371 |
| RangerRaytheon |  |
|  |  |
| RCA ..... 214 | 217. 223, |
| 224, 226, 228, 229. |  |
| $297$ |  |
|  |  |
| Rectilinear ......... 61 |  |
| Regency .- 419,421 |  |
| Rembrandt 316,329 |  |
| Remington …….. 381 |  |
| Renwal …….......... 213 |  |
| Rhodes ….............. 355 |  |
| Rider .............300, 301 |  |
| Roberts |  |
|  |  |
| Robins ...84, 122, 128, |  |
| Royal | 330 |

Sonotone
Sony 103, 107-109 South River $118,140,141,143$
Spaulding ............... 326
Sprague 229, 282-284,

| Sprayit | $\mathbf{3 8 9}$ |
| :--- | ---: |
| Spyraline | 365 |

Staco, Inc. .........262, 260
Stancor
Standard-Kollsman 329
$\begin{array}{ll}\text { Stanton } \\ \text { Superex } & 75,198,322, \\ 430\end{array}$
$\begin{array}{lr}\text { Supreme } & 304 \\ \text { Swan } & 429,435 \\ \text { Swingline } & 379,384 \\ \text { Switchcraft } & 87,270 \\ & 271,281\end{array}$


| U |  |
| :---: | :---: |
| Ulitablitz |  |
| Ungar | 364,365 |
| Unimat 369 |  |
| Unimetrics 170,227 |  |
| United Audio |  |
| University |  |
| Utah .........57, 177-179 |  |
|  |  |



Magnus
Mallory ..................4315, 256 Sams Publications $\quad 203$
$297-299,302 ; 303$
amo

| Sangamo |
| :--- |
| Sarkes-Tarzian $\quad . . . . \quad 265$ |


| Sawyers |
| :--- |
| Schauer |
| …............ |



Xcelite
383
Motorola $\quad . \quad . \quad 214,216$, Smith, H. H. $372,37.269$

Mueller
Mullard.........................$~$
265

# You Can Depend On LAFAYETTE. ....for Your Complete Satisfaction 

When you buy from Lafayette, you buy with confidence. Lafayette's pledge to you, of "Satisfaction Guaranteed or Money Refunded," is your assurance that we mean what we say. For 50 years we have kept this pledge to you. and shall continue to do so in the future.

## LAFAYETTE AAA GUARANTY

## LAFAYETTE HIGH FIDELITY SPEAKERS $=5$ YEARS LAFAYETTE HIGH FIDELITY RECEIVERS $=2$ YEARS LAFAYETTE HIGH FIDELITY TUNERS $=2$ YEARS LAFAYETTE HIGH FIDELITY AMPLLIFIERS $=2$ YEARS

All Lafayette high fidelity components identified as covered by Lafayette's AAA guaranty are guaranteed to be free of defects in material or workmanship from the date of sale for the time period shown above. During that period we will repair (or at our option replace) them without charge for either material or labor. Material must be returned prepaid to us for our inspection. This guaranty does not apply to items which have been subjected to misuse, abuse, alteration. repair without our authorization or used in violation of operating instructions, nor to normal wear and tear. The speaker guaranty does not cover external parts such as cabinets, grille cloth etc. Serial number must not be defaced. Guaranty is not transferrable.

## OTHER GUARANTEES

All merchandise not covered either by the special guarantees on this page or by other specific guarantees in the catalog are covered by a 90 day repair or replacement kuarantee (at our option) against defects in material or workmanship.

## LAFAYETTE AAM GUARANTY

This guaranty covers Lafayelte items so indicated in our catalog which contain several integrated sections in a single unlt 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 abuser-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 especialty for you.

## HOW TO RETURN MERCHANDISE

## (Merchandise Returned Must be in New Condition)

We want you to be completaty satisfied with every item you purchased irom us. If there is an irregularity in your shipment and you find it necessary to refurn 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 pestage) and add an additional $6 c$ postage. Do not send the letter separately; it will delay our speedy adjustment handling.
3) Pack the merchandise securely and send to:

Customer's Service Dept.
LAFAYETTE RADIO ELECTRONICS,
111 Jericho Turnpike,
Syossel, L.I., N.Y. 11791
4) For your protection, report damaged receipts to your postman and enclose his report with your papers.

## BY EXPRESS OR TRUCK

If your shipment is received damaged, ohtain 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 livoices with merchandise received. You will find explanations on your order papers about how your order has been handled. Sometimes merchandise arrives thefore or after order papers. Please wait until you have both before writing. If you write. be sure to include all papers concerning the order. Please give names of items, catalog numbers, quantity, color, price, and any special information you think necessary. The more details you give us, the more quickly your adjustment wilt 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 Intermational Sales Olvision for de. tait's (See page 6).

## HOW TO ESTIMATE PARCEL POST CHARGES

## PARCEL POST SHIPMENT

Parcel Post Rate Chart Items Keyed "WUX" or "WX" are not shippable Parcel Post (Example $=18.0182 W \mathrm{X}$ ). Figure Parcel Post Charges only for items not keyed $W X$ or WUX. (See REA Express information.)
Up to 16 oz ., all zones allow 6 c for first 2 oz . 24 for each additional $0 z$. Find the weight of your merchandise in the extreme left-hand column of the chart at left. Pay the amount listed for Parcel Post shipment to your zone. A fraction of a pound is charged as a full lb . For example, if the weight is 6 lbs and 1 oz . to Zone 3, postage would be for 7 ibs. 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 girth)


| WEIGHT <br> ILb. E Nol Erceeding | Lotal | $\begin{aligned} & \text { Ist } 8 \text { 2nd } \\ & \text { Zone up } \\ & \text { fo } 150 \mathrm{mi} \text {. } \end{aligned}$ | 3nd Zome $150 \%$ 300 mi . | 4th Zone 300 \% 600 mi | Sth Zone 600 \% 0 1000 mi . | $\begin{aligned} & \text { 6th } 2 \text { one } \\ & 1000 \text { 10 } \\ & 1400 \mathrm{mi} . \end{aligned}$ | $\begin{aligned} & \text { 7th Zone } \\ & 1400 \text { 10 } \\ & 1800 \mathrm{mi} \text {. } \end{aligned}$ | 信 Zone Over 1800 mi . |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | \$0.60 | \$0.65 | \$0.70 | \$0.75 | \$0.80 | \$0.90 | \$1.00 | \$1.05 |
| 3 | . 60 | . 75 | . 80 | . 85 | . 95 | 1.10 | 1.20 | 1.35 |
| 4 | . 65 | . 80 | . 85 | . 95 | 1.10 | 1.30 | 1.40 | 1.60 |
| 5 | . 70 | . 85 | . 90 | 1.05 | 1.20 | 1.45 | 1.65 | 1.90 |
| 6 | 70 | . 95 | 1.00 | 1.15 | 1.35 | 1.60 | 1.85 | 2.10 |
| 7 | . 75 | 1.05 | 1.10 | 1.25 | 1.50 | 1.75 | 2.10 | 2.35 |
| 8 | 75 | 1.10 | 1.15 | 1.35 | 1.60 | 1.30 | 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 |  |  |  |  |
| 12 | . 85 | 1.30 | 1.45 | 1.70 | 2.10 | 2.45 | 2.85 3.05 | 3.55 |
| 13 | . 85 | 1.35 | 1.55 | 1.80 | 2.20 | 2.60 | 3.05 3.25 | 3.80 |
| 14 | . 90 | 1.40 | 1.60 | 1.90 | 2.35 | 2.75 | 3.45 3.45 | 4.00 |
| 15 | . 90 | 1.45 | 1.65 | 2.00 | 2.45 | 2.85 | 3.60 | 4.20 |
|  | . 95 | 1.55 | 1.75 | 2.05 | 2.55 | 2.95 | 3.80 | 4.40 |
| 17 | 1,00 | 1.60 | 1.80 | 2.15 | 2.65 | 3.10 | 3.95 | 4.60 |
| 18 | 1.00 | 1.65 | 1.90 | 2.20 | 2.75 | 3.20 | 4.15 | 4.80 |
| 19 | 1.05 | 1.70 | 2.00 | 2.30 | 2.85 | 3.35 | 4.30 | 5.00 |
| 20 | 1.05 | 1.75 | 2.05 | 2.40 | 2.95 | 3.50 | 4.50 | 5.20 |


| For Each | Add | Add | Add | Add | Add | Add | Add | Add |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Extra Lb | 5 c | 5 c | 5 c | 10 c | 10 c | 15 c | 15 c | 20 c |

A. Above rates effective Nov. 14, 1970-Use previous catalog or consurt local Dostmaster for old rates. Any excess money refunded.

## ABOUT C.O.D. ORDERS (Minimum Order $\$ 10.00$ )

If you order C.O.D., the post office collects a handing charge, plus a money order fee, in addition to the regular parcel post charge. (We cannol accept COO'S for APO's,

FPO's or for special-order merchandise). The extra C.O.D. fees are:

PARCEL POST C.O.O. FEES:
$\$ 10.01$ to $\$ 25.00$
$\$ 25.01$ to $\$ 50.00$........... $\$ 0$. $\$ 50.01$ to $\$ 100.00$ $.90 \quad \$ 100.01$ to $\$ 200.00 \quad . . . .1 .10$

MONEY ORDER FEES:
From 10.01 to 50.00
From 50.01 to 100.00

## UNITED PARCEL DELIVERY

United Parcel Service Rate Chart (use if an "appears next if your area is serviced by UPS and the service or rates are to Zip Code). Items Keyed "WX" are not shippable UPS. (See REA Express information.) to your benefit, we will route your order via United Parcel to your benefi, 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 | RATES TO |  |  |  |  |  | WEIGHT <br> NOT 70 <br> EXCEED | RATES TO |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| EXCEED | ZONE 2 | ZONE 3 | ZONE 4 | ZONE 5 | ZONE 6 | LONE 7 |  | ZONE 2 | LONE 3 | 2ONE 4 | ZONE 5 | ZONE 6 | 20NE 7 |
| 1 lb . | \$ .50 | \$ 51 | \$. 53 | \$.55 |  | \$ .60 | 2616. | \$1.62 | \$2.01 | \$2.53 | \$3.05 | \$3.57 | \$4.35 |
| 2 fb . | . 54 | . 57 | . 61 | . 65 | . 69 | . 75 | 27 tb . | 1.67 | 2.07 | 2.61 | 3.15 | 3.69 | 4.50 |
| 3 lb . | . 59 | . 63 | . 69 | . 75 | . 81 | . 90 | 28 lb . | 1.71 | 2.13 | 2.69 | 3.25 | 3.81 | 4.65 |
| 4 lb . | . 63 | . 69 | 77 | . 85 | . 93 | 1.05 | 29 lb . | 1.76 | 2.19 | 2.77 | 3.35 | 3.93 | 4.80 |
| 5 lb . | . 68 | . 75 | 85 | . 95 | 1.05 | 1.20 | 30 lb . | 1.80 | 2.25 | 2.85 | 3.45 | 4.05 | 4.95 |
| 6 lb . | . 72 | . 81 | . 93 | 1.05 | 1.17 | 1.35 | 31 lb . | 1.85 | 2.31 | 2.93 | 3.55 | 4.17 | 5.10 |
| 7 lb | . 77 | . 87 | 1.01 | 1.15 | 1.20 | 1.50 | 32 lb . | 1.89 | 2.37 | 3.01 | 3.65 | 4.29 | 5.25 |
| 810. | . 81 | . 93 | 1.09 | 1.25 | 1.41 | 1.65 | 33 lb . | 1.94 | 2.43 | 3.09 | 3.75 | 4.41 | 5.40 |
| 9 lb . | . 86 | . 99 | 1.17 | 1.35 | 1.53 | 1.80 | 34 tb . | 1.98 | 2.49 | 3.17 | 3.85 | 4.53 | 5.55 |
| 10 tb . | . 90 | 1.05 | 1.25 | 1.45 | 1.65 | 1.95 | 35 lb . | 2.03 | 2.55 | 3.25 | 3.95 | 4.65 | 5.70 |
| 11 lb . | . 95 | 1.11 | 1.33 | 1.55 | 1.77 | 2.10 | 36 lb . | 2.07 | 2.61 | 3.33 | 4.05 | 4.77 | 5.85 |
| 12 lb. | . 99 | 1.17 | 1.41 | 1.65 | 1.89 | 2.25 | 37 lb. | 2.12 | 2.67 | 3.41 | 4.15 | 4.89 | 6.00 |
| 13 tb . | 1.04 | 1.23 | 1.49 | 1.75 | 2.01 | 2.40 | 38 tb . | 2.16 | 2.73 | 3.49 | 4.25 | 5.01 | 6.15 |
| 14 lb . | 1.08 | 1.29 | 1.57 | 1.85 | 2.13 | 2.55 | 39 lb . | 2.21 | 2.79 | 3.57 | 4.35 | 5.13 | 6.30 |
| 15 lb . | 1.13 | 1.35 | 1.65 | 1.95 | 2.25 | 2.70 | 40 lb . | 2.25 | 2.85 | 3.65 | 4.45 | 5.25 | 6.45 |
| 16 lb . | 1.17 | 1.41 |  | 2.05 | 2.37 | 2.85 | 41 lb . | 2.30 | 2.91 | 3.73 | 4.55 | 5.37 | 6.60 |
| 17 lb . | 1.22 | 1.47 | 1.81 | 2.15 | 2.49 | 3.00 | 42 lb . | 2.34 | 2.97 | 3.81 | 4.65 | 5.49 | 6.75 |
| 18 tb . | 1.26 | 1.53 | 1.89 | 2.25 | 2.61 | 3.15 | 43 ib . | 2.39 | 3.03 | 3.89 | 4.75 | 5.61 | 6.90 |
| 19 lb . | 1.31 | 1.59 | 1.97 | 2.35 | 2.73 | 3.30 | 44 ib . | 2.43 | 3.09 | 3.97 | 4.85 | 5.73 | 7.05 |
| 20 lb. | 1.35 | 1.65 | 2.05 | 2.45 | 2.85 | 3.45 | 45 lb . | 2.48 | 3.15 | 4.05 | 4.95 | 5.85 | 7.20 |
| 21 lb . | 1.40 | 1.71 | 2.13 | 2.55 | 2.97 | 3.60 | 46 tb . | 2.52 | 3.21 | 4.13 | 5.05 | 5.97 | 7.35 |
| 22 lb . | 1.44 | 1.77 | 2.21 | 2.65 | 3.09 | 3.75 | 47 lb . | 2.57 | 3.27 | 4.21 | 5.15 | 6.09 | 7.50 |
| 23 lb . | 1.49 | 1.83 | 2.29 | 2.75 | 3.21 | 3.90 | 48 fb . | 2.61 | 3.33 | 4.29 | 5.25 | 6.21 | 7.65 |
| 24 lb . | 1.53 | 8.89 | 2.37 | 2.85 | 3.33 | 4.05 | 49 lb . | 2.66 | 3.39 | 4.37 | 5.35 | 6.33 | 7.80 |
| 25 lb . | 1.58 | 1.95 | 2.45 | 2.95 | 3.45 | 4.20 | 50 ib . | 2.70 | 3.45 | 4.45 | 5.45 | 6.45 | 7.95 |

Additional charge for each COD delivery, 65 cents
WEIGHT ANO SIZE LIMITS.
Maximum Weight per package, 50 POUNDS.
Maximum Weight of all packages from one shipper to one consignee in one day, 100 pounds.

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.

## SHIPPING AND DELIVERY INFORMATION

Use our Order Blank ... To assure fast delivery fill in all iniormation 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 zone. 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. We refund any excess.

COD Orders
Ordering by 600 is mare expensive for you. You pay an extra fee (see COD Chart). For COO orders you must send a deposit and pay the balance when your package arrives. No COO'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.

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 2HP Code are included in this chart, and to the right thereot 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 Prefixes | Zone | Zip Code Prefixes | Zone | Zip Code Prefixes | Zone | Zip Code Prefixes | Zone | Zip Code Prefixes | Zone |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| -006-009 | 7 | *080.086 | 2 | -178-199 | 2 | - 339 | 6 | -469 | 5 | 577 | 7 | 756.762 | 6 |
| -010-0:3 | 2 | *087.098 | 1 |  |  | - 350.364 | 5 | - 470 | 4 | 580-585 | 6 | 763-770 | 7 |
| . 014 | 3 |  |  | -200-218 | 3 | * 365-366 | 6 | - 471.472 | 5 | 586.593 | 7 | 773 | 6 |
| *015-018 | 2 | -100.116 | 1 | - 219 | 2 | + 367-374 | 5 | - 473 | 4 | 594-599 | 8 | 774-775 | 7 |
| - 019 | 3 | -117-118 | 1 | - 2220.238 | 3 | - 376 | 4 | - 474-479 | 5 |  |  | 776.777 | 6 |
| - 020-024 | 2 | -119.127 | 2 | - 239.253 | 4 | - 377 -385 | 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 | 800-812 | 7 |
| . 034 | 2 | . 150.154 | 4 | - 268.288 | 4 | 393 | 5 |  |  | -65.4.655 | 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 | - 508-516 | 6 |  |  | 875.877 |  |
| -052.053 | 2 | -164.165 | 4 |  |  | 407-409 | 5 | - 520.539 | 5 | 700-722 | 6 | 875.877 | 7 |
| . 054.059 | 3 | * 166.169 | 3 | - 300-324 | 5 | - $410-418$ | 4 | +540 | 6 | 723.724 | 5 | 878.880 | 8 |
| -060.067 | 2 | -170.171 | 2 | - 325 | 6 | . 420-427 | 5 | - 541.549 | 5 | 725-738 | 6 | 881.884 | 7 |
| - 068.077 | 1 | -172-174 | 3 | - 326-329 | 5 | - 430-458 | 4 | - 550-554 | 6 | 739 | 7 | 890-898 | 8 |
| - 078 | 2 | -175.176 | 2 | - $330-334$ | 6 | - 460-466 | 5 | - 556-559 | 5 | 740-754 | 6 |  |  |
| -079 | 1 | - 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 R |  |  |  | EA E | XPRESS CHARGES |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Zone |  | 1\%2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Pounds | Local | $\begin{gathered} 0 \\ 150 \\ \text { miles } \end{gathered}$ | $\begin{aligned} & 151 . \\ & 300 \\ & \text { Miles } \end{aligned}$ | $\begin{aligned} & 301- \\ & 6000 \\ & \text { miles } \end{aligned}$ | $\begin{gathered} 601 \\ 1000 \\ \text { Mites } \end{gathered}$ | $\begin{aligned} & 1001- \\ & 1400 \\ & \text { Miles } \end{aligned}$ | $\begin{aligned} & 1401 * \\ & 1800 \\ & \text { Miles } \end{aligned}$ | $\begin{aligned} & 1801 \\ & \text { \& up } \\ & \text { Miles } \end{aligned}$ |
| 1.25 | \$6.05 | \$6.85 | \$ 7.85 | \$8.75 | \$ 9.75 | \$10.90 | \$12.00 | \$14.40 |
| 26-50 | 6.55 | 7.75 | 9.25 | 10.55 | 12.10 | 13.85 | 15.45 | 19.15 |
| 51.75 | 7.05 | 8.60 | 10.70 | 12.40 | 14.40 | 16.70 | 18.90 | 23.90 |
| 76-100 | 7.55 | 9.45 | 12.00 | 14.15 | 16.65 | 19.50 | 22.30 | 28.40 |
| over 100 Add per | lbs. <br> b. .08 c | .10c | .12c | .14c | .17c | .20c | .22c | . 28 c |

## 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. Gurrency. 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 out side 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 requested is impractical or not possible. Enclose import license and/or consular Declaration where so required by your Government.


80X TO 1200X Z00M MICROSCOPE SET


- 80X-1200X Magnification - Variable Zoom Eyepiece
- Complete Set of Dissection Instruments
- 4 Achromatic Objectives Lenses
- All Metal Construction - 3-Way Substage Mirror

Constantly variable magnification of $80,100,160,200,400,600$, 800 and 1200 times. Zoom eyepiece for less specimen adjustment and controlled detali magnilication. Excellent dual knob coarse and fine focus control. Stage includes optical condenser and aperture diaphragm. Spring loaded rach prevents damaging objective. Substage illuminator-mirror combination for direct, incandescent, or reflected Illumination. Includes 2 prepared slides, 4 blank slides, spatula, scalpel, probe, scissors, tweezers, and magnifying glass. wooden case with carrying handle. Illuminator operates on penlight cells or house current, by means of a transformer. Less bafteries. Imported. Shpg. wt., 6 lbs.
99 F 71409 Zoom Microscope
99 F 71060 Replacement Bulb
99 F 62580 Battery (2 required)
Net 27.95
F 62580 Battery (2 required) .............................. 10 TRANSFORMER-Permits use of house current for illumination of zoom microscope.
99 F 71102 Shpg. wt., 8 oz.
Net 1.89

750X "ZOOM" MICROSCOPE SET


- Variable Magnification
- 50X to 750X
- All Metal Construction
- Built-in Substage Illuminator
- 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 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 of objectives. The eyeplece zooms smoothly from 10X to 15X. Illuminator operates with batteries or on ordinary house current with transformer supplied. Round hole disc diaphragm controls lliumination. Includes instructions, sample slides, 5 piece dissecting kit and wooden carrying case. Less batteries. Imported. 15 F 64095 Shpg. wt., $33 / 4$ lbs. Nef 13.95 99 F 71060 Replacement bulb Net .19 99 F 62580 Battery (2-Req'd.) Net .10


## 

- Micro-photography!
- Astro-photography!
- Use Any Camera!
 Microscope or Camera/Telescope Setup

Permits the use of any camera- even movie cameras-with practically all microscopes and lelescopes. No need to remove the camera lens. Cross hairs are super-imposed on the image for centering. The image is automatically in focus for the camera when viewed in focus through the MICRO'DAPTER, Accessory sleeves permit the MICRO'DAPTER to be used with other than Society size microscopes. The MICRO'DAPTER may be used with any telescope by attaching to eyepieces of 29 mm ( $1 \%_{2}{ }^{2}$ ) maximum diameter. Imported. Shpg, wt., 21/4 lbs.
99 F 70807
Net 14.95

DELUXE 1200X RESEARCHER MICROSCOPE SET

- 25X to 1200X 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: 5X, 10X, 15X P20X combine with four achromatic objectives: $5 \mathrm{X}, 10 \mathrm{X}, 40 \mathrm{x}$, 60 X to yield 12 combinations: 25X,50X, $75 \mathrm{X}, 100 \mathrm{X}, 150 \mathrm{X}, 200 \mathrm{X}, 300 \mathrm{x}, 400 \mathrm{X}$, $600 x, 800 \%$, 900x, 1200x. Dual knob rack and pinion coarse focusing with tension adjustment for slow motion. Micro-motion fine focusing adjustment. Spring loaded to prevent objective from dilving through slide. $85 \mathrm{~mm} \times 85 \mathrm{~mm}$ stage can be moved in any direction, with slide, by 2 knuried screws while looking through the eyepiece. Sub-stage has rotating, 5 -position diaphragm and 35 mm piano/concave reflectang mirror. Stable horseshoe base. Complete with set of 5 basic dissecting instruments 10 slides, pack of cover slips, tube of mounting fluid, All in a dovetailed wooden carrying case with handle and four rubber feet. Imported. Shpg. wt., 7 ibs.
99 F 70419
Net 44.95

## LAFAYETTE MICROLITE

- Use with any Microscope
- Furnishes Bright, Even Light


Provides a bright, evenly Hghted field of view. Height $41 / 2^{2 \prime}$ Lamp may be naised or lowered to any desired helght. Inclination 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 AC/DC. Self-contained cord and plug. With extra bulb. Imported. 15 f 64103 Shpg. wt., 1 lb


Net 3.29

## MECHANICAL STAGE MICROSCOPE

- With Graduated Scale - Vernier to $1 / 10$ th mm
- Altaches 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 pinior. Adjustment scales are graduated in single millimeters with verniers reading to 1/10th mm. Essential accessory for all high
 orgling any portion of a sllde or charting the entire slide. Spring clip automatically accommodates slides of varying dimensions. Iraported. Shpg. wt. 12025.
15 \& 54087
Net 8.95


## 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 ofl 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 scates, graduated in single millimeters with vernier reading to $1 / 10$ th mm . All slides can be charted by means of the co-ortinates of these scales. Spring clip automatically fits the slide into proper position. Imported. Shpg. wt., 1ע/2 IDs, 99 F 703851

(A)


B

(A) and study cultures-set up a microscope 700 and garden-grow micro organism-perform micro surgery. lllustrated with photographs and drawings. 10 F 60029 Shps. wt., 8 oz.

## Net 1.50

[B] HOW TO DISSECT. Tips on dissecting the digestive, reproductive, nervous, circulatory and structural systems of the earthworm, cravfish, grasshopper, startish. squid. shark. frog, gladiofus, perch, lobster, octopus, snall, moths, barnacles, efc. special projects: behavior of earthworms, lood and oxygen in space ships, regeneration, micro-dissection, camoullage efc. 128 pages. 82 photos. 10 F 50011 Shpg. wt., 8 or.

Net 1.50
[C] SLIDE PREPARATION KIT. 30 glass slides, $\mathbf{3}^{\prime \prime} \times 1^{\prime \prime}$, in a fitted, sfurdy, cardboard container. Slorted guides hold slides upright for easy indexing. Includes slide covers and vial of mounting fluid. Imported. 15 F 21020 Shpg. wt., 1 lb.

Net 1.89
(D) MICRO-POLARIZING KIT. A simple, inexpensive accessory to change any microsccpe into a polarizing microscope. The set consists of an Analyzer and a Polanizer. The Analyzer will fit any microscope eye. piece. The Polarizer can be placed on or under the stage or between the condenser lens and the stage. The polarizer is indexed for po arizer axis. Supplied complete with instructions and fitted, dust-proof case. Imported. Shpg. wt., 4 ors. 99 F 71367

Net .99
(E) DISSECTING AND SLIDE MOUNTIMG SET. All the necessary implements for dissecting, staining and mounting micro-subjects on slides: Seven dissecting instruments; 5 well slides, 20 blank slides; 50 cover glasses; 50 blank labels, blue staln; mounting fluid. All in a fitted wooden case. Imported. 15 f 42067 Shipg. wt., 8 or.

# Research Equipment 

## 7he "Miere-Standard Mark II" 1500X SOCIETY STANDARD MICROSCOPE



- 25X to 1500X in 12 RANGES
- 4 achromatic objectives in rotating turret
- VARIABLE SUBSTAGE CONDENSER WITH IRIS DIAPHRAGM
- STANDARD SOCIETY OPTICS, BOTH OBJECTIVES AND EYEPIECES
- RIGID QUALITY CONTROL STANDARDS
- Par FOCAL WITHIN 0.1 mm

- 20X to 2000X - Interchangeable Binocular/Monocular Tubes - Quadruple revolving nosepiece - Eight .paired eyepieces - Vernier calibrated mechanical stage


No Money Oown*

An outstanding instrument with features of construction and de sign that wiff, without reservatlon, be appreciated by competent experts.

OPTICAL SPECIFICATIONS: FOUR achromatic, coated objectives $4 X$. 0.15 n.z., $10 x / 0.25$ n.a., 40 X / 0.65 n.d.0 oll Immersion 100X/ 1.25 n.a. Eight paired eyepleces. Two each $5 x$ Huygenian, 10X Huy. genian, 15 X peri-pianatic, 20X Kellner. Dust proof quadruple revolving nosepiece.
FIELD SIEE: Field is 4.7 to 2.0 mm for the 20 X to 80 X range, 1.88 mm 0.8 mm for $50 \mathrm{X}-200 \mathrm{X}, 4.7 \mathrm{~mm}$ 2.0 mm for $200 \mathrm{x}-800 \mathrm{X}$. $1.88 \mathrm{~mm}-$ 0.8 mm for $500 \mathrm{X}-2000 \mathrm{X}$. Taken at 170 mm focal length.
B00Y: Interchangeable Binocular tube inctined $45^{\circ}$, gradusted interpupiliary adjustment, left eyetube adjusts for refractive difference between eyes. Monocular is extendabie, graduated from 140 mm to 190 mm . Parfocal at 170 mm STACE: Square stage $125 \mathrm{~mm} x$ 130 mm . Mechanical stage with 30 $\mathrm{mm} \times 70 \mathrm{~mm}$ range of movement with vernier accurate to 0.1 mm . Slides of practically every shape and stze, including petri dishes. can be used.
FOCUSINE: Coarse focus by means of coaxial rack and pinion drive on dovetail slide. Fine focus by coaxial micrometer slow motion Meyer's type adjust. Graduated 1 division equals .002 mm ( 2 micron intervals).
SUBSTAGE: Rack and pinion drive. Double lens bright field condenser (interchangeable) 1.2 n.a. irls diaphragm. FHter holder, stop agalnst over-wind, 50 mm plano-concave mirror.
Satin black enamel finish. Chrome frim. $131 / 4 \times 81 / 2 \times 51 / 4{ }^{\prime \prime}$ overall. Nat welght 22 lbs. Includes fltted cabinet of fine grained oak with tock and key, 5ec of cedar oil, spring cllips, spanner, blue fllter. imported. Shpg. wt., 26 tbs.
99 F 70401 W
Net 339.95

An unusually fine optical instrument designed especially for precision viewing requiring high magnification with an oil immersion lens. The outstanding features of great range and engineered versatility, optimum clarity and great magnification are us dally found in microscopes costing much more. matic SPECIFICATIONS: Three Huygenian eyepleces- $5 x$, 10x, 15x, Four achro adjustment. Par-Focal within $1 / 2$ rotation of fine focus control ( 0.1 mm .). Spring loaded safety device prevents objective going through slide. STAGE: Square stage: $95 \mathrm{~mm} \times 95 \mathrm{~mm}$. Integral mechanical stage, adjustable in any direction. Stage clips. SUBSTAGE: Focusing condenser with varlable fris, dlaphragm. 41 mm plano/concave mirror. Tilting Base. Black and chrome finish. Overall $12^{\circ \prime}$ high, $61 / 2^{\prime \prime}$ deep, $41 / 2^{\prime \prime}$ wide. Includes fitted wood cablnet with lock and key, 3 slides, bottle of cedar oil. Imported. Shipg. wt., $51 / 2 \mathrm{lbs}$.

Net 99.95


## LAFAYETTE TRU-ZOOM': Wide Angle . Not a "Vari-Power"

## One Control Zooms both barrels!

## - TX to 12 X -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 -pawer-then Zoom up te 12 -power for any power in between) for closeup viewing. Full 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, havd case and straps. Imported. Shpg. wt., $43 / 4$ los.

4995 No Maney Down*


## EXTRA WIDE-ANGLE BINOCULARS

- Doubles The Field Of Ordinary Binoculars
- 580 Ft. Field of View at 1000 Yards
- Oversize Oculars - Exceptional Quality
multi-purpose, preclse $7 \times 35 \mathrm{~mm}$ binocular that is particularly adept for field studies. Wide-angle hard coated prisms permit britliant 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 afigned. Hard lined case for protective storage when not in use. Complete with neck strap. Imported. Shpg. wt, $23 / 4$ los. 99 F 70195

Net 28.35

Tripod adapter tits all binoculars by clamping around center post. Binocular can be stored in case with mount attached. Fits onto any standard camera tripod. Especially adapled for high powered binoculars. Imported. Shpe. wt. 402.
15 F 42059
Net ' 3.23


## MAGNI-BOOSTER

## Converts Binoculars

 Into High-Powered Scope - Magnifies Binocular power 2½ Times (7 Power becomes 171/2 Power!) Instantly converts standard binoculars into a high-powered all-purpose spotting scope with crystal clear magnification: Performs the function of usually bulky telescopes. Increases the power of your binoculars $2 \frac{1}{3}$ times mahing it possible to spot detaits which cannot be seen with the binoculars alone. Ideal for slipping onto your binoculars when spotting game, cheching target hits. or other uses where critical viewing is necessary. Easily stips off for standard binocuiar viewing. Fits over front lens of binocular with appropriate locking adapter (see below). Focuses with binocular controls or with its own focusing ring. Shpg. wt., 1 th.15 F 42018
Net 14.95


## VERSATILE BINOCULARS

Precisp desien-quality materizl-and expert wormmanship. Alt lenses are hars coated prisms clamped in lightweight dilsy trame and asdy-sealed against dust and moisture-properly callimated and ariqned. an are center focus with adjustable night eyepiece. Hard lined ease and neckstraps iscluded.
7 H3S POPOLAR, VERSATILE, AH PU考POSE BHNOCULARS. FOr the sportsmen hunter-bird watcher-vacationer. High luminosity. Compact design. Field of view 367 at 100 e yards. imported. Shpg. wt., 3 los. 99 F 70187
$\mathrm{N} \geq 118.95$
10n35 WIDE FIELD BINOCULABS. Similar to above plus highet magnification. Field of view $367^{\circ}$ at 1000 yards.
15 F 6407 g shpg. wt., 37 l lbs.
Net 22.95
$7 x 50$ MAVY STYLE WISHT GLASSES. Favored for marine use. The choice of professionals because of exceptionally high light gatherim power. Superior image brightness. Fiely of view $372^{\circ}$ at 1000 jards. 99 F Jetst Shgg. wt., 33 h tbs. lexported.

Met 22.95
20n50 KIMG of THE LONG RANGE. Hunters, mountain crimbers, piane spotters, forest rangers -any long distance viewing and observation requ rement. Field of view 157' at 1000 yards. Shpg. wt., 41/2 ibs. 99 F 20203 imported.

* 128.95


## - Bushnell <br> INSTA-FOCUS 7x35 <br> Wide Angle Binocular



- With Hard Lined Case
 You'll Think It's Automatic" Superb performance, both optically and mechanically. Foces fast and accarately with thumb. Perfect for baseball, football. racing, nature study, and travel. When the action is fast, there's no time to adjust the focus as in standard binoculars. "Exclusive "insTA-FOCUS" changes focus so rapidly it's almost automatic. Reduces sye fatigue to a minimum. Wide held of coverage ( 578 feet at 1000 yds.) Blue coated lenses provide protection against refiected glare of water, sand. snow, and have. With har lined case. Shpg. wh., 3Y/ tbs. 15 F 11013 No Money Down *


## Ancturus

## ARCTURUS 4 $\mathrm{Y}_{2}$ " D. EQUATORIAL

Eyepieces and Barlow Lens For 450x, 300x, 225x, 150x, 30x and $45 x$ - 900 mm Focal Length Micromotion Con: trols For Horizontal, Polar, Declination - $41 / 2^{\prime \prime}$ (114mm) F/B Spherical Aluminized Quartz Mirror Barlow Lens Included
$41 / 2^{\prime \prime}$ spherical, aluminized quartz mirror gives wide, flat field of view and outstanding color definition. Three coated eyepleces 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 halrs easlly locates objects to be viewed. Micro-motion controls and equatorial mount with hour and declination circles provides complete control for tracking. Heavy-duty hardwood tripod with accessory tray adjusts from 33 to $60^{\circ \prime}$. Complete with lenses, Sun glass, Moon glass, Barlow Iens. Scope size: $41 / 2^{\prime \prime}$ Dia., $36^{\prime \prime}$ long. Imported. Shpg. wt, $293 / 4 \mathrm{lbs}$.

Net 99.95

- 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 optics for exceptlonally low light loss. Primary mirror is aluminized and quartz overlaid. Highly achromatic optical system features very low chromatic aberration. Adjustable wooden $48^{\prime \prime}$ tripod with tray brace and convenient optical sight permit easy field use on uneven surfaces. Rack and pinion drive assures smooth focusing. Lightweloht aluminum body has white baked enamelold finish: Specs.: Mirror Dia.: $4^{\prime \prime}(100 \mathrm{~mm})$. Focal Length: 800 mm . Eye. pieces: 6; 12.5; and 25 mm Muygenian. Resolving Power: 1.4 seconds. Supplled with stand, sun filter and three eyepieces. Imported 99F72126w Shpg. wt., 10 lbs. Net 34.95 99 if 70542 Barlow lens for double power. Wt. 8 oz. ... Net 3.95

## LAFAYETTE 8-25X $30-\mathrm{mm}$ ZOOM SPOTTING SCOPE

- Zoom Any Power From 8X to 25X
- Quick Focusing With Table Top Tripod

An outstanding varipower spotting scope that is ideal for any "spotting" need in field or general use... shooters, bird watchers, etc. Features 30 mm coated lens for brilliant viewing. Fingertip controls for quick zooming and focusing. Mas a built-in camera tripod socket. Includes a table-top tripod with rubber-tipped legs that prevent scratching of furniture, Compact, lightweight and portable . . . ideal for taking it everywhere you go. Complete with black, zippered carrying case with convenient belt loop. Overall length of scope is $12^{\prime \prime}$. Imported. Shipg. wt., 3 lbs
99 F 71920
Net 15.95
DELUXE $13-40 \times 40-\mathrm{mm}$ ZOOM SPOTTING SCOPE - Zoom From 13x to 40x Power - 40 mm Objective Same unique design as above but with extra power and larger $40-\mathrm{mm}$ objective. With tripod less case. Overall Length $16^{\prime \prime}$ 15 F 64038 Shpr, wi., $41 / 4$ lbs.

Net 21.95

## 15-30X ZOOM SPOTTING SCOPE <br> 30X, 60mm SPOTTING SCOPE

- Full Size 50 mm Objective

Any power from 15x to 30x! Ideal for any "Spotting" Need. Pan-head, elevator tripod mount included. Perifect all round scope. Powerful, small lightweight, brilliant viewing. Minimum focusing distance 82 ft . All aluminum and chromed brass. Imported. Shpg. wh., 43/4 lbs
15 F 64061
Net 44.95


- With Case Tripod

The perfect companion for shooting, hunting and nature fans. Field of view is 85 feet at 1000 yds.! High relative brilliance due to 60 mm objective lens. All optics are coated. Equipped with a $111 / 2^{\prime \prime}$ tripod and zippered leather carrying case. Minimum focusing distance 60 ft . Imported. Shpg. wt., 3 lbs. 99 F 70153


- Porlable-Compact-Lightweight

A 10 power, 30 mm internal (front) focus telescope that is compact, lightweight and portable-ideal for taking it everywhere you go. Feafures coated achromatic lenses. Has built-in camera tripod socket. Sturdy tripod supplied with rubber-tipped legs. Minimum focusing distance 14 ft .
15 F 64046 Shpg. wt., 2 lbs.
Net 8.95

## Selected Optical Accessories

## LAFAYETTE BINOCULAR MAGNIFIER

- Leaves Hands Free
- Reduces Eyestrain


## Only

895


- With 3 Lenses

MAGNA SIGHT-MASTER 3-D BINOCULAR MAGNIFIER

- 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 th clearly in 3 dimensions. Adjusts to any head size comfortably. No moving parts to replace, Ideat for hobbyists, repalrmen, inspectors and technicians. Avallable in 4 sizes. Imported. Shpg. wt., $1 / 4 \mathrm{lb}$.
15 F 20055 1.75x, $14^{\prime \prime}$ Working Distance
15 F $200532.25 \times, 10^{\prime \prime}$ Working Distance 15 F $200112.75 x$. $8^{\prime \prime}$ Working Distance 15 F 200 es 3.5 x , $4^{\text {* }}$ Working Distance

Net 4.95
Net 4.95

PROJECT-A-SCOPE

- Projects Giant Pictures in Color or Black and White
- Films or Negatives Not Needed
Handsome projector molded of heat and abuse resistant, hi-impact plastic for
 long Ilfe. Casts sharp, giant-size enlarge-


## LAFAYETTE $8 \times 24$ MINI-SCOPE

- Includes 6x Super Wide-Angle ( $11^{\circ}$ ) Objective
- Fits in Palm of Hand - Use as Close-up Magnifying Glasses


Versatile, precision pocket telescope provides powerful 8-power optics, yet slips into your pocket. Ideal for travel, hiking or nature study. For a larger field, quick-change to the $6 x$ extra-wide view 18 mm lens. Pulls in the action at football, hockey, and shows. 24 mm coated lens provides 435 ft . viewing area at 1000 yds., 18 mm coated lens gives 575 ft , viewing area. With soft zippered case, wrist strap. Imported. Shpig. wt.. 1 lb . 99 F 72159

Net 12.95

## THEATER AND SPORTS GLASSES

- Weighs Less Than 3 02. With Case (

Designed to be worn like ordinary eyeglasses, each optic individually focuses to match personal viewing requirements: can also be worn by people who require prescription glasses. Distortion-free lenses magnify 2.8 times. Soft rubber eye shields on each eyepiece cushions glasses against wearer's face. Carrying case and neck chain. Shpg. wt. 1202. 99 F 72175 L

Net 1.95


## LAFAYETTE OPTICAL MICROMETER

- Direct measurements to .005"
- Measures Diameters - Radii - Angles
- Linear scale in inches

High quallty optical micrometer using a triplet lens system of approximately 7 power. Triplet system affords a wide flat field of vlew. Extremely accurate reticle of etched glass. 0.5 inch linear scale calibrated to 005 inch. 10 mm scale calibrated to .2 mm . Hole diameters from 1/e to $1 / 4_{4}^{\prime \prime}$ and from .005 to $.05^{\prime \prime}$. Thickness scales from $\mathcal{K}_{4}$ to $1 / 4^{\prime \prime}$. Radii from $1 /$ a $^{\prime \prime}$ to $3 / 3^{\prime \prime}$ and angles from 0 to $90^{\circ}$. Accurate to edge of $1^{\prime \prime}$ field. Adjustable focus. Complete with leather case. Imported. Shgg, wi., 802.

## 99 F 70757.

## 2X BARLOW LENS



Net 7.95


Provides greater eye rellef even on short focal length eyepieces Sharpens definition and reduces image deterioration by permitting use of lowpower eyepleces to achieve high magnification. This also provides for greater illumination and a wider field. Accepts eyepleces of $24.5 \mathrm{~mm}\left(.97^{7}\right) 0 . D$. and fits draw tubes of that size. Im ported.
99 f 70542 Shpg. wt., 1 lb
Net 3.95 ments on any white wall or screen in brilliant color or black and white. Simple to operate. Can be used by students. artists, lecturers and demonstrators. Children can project comics or story books to amuse themselves and their friends. Uses ordinary household bulbs. U/L listed. 110 volts, AC-DC. Shpg. Wt., 2 lbs.

15 F 50011
Net 5.95

## PEN-SCOPE <br> 198

- 8 Power Telescope
- 30 Power Microscope

The 8 power telescope with adjustable sliding focus barrel that extends to over 8 inches, collapses to $51 /{ }^{\prime \prime}$ " and fits easily in pocket. Barrel slips off to convert to a 30 power microscope. Nickel-plated metal case with pocket clip. Dia. only $5 / 16^{\prime \prime}$. Imported 99 F 71987L Shpg. wt., 8 oz.

Net 1.98

## 4X RIFLESCOPE



- Internal Adjustments . Lightweight-only $6^{1 / 2}$ 0zs. - Cross Hair Reticule Hard Coated Lenses

Popular, all-around scope for the small game hunter. Bright field appror. 30 feet at 100 yards. Eye relief distance from $31 / 2$ to $41 / 2$ Inches, Eyeplece diameter. "1" tube diameter $3 / 4$ ". Hard coated achromatic lenses reduce glare. Internal windage and elevation adjustments for positive "zero-in." Fine, cross hair reticule pinpoints target. Featherweight, weather-resistant, precision bullt. Easy fast installation with all $22^{\circ}$ s with grooved receivers, some air rifles. Imported. Shpg. wt., 1202.
99 F 11607
Net 6.95

## 3-7X 20MM ZOOM RIFLE SCOPE

## $10^{95}$

- Cross Hair Reticule



## - Hard Coated Lens

- Internal Windage And Elevation

Now, a zoom rifle scope especiaily designed for .22's. Hard coated lenses feature finest quality optics with constant brilliant sharp sighting through full power range. Field of view: 30 ft , at 100 yds. @ J power, 16.8 ft . at 100 yds. @ 7 power. Fine cross halr reticule pinpoints target. Easy, fast Installation with all .22's that have grooved receivers. Internal windage and eievation adjustments for positive "tero-in." Eyepiece diameter: 1 ". Tube diameter $3 / 4$ ", All parts and components are precision bullt and weather resistant. Eye relief is 2 to $3^{\prime \prime}$. Imported. Shpg, wt., 12 oz.
Eye relief
Net 10.95

# Lab and Field Research Equipment 



- High Capacity-1/2-Gallon Tank 80 watt Average Output Generator
A new standard of time-saving, immaculate cleaning. A special trans. ducer located in the solvent tank is excited by an ultrasonic generator (at $90,000 \mathrm{cps}$ ). It sets the solvent in agitation, producing microscopic bubbles (cavitation) which disintegrate dirt partictes. Soil can be removed from the finest crevices without damage to delicate parts. Ultrasonic Cieaner consists of a 80 -watt pulse generator and a $1 / 2$-gallon cleaning tank. Tank constructed of stainless steel with 4 A grade polish. Specifications: input $110-117 \mathrm{y}, 50 / 60$ cycles; Output $90 \mathrm{kc}-80$ watts, avg., 320 watts peak. Generator size: $12 \mathrm{~L} x$ $93 / 4 \mathrm{~W} \times 7^{\prime \prime} \mathrm{H}$. Tank size: $61 / 4 \mathrm{~L} \times 7 \mathrm{~W} \times 61 / 2^{-} \mathrm{H}$. Complete with $4^{\circ}$ connecting cable. Exterior of Tank and generator finished in baked enamel gray. See listing below for solvents. Shpg. wt., 28 lbs.
15 F 850円7w
Net 149.95


## 120-WATT ULTRASONIC CLEANER



- $13 / 2$ Gallon Tank Migh capacity cieaner similar to above, widely used in electronics. automotive and other precision instrument fields. Valuable in ali areas of applied medicine. Polished stainless steel tank size (inside): $12 \mathrm{Y} 47 \times 82 / 2^{\prime \prime}$ high. Generator output: $90 \mathrm{KHz} @ 120$ watts average. 480 watts peak. 32 -page manual. Shpg. wt., 37 los. t5 F 85033 W No Money Down*

Net 259.95

\section*{Ultrasonic Cleaning Chemicals. Shpg. wt., $101 / 2 \mathrm{lbs}$, per gal} | 15 F 85041 Ammoniated Detergent, 1 gal. |
| :--- |
| 15 g 85058 Detergent Concentrate, 1 gal........................... Net 5.50 |
| 15 \& 85066 Zero Residue Fast Dry Solvent, 1 gal........ Net 5.50 |



## 40-WATT ULTRASONIC CLEANER

Model LP-1MD. Completely self-contained easy-to-hancle ultrasonic cleaner capable of serving a variety of cleaning applications. Automatic 5 -minute time switch turns unit off when cleaning cycle is finished. Control dial for Low and High Power Operation. Stainless Steel worktop and sides protect unit against spills and splashes. One-Pint Stainless Steel cleaning tank cannot be marred or harmed by any normaat cleaning agent or solvent. warm or cold. Ideal for removing grease, tar, wax. sulphides, fmaxes, and fingerprints from components, miniature mechanisms and a variety of other precision parts. Generator Freq.: 90 KHz ., RF input power: 40 watts. Uses no fubes or transistors. Dimension's $91 / 2 \times 5 \times 4 \% \%^{\prime \prime}$. See listing above for solvents. Shpg. wt, $71 / 2 \mathrm{lbs}$.

## 15 F 23026 No Money Down*

Net 14.95

## 20-WATT HOME ULTRASONIC CLEANER

Model LP-2. A low cost ultrasonic cleaner that has most of the advantages of larger models. A convenient $31 \%^{\prime \prime}$ diameter $\times 142^{\prime \prime}$ deep round Pyrex Beaker with standoffs may be filled, emptied and objects rinsed without moving the basic cabinet. The cleaning liquid is cavitated at an ultrasonic frequency of 90 the (nominal). with automatic overheat cutoff. Uses no tubes, transistors or complicated electronic circuitry. Entire cleaner is housed in an attractive metal and stainless steel cabinet measuring $6^{\circ} \times 4^{\prime \prime} \times 4^{\prime \prime}$. See listing above for solvents. Operates on 110 volts 60 Mz AC . Shpg. wt. 51/2 los.
I5 i 23034 No Money Down
Net 42.95

- A Modified Abbe Design-Reads Percentage of Sugar in Solution
- Completely Portable-Fits in Pocket
- Accuracy $\pm 0.2 \%$ for Low Range Instruments- $\pm \mathbf{0 . 5} \%$ for High Range
An accurate hand sugar refractometer. Designed for accurate measurements of the percentage of sucrose or dissolved solids in solution. Particularly sulted to the sugar industry. Permits accurate measurements, in the field, of sugar percentage in fruits and veg* etables. Equally suitable for use in the "juice" industry, in canning plant tab, candy, chocolate and jelly industries, soft drink plants, breweries, argricultural as well as in other phases of chemistry and clinical pathology. Simple in operation-no moving parts except the focusing eyepiece. Completely color corrected optical train, perfectiy 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 F 70369 L No Money Down
Net 39.95


## DIRECT VISION SPECTROSCOPE



## - Focusable Field

4 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 ob. tained from several dispersing prisms of matched glass, while a high grade optical system yields good resolution, sufficlent to separate $5769.6 A^{\circ}$ from $5790.64^{\circ}$ in the spectrum of a fluorescent tamp. The shit is preset and can be focused sharply by means of an eye piece draw-tube, assuring easy viewing and establishment of Fraun. hofer 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., 10 oz.
99 F 707731
Net 21.75

> ULTRA-VIOLET HAND LAMP

in economical, compact. self-contained source of both short wave and long wave ultra-violet light of medium intensity. For lab, home and field use where high intensity is not required. Operates from either AC house current or batteries. Easily carried-weighs onty It他., 14 02s. Portability extends its uses. Trpical applications: fluoses. cence 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 sampies 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 $50 / 60$ cps. AC Less batteries (2-45V "B" batteries required for portable use). Bottery adapter case optional. Size: $54 / 2 \times 2 \times 84 / 2^{\prime \prime}$. Shipg. wt., 4 tos. 15 F 45045 Met 34.95 Battery Adapter Case with adjustable shoulder strap. Shpg. Wt., $13 / 4 \mathrm{ibs}$.
15 F 45052
Net 7.75
45. Volt " $B$ " Batlery ( 2 required for battery operation).

32 F 48101 Shpg. wt. $21 / 4 \mathrm{lbs}$.
Net ea. 2.97

## UN FLUORESCENCE ACCESSORY SET

Contains 16 different items including: invisioie water paint (4 colors), invisible tracer powder, invisible writing ink, phosphoragram. UV transmitting and absorbing clear plastic, invisible dye, 10 yds: fluorescent elastic cord. 48-page "story of Black Light" book of experiments. (Not illustratedi). Shpg. Wt., $21 / 2$ los.
15 F 45060
Net 7.95

# Police and Fire Solid State Mobile FM Monitor Receivers 



## 6-CHANNEL CRYSTAL CONTROLLED

Model HA-39
Model HA-42
Model HA-45
Model HA-46
$46 \mathrm{MHz}=47 \mathrm{MHz}$
Model HA-153
153mHz -155 MHz
Modet HA. 155
155MHz -157 MHz
Model HA-159
$39 \mathrm{MHz} \cdot 40 \mathrm{MHz}$
$42 \mathrm{MHz}, 43 \mathrm{MHz}$
$45 \mathrm{MHz} \cdot 46 \mathrm{MHz}$
46 MHz - 47 MHz

- Very Low Battery Drain - Variable Squelch
- Sensitivity: $0.7 \mu \mathrm{~V}$ For. 20 db Quieting
- Listen to U.S. Weather Bureau Reports on 162.55 MHz with Model HA- 159 in Many Parts of the Country
Features an exceptionally sensitive double conversion superheterodyne clicult with $0.7 \mu v$ sensitivity for 20 db quieting. Designed and bulit for reliable, trouble-free performance, the receiver uses rugged, heat resistanf Silicon Mess transistors in all critical areas (osciliator, af and If). Very low current on 12 volts OC permits continuous monitoring in moblte operation for long periods of time ...even with the motor switched off! Complete with built-in $3 \times 5^{\prime \prime}$ speaker and moblle mounting bracket. Size: $6 W \times 8 D \times 2{ }^{*} \mathrm{H}$. Imported. Shpg. wt., 5 lbs.
Model WA.159: for 159 to 164 MHz
99 F 26098 W Less Crystals
Net 99.95
HB-5028: 117W AC Sturdy attractive matching power supply for base station operation. $6 \mathrm{~W} \times 7 \% / 6 \mathrm{D} \times 21 / 4^{\prime \prime} \mathrm{H}$. Imported. 99 F 32088 w Shpg. wt., 5 lbs.

Net 19.95
CRYSTAL CERTIFICATE for "HA" MONITOR RECEIVERS. Send filled-out certificate, one for each crystal, to manufacturer. Mir. will ship crystal durectly to you, postage prepaid, within a maximum of 30 days.
CERTIFICATE. Specify Exact Operating Frequency. No C.O.D.
40 F 82111 Y
Net 5.95

- Instantaneous Operation-No Warm-up
- Double Conversion Superheterodyne Recelver
- 12 Volts DC (Neg. or Pos. Ground) or 117 Volts AC with Optional Solid-State Power Supply
This superbly engineered, solid state, crystal contralfed FM receiver enables superior, accurate monitoring of Fire, Police, Local Govern. ment Special Emergency, elc. Its superiof solid state circultry permits instantaneous operation-no loss of prectous time due to warmup... permits immediate response to emergencles! The com. pact, miniature size makes it ideal for cal, truck and boat, as well as for home and office with the optional solid state matching AC power supply. Six crystal controlied channel capability permits operation on up to 6 frequencles with highly accurate optional crystals. Model HA-39: For 39 to 40 MHz operation.
99 F 26023 W Less Crystals
Net 99.95
Model HA-42: For 42 to 43 MHz operation. 99 F 26031 w Less Crystals
Model HA-45: For 45 to 46 MHz operation. 99 F 26049w Less Crystals
Model HA-46: For 46 to 47 MHz operation. 99 F $25884 W$ Less Crystals Model HA-153: For 153 to 155 MHz Operation. 99 F 25868W Less Crystals Model HA-155: For 155 to 157 MHz Operation. 99 F 25876 W Less Crystals

Net 99.95
Net 99.95
Net 99.95
Net 99.95
Net 99.95

## LAFAYETTE Hand-Held FM/VHF Police and Fire Monitor Radios




- Listen To Police and Fire Calls o Monitor Civil Defense and Public Services

Only an alert and informed citizen can keep up with the electrifying happenings of our everyday life. Two supert Lafayette FM/VHF receivers bring you live coverage of your city or town's dally drama on either $146-175 \mathrm{MHz}$ or 27.50 MHz police and fire bands. +146-175 MHz receiver tunes to 162.55 and 163.275 MHz U.S. Weather Bureau weather reports and disaster alarms in many parts of the country. Has a bulit-in $21 / 2^{\prime \prime}$ speaker plus an external earphone jack for convenient private listening. Rugged construction and sleek styling combine to give a clear protessional iype appearance. Operates on 4 penlight batteries (included with set). This ultra-compact unit also features a built-in swivel telescoping antenna and provision for an external antenna. With batterles and carrying strap. Size: $6 \times 2 \times 15 / \mathrm{m}^{\prime \prime}$. Imported Shpg. wt., $11 / 4 \mathrm{lbs}$.
99 F 35313 L 146.175 MHz FM VMF Receiver ... Net 17.95 99 35313L $146 \cdot 175$ MHE FM VHF Receiver

Net 17.95 99 F 353391 27-50 MHZ FM VHF Receiver

Net 17.95 aCCESSORIES FOR HANO HELO FM VHF RECEIVERS

| Stock No. | Bescription | Snpg. Wr. | Net Ea. |
| :---: | :---: | :---: | :---: |
| 99f35362 | 117 VAC Adapter | 12 oz . | 3.95 |
| 99 F 62580 | Extra " $A A^{\text {" }}$ Batteries (4 required) | $3 \mathrm{oz}$. | . 10 |
| 40 F 790 t 6 | Earphone for Private Listening | 202. | . 59 |



# Lentaianontor 

State, County and
Municipal Police
Fire Department
Civil Defense
Aviation
Conservation
Petroleum and
Industrial Activities

## $\begin{array}{ll}\text { Trucking } & \text { Industrial } \\ \text { Highway Maintenance Railroads }\end{array}$ <br> NEW! POLICE AND FIRE DUAL BAND SOLID STATE FM RECEVER <br> Crystal Channels In Each Band



## and $99^{95}$

No Money Down*

- Operates on 117VAC and 12 VDC
- 1 IC + 1 FET + 13 Transistors +9 Diodes
- Separate, Large AM and FM Tuning Dials
- Sensitivity, Less Than I $\mu v$ for 20 db Quieting
- Tape Recorder Output Jack
- Headphone Jack for Private Listening


## Receives U.S. Weather Bureau Reports

## CRYSTAL CONTROL PLUS TUNEABLE RECEPTION

Lafayettes' superb dual band, FM monitor recelver has been especially engineered for outstanding performance and dependability. The PF-200 covers both the high and low VHF communications bands, Is fully tuneabie and can be crystal controlled for reception of any two frequencies in elther band. It also tunes to and receives 162.55 MHz U.S. Weather Bureau reports in parts of the country where these reports are broadcast. The PF-200 features a highly sensilive superheterodyne circuit that includes tuned RF and mixer stage with F.E.T. 3 ceramic if fitters for exceptional selectivity, and an integrated circuit for efficient FM detection. Its $\mathbf{1 0 0 \%}$ solid state design offers top reliabllity and instantaneous monitorIng of, and response to, emergencles. Bullt-in universal power supply assures continuous monitoring under any conditions since
front panel features two large individual tunlng 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 slience the recetver during no signat conditions. The PF-200 is also distinguished by professionally designed neatly contrasting front panel, knobs and enclosure. A large built-In speaker, an external phone jack for private listening and a tape recorder output jack are also included. Size: $13 \mathrm{KWx}^{\mathrm{W}} \mathrm{K}_{7} \mathrm{D} \times 4^{15} \mathrm{~K}^{\mathrm{MH}} \mathrm{H}$. Shpg. wt., 10 lbs. 99 F 25983 wux Less Crystals, for Crystals see Below .... Net 99.95 Ground Plane Antennas Shpg. wt. 4 lbs.
40 F 0t178W $30-50 \mathrm{MHz}$
Net 8.95
40 F Dil60W $130-174 \mathrm{MHz}^{2}$......................................................... 7.50
40 F 13017w Window Antenna for $30-50 \mathrm{MHz}$ wt. 2 lbs. ... Net 7.95

## POLICE AND FIRE SINGLE BAND SOLID STATE FM RECEIVERS

## 4 IC's +13 Transisfors +9 Diodes +2 Thermisfors



An advanced solid-state single band FM monitor receiver that covers the high or low bands with excellent sensitivlty. These monitors are fully tuneable or can be erystal controlled on a single frequency. Outstanding performance results from meticulousiy engineered solid state superheterodyne circuitry that includes 4 IC's in the IF stages, plus iuned RF and mixer stages, its solid state circuit permits instantaneous monitoring of, and response to, emergency situations. Features rugged design for trouble-free operation and has universal power supply for either normal 117 VAC operation or 12 VOC battery operation for field use or during


## CRYSTAL CONTROL PLUS TUNEABLE RECEPTION

## MONITOR

## POLICE AND FIRE SOLID STATE MOBILE MONITOR RECEIVERS



> ONLY $13 / 4^{\prime \prime}$ HIGH

## MICRG P-100 (148-174 MHz) MICRO P-50 (30-50 MHz)



## NEW LOW PRICE! NOW $\Omega 95$ <br> No <br> Money <br> Down*

SAVE $\$ 20.00$

## TUNEABLE PLUS 2 CRYSTAL POSITIONS

- Hear U. S. Weather Bureau Forecasts on MICRO P-100 $\ddagger$
- 1 FET plus 14 Transistors plus 9 Diodes

Self-Contained 117 VAC and 12 VDC Supply


Base : For Home, Otfice, etc.


Oiscover the everyday heroies in your community! Listen and thrill to the excitement of urgent police broadcasts and of fire squads in action! Hear industrial, pubilc safety, ambulance, transportation and other publlc service radio communications. Monitor the U.S. Weather Bureau forecasts and disaster warnings on the MICRO P-100. Hear all this and more on Lafayette's MICRO P- 100 and MICRO P- 50 miniature solid state monttor receivers. Their compact size ( $13 / 4 \mathrm{H} \times 47 / 6 \mathrm{~W}$ $x 73 / \mathrm{a}^{\sim}$ O) permits convenient mob/le and base operation. Exceptiona! features include tuneable plus 2 crystal receive positions, better than $1 \mu \mathrm{~V}$ sensitivity for $20 \mathrm{db} \mathrm{S} / \mathrm{N}, 3$ ceramic if filters for exceptional selectivity, variable squeich, bulit-in fused AC and OC power supplies, 2 watt audlo output, S0-239 antenna jack and space-gge styling with attractive illuminated dial. Supplied with AC and DC cables plus mobile mounting/base statlon stand bracket. For 117 VAC., 60 Hz or 12 VDC (Negative Ground). Easy, portable operation with optional battery operated portable power pack. Imported, Shpg. wt., 5 lbs.

99 F 26122 W MICRO P-100 ( 148.174 MHz ) 99 F 26064 W MICRO P. 50 ( $30-50 \mathrm{MHz}$ ) H8.509A Portable Batter Pack with shoulder strap battery strength Indicator and antenna. Less batteries. Shpg. wt., $31 / 2 \mathrm{lbs}$. 99 F 32200

Nef 19.95
Alkaline Batteries for HB-509A. (8 req.) Shps. wt., 4 oz. ea. 99 F 63802

Nel ea, . 44
CRYSTAL CERTIFICATE FOR MICRO P-100 and MICRO P.50. Send filled-out certificate, one for each crystal, to manufaturer. Mfr. will ship crystal directly to you, postage prepaid, within a maximum of 30 days.
Certificate. Specify Exact Monitoring Frequency. No C.O.O
40 F $22103 y$
Net ea 5.95
§Consult your local weather bureau concerning reception in your area.

ECONOMY SYSTEMS WITH "MICRO" AND "PF" MONITOR RECEIVERS


# DIGI SCAN-8 by unumetracs 




Digi Sean-8 is the ultimate in an 8-channel, crystal controlied FM Monitor Scanner. Digi Scan-8's exclusive bold flashing digltal readout indicator automatically seeks a voice signal on any of elght programmed channels. Digital Readout indicates which channel is recelving, and after transmission is over, automatically continues scanning. The exclusive "Drop in" front end modules offer amazing versatility and economy. Easy interchangeable front and modules convert any Digi Scan-8 for elther low band FM, high band VHF/FM or UHF/FM monitoring. The unique individual channel "Lock Out" switches permit programmed listening, Ultra sophisticated solid state engineering will enable superior and accurate monitoring of the Public Service Band, which includes Fire, Police, Local Government, Special Emergency, VHF/FM Marine, Weather, and many other exciting channels. Deluxe features include: double conversion superhetrodyne circuit with $.5 \mu \mathrm{~V}$ sensitivity for 20 ob quieting, variable squelch controt, pushbutton switches for selecting automatic scanning or manual scanning mode, separate push-button On/Off switch, "Easy Open" compartment for instant crystal changes, buitt-in speaker plus back panel external speaker jack and professional PL-259 antenna jack, and attractlve vinyl and metal

## 3 Models to Choose from:

Low Band VHF/FM- 30.50 MHz<br>High Band VHF/FM- 147.174 MHz UHF/FM- -450.470 MHz

NEW REGENCY 8 Channel 2-Band Hi/Lo Monitor Scanners

Three models to choose from. Automatic Cross Band Scanning. Automatically Monitors (SCANS) any mixture of 8 high and low band FM channels, or Manual Pushbutton Channel Selectlon. Illuminated read-out lights indicate recelver is scanning for signals. When receiving a signal, it locks on, listens to signal until transmission is over, then resumes scanning. Audio Output: 5 watts; Sensitlvity: Low Band- $0.5 \mu \mathrm{~V}$. High Band- $0.7 \mu \mathrm{~V}$. AC or 12 VAC Mobile operation. Comes complete with AC or DC power cords, mobile mounting bracket, removable telescope antenna, $4^{\text {" built-in speaker }}$ and external speaker terminals. Size: $21 / 2 \times 51 / 2 \times 71 / 2^{\prime \prime}$. Shpg. wt., 7 lbs. 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.)

## Stoch Ne.

40 F $60232 Y$ 40 F 60257 Y Crystal Certificate for ar mor send directly to manufacturer 40 F 82103

## Model

TMRBM/LL
TMRBHAM $144-174 \mathrm{MHz} / 37-43 \mathrm{MHz}$

Net ea. 169.00 169.00 169.00

TMRBH/LL TMRBH/LM TMRBH/LH

3 Models
$144.174 \mathrm{MHz} / 33-39 \mathrm{MHz}$ $144-174 \mathrm{MHz} / 37-43 \mathrm{MHz}$ $144.174 \mathrm{MHz} / 41.47 \mathrm{MHz}$

Net 5.95

# VHF Police-Aircraft Receivers and Converters 

## REGENCY TUNEABLE FM/VHF RECEIVERS



## - MR. 330 Tuneable $30-50 \mathrm{MHz}$ <br> - MR-100 Tuneable 152.174 MHz <br> $84^{55}$ ea.

Extra sensitive FM receivers for police and fire departments, Clvil Defense, and indus. try use. Ideal for any type of Hixed or port. able application. $3 \cdot g$ gang tuning condenser. Sensitivity of $4 \mu \mathrm{v}$ or less for full 20 db quieting. Adjustable sque ich eliminates noise between transmissions. Built-In 5" speaker, 8 watt output. Hfuminated slide.rule dial for night operation. Two-tone metal cabinet $111 / 4 \times 77 / 8 \times 61 / 2{ }^{\prime \prime}$. For $105-125$ volts 60 Hz AC only. U.L. listed. Shpg. wt., 11 lbs. MODEL MR-10D $152-174 \mathrm{MHz}$
40 F G0216WX No Money Down - Net 84.95 MODEL MR-33D 30.50 MHz
40 F 60224wx No Money Down

## OELUXE MOBILE FM-VHF POLICE TUNAVERTERS with SQUELCH


$44^{55}$

## Made in U.SA.

Mo Money Down

- Tuneable And Crystal Control
- Solid-State Circuitry
- For High and Low Band Police. Fire, Aircraft
- Plugs Into Your Regular AM Car Radio
- Operates Off 12 Volt Negative Ground Car System
Tuneable converter that enables your regular car AM radio to recelve Police and Fire frequencles. Drift free monitoring with FET transistor oscillator. 3 gang tuning capacitor. Completely tuneable or crystal controlled operation. Bulit in squelch. Comes complete with $24^{\prime \prime}$ special low capacity coax cable with Motorota plugs on each end of the cable ready to plug into your auto radio. $21 / 2^{\prime \prime} \times 31 / 2^{\prime \prime} \times 41 / 2^{\prime \prime}$. Operstes from 12 V nerative ground car battery. Shpg. wt. 2 lbs.


## STOCK NO. TUNES NET

40 F 20079 Police $\quad 150-164 \mathrm{MHz} \quad 44.95$ 40 F 20053 Police $33-48 \mathrm{MHz} \quad 44.95$ Crystals for Tunaverters-specify exact fre. quency, allow 3 weeks for delivery. 40 F 200612

Net 5.10

SOLID STATE MOBILE FM-VHF LOW AND HIGH BAND POLICE TUNERS


- Connects to Existing 12 Volt Neg. Ground AM Car Radio
- Listen to Police Calls, Fire Calls, Mobile Phones
- Tuneable - No crystals required

Three Models Ta Choose From Model PC-200: 30.38 MHz YOUR Model PC-201: $37-50 \mathrm{MHz}$ Model PC-202: 156-174 MHz ${ }^{\dagger}$

## t Plus Continuous U.S. Weather

 Bureau Broadcasts on 162.55 MHz
## CHOICE

## $39^{95}$

Hear potice calls, fire calls, and mobile phones on your Am car radio. Deluxe solid-state FM-VHF High and Low Band Tuners mount under the dash. Tuneable-requires no crystals, no batteries, no special antenna. Connects in minutes to your existing AM auto radio and antenna. 3 models to choose from: Model PC-200 tunes $30-38 \mathrm{MHz}$, Model PC-201 tunes 37.50 MHz . Model PC-202 tunes $150-174$ MHz, plus continuous U.S. Weather Bureau Broadcasts on 162.55 MHz . Automatic nolse fimiter provides excep. tionally fine reception of all signals. Specifications; 8 transistors, 4 diodes, Sensitivity 2 ay at 20 db of quieting. Converts FM signals to 870 kPtz AM. Smartly styled chrome and rich walnut grain front panel. Compact-only $642^{\circ} \times 34 / 2^{\circ} \times 11 / 2^{\prime \prime}$. For 12 volt Negground systems. Shpe. wt., 3 los.
40 F 36018 Model PC-200-Tunes $30-38 \mathrm{MHz}$ No Money Down"
Net 39.95
40 36026 Model PC-201 Tunes 37.50 MHz No Money Down Net 39.95 40 if 36034 Model PC-202-Tunes $150-174 \mathrm{MHz}$ No Money Down ${ }^{2}$ Net 39.95

REGENCY AR-136 AM-VHF AIRCRAFT MONITOR RECEIVER


- Listen To Airplanes In-Flight
- Listen To Control Towers
- Electronic Squelch
- Nuvistor RF Amplifier
- Frequency Range $108-136 \mathrm{MHz}$

A deluxe 9-tube "Flight Monltoradio" for use in the home, office, by pilots, flight schools and clubs. Includes all ILS, radar approach UNICOM, Omnirange (VOR) control tower, private, commercial and milltary air craft communications. VHF frequency range 108 in 136 MHz . Sensitivity $1 \mu \mathrm{~V}$. Features nuvistor 8 f stage, fully tuned 2nd if stage, bullt-in $5^{-}$speaker, noise squelch, tone and volume controls and illuminated slide rule dial. Blue vinyl laminated steel cabinet. Size; $121 / 4 \mathrm{~W} \times 61 / 4 \mathrm{H} \times 63 /{ }^{\prime \prime} \mathrm{D}$. For $105-125 \mathrm{~V}$ 60 Hz AC. Shpg. wt., 16 tbs.
40 F solsewk
Net 99.95

## OELUXE LAFAYETTE MOBILE

FM VHF ANTENNAS
LOW BANO MOBILE ANTENNAS


- For 130.174 MHz - For $\mathbf{4 5 0 . 4 7 0 \mathrm { MHz }}$

With 12" Cable
Mobile roof or trunk mount for 130 . 174 MHz or $450-470 \mathrm{MHz}$ operation. Terminates in $3 / 8^{\circ}$ bolt. Whip has set screw-type adapter for easy funing. Comes with 12 ' RG-58u cable and PL259 connector pre soidered to the antenna. Length $21 \mathrm{yz}^{\prime \prime}$. Shpp. wt., 1 lb
40 F 0t137w
Net 6.95

## HIGH BAND MOBILE ANTENNA

- For $30-50 \mathrm{MHz}$
- Features "Rapid-Grip" Trunk-Lid Mount
Less Cable
3 deluxe new base loaded FM-VHF mobile antennas to choose from-$30-36 \mathrm{MHz}, 36-42 \mathrm{MHz}, 42.50 \mathrm{MHz}$. All 3 antennas include "Rapid-grip" trunk lid mounts for simple and easy installation. No holes to drill. Provides ideal omni-directional signal pattern. Consists of weatherproof phasing transformec, stainless steel whip and cadmium plated "rapidgrip' mount. Overall length $43^{\prime \prime}$. Wi. 2 lbs.
40 F $01145 \mathrm{~W} 30-36 \mathrm{MHz}$... Net 12.95 30 F 01152 W 36.42 MHz Net 12.95 40 F 01129 W 42.50 MHz .. Net 12.95

20. Coaxial Cable Assembly for above antennas Terminate with PL-259 on one end and universal lugs on other end.
42 F 70021 $\qquad$ Net 2.95

## LOW-BAND $30-50 \mathrm{MHz}$ FM.YMF WINDOW MOUNT ANTENNA

- Perfect for Apartment Applications
Especially designed for apartment installation where other outdoor antennas can not be used. May be cut to resonate at any desired frequency from 30 to 50 MHz . To receive signals below 30MMz, simply leave antenna at maximum length. Comes with angle mount bracket for ledge mounting. Shpg. wt., 2 lbs. 40 F 13017w

Net 8.95

## LAFAYETTE DUAL BAND <br> FM-VHF INDOOR MONITOR ANTENNA

$8^{95}$

- For $30-50 \mathrm{MHz}$ 130.174 MHz

Dual band indoor antenna enables you to operate your VHF FM communications receiver without having to put up an ouldoor antenna. Consists of 2 section stainless steel whip with center loaded coils for $30-50 \mathrm{MHz}$ and $130-174 \mathrm{MHz}$. Overall length $48^{\circ}$. Lug-type connector. Imported. Shpg. wt., $3 / 4 \mathrm{fb}$. 99 F 26105

## LAFAYEITE MONITOR FM.VHF GROUND PLANE ANTENWAS

LaFAYETTE "RANGE-BOOST"TM
2 BAND FM VHF GROUND PLANE COMMUNICATIONS ANTENNA

AS LOW AS


Model LR-145 Migh Band Monitor For $130-174 \mathrm{MHz}$ and $450-470 \mathrm{MHz}$. Lightweight, omni-directional vertical ground plane antenna. A Radials are of stainless steel construction. Radiator is of chrome plated brass and highly corrosion resistant. Coaxial fitting on antenna base directly accepts the standard PL-259 coaxial plug. U-bolts are provided to accept up to $11 / \mathrm{B}^{*}$ diameter masts. Shpg. wt., 2 lbs.
40 F 01160 w

$$
\text { Net } 7.50
$$

## Model LR-40 Low Band Monitor

For 25-50 $\mathbf{M H z}$. Omni-Directional vertical ground plane antenna. 3-solid aluminum radials cadmium plated steel mounting brackets. Lug-Type connector. U-Bolt supplied to accept up to $11 / 0^{-}$masts. Tuning Chart supplied. Shpg. wt., 4 lbs.
40 F 01178 w
Net 9.50

- For 30.50 MHz , $130-174 \mathrm{MHz}$
- Boost your FM Receiving Range

An exceptionally efficient ground plane antenna for operation between 30 to 50 HMz and 130 to $174, \mathrm{MHz}$ (on the high band, maximum antema cable length to receiver should be 50 ft . for best efficiency). Comprised of 4 easily assembled drooping ele. ments tuned to 30 MHz and vertical radiator with a matching transformer and a low and high band collinear collector. Ideal for Use with Lafayette FM communications receivers. Constructed of heavy-duty alum. inum alloy rods and stainless steel fip section. Antenna comes complete with mounting bracket for $1^{*}$ pipe or $12 / 4{ }^{*}$ tubing. shpg. wt. 6 los.
40 f 01053 wx
Net 19.95


Get exceptionally high performance! Con sists of two $1 / 2$ wavelengths, employing both impedance matching and high Q phas ing colls, encased in a weatherproof jacket. Precise factory tuning makes cutting un. necessary. All fittings are made of chrmme plated brass for reliable operation and longest possible life. Shunt fed DC grounding provides lightning protection. Gain: 4 db over $1 / 4$ wave antenna across entire band; VSWR: 1.5:1 or better; Antensa Power Rating: 100 Watts: Input impedance: 50 ollms. Use RG-58/U cable with PL-259 coaxial connector. Shpg- wt., 4 lbs. 40 F 01202 W

An exceptionally versatile 3 db gain, 450 to 470 MHz mobile heavy-duty antenna designed to fit every professional vehicular requirement. 3 db gain doubles effective radiated transmitter power. Phasing coils are shock-resistant, weatherproof, mounteo in the center of the radiating element and encased in jackets. Whips are stainless steel and feature an adapter providing $11 / 4=$ adjustment for exact field frequency tuning by raising or lowering the bottom rod without cutting. Input impedance: 50 ohms; Antenna Power Rating: 100 Watts.Wt. 3 lbs 40 F 13256 W


HA-600A
PRODUCT DETECTOR FOR SSB/CW

## NEW! 5 Band AM/CW/SSB Solid-State Amateur And SW Receiver

- 10 Transistors, 2 FET's, 7 Diodes, and 1 Zener Diode
- Mechanical Filter for Exceptional Selectivity
- Huge Edge-Illuminated Slide Rule Dial with "S" Meter
- 117 -Volts AC and 12 -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

Only
5 BANDS INCLUDE
BAND A: 150 kHz to 400 kHz BAND 8: 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
$99^{95}$
No Money Down*

The HA-600A Reneral coverage receiver combines the latest solid state electronics with sleek, modern appearance to achieve a superb blend of performance and style. Advanced circuitry utllizes two Field Effect Transistors in the front end RF stages to assure high sensitivlty with lowest noise factor. 10 high performance transistors and 8 diodes compliment the FET's to provide sharp response with exceptional stability. Series-Gate noise limiter and automatle volume control circuitry provide efficient nolse and audio blasting suppression on AM. Builtin varlable BFO permits clear reception of code and single sideband signals. 455 kHz mechanical filter assures superior selectivity. Receiver's operation is virtually undis-
turbed by harmonics or noise from antenna to speaker. Rear panel accesswry socket provides convenient connectlon for audio output, 12 VDC, giound and AYC line, along with receiver muting connections. Huge flywheel operated slide rule dial has easy-toread Illuminated main tuning logging, and bandspread scales. Electricsl bandspread features wide catibration for easier tuning of crowded ham bands. Operates from 117 VAC 60 Hz or 12 VOC (negative Rround omly) . . Derfect for emergency usel tm . ported. Shpg. wt., 253/4 tbs.
95 F 25991 wux
Net 99.95
Matching $3 \times 5$-inch speaker in handsome cablinet.
40 F 09056
Net 8.95

## SPECIFICATIONS

Sensitivitya $1 \mu \mathrm{~V}$ at 10 db signal to noise ratio. Selectivity: $\pm 6 \mathrm{KHz}$ at 60 db down, $\pm 2 \mathrm{kHz}$ at 6 db down. Intermewlite Frequency: 455 kHz . BFO Frequency: $455 \mathrm{kHz} \pm 2.5 \mathrm{kHz}$. Antenna Impedance: $50-400$ ohms, sudio Power output: 3-watts at 4 ohms. Speaker tmpedance: 4. 8, and 500 ohms. Headphone Impedance: 8 ohms. Receiving Modes: AM-CW-SSB. Power Requirements: $105 \cdot 120$ Volts 60 Hz (17 watts max.) 12 volts DC ( 650 ma. max.). Sizee $15 \mathrm{~W} \times 93 / 4 \mathrm{D} \times 81 / 4^{\prime \prime} \mathrm{H}$.

## Model HE-48B MATCHING AMATEUR SPEAKER

- Excellent Speaker for Lafayette or Other Receivers Which Require External Speaker
- Large $3 \times 5$ Inch Permanent Magnet Speaker

A quality $3 \times 5$-inch permanent magnet speaker designed into a handsomely styled cabinet with attractive finish. Provides clean, crisp. and clear audio response-even during ŝingle sideband reception. Made for Lafavettemor
other manufacturer's receivers which need external speaker provisions, Voice coil im. pedance: 8 ohms. Size: $75 / 6 \mathrm{Hx} 31 / 2 \mathrm{~W} 51 / /^{\prime} \mathrm{D}$. Shpg. wt., 21/2 lbs.
40 F 09056

ONLY


Marde in U.S.A.

HE-48B

## The Warld At Your Finger Tips!

BRIME HISTORY MAKING NEWS INTO YOUR HOME... FROM THE FAMOUS CAPITALS of THE WORLD!

Only


No Money Down*

## LAFAYETTE Explor-Air Mark V Shortwave + AM Broadcast Receiver



Broadcast +4 Exciting International Shortwave Bands<br>- 550 to 1600 kHz - 9.45 to 9.8 MMz - 5.9 to 6.25 MHz - 11.45 to 12 MHz<br>- 15.05 to 15.5 MHz

## SUPERHETERODYME-Not Super-Regenerative!

Listen to world-wide exclting current events right in your own home hear the actual broadcasts from the major news centers around the world in English and foreign languages; BBC London, Radio Moscow and many others.
The Explor-Air Mark $V$ receiver is refined in its ability to bring in sfations loud and clear and features simplicity of operation. In addition to the standard AM broadcast Irequencles, the receiver is designed to tune the popular international shortwave broadcast bands on 49, 31, 25 and 19 meters (each band occupies a select portion of the full shortwave spectrum) through the use of individual tuned circuits for each of the five bands. For greater ease of tuning on congested bands each shortwave band has been extended to cover the entire width of the 0 to 100 logging scale.

## ECONOMY SHORT-WAVE PACKAGES WITH

 EXPLOR-AIR MARK V

40 F 90148wXM Shpr. wt., $161 / 2$ lbs. No Money Dawn * Explor-Air Mark $v$ plus Onty
$\begin{aligned} & \text { Shortwave Outdoor and } \\ & \text { Attic Antenna }\end{aligned}$
40 F 90122 WxM Shpg. wt., $154 / \mathrm{lbs}$. No Money Down*

## NOT A KIT- COMPLETELY WIRED

Operating features on the receiver include a self-contained $4^{4}$ dynamic speaker, buitt-in loopstick antenna, large illuminated slide rule dial calibrated in frequency and indicating place names, front panel headphone jack for optional sitent listening. controls for Volume Of1/ On, Tone and Band Setection, plus reas panel connection for external shortwave antenna. SPICIFICATIOwS: Full coverage on 5 -bands; AM Broadcast ( 0.55 to 1.6 MHz ), and International Shortwave on 49 Meter ( 5.9 to 6.25 MHz ), 31 Meter ( 9.45 to 9.8 MMz ), 25 Meter ( 11.45 to 12 $\mathbf{M H z}$ ) and on 19 Meter ( $\mathbf{1 5 . 0 5}$ to $\mathbf{1 5 . 5 M H z}$ ). Receiver is AC transformer powered with efficient superheterodyne circuitry. Complete with beautiful walnut grained metal cabinet. For $105-125 \mathrm{~V}$., $50 / 60 \mathrm{Mz}$ AC. Sire: $14 W \times 80 r 6^{\circ} \mathrm{H}$. Imported. Shpg. wt.. $131 / 2 \mathrm{lbs}$.
99 F 25850 WUX
54.95


HY-GAIN SW-9 SHORTWAVE WINDOW

- Includes Universal Window Mounting Bracket The ideal shortwave antenna for window installations. where roof-top antennas are impractical or eannot be used. Provides broadband performance comparaDle with other larger installations. Consists of one 9 foot aluminum tubular element with a universal meunting bracket and feedline. Simple to instali. Answers the problems of apartment dwelling SWl's. Shpg. wt., 3 lbs. 40 F 31183 W

Net 9.95

## HY-GAIN SW-6 SHORTWAVE ANTENNA


the eaves in the attic sists of 50 ft . Copper wire attached at both ends to low-loss sty. rene insulators. $15^{2}$ weather-proof rope on each insutator, plus leadin feedline. Shog. wt., 2 los.
40 F 31175
Net 6.95

## HEAR...

Sensational, Live, Mistory Making World Events ...
Superb Hi-Fi FPM Musical Programs...
Weather, Marine and AM Broadcasts... RIGHT IN THE COMPORT OF YOUR HOME!

# Lafayette 7-Band Professional AM-FM Hi-Fi, Shortwave and Weather Receiver Explor-Air Mark VI 



# $79^{95}$ 

No Money Down*

* Thrill To Live Broadcasts of World-Shaking Events!
* Relax With The Magnificent Sound of FM Hi-Fi Music!
* Hear Latest Weather \& Marine Reports!
* Enjoy Popular AM Local News, Sports, etc.

Hear exciting international news on this specialized International coverage receiver from: Prague, Berne, Berlin, BBC, London, Havana, Vatican, Moscow, Rio, Canada, Japan, Bucharest, Mexico, France, Athens, etc.

The Lafayette Explor-Alr Mark VI is a professionally designed FM, AM, Shortwave and Weather receiver with such advanced features as Individually tuned circuits for each band, automatic volume control, 455 kHz ceramic filter for superiop selectivity, tuned RF stage for outstanding sensitivity, and a "Shock-free" high voltage transformeroperated power supply. Seven full dial bands offer extra wide station separation: llluminated wide-view slide rule dial is labeled with clearly vlsible names of primary citles and countries. The back panel has terminals for external AM and FM antennas; tape recorder out-

- 17 Transistors, 6 Diodes, 2 Thermistors
- Attractive Front Panel with Large Illuminated Slide-Rule Dial
- Illuminated Jewel Band Indicators
- Private Listening Headphone Jack
- Built-in FM and AM Antennas
- Tape Record Output Jack
- 105-125VAC/50-60 Hz; 24VDC
put jack; 8 -ohm extension speaker jack; speaker fuse and 24 volt DC input connection. Attractive styling includes brushed aluminum trim and control panel, and oiled walnut wood sides. SPECFICATIONS: two built-in 4" PM speakers, FM Sensitivity: $2 \mu$ v or less. Cross Modulatisn: 70 db , De.emphasis: 75 microseconds. Distortion: $1 \%$ or better @ $20 \mu \mathrm{~V}$. Image Ratio: 45 db . Antenna Impedance: 300 ohms. AM: Suppression @ 10 V 35 db . Shortwave: as low as $2 \mu \mathrm{v}$ sensltivity. Size: $14^{1 / 4 \times 61 / 0 \times 97 / 8 " D}$. Imported. Shpg. wt., $173 / 4 \mathrm{lbs}$. 99 F 26015 WUX


## SAVE ON THESE ECONOMY EXPLOR-AIR MARK VI SYSTEMS!

## only 8295

SAVE 3.95 No Money Down* From Individual Catalog Prices!

Explor-Air Mark VI
Shortwave Outdoor and Attic Antenna
Shop, wt. $19 \frac{3}{4}$ lbs
40 F 90163 WXM

- See Page 11 for Full Credit Details on Easy Pay Plan


# Only 8595 

No Naney Down
SAVE 3.95
From Individual
Catalog Prices!
Explor-Air Mark VI
Shortwave Window
Antenna
Shpg. wt. 203/a lbs.
40 F 90171 WXM

## 6-METER SOLID-STATE MOBILE TRANSCEIVER



- 5-Watts DC Input-
- 18-Transistors, 8-Diodes, 2-Zener Diades
- Tuneable Receiver, Xtal/VFO Transmitter

No Money Down*


- $\pm 200 \mathrm{kHz}$ Vernier Receiver Tuning
- Sensitivity Less Than l $1 \mu \mathrm{~V}$ for 10db S/N

Years of engineering research in 2-way communications brings you a major breakthrough in size, performance, ans pricing of 6 -meter 2.way gear...t the HA-750. Fully transistorized $50-52 \mathrm{MMz}$ circultry features selectable single knob VFO receiver/transmitter tuning with vernier offset or crystal controlled transmitter with tunable receiver operation. Fine features include flluminated " 5 " $/$ "PRF" meter, spot switch, series gate automatic noise limiting, built-in $3 \times 5^{\prime \prime}$ speaker, and relay switching. 5 -watt transmitter draws less than 1 ampere on full transmit. May be used as a 2.5 watt public address amplifier with external speaker. Supplied complete with DC power cable, mobile mounting bracket, and plug-in PTI dynamic microphone. Size: $2^{3 / 6 H x} 61 / 4 \mathrm{~W} 8^{\circ}{ }^{\circ} \mathrm{D}$. Imported. Shpg. wt., $71 / 2 \mathrm{lbs}$. 99 F 26056 WUX For Negative Gnd. Only

Net 113.95 MODEL HB-502B CHARGER/AC POWER SUPPIY for 117 Voits AC operation. Charges nicad batteries used in portable power pack. 99 F 32088 w Shpg. wI., 5 lbs.

Net 19.95

MODEL HB- 506 PORTABLE DC POWER PACK Aftaches to HA-750 for convenient portable operation. Less Batteries. 99 F 31544 shpg, wt., 2 lbs. ${ }^{\circ}{ }^{\circ} \mathrm{C}^{\prime \prime}$ Dry Cell for HB-506 Power Pak (8 required) 99 F 62572 Net ea. 14 Lots of 10 Net 1.20 99 F 63802 Alternate "C'" Alkaline Cell (8 required)... Net ea.
.44
CRYSTAL CE日TIFICATE FOR MA. 750 , Send filled-out certificate, one. for each crystal, to manufacturer. Mfr. will ship crystal cirectly to you, postage prepaid, within a maximum of 30 days.
Certificate. Specity eract Operatin! Frequency. We C.O.D. 40 F 57014 Y

Each Net 4.95
LAFAYETTE 6-METER "RAPID-GRIP" MOBILE ANTENNA. Wt., 2 lbs. s0 F 01095 Less Cable Assembly 11.95 20 F 10921 Less Cable Assembly 20 Ft. RG-58/U Mobite Coble Assembly
42 F
$\begin{array}{lrr}\text { Net } & 11.95 \\ \text { Net } 2.95\end{array}$

## SMALI...COMPACT OMIY 2 INCHES HIGH!

Convert Flea Power To Real Power!

- Covers $20-54 \mathrm{MHz} \ldots 6,10,11$ and 15 Meters (Not Permitted on 11 Meters Class D (CB) Operation in U.S.A.)
- No External Switching Required
- Will Work On Any Signal of 1 to 10 Watts -
AM, FM, SSB or DSB, and CW
- Completely Self-Contained 12 Volt Power Supply


## No Money Down*

Boost flea power to real high power for extended range and better readability. Provides up to 100 watts PEP ( 50 Watts DC) Input into a 50 ohm load (with 8 watts RF drive). Unique RF sensing circult automatically switches in linear when transmitter is activated. Absolutely no external switching is necessary. Built-in relay directiy connects antenna to input $\$ 0-239$ coaxial socket when receiving. No internal connections are required to your existing equipment. Simply insert the unit in series with your transmitter for transceiver) and antenna and you're on the air with a real punch. Circuitry is broadbanded so only one tune up is usually necessary on any band. Illuminated front panel meter indicates relative RF strength of linear's output signal when linear is on, or exciter's relative RF signal strength when tinear is off. Self.contained power
supply utilizes a high efficiency toroid power transformer, Ruggedy designed chassis with oversized heat sinks assures sturdy and cool operation. Supplied with comprehensive manual; fused OC power cables and mounting bracket. Size: $7^{\circ \prime} \mathrm{D} \times 9^{\prime \prime} \mathrm{W} \times 2^{\circ} \mathrm{H}$. Made in U.S.A. Shpg. wt. $5 \frac{1}{2}$ lbs. 12 Volt OC Negative Ground Only.
40F O1061wux
Net 89.95

SPECIFICATIONS: FIequency Coverage: 20.54 MHz . Plate Power Input: 50 Watts ( 100 Watts PEP). Winimum RF Drive: 1 Watt. Maximum RF Drive: 10 Watts. Input Impedance: 50 Ohms. Output Impedance: 40 600 Ohms ( 50 Ohms Nominal). Amplification Modes: AM, FM, SSB or DSB, CW, Power Requirement: 11.5-14.5 Volts DC (Neg. Ground only)

## LAFAYETTE 6 Meter Amateur Transceiver



- Dual Conversion with Crystal Controlled 2nd Converter
- Built-in Solid State 12 V.D.C. and 117 V.A.C. Power Supplies
- Built-in Low Pass TVI Filter
- Tuned Nuvistor Front End
- 20 'Watt DC Input-2E26 Final
- Air Variable Antenna Load and Plate Tuning
- lliuminated "S" and RF Output Meter
- Front Panel Speaker
- Front Panel Crystal Socket
- Frequency Spotting Switch

Exciting 6-meter transceiver teatures a powerful plate modulated 20 watt DC input transmitter and stable VFO with its men frequency control hnob. Tune up is fast and efficient with broad banded driver and multiplier stages. Shielded low pass filter minimizes TVI problems. Dual conversion receiver utilizes a crystal controlled 2nd converter, Nuvistor RF amplifier's sensitivity is less than $1 \mu \mathrm{~V}$. for 10 db signat to noise ratio. Selectivity at 8 kMz is 35 db . Effective automatic noise limiter ellminates most types of QRM. Other features include spotting switch, use of standard 8 MHz crystals with front panel crystal socket; thiuminated meter that reads $\mathbf{S}$ units on receive and RELATIVE RF output on transmit; plug-in encapsulated dust free relay switching: front panel earphone jach; push-pull audio amplifier: and rugged push-to-talk ceramic mike with coiled cord and plug. Going mobile? the MA. 460 comes with both 117 V.A.C. and 12 V.D.C. (positive or negatlve ground) bullith solid state power supplies. Sup-
plied with $A C+O C$ power cords, mike and mobile mounting bracket. Size: $12 \%$ W $\times 5 \%$, $H \times 33_{4}{ }^{-D}$. Imporled. Stpg. Wt. $24 \mathrm{lbs} .40 \mathrm{I}_{\text {. }}$
Lałayette Model MA-4E0-6 Meter Amateur Transceiver for 50.0 52.0 MHz . No Money Down*

99 F 25793WUK
Net 129.95
Caystal cerrificalc. Send filled-out certificate, one for each crystal, to erystal manufacturer. Manufacturer will ship crystal directly to you, postage prepald, within a maximum of 30 days. Specify Fundamental Frequency.
40 F 54037 No C.0.D.'s
Lafayette 6 -Meter "Rapid-Grip" Mobile Trunk Antenna, Less Cable.
40 F 01095 Shpr. wt., 2 lbs.............................................. Net 11.95
20 Ft. RG-58/U Cable Assembly.
42 F 70021

## 6-80 Meter SSB/AM/CW Solid-State Amateur Receiver

## 6 AMATEUR BANDS INCLUDING 6 METERS

## SENSATIONAL LOW PRICE! $129^{95}$ <br> MODEL HA-800

> * Product Detector for SSB/CW
> $\star$ Built-in 100 kHz Crystal Calibrator $\star$ Operates on 117 VAC or 12 VDC


## 14-TRANSISTORS + 3-FET's + 7-DIDDES

- Two 455 kHz Mechanical Fifters
For Sharp Selectivity
- FET's For Automatic RF Overload Protection
- Zener Voltage Regulated Power Supply
- Series Gate Automatic Noise Limiting
- Hlluminated Calibrated "S" Meter
- Dual Conversion On All Bands
- Huge Edge-Illuminated Slide Rule Dial

The Lafayerte Model HA. 800 receiver covers the 80 through 6 meter amateur bands with outstanding reception of CW, AM, and SSB signals. Tuned RF and ist mixer stages combine with an FET to provide high front end selectivity and sensitivity of $.5 \mu \mathrm{v}$ on 15 and 10 meters, less than $1 \mu v$ on 80,40 and 20 meters, and $2.5 \mu v$ on 6 meters. Product detector and BFO assure crisp CW and ciear SSB. Buitt-In 100 hHz .frequency calibrator provides accurate pre-selection (supplied less crystal). Rear panel accessory socket provides convenient con-

# High Performance Amateur and SW Receivers 

Deluxe Drake Model R-4B Triple Conversion Receiver


## $475^{00}$

- Solid State Linear

Permeability Tuned VFO

- Noise Blanker on CW, SSB, AM
- Crystal Lattice Filter

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 $5.0 \cdot 6.0 \mathrm{MHz}$. Selectivity control with 4 bandwidths: 4 kHz ., 1.2 $\mathrm{kHz} ., 2.4 \mathrm{kHz}$. and 4.8 kHz . Pass band tuning permits $\$ 8$ selection without returning and adjustment. Noise blanker, notch filter, 100 kHz crystal calibrator. Crystal lattice filter ist If. Crystal oscillator and low frequency VFO outputs are pre-mixed. Receives SSB, AM, CW and RTTY with full RF gain. Product detector for SSB/CW-diode detector for AM. Transcieve capability: transceives with T-4XB or T-4X transmitters. S-meter, Less speaker. 60 watts. $120 / 240 \mathrm{YAC}, 50 / 60 \mathrm{~Hz} .51 / 2 \mathrm{H} \times 103 / 4 \mathrm{~W} \times 115 \mathrm{H}$ D. Shpg-wt., $19 \% / 4 \mathrm{tbs}$ 40 F 65306 Wx No Money Down *

Net 475.00
Model MS-4 Matching Speaker for R-48. Wt., 91/2 lbs.
40 F 65041 w
Net 22.00

DRAKE 2C SSB/AM/CW RECEIVER


- Product Detector For SSB/CW - 3 Bandwidths of Selectivity

Covers the 80, 40, 20 and 15 meter ham bands plus 28.5 to 29.0 MHz of 10 meters with crystal iurnished. Also tunes any 500 mHz range between 3.0 and 30 MHz with accessory crystal. Features include: USB/LSE, CW, AM, RTTY with full RF gain; solld state AVC with fast attack and slow release for SSB, or. last release for high break-in CW ; solid state audio with 1.8 watts output; 5 s lectivity control provides bandwidth choice of . $4,2.4$, and $4,8 \mathrm{kHz}$. Set has 50 kHz se. lectable-passband filter and accurate S -meter. Rear panel jacks for antenna, loudspeaker, external muting and sidetone. Size: $11 \mathrm{~K}_{6} \mathrm{~W} \times 6 \mathrm{~K}_{2} \mathrm{H} \times 9 \%_{8}{ }^{\prime \prime} \mathrm{D}$. Shpg. wt., 15 tbs.
40 F 65280 WX No Money Down* Net 255.00 Model $2-\mathrm{CS}$ Matching Speaker for $2-\mathrm{C}$. 40 F 65298 w Shpg. wt., 6 lbs .... Net 22.00

HAMMARLUND HO-200
general coverage receiver


Continuously tunable from 540 kHz to 3 MHz with live 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 kHz (SSB) and 100 Hz (CW). Q multipiler operates independently of BFO. BFO variable $\pm 2 \mathrm{kHz}$. Other features include antenna trimmer, AVC, series noise Ifmiter, product detector, and "S' meter. Sensitivity: better than $0.5 \mu \mathrm{~V}$. for CW and SSB. Audio output: 2.5 watts (EIA). Power requirements: $117 / 230$ volts AC $50 / 60 \mathrm{~Hz}$. Sizes: $161 / 2 \mathrm{Wx} 8 \mathrm{Hx} 91 / 8^{\prime \prime} \mathrm{D}$. 40 F 28924 WX Shpg. wt., 22 lbs. Net 249.95 Model S-101 Speaker for HQ-200
40 F 28932 W
Net 19.95

DRAKE SW4A SW RECEIVER


- Dual Conversion
$299^{00}$
- Direct Frequency Diating

Superb reception of European LF, American MF, and International SW broadcast bands. Frequency Coverage; . 15-5.5-1.0, $1.0-1.5,6.0-6.5,7.0-7.5,9.5-10.0,11.5-12.0$ $15.0-15,5,17.5-18,21.5-22$ and, $25.5-26.0$ MHZ with crystals supplied. Crystal sockets are provided for coverage of any three additional 500 kHz ranges between 1.5 and 30 MHz except $5.0-6.9 \mathrm{MMz}$. Has S meter for signal strength indication. Preselector provides supert sensitivity. Crystal high frequency oscillator. Amplified AVC. Solidstate AF output. impedance: 4 -ohms. For $120 / 140 \mathrm{VAC}$., $50 / 60 \mathrm{Mz}$. Size: $51 / 2 \mathrm{H} \times 103 / 4$ $W \times 115{ }^{2} 0$. Shpg. wt., 18 los.
40 F 65330 Wx No Money Down* Net 299.00 MS-4 Matching Speaker. Shpg. wt., $91 / 2$ lbs. 40 F 65041 w

Net 2200

## HALLICRAFTERS SX-133 <br> general coverace receiver

\section*{| 0.0 |
| :---: |
| 0.0 |
| 0000000 | <br> $249^{95}$}

Deluxe fout band superhet receiver tunes $\mathbf{5 3 5}$ kHz to 31.5 MHz . Covers forelgn and domestic short-wave broadcasts, amateurs, aircraft and marine plus standard AM. Receives code (CW), voice (AM), and single sideband (SSB), selectable upper or lower. Calibrated electrical bandspread on the $80,40,20,15,10$ meter amateur bands, clitizens band and the 49, 31, 25, and 19 meter shortwave bands. Fine features include selective crystal filter, calibrated BFO, product detector, antenna trimmer, " $s$ " meter, effective noise limiter, and crystal callbrator. For 117 VAC $50 / 60 \mathrm{~Hz}$ Size: $18 \% \mathrm{~W} \times 8 \mathrm{H} \times 93 / 40$. Shpg. wt., 35 lbs 40 F 25656 Wx No Money Down* Net 249.95 Speaker for SX-133. Shpg. wt., 4 lbs, 40 F 09056
 COMMUNICATIDNS RECEIVER


- AM, CW, SSB, (Upper and Lower)

Four-Pole Crystal Lattice Filter

- Product Detector for CW and SSB Deluxe communications receiver. Covers $150-500 \mathrm{kHz} ; .5 \cdot 1.0,1.0-1.5,6.0-6.5,7.0-$ $7.5,9.5-10,11.5-12,15-15.5,17.5 \cdot 18$ 21.522 MHz . Sensitivity: $0.25 \mu \mathrm{~V}$ for 10 db $\mathrm{S}+\mathrm{N} / \mathrm{N}$ on SSB and CW ; AM: .5 uV with $30 \%$ mod., gives $10 \mathrm{db} \mathrm{S} / \mathrm{N}$. Ist if: 5645 kHz 4 poie crystal lattice filter; 2 nd If 50 kHz 4 -pole hi-Q ferrite LC filter. Calibration: $\pm 1 \mathrm{kHz}$ at nearest 100 kHz callbration point. Includes 5 meter, preselector control, and AVC on AM, CW and SSB. Input Impedance: Approx., 50 ohms. Output Power: 3 -watts into 4 -ohms, For 120 VAC or 12 VOC . Size: $51 / 2 \mathrm{H} \times 107 / 4 \times 121 / 4^{\prime \prime} \mathrm{D}$. Shpg. wt., 19 lbs . 40 F 65421 Wx No Money Oown" Net 449.00 MS-4 Matching Speaker. Shpg. wt., $91 / 2$ tbs. 40 F 65041w

Net 22.00

## AMECO R-5A 5-BAND

 GENERAL COVERAGE RECEIVER

Fine receiver for the short wave listener and ham. Covers .54 to 54 MHz . in five bands. Includes all amateur bands from 160 to 6 meters including the 27 MHz . Cltizens Band and 2 -way Monitor frequencies from $30-50$ MHz. Fully transistorized with built-in power supply-no warm up necessary. Features 2 IF stages for high selectivity, $6^{\prime \prime}$ slide rule dial, electrical bandspread, nolse limiter. BFO for CW reception, headphone jack for private listening, and jack for external 0 muttiplier, Controls: main tuming, bandspread, volume, BFO tuning, band switching, RF gain plus switches for power ANL and AM/CW. Vinyt covered metal cabinet. Sire: $12 \times 6 \times 9^{\prime \prime}$. For 117 Volts AC. Shpg. wi., 12 Ibs. 40 F 10542 Wx No Money Down ${ }^{*}$....... 99.95

## SWAN 260 "Cygnet" 5-BAND 260 WATT COMPLETELY SELF CONTAINED SSB TRAHSCEIVER



The Cygnet leatures full Irequency coverage of the $10,15,20,40$, and 80 meter bands with a power input rating of $26^{\circ}$ watts P.E.P. in the single sideband mode, and 180 watts CW input. crystal tattice fltter at 5500 kHz is used in both transm t and receive modes and provides excellent selectivity with a 2.7 kHz bandwidth at 6 db down. Receiver sensitivity is better than $1 / 2$ microyolt - great for pulling in those DX signals. Temperature compensated on all bands. Solid state oscillator circuitry wilh zener diode regalation permits wide variation in supply line voltage without frequenty shift. Unwanted sideband suppression is $\mathbf{4 5}$ dta carrier suppression is -60 db , and distortion products are down approaimately 30 db . Supplied complete with aft power cords and carrying handte; thus making it one of the most veisatile and zortable sets on the marKet. Dimensions: $13 W \times 51 / 2 \mathrm{H} \times 11^{2} \mathrm{D}$. Shuk. wt. 27 the For 117 VAC. 60 Hz and 12 VDC
40 F 20173Wr No Money Down*
Net 435.00 WEW SWAN Cythet 270 sse Transceiver-Deluxe version of Model 260 Features sideband setectron. AGC. MC, 100 NC calibrator. For 117VAC. 60 th only. Shpe. wt. 28 lbs. so F Te207wx

Net 499.00
DRAKE MODEL TR-4 SSB/AM/CW TRANSCEIVER


- Full Frequency Coverage $10-80$ Meters
- Automatic TR Switcking on CW
- LW Side Tone Oscillator


## 69995

- Vox or PTT on SSB ar AM
- Adjustable Pi-Network
- Solid-State VFO
- Hew IF Noise Blanker

Deluxe SSB/AM/CW transceiver with vox and PTT on SSB and AM, automatic transmil/receive switching on CW. Ideal for mobile or portable work. Sensitivity less than microvort for 10 db S/N. Features: Selectivity 2.1 kMz at $6 \mathrm{db}, 7.5 \mathrm{kHz}$ at 60 db ; Ranges $3.5-4$ MHz, 7.0-7.6 MHz, 13.9-14.5 MHz, 21-2L $6 ~ M H 2, ~ 28-28.6 ~ M H z, ~ 28.5 . ~$ 29.1 MHz , 29.1-29.7 MHz ; Iransistorired permeabitity tuned oscillator which tunes 4.9 .5 MHz . Less than 100 Hz drith after warmup; input power 300 w PEP (SSB) 260w AM or CW; 20 lubes 6 diodes
 Shpr. wt. $21 \frac{1}{2}$ libs.
40 F 65215 wx Model TR-f No. Money Down*
Net 699.55
ACCESSORIES FOR DRAKE TR-A
40 F 65041 MS-4 Matching Spler. for TR-4, WL. $98 / 2$ fbs. Net 22.00 40 . 65249 Wx AC-4 AC Power Supply for TR-4. $181 / 2$ tbs. Net 99.95 40 F 65397WX OC-4 DC Power Supply for TR-4, 10 ibs.... Net 125.00

## NFW Deluxe SWan 500CX 5-BAND SSB TRANSCEIVER



- 125 Watts AM Input - Crystal Lattize Filter

Defure 5 -wand SSB transceiver for fixed. mobile. or portable operation. Using a pair of 6L06 tetrodes the tinal ampilfler operates with increased efficlency and power output on all bands. The 500 CX is Conservatively rated at 550 watts P.E.P. on sideband; $\overline{560}$ watt: CW input and 125 watts AM. Full 5 bahd frequency coverage: 3.5-4.0 $\mathrm{MHz}_{1} \quad 7.0-7.5 \mathrm{MHz}, 13.85-14.35 \mathrm{MHz}$. $21-21.5 \mathrm{MHz}$. 28-29.7 MHz . Feafures: New Automatic Gain Control circuit, Amplified Automatic Level Control. Improved Product Deiector circuit. carrier suppression excerding 600 b . Selectable upper and lower sidetand, 100 kHz crystal calitorator, automatic noise Imiter, increased VFO statility. crystal laftice filter. provision for internal speaker. Sensitivily is belter than 5 my . Rejection better than 100 dt . Precision funing mechanism, Built-in accessory socket for exterral VFO. 16x151/4x81/4". Shpg. wt., 21 lbs.
40 F 70199 wx No Money Down*
Net 575.00
ACCESSORIES FOR SWAN 500CX AND 500C
40 F 70090 wx 177 xc AC Power Supply \& Speater, 22 lis. Net 105.00 40 F 70066 wx 14.117 12VOC Power Supply. Wt. 20 lbs .. Net 130.00 40 F $700: 4 \mathrm{Vx}-11$ Plug-in Vox Adapter. Shpr. wt.. $11 / 2$ llas. Net 35.00
SWAN 250C 6 METER SSB-CW-AM TRRNSCEVER


## - 240 Watts P.E.P. in SSB - Crystal Lattice Filter <br> 

Provides complete sin meter band coverare from 50 to 54 MHz famous swan vernier tuning covers 500 kHz segments band. Accurate calibralion is assured by buitt-in 250 WHz crystal calibrator and 5 Hz increment dial. Two cascade 6CW4 nuvistors provide a receive moise ligure of better than 3 dt . Selectivity is 2.8 kHz at -6db. Crystat lattice frequency: 10.9 MHz . Receiver operates both on AM and SS8. Fully setectable upper or tower sideband. Power Rating: 240 watts P.E.P. input for SS8. 180 watts C C input, and 75 watts EM input. Uses iwo 6146B fimats. Dístortion poducts -3000. Carrier suppression:-50db. Unwanted sideband: -40do. Meter monitors " $\$$ " units, P.A. cathode current, and relative output, Wide range Pi-Networt antenna matching. Accessory sochet for noise silencer. Size $51 / 2 \mathrm{Hx} 13 \mathrm{Wx} 11^{\prime \prime} \mathrm{D}$. Shpr. Wt. 18 lbs.
40 F 7eleitwx No Money Down* Model 117XC AC Power Supply 40 F 700sowr Shpg. wt. 22 los. Model 14-117 12VDC Power Supply 40 F 70066 wX Shpg. wt., 20 lbs.

Net 450.00 Net 105,00 Nel 130.00

## Transmitters, Code Courses and Accessories <br> DRAKE T-AKB

DRAKE 2-NT
CW TRANSMITIER


# $164{ }^{00}$ <br> No Money 

Down*

- 100 Watts Input Power
- Automatic Transmit Switching
- Built-in Power Supply

Works all 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 foading; PA Plate tuning only! Additional features include: Automatic receiver muting; built-In CW sidetone with adjustable levelf low pass fitter prevents TVI spotting function; RF indicator light and built-in power supply. In standby position transmitter can be used as a code practice oscillator, Plate meter is red-lined for Novice power. Delay control varies from full "break. $\ln$ " to 4 seconds. Also has 2. front panel crystal sockets; rear panel mute, external switch, VFO and key jacks. For 120 V . $50-60 \mathrm{~Hz}$ AC. Size: $9 \% / 3 \mathrm{~W} \times 6 \% / 2 \mathrm{H} \times$ $6 \%, 0 \mathrm{O}$. Shpg. wt., $151 / 2 \mathrm{lbs}$.
40 F 65272 Wx
Net 164,00 SSB/CW/AM TRANSMITTER


No Money
Down*

## Improved version of model T-AX Covers 160

 10 Meters. Permeability tuned solid-state VFO has a calibration accuracy of better than 1 KHz. Rated at 200 watts PEP on SS8, 180 watts PEP on AM, and 180 watts CW. AM controlled carrier modulation is compatible with SSB linear amplifiers. Two crystal lattice filters for sideband selection. Plate/current relative output meter. Automatic transmitreceive switching on CW delivers true breakin to 60 wpm . VOX or PIT on SSB and AM. AGC operates on SSB to prevent flat topping due to overdrive. Size: $51 / 2 \mathrm{H} \times 11$ \% $\mathrm{D} \times$ $103 / 4$ "W. Less dower supply. Shpg. 18 lbs. 40 F 65322 WX Net 495.00AC-4 117VAC Power Supply for T-4XB 40 F 65249wX Shpg, wt., $181 / 2 \mathrm{lbs}$. Net 99.95

## AMECO TX-62 <br> 2 AND 6 METER TRANSMITTER


159

- Frea. Coverage: $50-54 \mathrm{MHz}$, 144.148 MHz .
- Power Input: 75 W. AM
- Built-in Solid State Power Supply
- Meter Reads Final Cathode Current.

Final Grid Current \& RF Output
A complete 75 watt phone and $C W$ Trans. mitter with a buill-In power supply and modulator. Only the final has to be tuned when you QSY. Crystal controlled or can be used with a VFO. Crystals used are the 8 MHz. type. Power Inout to the tinal is 75 watts on CW and 75 watts peak on AM phone. Tube lineup: 6 GK 6 -OSc, tripler; 6 GK 6 doubler, 7688 tripler (on 2 meters); 7984 final: $12 \mathrm{AX7}$ and 6 GK 6 modulator. SIze: $111 / 2$ x91/2 $\times 5^{6}$. Shpg. wt., $21 / 4 \mathrm{lbs}$. 40 F 10351w $\qquad$ Net 159.95
AMECO Model 621 VFO-For operation on 50 , 144, or 220 MHz . For use with Model TX-62 or any transmifter using 8 MHz crystals. Size:

40 F 10443 $\qquad$ Net 69.95

AMECO MODEL AC-IT AMATEUR TRANSMITIER KIT

only $24^{\text {95 }}$

- Ideal for Novice
- Self Contained

The Ideal unit for beginner or novice. Contains transformer powered AC power supply. Uses a Pl-network output. Has full 15-watt Input on 40 and 80 meters. Easy to bulld and operate. Complete with punched chassis, atI parts, tubes ( 6 V 6 and $6 \times 5$ ) and instructions. Shpg. wt. 8 lbs. Complete with 1 coll kit.
40 If 10096 Transmitter KIt
Net 24.95
40 F 10104 CK1 extra coll kit
Net 1.10

## SUPEREX AMATEUR HEADPHONE



$$
24^{95}
$$

Made specietly for the Ham and short wave IIstener. Comfortable, remov. able and replaceable vinyl foam ear cushions make long hours at the rig a pleasure. Dual impedance, 600 and $4-16$ ohms, can be changed at plug. Shpg. wt.; $2 \mathrm{l} / 2 \mathrm{lbs}$. 40 F 8501 's

Net 24.95

E. f. JOHNSON PHONE PATCH



$25^{\circ 0}$A compact automatic hybrid-transformer type patch which accepts PIT, manual, or vox keying. Separate receiver and transmitter input gain controls provide flexible operation without over drive. Effectively shlelded and RF by-passed to virtually ellminate RF feedback into the phone line. Switches audio from speaker to telephone headset for undistorted, hum.free response. Adjustable "Iline null" control. Size: $2^{\prime \prime} W \times 6^{-} \times 21 / 2^{\prime \prime} 0$. Shpg. Wt., $21 / 2$ lbs. 40 F 46231 Model 250-46 Patch

Net 25.00


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: cOncen trated study from 12 to 15 WPM ; one $331 / \mathrm{s}$ RPM LP. SUPPLEMENTARY EXTRA CLASS COURSE: concentrated study from 19 to 24 WPM; one $331 / 3 \mathrm{RPM}$ LP. Courses include 32 page manual with FCC-type exams.

| Stock No. | Course | Speed | Wi. | Met |
| :---: | :---: | :---: | :---: | :---: |
| 40 F 13058 | Junior | 331/3 RPM | $3 / 4 \mathrm{lb}$. | 3.95 |
| 40 F 13074 | Senior | 331/3 RPM | $3 / 4 \mathrm{lb}$. | 7.50 |
| 40 F 13090 | Advanced | 331/3 RPM | $3 / 4 \mathrm{lb}$. | 3.95 |
| 40 F 10518 | Extra Class | 331/3 RPM | $3 / 4 \mathrm{lb}$. | 3.95 |
| 40 F 10526 | Supplementary general | 331/3 RPM | $3 / 4 \mathrm{lb}$. | 3.95 |
| 40 F 10534 | Supplementary Extra | 331/3 RPM | $3 / 4 \mathrm{lb}$. | 3.95 |

## TAPED CODE - LEARN CODE ON A TAPE RECORDER



Prerecorded magneflc tapes containing a complete course in the Internatlonal Morse Code. The tapes are 7", 1200 ft. pre-recorded at $33 / k$ Ips and can be played on any standard tape recorder. Playing time 2 hours per tape. Shpg. wt., $11 / 2$ lbs.
40 F 49011 NOVICE Basic instructions s code 4.8 WPM. ... Net 5.50
40 F 49029 ADVANCED Code at $9-18$ WPM. 2.51 WPM. Net 5.50
40 F 49037 New EXTRA Code instruction at 22.31 WPM. .... Net 5.50 NEW! BASIC AND ADVANCED CODE COURSES
ON CASSETE TAPE

BASIC COURSE, consists of 10 lessons, bringing the student up to 15 words per minute. With 20 -page code course. 40 F 71007 Shpg. wt., $1 / 2 \mathrm{lb}$. - Net 4.35 ADVANCED COURSE, consists of 12 lessons,
9516 to 25 words-per-minute. With 20 -page code course. Shpg. wt., $1 / 2 \mathrm{lb}$.
40 F 71015 .

# 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-ploted brass and stainiess steel operating parts. Speed adjuslable 10 wpm to as high as desired. $1 / 8=$ sitver con. tacts; waight scale for reproducible speed settings. $67 / 2 \mathrm{~L}$. $3 \mathrm{~W} \times$ $21 / 4 \mathrm{H}$, exclusive of knobs and feet. Imported. Shpg. wt., $34 / 4 \mathrm{lbs}$ 99 F 25520

## (B) LAFAYETTE CODE PRACTICE SET

ldeal for the beginning amateur and code practice groups. Key has adjustable spring tension, and adjustable contact clearance. High frequency buzzer has frequency, and tension adjustment with lock nuts to assure constant frequency. There is provision for insertion of head set by means of binding posts with knurled tightening screws. For individual, group or remote listening. Uses Lafayette $11 / 2$ volt battery. Base $63 / 4 \mathrm{~L} \times 23 / 4 \mathrm{~W} \times 17{ }^{\circ} \mathrm{D}$, overall length $84 / 2^{\prime \prime}$. imported. Shpg+ wt., 1/2 Ib.
99 F 25538
Net 1.79
99 f $62564^{~ " D}$ " Cell battery for above Net .15 99 F 25504 Stethoscope Headset

Net 1.35

## (C) LAFAYEITE "BRASS-POUNDER'S" KEY

A precision-made key designed for hard usage. Spring tension and contact clearance adjustments; $3 / 16^{\text {- }}$ silver contacts; adjustable ball-bearing pivots; Clicuiticlosing switch. Base $3 \times 2$; overall size $5 \times 23 / 8 \times 1 / 10^{\prime \prime}$. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$.

## 99 F 25553

Net 2.50

## (D) LAFAYETTE BEGINNER'S KEY

Economical key for beginning amateurs. Solid, heavily chrome and nickel plated metal parts, molded phenolic base. Adjustable spring tension, adjustable metal parts and adjustable contact clearance. 2 mounting holes in base. Base $31 / 4 \mathrm{~L} \times 1$ 'ris ${ }^{4} \mathrm{~W}$. Owerall length 5*; height $13 \mathrm{~B}^{\prime \prime}$. Imported. Shpg. wt., 1/2 lb.

## 99 F 25546

Net .79

## (E) HIGH FREQUENCY CODE PRACTICE BUZZER

Adjustable frequency buzzer Ideal for individual or group code practice. Perlect code item for the ham shack. Black molded phenolic housing. Works with $11 / 2$ volt battery. Screw adjustment for changing tone. $1 \%{ }^{\prime \prime}$ diam. x $1 \mathrm{Ko}_{0}^{\prime \prime}$ high. Imported. Shpg. wi., 14 $\mathbf{i b}$.

## 99 F 25551

… Net .75
(F) MINIATURE CODE OSCILLATOR MODULE

Transistorized. Ready to connect to your telegraph hey, any $11 / 2$ 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., 8 dz.
15 F 15131
Net 98

## LAFAYETTE SOLID STATE WIRELESS CODE PRACTICE OSCILLATOR SET



Makes learning code as easy as possible. Ideal for students, hobbylsts or aspiring amateurs. Portable, battery operated. Just place oscillator antenna next to any AM radio... turn radio on and you're ready to practice or improve your code speed. Includes hand hey and 9 -volt tattery. Transistorized oscillator features low battery drain.
 ported. Shpg. wt., 2 lbs.
99 F 260 B0
Net 3.95 99 F 60212 Extra 9 volt battery. ... Net . 21


A terrific aid for the beginning Morse Code learner to experienred hams who wish to improve their code speed. Completely self-centained. It can be carfies 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 ase, without disturbing others, you have a choice of earphone tone operation, flashing light or both together. Uses low drain battery-operated transistor oscilllator. Specifications: Tone frequency range: Approx. 500 to 2000 Hz variable Controls: Pitch, Tone Light and Light/Tone. TermInals: Key, Earphone. Batteries: Includes $2{ }^{\text {" }} \mathrm{C}$ " cells. Case: Hi-impact bakelite. Size: $61 / 4 \mathrm{H} \times 33 / 4 \mathrm{~W} \times 2^{\prime \prime} \mathrm{D}$. imported. 99 F 25603 Shpg. wt., $11 / 4$ lbs.

Net 8.95 99 F 62572 Extra "C' cells for above, 2 required... Net ea. . 14 Lightweight Crystal Headset for above. Imported. 99 F 25504 Shpg. wt., 5 ot.

Net 1.39

## EICO MODEL 717 ELECTRONIC KEYER KIT



- Accurately Keys Any CW Transmitter
- 4 Overlapping Switch-selected Ranges

Fully automatic electronic keyer which may also be used as a code practice oscillator. Provides clean-cut, accurately timed dots and dashes, proportioned from 3 to 75 WPM in 4 overlapping switchselected ranges. $3 \times 5^{\prime \prime}$ speaker, separate volume and tone controls, vernier control on all speed ranges. Dot/space ratio-1:1. Dash/dot ratio $3: 1.51 / 2 \times 8 \times 81 / 4^{\prime \prime}$.
40 F 74191 Kit Shpg. wt., 127/4 tbs.
Net 59.95
40 F 74209 Factory Wired Shpg. wt., $123 / 4$ los.
Net 89.95

## YIBROPLEX SEMI-AUTOMATIC KEYS



Super Deluxe "Presentation." Patented jewel movement and Super speed control. Polished chrominum precisioned machined parts mounted on a 24 K gold-plated base top with colorful red switch knob, finger and thumb piece. Jeweled movement reduces triction, maintains smnother. easier noeration. Shpg. wt., 5 lbs . 40 F sios No Money Down*
"Champion". Low priced Vibroplex with same high standards of high quallty 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 polnts. Shpg. wt. 33 l lbs.

Net 21.95
40 F 88019
"Original". Acclaimed by veteran operators for its extremely smooth, clear, rapid, effortless and accurate operation. A rugged, well built, experth engineered machine for all classes of transmitting work. Large contact points. Die cut dot contact. Chrome-plated mechanism. Cast-iron base. Shpg. wt., $43 / 4 \mathrm{Jbs}$.
40 F 88027
Deluxe "Original". As above but jeweled bearings, chrome-plated base. Shpg. wt., 5 lbs.
40 F 83035 No, Money Down*
Net 32.55
CORD AND WEDGE for above. Specily model of key. Shpg. wt., $1 / 2 \mathrm{tb}$. 40 F $8 \mathbf{3} 050$

Net 2.75
Vibro-keyer. An efficient keying mechanism for an electronic transmitting unit. Smooth and easy operating trunion lever. Large contacts and frame. Size: $342^{\prime \prime} \times 41 / 2^{\prime \prime}$. Shpg. wt., $31 / 4$ lbs. 40 F 83068

## Amateur Meters, Converters and Clocks

LAFAYETTE SWR AND FIELD STRENGTH METER

ONLY


Measures SWR Relative Forward And Reflected Power to 1 kW Reads Field Strength

A handy $2-1 \mathrm{n}-1$ meter for use in the ama. lour SWR measurements. Can be left con tinuously in the circuit for monitoring trans. mitter outputs, SWR: $1: 1$ to 3:1; Accuracy $\overrightarrow{+5} 5 \mathrm{ob} .2$ to 30 MHz ; fmpedance: 520 Oms ; Antenna: s-section, collapsible, Comparative with this fine meter. Sensitive 100 micro. ammeter movement with easy to read 2 -cotor dial. Impedance matches 52 Ohm coaxial lines. Attractive grey hammertone aluminum Shog. wt. 1 ib . Net 9.95
99 F 25371 .

## AMECO PV NUVISTOR

 VHF PREAMPLIFIERSEICO 710 GRID DIP METER


Extremely stable grid dip meter with a Prequency range of 400 kHz to 250 MHz . Covers AM and FM broadcast bands, low and high band moblle radios, CB, and all ham
bands through VHF: Use to tune transmitters, trim antennas to proper length, locate parasitic oscillations, measure circuit resonance, determine capacitance, "a" vaiues, and inductance. In addition, can also be used as a transmitter monitor and a wave0.500 ua meter, and a rotating drum scale ooerates on $115 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: $21 / 4 \times 2 \% \mathrm{hx}$ $67 / \mathrm{m}^{\prime \prime}$. Shpg. wt., 4 lbs .

40 F 74258 Model 710 KIt Modet 710 Factory wired and tested
AMECO 6 AND 2 METER AMATEUR CONVERTER KITS
 Meters


Use ahead of a receiver or converter to im. prove the gain and noise figure considerably Employs a completely neutralized 6 CWA Nu 3.0 db at 144 MHz , requires 100.150 VDC at 8 ma and 6.3 volts at .13 amps, $A C$ or OC. Only $21 / 2 \times 31 / 2 \times 7^{\prime \prime}$ Shpg. wt., 1 to. 40 F 10195 PV-50, for 50 MHZ . Net 14.95 40 F 10203 PV-144, for 144 MHZ .. Net 15.50
42 F 69015 PV .27 for 27 MHz

## QUALITY CLOCKS FOR YOUR AMATEUR STATION

24-HOUR ELECTRIC WORLD CLOCK

- 8" Overall diameter

- Adjustable for Various

Time Zones

- South Polar Projection

Self starting, accurate electric clock. Tells world wide and local time. Calibrated in hours-1 to 24, minutes and seconds- 1 to 60 . Black dial with white graduations. Chrome plated case. U.L. Listed. $110-120 \mathrm{v}$.60 Hz AC . Shpg. wt. $11 / 2 \mathrm{lbs}$ 3 f 2002

24-HOUR TYMETER CLOCK
Only $16^{00}$
Numeral type, 24 hour station clock. Self starting electric. UI listed motor and cord. For $110 \mathrm{~V}-60 \mathrm{~Hz} \mathrm{AC} 4 \times .4 \times 73 \mathrm{~h}^{\prime \prime}$. Shpg. wt., $3 \frac{1}{2}$ lbs.
40 F 91021
Net 16.00

DELUXE 24 HOUR ELECTRIC WORLD CLOCK


- Large 12" Clock Face
- Red Sweep Second Hand Finely constructed, accurate 24 hour dial face with black numerals and hands. Gray case is $1314^{\prime \prime}$ overall diameter. UL listed electric movement. Shpg. wt., $5 \frac{1}{2} \mathrm{lbs}$. Net 19.95

24 HOUR CALL-IDENT TYMETER CLOCK - 10 Minute Repeat Timer $23^{50}$


24-hour direct reading dial shows minutes and hours. 10 -minute repeat timer buzzes warning to sign your
call letters. Fimer independently call letters. Timer independently
switched. Self-starting electric. For $110-120 \mathrm{~V}$. 60 Hz AC . Walnut finish
$73 / 4 \mathrm{Wx} 4 \mathrm{Hx} \mathrm{A}^{\circ} \mathrm{D}$. - See Page 11 for Full Credit Details on Easy Pay Plan

# Amateur Station and Antenna Accessories 

(A) 82W 550A Coaxial Antenna Switch-Instantly selects any one of five transmitters, antennas, exciters, receivers or transceivers using 52 or 75 ohm line, 2P-5 Pos. Rated 1 KW. Shpg. wt., $3 / 4 \mathrm{lb}$. 40 F 16028
40 F 16036 Knob for 550 \& wt., 2 oz.
Net 14.85 (B) B2W 425 Low Pass Filter-usable with transmitters to $1-K W$. Completely self contained-elliminates TVI. 85db attenuation. For 52 ohm coax. Shog. wi., 2 lbs.
40 F 16085
Net 27.70
(C) Drake TV.1000LP Low Pass Filter-handles $1 \mathrm{KW}: 160 \cdot 10 \mathrm{M} .200$ watts on 6 meters. Shpg. wL, 2 lbs.

## 40 F 65140

Net 18.75
40 F 65132 -Drake TV100LP-handes $100 \mathrm{w}, 160-10 \mathrm{~m}$....... Net 6.50 (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 F 10054
Net 1.49
(E) Johnson 250-23.3 "Matchbor" Antenna Coupler- 5 or $80,40,20$, 15 and 10 meters. Matches balanced Ilnes 25 to 1500 ohms and un. balanced fines 25 to 3000 . Reads SWR. TR relay 750 W PEP with directlonal coupler. Shpg. wt., 11 lbs.
40 F 46082-No Mone) Down*
Net 94.95
(F) Johnson 250-39 TR Switch-Provides instantaneous high efficiency electronic antenna switching. Rated at 4 KW . Instant break-in on SSB, DSB, CW, and AM, Shpg, wt.,41/2 lbs.
40 F 46181
Net 29.95
(G) W2AU BROAD BAND BALUNS-A transmitter and recelving balun with built in lightning arrester, and stainiess steel hardware, Properly balances all coax fed antenna systems. Handiles 1 KW AM/CW. 2KW PEP. Completely weatherproot, 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 F 47023

Net 12.95 BALUN II- $4: 1$ model matches 50 or 75 ohm unbalanced coax line to 200 or 300 ohm balanced laad. Shpg. wt., $7 / 4 \mathrm{lb}$. 40 F 47031

Net 12.95
(H) Solderless PL-259 Low-Loss Coaxial Connectors.- Two typesFits either RG58/U or RG59/U cable. Quick, easy connections. No fuss, no bother. no adapter, no soldering required. Snpg, wt., 3 oz. 42 F' 69106 Solderless PL259 for RG58/U Cables .......Net ea. 1.25 42 F 59114 Solderless PL259 for RG59/U Cable


## AMATEUR CRYSTALS, COILS, AND COAXIAL CONNECTORS <br> AMATEUR CRYSTAL <br> BARKER AND WILLIAMSON MINIDUCTORS

 PURCHASE CERTIFICATESAs Low As

## $2^{35}$

Certlficates for amateur FT 243 type crystals. Send filled out certlificate, one for each crystal, to manufacturer. Manufacturer wili ship crystal directly to you, postage paid. Crystals feature acid-efched quartz, stainless steel electrodes. Pin size: .093" spaced $.486^{\prime \prime}$. Tolerance $\pm 500 \mathrm{~Hz}$ at designated frequency. Ho C.O.D.'s-allow 30 days for de. livery. Specify eract frequency with your livery.
order.
40 F 54011 Y 3500.4000 kHz ..........Net 2.95 40 F 54029 Y 7000.7425 kHz ........... Net 2.95 40 F 54037Y8-8.2 MHz. 8.33-8.9 MHz Net 2.95

## SPECIAL PURPOSE CRYSTALS

For Oscillators with low crystal currents. Type H-173. HC.6/U. Pin. Dla. $.050^{\prime \prime}$. Pin Spacing $.486^{\circ}$ - Specify Frequency, ALLDW 30 DAYS FOR DELIVERY.
$21-40 \mathrm{MHz}$ supplied within $\pm .005 \%$.
40 F 220182
Net 4.95
40.54 MHz Supplied withIn $\pm .005 \%$

40 F 220262 Net 5.95
$54-74 \mathrm{MHz}$ Supplled within $\pm .005 \%$.
40 F 220592 ................................. 6.95
IV and Marker Crystal. Calibrated $\pm .005 \%$. Type H-173 ( $\mathrm{HC}-6 \mathrm{U}$ ) Pin Dla. $050^{\circ \prime}$ Spacing $486^{\prime \prime}$ for 1000 KHz.
40 F 22034 L
Net 7.95

## CRYSTAL HOLDER ADAPTERS

Mosley 5.75 adapts $1 / 2^{\prime \prime}$ spaced hoider to $3 / 4^{\prime \prime}$ spacing. Shpg. wt., 2 ors.
40 F 58046
Mosley $75-5$ adapts $34^{\prime \prime}$ spaced holder to socket with $1 / 2^{\prime \prime}$ spacing to octal socket. Shpg. wt., 2 ozs.
40 F 58053


Highly efficient miniature colls offering extremely low losses and real space-saving economy, Ideal for compact circuits. Air wound, polystyrene insulation. Easily cut to size. All are $2^{* *}$ long except miniductors with $1^{\prime \prime}$ diameter are $3^{\prime \prime}$ long. Shpg. wi., 6 oz.


|  |  |  | D1 | NET |  | TrPE P |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 1.16 |  | 3002 |  |  |  |
|  |  |  |  | 1.16 |  |  |  |  |  |
|  |  |  |  | 1.26 |  | 301 |  |  | . 45 |
|  |  |  |  | 1.29 | 40 F 1623 | 301 |  |  |  |
|  |  |  |  | 1.33 |  | 300 |  |  | 1.38 |
|  |  |  |  | 3 |  |  |  |  |  |
|  |  |  |  | 1.5 |  |  |  |  |  |
|  |  |  |  | 15 |  |  |  |  |  |
| DRAKE SCC-1 <br> COAXIAL CONNECTORS CRYSTAL <br> CALIBRATOR <br> Crystal controlled 100 <br> $26^{95}$ KHz FET oscillator. Uses two Integrated circuits to produce 50 kHz . calibration points. Requires no tuning, band switching, or plug-in coils. Maximum stallilty attained through the use of zener regulation. Has provision for both local and remote on/off switch. 50 kHz to 432 MHz frequency range. Requires 15 to 18 VOC, 40 ma. Reverse polarity protection. Size: 37 bax 43 $4 \times 2^{1 / R^{\prime \prime}}$ <br> 40 F 65389 Shpg. wt., 1 tb. ......... Net 26.95 CRYSTAL SOCKETS <br> These steatite insulated sockets wilh 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. wi., 2 oz. |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

# LAFAYETTE ALL-BAND VERTICAL TUNEABLE 10 TO 80 METERS ANTENNA 

Amateur Base Station Antennas and Accessories

# DELUXE MOSELY TA SERIES BEAM <br> ANTENNAS FOR $10,15,20$ METERS 

> Only - Omni-Directional, Vertically $15^{95}$ Polarized
> - Irridite Treated To Mil Soecs

> Our best buy multi-band antenna, Can be
tuned to any amateur band through 80 meters by a single adjustment. Has amazing efficlency for DX or local contacts. Ground or roof top or tower instellation. Can survive winds in excess of 50 mph . Overall height 18'; knocks down to only ' 5 '. Uses $31 / 2^{\prime \prime}$ diameter air wound coll as matching inductor. All steel parts irridite treated to MII Specs. Impedance 52 ohms. Maximum power 1000 walts AM or CW- 2 kW PEP. Omni-directional; vertically polarized.
40 F 01046 W Shpg. wt., 4 lbs.
Net 15.95

## CUSHCRAFT "TRIK STIK" ANTENNA



- For Amateur, SWL, TV, FM, Business Radio, CB, VHF Low and High band monitor, Aircraft Reception
Universal antenna designed for vertical or horizontal mounting. All afuminum construction. Suppiled with $u$-bolt, bracket, and hardware for mounting on a mast or tower. Can also be mounted to a bullding using nalls or screws. 2.54" element sections, 2-51" element inserts, $23^{\prime \prime}$ support boom. Complete instructions for frequency settings. 40 F 19188 W Shpg. wt. 2 lbs . Net 6.95


## HY-GAIN 18 AVQ 10 THRU 80 METER VERTICAL TRAPPED ANTENNA

## - Individually Tuned Hy-Q Trap For Each Band

- Easily Installed Using Minimum Space

Ruggedly constructed of heavy gauge, taperswaged aluminum, the 18 AVQ can be easily installed for all-band operation. Dellvers outstanding omni-directionai performance on each band. Uses 4 separately tuned "Hy-Q" alr dielectric traps. Traps are factory pretuned to provide peaked performance. Low angle of radiation assures uncompromised results for short haul or DX communications. Mounts with mast up to 15\%" diameter. overall height 32 ft 2 in . For use with 52 ohm coax cable. Shpg. wt., $151 / 2$ lbs. 40 F 31191 W $\qquad$ MODEL 14 GVQ 10 -40 METER VERTICAL TRAPPED ANTENNA. Self-supporting mult!band trap vertical for 10 thru 40 meters. Solld State Traps. Roof or ground mounted. Low angle DX radiation pattern. SWR less than 211 . Only $21^{\prime}$ high. Shpg. wt., $91 / 4 \mathrm{lbs}$. 40 F 31043 W No Money Down** ..... Net 39.95 ROOF MOUNTING KIT for 14 AVQ Includes 5* mast, roof mount, ground plane radial wires, insulators and ali necessary hardware.
40 F 31050 W Shpg. wt., $71 / 2$ lbs. Net 16.95

## HY-GAIN BN-86 BROAD BAND

 FERRITE BALUN
## NEW 1 495

- For Use With Beam Antennas And Doublets
- Impedance. Ratio $1: 1$ at 520 hm providing up to 8 db gain on the 10 , 15 and 20 meter bands. Trap design provides broadband performance and stabllity-beam easily handles a full kilowatt of AM signal. 25 db front.to. back ratio, SWR 1.1/1, or less, at resonance. Beam length 14 ft ., element length 28 ft . Shpg. wt., 53 lbs. 40 F 58020wx No Money Down*
r-m


Model Th-33 "Junlor," similar to above, but only 300 watt 133.10 Boom length 12 ft ., Element length $26^{\prime} 8{ }^{\prime \prime}$. Shpg. Wt., 28 lbs
40 F 58038 wX No Money Down* $\qquad$ Net 92.75
Deluxe Model Ta3s 6 Element Beam. Automatic band switching through high impedance parallel resonant trap circults. 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 !bs.
40 F 58079 Wx No Money Down*

## MOSELY MODEL MCQ-3B 2 ELEMENT CUBICAL QUAD FOR $10,15,20$ METERS

## $105^{00}$ <br> - Square Shape, Aluminum Casting Spreader, Gamma Matching. Boom Mast clamp.

Designed and engineered for superior DX . Outstanding features: square shape, aluminum casting spreader mount, 52 -ohm single feed IIne, gamma matching, boom-to-mast clamp, aluminum wire rated at 1 KW AM and 2 KW SSB, VSR 1.5/1. Boom length 8 ft , spreader length $12, \mathbf{8 \prime}$, element length 17 ft. Shpg. wt., 40 lbs.

## 40 F 58087wX No Money Down* - Net 105.00



## CUSHCRAFT BEAM ANTENNAS FOR 2, 6 AND 10 METERS

## Model A50-5 5.Element, 6 Meter Beam. De-

 luxe, rugged, full size, constructed of $3 / 4^{\prime \prime}$ 0.549 wall aluminum tubing. Boom is 0.058 wall drawn atuminum. Driven element is "Reddi" matched for direct coax feed. Light enough for any heavy duty TV rotator. Turning radius- $7^{\prime \prime} 6^{\prime \prime}$; 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., $121 / 2$ lbs.40 F 19121 W $\qquad$ Net 29.50 Model A50.3 3-Element 6-Meter Beam. 7.5 db forward galn, 6 foot boom. Shpg. Wt., 8 lbs. 40 F 19238W Net 18.95


MOOEL A-1447 7 ELEMENT 2-METER BEAM. Full size. Aluminum tubing. Beam length, $98^{*}$. Forward gain 11 db F/B ratio 26 db . Shpg. wt., 6 ibs.
40 F 19139 w $\qquad$ Net 12.95
Model A-144-11. 11-Element 2-Meter Beam. Boom length 144". Forward Galn $13 \mathrm{db} F / 8$ ratio 28 db . Shpg. wt., 9 Jbs.
40 F 19147 W
Net 16.95

## DELUXE CORNELL-DUBILIER HEAVY-DUTY ANTENNA ROTORS

" $\quad$ " 69 9.

- Heavy Duty Construction Down*

- Indicator Calibrated in Compass Points

MODEL TR-44 ANTENNA ROTOR For single bay amateur antenna application. Rotator contains 48 heavy duty bearings in two $61 / 2^{\prime \prime}$ ball races, 450 in-ibs average torque. Indicator is callbrated in compass points and $3^{\circ}$ increments. Double stage switch allows meter reading while motor is off. For mast or pipe to 2\%"" 0.D. For 110-120V. 50-60 Hz. Less cable.
40 F 83028 W No Money Down* Shpg. wt., 18 lbs.
$\qquad$ Net 69.95
HAM-M ANTENNA ROTOR - Heavy duty rotator. Meets all amateur radio applications. Supports antennas up to 1000 lbs . Uses same com. pass indicator unit as the TR-44, callbrated in $3^{\circ}$ increments. Heavy duty stainless steel gears and pinions. solenoid brake release. For 110 . $120 \mathrm{VAC}, 50-60 \mathrm{~Hz}$.
40 F 83010 Wx Shpg. wt., 27 lbs. No Money Down*
Net 129.95
100 ft . roll of 8 cond. cable for TR-44, HAM.M Ship. wt. 6 lbs.
32 F 14574

# Mobile Ham Antennas - Shortwave Antennas and Accessories <br> DELUXE LAFAYETTE "RAPID-GRIP" MOBILE ANTENNAS FOR 2 AND 6 METERS ANTENNAS FOR $10-15-20-40-75$ METERS 



As Low as 1095

- "Rapid-Grip" Mount Provides Permanent Antenna Installation in Seconds Without Drilling Holes
6 Meter Mobile Antenna with "Rapid Mount" Features waterproof base loading phasing transformer, $43^{\prime \prime}$ stainless steel whip with adapter for extra fine tuning; and a cadmium pfated trunk-lip "Rapid-Grip" mount with water resistant body seal. Offers ideal omnidirectional signal pattern. Mounts on fip of trunk without drilling holes. Shipg. wt., 2 lbs. Less coaxlal cable.
40 F 01095
Net 12.95
2 Meter Mobile Antenna
with "Rapid Mount"
Features rust-resistant cadmium plated "Rapid-Grip" Mount base and stainless steel whip approximately 19 inches long. Whip has set-screw for easy field tuning. Mounts on lip of trunk without drilling holes. Otfers ideal omnidirectional signal pattern. Complete with 16 ft . of RG $58 / \mathrm{U}$ cable and PL- 259 plug. Shpg. wt., $12 / 2$ lbs.
40 F 01103
Net 10.95


## HY-GAIN SW-9 SHORTWAVE <br> WINDOW ANTENNA

- Includes Universal Window Mounting Bracket


The ideal shortwave antenna for window installations, where roof-top antennas are impractical or cannot be used. Provides broadband performance comparable with other larger installations. Con. sists of one 9 foot aluminum tubular element with a universal mountins bracket and feedline. Simple to instalt Answers the problems of apartment dwelling SWL's. Shpg. wt., 3 tbs 40 F 31183 W

Net 9.95

## HY-GAIN SW-6 SHORTWAVE ANTENNA


the eaves, in the attic sists of 50 it copper attached at both ends to low-loss sty. rene insulators. $15^{\circ}$ weather-prool rope on each insulator, plus fead in feedline. Shpg. wt., 2 lbs. 40 F 31175

- Flat Top Design

A completely assembled antenna, ready to instafl. Scientlifically 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-


- Works With Any Antenna Type
- Improves Reception On All Major Shortwave, Moniton and Amateur Bands


## Installs on any receiver in minutes. Permits

 antenna (especially indoor types) to operate efficiently on many frequencies. Greatly imDroves reception by Increasing recelver sensitivity 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 frequencies from 3 MHz to $30 \mathrm{MHZ}_{\text {, including }}$ Marine, Public Safety, Citizens Band, Aviation and all other high-frequency services. 42 F 21073 Shpg. wt., i/2 lb.
## DELUXE SWANTENNA 55 MOBILE 75-10 METER ANTENNA <br> With Remote Control Band Selection <br> 

Remole control band switching from driver's seat. Control unit incfudes meter for tuning to maximim output. 12 volt motor drive. Covers 75 meters in 5 positions, plus stops for 40,20 , 15 and 10 meters. 500 watt power rating. High efficiency loading coll. Stainless steel whid with KwIK.ON connector. Chrome plated base section. For bumper or deck mounting. Fits any standard 3/8-24" mount. Shpg, wt., 15 fbs. 40 F 70215WY

Net 129.50
Oeluxe Bumper Mount - High Polished Cast Aluminum. Fits exact contour of oumper. No chain to break. No clip to break. Shpg. WI., 4 lbs. 40 F 70223 Y

Net 24.95

Do One-Stop Shopping At Lafayctte For Ham Gear

- Fold Over Swivel Mast
- Power Rating Up To 400 Watts SSB

An outstanding antenna assembly permitting multi-bano mobile operation with excepzional results. Buy only one mast and select the resonators for the bands you operate. No need for matching devices, use any teed 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 adjustable stainless steel rod in the resonator assembly. The 54 -inch fold-over, heat treated, $\mathrm{k} / \mathrm{z}^{\prime \prime}$ 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 $70^{\circ "}-24$ base stud to fit all standard mounts.

| Stack No. | Model No. | 02seription | Wt. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 40 F 55018 | M0.1 54" | Mast Fender Mount | 2 lbs. | 10.95 |
| 4e F 55026 | M0. 2 54" | Mast Bumper Mount | 2 lbs. | 10.95 |
| 40 F 55034 | RM. 1010 M | Meter Resonator | $1 / 4 \mathrm{fb}$. | 7.95 |
| 40 F 55042 | RM. 1515 | Meter Resonator | $1 / 4 \mathrm{lb}$. | 8.95 |
| 44.55059 | RM-20 20 M | Meter Resonator | 1/4 lb. | 9.95 |
| 40 F 55067 | RM. 4040 M | Meter Resonator | 3/4 Ib. | 11.95 |
| 40 F 55075 | RM. 7575 M | Meter Resonator | 1 lb . | 13.95 |

## NEW <br> MOSLEY MODEL SWV-7 FIXED VERTICAL SW ANTENNA

Only 3371 - For Roof or Ground Mounting
Model SWV-7 is designed for 11, 13, 16, 19, 25, 31, and 49 meters. Six speclally 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. Molded plastlc cap prevents water from entering element, Height: $13.35 \%^{\circ}$. Ground is required. Shpg. wt. 7 los.
40 F 58095 W
Net 33.71
NEW DELUXE ANTENNA DUMMY LOAD

- 100 Watts Continuous, 500 Watts


## For 15 sec onds

- 52 Ohm Load

1995
A must for troubleshooting your rig. 52 ohm load for easy RF power checks. Freq. Range: 0.100 MHz . VSWR 1:1. Size: $11 \times 4 \times 32 / 2^{\prime \prime} \mathrm{H}$. Shpg. wt., $11 / 2 \mathrm{los}$. 42 f 21081 Net 19.95

## WORLD TIME ILLUMINATED ELECTRIC WORLD CLOCK



Modem, international electric wall time clock, showing the local time in 70 malor cities throughout the world-automatically efiminates the need for international time conversien charts. Enlarged vivid time indicators are adjustable, permitting precise setting for standard and daylight saving time. Set in handsome walnut frame $15 \mathrm{Hx} 22 \mathrm{~W} \times 5^{\circ} \mathrm{D}$. Illuminated. Powered by a heavy duty 115 V . $60 \mathrm{~Hz} \mathrm{AC} \mathrm{clock} \mathrm{motor}$. Shpg. W1., 5 libs
40 F $30011 w x$
Nel 64.95

# Improve Your Amateur And CB Operating Effectiveness With LAFAYETTE Meters and Testers 

 SWR Bridge and RF Power Meter
# Deluxe Solid State Field Strength 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. Insertlon loss is negligible. Meter has $50 \mu \mathrm{a}$ movement: calibrated directly in watts from 0.15 and in SWR from 1 to 10 if (reads infinity at full scale). Housed in an attractive grey metal cabinet, $31 / 8 \mathrm{sx}$ $71 / 4 \times 2^{3 / 8^{\prime \prime}}$. Sits in 4 rubber feet. Imported. Shpg. wt., $2^{3 / 4} \mathrm{lbs}$. 99 F 25082

Net 22.95


Radio Field Indicator
95.

Continuously Measures Transmitter RF Output

- Requires No Electricity, Batteries, or Transmitter Connection
- Powerful Magnet on Bottom Plate for Mounting on Dashboard or Other Metal Surfaces
Checks performance of your marine, mobile or fixed transmitter. Features a $200 \mu$ a meter movement with variable sensitivity control Earphones can be plugged in for an aural check of output. Antenna extends from $314^{4}$ "to $101 / 4^{\prime \prime}$. Powerfut magnet allows easy mounting. Use anywhere ... requires no electricity or batteries. Dimensions: (less antenna) $31 / 8 \mathrm{aW} \times 2 \mathrm{~V} / 4 \mathrm{H} \times 20^{\circ}$. Imported. Shpg. wt., $1 / 2 \mathrm{tb}$. 99 F 25090 Net 7.95 99 F 25157 High output crystal earplece for above Net 7.58
Net 1.09


## Miniature Illuminated " S " Meter

- Indicates Strength of Received Signal


295

- Jeweled Bearings
- Accuracy 2\% of Full Scale
- High Quality D'Arsonval Movement
- Clear Plastic Front

Durable wrap-around plastic front panel provides wide-angle readability. Zero adjustment screw on front panel; jewelled bearing movement. Calibrated in " $\mathrm{S}^{\prime \prime}$ units from 0.9 with the scale terminating in +10 and +30 calibrations. Additional full scale calibrations of $0-5$ and 0-10 in linear scale divisions. Silvered dials; black numerals and pointers. Illuminating lamp for either 6 or 12 volt operation. $154=$ dial face; $11 / 4^{*}$ overall behind panel. Supplied with mounting screws. imported. Shpg. wt., i/2 tb.
99 F 25132
Net 2.35
Miniature Illuminated Modulation " S " Meter


- Combination " S " Meter, \% Modulation Meter and RF Power Output Meter
- Accurate D'Arsonval Movement
- Jewel Bearings

Highly accurate. Features wide viewing angle and 3 -color scale. Front panel zero adjustment. Calibrated scales (I MA full scale), ot to $100 \%$ modulation, "S" units $0-9$ also +10 and +30 . Linear full scale markings of 0 to 5 . Dimensions: dial face, $158^{\prime \prime}$; depth $11 / /^{\prime \prime}$ overalf. supplied with 4 mounting screws and lugs. For 6 or 12 volts. Dust resistant case. Imperted. Shpg. wt., $1 / 2 \mathrm{ib}$.
99 F 25074


- Permits Easy Tune. Up For Maximum Transmitter Output
- Earphone Jack to Monitor Audio
- Tuned Input from 3 to 55 MHz
- $200 \mu$ a Meter Movement
- $20^{\prime \prime}$ Telescoping Antenna

Covers 3 MHz to 55 MHz in 3 bands. Ideal for use with hàm, Citizens Band or other transmitters within this frequency range. Enables user to tune his transmitter and antenna for maximum RF output. $200 \mu$ a meter is calibrated from 0 to 10. Earphone jack provided. Front panef controls: gain on-off switeh, tuning, and band selector switch. Battery powered-can be operated anywhere. With $20^{\circ}$ tele.
 99 F 25108 Shpg. wt., 1 1/2 lbs. Net 15.95 99 F 25157 High output crystal earplece for above. 99 F 62580 Replacement battery for above Net 15.95
Net 1.09

## Swr and Field Strength Meter



A handy 2 -in- 1 meler for use in the ama. teur radio station to check transmitters for SWR measurements. Can be left continuously in the circuit for monitoring trans. mitter outputs, SWR: $1: 1$ to $3: 1$; Accuracy $\pm 5 \mathrm{db}, 2$ to 30 MHz ; Impedance: 52 Ohms; Antenna: 5 -section, collapsible. Comparative RF field strengths can be easily determined with this fine meter. Sensitive 100 micro. ammeter movement with easy to read 2 -color dial. Impedance matches 52 ohm coaxial lines. Attractive grey hammertone aluminum case, Size: $13 / 4 W \times 5 K_{6} H \times 21 / a^{\prime \prime} D$. Imported. Shpg. wt., 1 lb .
99F25371
Net 9.95
Deluxe " S " Meter


- Signal Strength Meter Us. ing VTVM Principles
- Magnetic Feet For Mobile Dashboard Mounting - Sensitivity and Zero Adjust Controls
Designed for use with any superheterodyne receiver employing AVC, Meter is calibrated in "S" units from 1 to 9, and in $\mathbf{d b}$ up to 30 db over $\$ 9$. Partial peak clipping is provided for noise limiting Simple instaliation $B+$, filament and ground. It is adaptable to either 6 or 12 volt equipment, and to receivers using 150 ma or 300 ma series string filament systems. Requires $150-200$ VDC for 6+. Complete with $12 A U 7$ and inslallation instructions. Imported. 99 F 25124 Shpg. wt., $11 / 4 \mathrm{lbs}$.

Net 8.95

## Full-Size Illuminated " $S$ " Meter



- Indicates Strength of Receiver Signal
- 2 Sewel Movement
- Clear Plastic Front
- Calibrated to $\mathrm{S} 9+40 \mathrm{db}$

A quality " S " meter (basic $1 \mathrm{ma}, 2$ jewel movement) derigned to replace many " S " meters used in communications receivers. Clear plastic front measures $23 \mathbf{h}^{*}$ square and meter fits standard $21 /{ }^{*}$ 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., ith lb .
S9 F 25140
Net 4.95

# Sonar Marine Electronic Equipment \& Accessories 

> MODEL 75AW TRANSISTORIZED 75-WATT MARINE RADIO TELEPHONE


## 2995

Equipped with enystel for 162.55 MHz To pich up U.S. Weather Bureau Forecast

## No Money Down ${ }^{*}$

- Features Tuned RF Amplifier For All 6-Channels
- Power Supply Has 80\% Efficiency for


## Low Battery Drain

Meets FCC requirements for commercial boats having six or more passengers for hlre. Powerful 75 watt transmitter has a tuned RF amplifler for all 6 marine channels. Advanced 10 transistor, 3 tube, 10 diode circuit. Receiver features low battery drain ( $3 / 10$ ampere), gated noise limiter, silicon transistors, broadcast band coverage, ad. justable squelch, and front mounted hi-fi oval speaiter. Transmitter utilizes powef saver "stand-by" switch, front panel tuning and RF output indicator, high level class "G" modulation, and speech limiter. Non-magnetic all aluminum construction treated against the effects of salt water and fungus. Power requirements: 12 volts DC. Size: $134 / 2 \mathrm{Lx} 105 \mathrm{WW} \times 61 / 4 \sim \mathrm{H}$. Supplied with universal mounting bracket and push-to-talk mike, 3-pair of matched erystals for 2182 lHz coast xuard, 2638 mHz . and 2738 kHz Ship-to-shore. Also includes 162.55 MHz crystal so VHF weather reports can be received instantly from U.S. Weather Bureau Stations at all times. Shpge wt., 17 lbs 40 F 43287 wx Modet 75aw

Net 299.95 Model 115w Same as above but with 115 watt input. Wt, 18 lbs. 40 F 43295 WX No Money Dewn*

Net 379.95

## ACCESSORIES FOR SONAR MARIME RADIO TELEPHONES

Model AN16-Deluxe 18 Ft. Heavy Duty Fiberglass Antenna with heavy.duty chrome lay down mount. Shpg. wt., 11 ths. 40 F 43220 wX No Money Down*

##  $150^{\circ}$

 No Money Down - Reads Up To 250 Feet

- $360^{\circ}$. $4^{-}$Scale With 1. Foot Calibrations
- One-Piece, Non-Magnetic Construction

Highly sensitive, extremely accurate depth indicator for bulthead mounting. Measures from 1 to 250 feet. Easily installed even while boat is in water. For 12 VDC. Size: $111 / 4 W \times 7 / 2 / 4 \times 71 / 2^{-D}$. Complete with transducer, gimbal and fairing block. Shpg. wt., 10 tbs.
40 F 43121 WX
Net 150.00
MODEL DF-1301 TRANSISTORIZED

## DIRECTION FINDER

## $249^{50}$

No Money Down

> Equipped with cipstal for 162.55 MHz To pick Up U.S. Weather

Bureau Forecast
Features leff/right meter indication of boat heading 3 bands: Beacon ( 180 kHz to 420 hHz ); Standard Eroadcast ( 525 kHz to 1650 kHz ); Marine ( 1600 to 3500 KHz ) plas Consolah reception. Also fea. tures cristal for 162.55 MHz . enabling listener to hear U.S. Weather Bureau WHF forecasts. Sensing system provides true null bearings $\pm 1^{\circ}$. Includes, ANL, antenna, speaher, compass rose, and amplified meter for greater sensitivity. With battery. Size: $133 \times 1 \times 101 / 2 \mathrm{D} x$ $8^{-H}$. Shog. wt., 14 lbs.
so F 43279wx
Net 249.50

## MODEL DIO TRANSISTORIZED DEPTH INDICATOR



- Range: I to 60 feet


## MODEL DC- 480 COMBINATION CHART AND FLASHER DEPTH RECORDER

- Soundings: 40-per-second

Lightweight and rucged one-piece transistorized depth indicator for shallow water navigation and fish location. Features an optically designed non-glare dial with 1-foot calibrations to 60 feet, adjustable magnetic key and governor control that protects afainst deviation in indication due to boat's voltage variation. Constructed in a nonmagnetic, special aluminum cabinet treated against salt spray and fungus effects. 200 kHz operating frequency. For operation on 12 volts DC Negative Ground only. Current drain on 12 volts is a low $1 / 4$ ampere. Shpg. wt. $34 / 2$ bs.
40 F 43303 wx $\qquad$ Net 125.00


$249^{95}$No Money Down
A highly sensitive depth recorder which both recorts your voyage as you sail and provides an instant flashing indication for safe navigation. The uait can serve as a reliable navi. gational guide in unfamiliar channels and to help find schools of fish and underwater wriclts. Heminated two color chart is calibrated from 0 to 120,120 to 240 ft . Has $4^{\prime \prime} x 6^{\circ}$ viewing area $360^{\circ}$ flasher dial indicates 0 to 480 ft . Takes 5 soundings per second. Only 5 amps. current drain. Size: $10 \% W \times 6 \%$ Hx $63{ }^{3}{ }^{*} \mathrm{D}$. For 12 VDC positive or negative around. Sippe. wt. 15 lbs. 40 f 43238 wx

## POWERHOUSE TRANSISTORIZED MEGAPHOWE

- Built-in marIne

Blast-Siren Signal

- Fog Horn-

Boat Horn

- Range up to 3600 Ft.

Perfectly balanced pistol grip with trigger switch ane fingertip volume control All aluminum cosstruction, carrying strap. Power* output of 16 watts. Operates on " $D$ " batt. (optional). Sire: $74^{\prime \prime}$ Diá. $\times 123{ }^{\circ}$ 2. Im. ported.
44 F 27035 Shpg. wt. 6 lbs.
Me: 79.95
99 F 62564 " $D$ " batt. (4 req.) Net ea .15


TM. 68 Heavy Outy Alternator Filter: Rated at 68 amps. For 2-3 MHz Marine Band. Internal Trimmer can be set to the exact frequency necessary to attenuate the umwanted noise. Shpt wt. 2 tos.
42 F 44034
Net 10.95
TM-49 alteraator Filter: Same as above but rated at 4.9 mps contineous. Wt. 2 ths. 42 F 44042

## LAFAYETTE Base Station Citizens Band Antennas

## DELUXE HEAVY DUTY LAFAYETTE 4 ELEMENT GROUND PLANE CB ANTENNA

## 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


## $12^{95}$

Made in U.S.A

- The Ideal Antenna for Your CB Base Station - High Efficiency Ground Plane Antenna
- All Aluminum Construction - Accepts PL-259 Connector

Solid aluminum $108^{\prime \prime}$ heat-treated radials and radiator. Elements supplied in two $54^{*}$ lengths joined by threaded coupling nuts. Radial Jroop for 50 ohm match. Accepts $11 / 4^{\prime \prime}$ tubing, RG-58/U cable and PL-259 connector. Less mast and coax. Shpg. wt., $41 / 2$ lbs. 42 F 01562 W

Net 12.95


- Heany 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 Boost/11" 1/2-wave CB base station antenna is one of the most popular of Lałayette's famous line of high performance CB antennas. Specially designed antistatic cloverleaf bali drastically reduces receiver nolse by continuous dissipation of static discharge. Offers a 3.75 db true omml-directional gain. Tremendous signal to noise ratio improvement of $\mathbf{6 - 2 0} \mathrm{db}$ giving you very clean reception. VSWR is 1.51 . Includes a phasing transformer, rubber covered for moisture resistance. Vertical radiator consists of 3 seamless aluminum tube sections topped by a solid aluminum 108" 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 $14 / 2^{\prime \prime}$ masts $\mathrm{PL}-259$ cable connector. Shipg. Wt. Less mast and coax. $61 / 4$ lbs 42 F 01448 w

Net 19.95


Deluxe mounting kit for base station consists of: Blitzbug Lightning Arrestor, 50 ft . ground wire, angle base and root mount-works on any surface-takes masts up to $21 / 4^{\prime \prime} 0.0$. $50^{\prime}$ of steel guy wire. 3 steel turnbuckles, 3 way guy wire clamps, package of 3 open eye bolts. (Kit comes less mast.) Shpg. wt., 6 lbs
42 F 01307 M
Net 7.99

## Steel Mast For Mounting CB Antenna

10 ft .16 Rauge Gold Kote steel mast-1 $1 / 4$ " $\mathbf{0}$.D. Shpg. wt., 4 lbs. 18 f 63281 wx

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 feedine match for maximum efficiency. Comes with bracket for vertical or horicontal mounting. The $11 / 4 " 0.0$. aluminum boom is 8 feet long. \$/6" to "/10" 0.0 . aluminum elements are approximately $161 / 2 \mathrm{ft}$. long. All steel hardware is irridite treated to MIL specs. Accepts up to $11 / 2^{\prime \prime}$ mast. Completely factory pretuned, Furnished with simple mounting instructions. Less mast and coax cable. Shpg. wt., 7 lbs.
42F 01133 WX


DELUXE LAFAYETTE SUPER RANGE-ROOST/IITM OMNI-DIRECTIONAL BASE STATION CB ANTENNA


- End Fed $1 / 2$ Wave
- 4 dh Gain Delivers 13 Watts E.R.P.
- Hi-Q Phasing Coll Optimizes Impedance Match
- VSWR 1.4 to 1 or less
- Loaded Ground Radials For Optimum Performance

Our best base station CB antenna. $1 / 2$-wave endfed 4 db omni directional type. Huge loading coll will safely handle 50 to 75 times normal CB power, Rubber covered, MI-Q phasing coll optimizes impedance match, VSWR less than 1.4-1. Three ground radials (54") are base loaded for optimum performance. 4 db gain delivers 13 watts E.R.P. (effective radiated power). Constructed of seamless aircraft lubing and corro-slon-proof steel 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 $14 / 2^{\prime \prime}$ mounting mast. Les rast and coax.
42 F 01604 W Shpg. wt. 10 lbs. Net 29.95

## POLYFOAM COAX CABLE ASSEMBLY FOR BASE STATIONS



As Low As
$8^{50}$
Complete transmission line packages destgned for better CB operating efficiency. The polyfoam dielectric insures low line loss important in getting the most from your base station. Ready to use. PL. 259 connectors on both ends.

| Stock No. | Type | Length | Wt. | Net |
| :---: | :---: | ---: | ---: | ---: |
| 42 F 09102 | RG8/U-50 ohms | 50 ft | $41 / 4 \mathrm{lbs}$ | 8.50 |
| 42 F 09110 | RG8 $/ \mathrm{U}-50 \mathrm{ohms}$ | 100 ft. | $93 / 4 \mathrm{lbs}$. | 14.95 |

## LAFAYETTE Mobile Citizens Band Antennas

## LAFAYETTE STAINLESS STEEL CB MOBILE ANTENNA

- 102" Stainless Steel Whip For Optimum 11-Meter Performance

Steel Spring

- Aluminum Swivel Ball Jointed Mount Base
Aluminum swivel mount base designed to be mounted on any surface. Plated steel spring holds rod in properly adjusted position and prevents rod damage from shocks and blows. Stainless steef whip for resiliency and strength. Less cable. Has lug terminals for 42 E 70021 cable assembly. Shpg. wi. 5 ibs.
42 F ot 554 WX
Net $8.9 \overline{2}$


## LAFAYETTE CENTER-LOADED MOBILE CB GUTTER CLAMP ANTENNA

- Easily Snaps on Rain Gutter or automobile
- Offers Outstanding 11 Meter Performance
- Portable-Easily Removable When Not In Use-Prevents Theft or Damage

Portable center-loaded CB antenna is ideal for the CB'er. Easily removable when not in use - prevents theft or damage. Gutter clamp snaps on rain gutter of automoblle. Heavy spring assures positive grip. Clamp is heav-
ily plated to resist corrosion. Only 20 inches in length-outstanding 11 meter performance. SWR 1:1. Furnlshed with $12^{\circ}$ of RG58/U cable with Pl-259 connector. Imported. Shpg. wt., $11 / 2 \mathrm{lbs}$.
99 F 31.92
Net 7.95

## LAFAYETTE BASE LOADED "AUTO-TOP" CITIZEN BAND ANTENNA

- Automobile rooftop application effects ideal Omnidirectional signal patterns
- Mounts neatly from outside vehicle in $3 / 4^{\prime \prime}$ 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 fow signal to noise. This quality antenna consists of an inconsplcuous base loaded, neutral gray weatherproof phasing transformer (only $4^{\prime \prime}$ high, and $1^{\prime \prime \prime}$ in diameter), a 39" 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. wt. Antenn
42 F 01208 W
Only


Macte in U.S.A.

## 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


## Only <br> $10^{95}$

Made in U.S.A.
An outstanding Lafayette CB antenna featuring a fulf size 102" stainless steel whip and a fully adjustable steel plated mount with a steel plated. strap which was spectally designed to fit most cars. Heavy duty plated steel spring is built for extremely rugged moblle use. Less cable. Shpg. wt., 5 lbs.
2 F 01596 WX


## DELUXE LAFAYETTE HEAVY-DUTY MOBILE CB-AM ANTENNA

- One Antenna Does the Job of Two
- Low Loss Cables
- Al Connections Under Dash

Deluxe Cowl mounted antenna doubles for Citizens Band and broadcast reception. Eliminates two antennas on your car. Sturdy construction with heavy chrome plate. $46^{\prime \prime}$ long collapsing to $31^{*}$. Fits the $7 / 8^{\prime \prime}$ to $1 \mathrm{~K}_{0}^{\prime \prime}$ space left by auto antenna. Includes automatic dividing harness, $1^{\circ}$ cable to AM set, $2^{\circ}$ cable to CB rig and $5^{\circ}$ cable with PL. 259 plug to antenna. Small divider unit lits under dash. Imported. Shpg. wt., 2 lbs.
99 F 30603 W
Net 9.95

## LAFAYETTE BASE LOADED TRUNK MOUNTED MOBILE ANTENNA

- No Visible Holes in Car
- Trunk Groove Mount
- Installs in Seconds
- Phasing Transformer Completely Weatherproof
- 39" Stainless Steel Whip

Exciting moblle antenna from Lafayette permits the CB'er to mount his antenna without any visible holes on his sar. Special trunk groove mount requires just two tiny $7 / 32^{\prime \prime}$ holes in groove of car trunk lid. Antenna holds securely and is adjustable to all cars. features base loaded, weatherproof phasing transformer (only $4^{-\prime}$ high, $1^{-}$- diameter) and a $39^{*}$ stainless steel whip. Complete with all mounting hardware, simple mounting instructions. Less cable. Shpg. wt., 5 lbs.
42 F 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
"Rapid-Grip" mobile antenna is especially suitable for trunk mounts. No holes to drill. Stips over trunk fip. Cable is completely hidden. Neat, trim, professional appearance. Offers ideal emnidirectional signal pattern. Water resistent body seal. $39^{\prime \prime}$ Staintess Steel whip. Base loaded phasing transformer completely weather proof. Overall length 43" Less cable. Has lug terminals for 42 F 70021 cable assembly. Wt., 2 lbs. 42 F 01521

Net 12.95

## 20 FT. COAXIAL CABLE ASSEMBLIES

(A)


These cable assemblies are necessary for connection between Citizens Band Transceiver and Antenna. TYPE A-Consisis of 20 1t. RG-58/U cable with PL- 259 plus UG. 175/U on both ends. Required for Ground Plane and Mobile Antennas terminaling in a roaxial jack. Shpg. wt. e oz. 42 F 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 lugs for mobile antennas. Shpg. wt., 8 oz.
42 F 70021 Type $8 ; 20 \mathrm{ft}$. length
Net 2.95

# CB Walkie-Takkie, Marine Mobile Antennas, and Mounts 

## LAFAYETTE MOBILE AM TO CB <br> - ANTENNA CONVERTER

## LAFAYETTE CENTER-LORDED FIBERGLASS CB COWL MOUNT ANTENNA

## NETV LAFAYETTE $1 / 2$ WAVE CB MARINE ANTENNA

## ONLY <br> $24^{95}$

With 22 Ft. Coas Cable. Connector, and Mounting Hardware

- No Ground Required
- Center Loaded
- Pre-tuned

Top performing CB Marine Antenma can be mounted on a wooden or fiberblass boat. Single hole mount- $3 / 8^{*}$ diameter stud, 2" long- Base cover cap is white polypropslene. Center loaded high efficiency Tuned Circuit. Staintess steel whip. Overall height $581 / 2^{\prime \prime}$. Feedpoint 52 -ohms. 5 hpg wi. $3 \mathrm{H}^{2}$ - ths. 42 F 01612W

ONLY $3^{95}$ With PL259
Connector

- Weather.Proof
- For Base Station or Portable Use
- Adjustable Whip Stub

Slurdy, attractive, portable chrome plated center-loaded whip antenna. Terminates in a PL-259 connector. Adjustable whip is $113 \mathrm{~h}^{\circ}$ in length. Also provided is an additional whip stub, $12 \%_{0}{ }^{*}$ total length. Center loading coll is completely weather-proof. Imported, Shpg. wt., 1 it. 99 F 31890

Net 3.85

## DELUXE LAFAYETIE UNIVERSAL BASE LOADED CB WALKIE-TALNJE ANTENNA



- Replaces Broken Or Existing Recessed Antenna
- Instantly Attaches Without Tools

Universal base loaded CB walkietathie antenna. Only $16^{\circ}$ in length. Replaces broken or existing re cessed anterna. Instantly attaches without tools. Can be tuned to compensate for antenna leagth Made of non corrosive materials Operates equal to long telescoping antennas.
99 F $37187 \mathrm{wt} .1 / 2$ tb. Net 1.95


- 1 Antenna Now Does the Job of 2 Antennas - Converts Any AM Automobile Antenna to a Highly Efficient Combination CB and AM Antenna

Specially designed Lafayette AM to CB antenna converter consisting of a weatherproof loading coil with a universal mount and adjustable matching $71 / 4^{-}$stub. Covers entire 27 MHz Citlzens Band. Easily attaches to your existing AM automobile antenna. includes dividing harness which couples your new comblnation AM and CB antenna directly to your Cltizens Band Transceiver and AM auto radio. imported.
99 f 31163 Shpg. wt., 1 lb .
Net 6.95

## ANTENNA SPECIALISTS ANTENKA MOUNTS

895

- With $5^{\prime}$ of Cable
- Easily Mounts On Cow or Rear Deck
Only 38- high but performs like $102^{-2}$ antennas. Designed for cowl mounting, provides an excellent radiation pattern. Substltutes for conventional 1/4 wave whips as well as baseloaded antennas in the 27 MHz band. The four foot whip eliminates the possibility of striking overhead objects. Specially designed rocker support assures 8 -point grounding and permits mounting up to $35^{\circ}$ angle on fender, cowl or rear deck-Fits any $15 / 16^{\circ}$ to $114^{\prime \prime}$ mounting hole. Complete with 5 ft . of RC-58/ i cable. Shpg. wt., $11 / 4$ lbs.
42 F 01125 w
Net 8.95


## UNIVERSAL LAFAYETTE MOBILE CB ANTEMNA ACCESSORIES

(A) MODEL M-191. Double Chain Bumper Mount. Cadmium Dlafed. Accepts $3 \mathrm{~s}^{\prime \prime}-24$ thread of spring or whip.

Net 9.60 42F 10183 Shpg. wt. 2 lbs.

Net 9.60 (B) Model M147 Stainless steel Bumper strap Mount. No noles to drill-easily adjusted.
42 F 10399 Shpr_ wt. . 4 lbs. ...... Net 11.95 (C) Model M 115 whip hold-down ctip. 42 F 10191 Shpg. wt., $1 / 2 \mathrm{ID}$...... Net 1.25 (D) Madel M-161 murek Grip Mount. Standard trunk-lid mount accepts all to" snap-in-troe antennas. No holes to drill. Water resistant body seal
body seal.
42. F 10472 Shpg_wt. 1 th, Net 4.95


CMPOMI PLATED SWIVEL BALL MOUMT BASE. Can be mounted vertically or horizontally. With lug terminals. Imporled. Shpg. wt. 3 lbs. 99 \& 30306

Net 2.95
HEAVY DUTY CHROME PLATED STAINLESS STEEL SPQIMG. PROvide maximum support for long whips and heavy centerloaded whips. Imported.
99 F 30363 Wt. 2 lbs. . Net 295


CHAOME PLATED BUMPER MOUNT WITM STAJRLESS STEEL STRAP. Completely adjustable for vertical mounting on most types of automobile bumpers. Highly reliable and durable. Eliminates need of cumbersome link type chain mounts. Imported. Shpg wt., $11 / 2 \mathrm{lbs}$.
99 F 30355
Net 4.95

## LAFAYETTE Citizens Band Walkie-Talkie Antenna Replacement Guide

- Fits Alł Lafayette and Many famous name Walkie-Talkies

Designed for the various Lafayette "Waltie-Taltie" portable CB Jransceivers indicated. Will also fit many of the other "Wabkie. Talkie" units manufactured by companies other than Lafayette. Check the specs of the antennas-listed on the chart below for the antenna best suited to your present "Walkie-Talkie". All measurements are in inches. Imported. Average shpg. wi., $1 / 2 \mathrm{lb}$.

| Anterna Stock No. | Sections | Diam. of Base | $\begin{aligned} & \text { Col- } \\ & \text { lapsed } \\ & \text { length } \end{aligned}$ | Ertended kength | For LAFAVETTE <br> Walkie-Talkie Model | $\begin{aligned} & \text { Net } \\ & \text { Eas. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 F 30082 | 12 | 1/2 | 6 | 523/4 | HE-29, HE-298 | 1.95 |
| 99 F 30413 | 11 | 7/16 | $53 / 4$ | 51 | HE-29C | 1.95 |
| 99 F 31114 | 11 | 13/32 | 57\% | 511/4 | ME-290 | 1.95 |
| 99 F 30371 | 11 | 1/2 | 61/4 | 541/2 | HA-60, HA-61, ME-86, HE 88. HA. $100,100 \mathrm{~A}, 100 \mathrm{~B}$ | 1.95 |
| 99 F 30389 | 9 | 7/16 | 71/4 | $523 / 4$ | HE-25, HE-88, MA-711 | 1.95 |
| 99 F 30397 | 11 | 7/16 | 534 | 50 | HE -66, HE 82, HE-83 | 1.95 |
| 99 F 30405 | 9 | 3/8 | 57\% | 43 | HA-70, MA-70A | -38 |
| 99 F 311122 | 8 | 5/16 | 5\% | 361/2 | HA-708, HA-70C | . 98 |
| 99 F 31130 | 11 | 3/8 | 4\% | 38 | HA-130, HA-130A | 1.49 |
| 99 F 30173 | 10 | 7/16 | 7 | 58 | Har 150 | 1.95 |
| 99 F 30074 | 11 | 7/16 | 71/4 | 621/4 | HA 300, HA-300A | 2.25 |
| 99 F 31155 | 11 | 7/16 | 7 | 58 | HA-99, HA-303 | 2.95 |
| 99 F 31387 | 11 | 7/16 | 7 | 58 | HA-300B | 2.25 |
| 99 F 32021 | 8 | 5/16 | 71/4 | 491/4 | HA-132 | 1.95 |
| 99 F 32939 | 9 | 3/8 | 7\% | 55 | HA.73A | 1.95 |
| 99 F 32047 | 11 | 3/8 | 6 | 49 | HA-73, HA-305, HE-210A, HA-62 |  |
|  |  |  |  |  | Oyna com 2, 2A, 3 and 3A | 1.95 |
| 99 F 32054 | 10 | $3 / 8$ | 7 | 55 | Dyma-com 5 \& 5A, 6 \& 6A | 2.95 |
| 99 F 32070 | 10 | 3/8 | 834 | 671/2 | H8-506 | 3.95 |

# Selected CB Antennas, Rotors and Accessories 

## NEV AVANTI "PDL 27A" BASE STATION CB ANTENNA


with Switch Box

- Dual Polarity Switching Unique beam antenna with Selectable Polarity. Includes AV-501 coaxial switch for providing horizontal or vertical polarity control. Will reduce interference from antennas in the opposing plane (cross-polarization). Delivers high gain of 11 db . SWR: 1.2:1 Max. Power: 1000 watts. Impedance 50 ohms. Wind Resistance: 100 MPH. Constructed of rugged alrcraft aluminum and fiberglass. Total Height: 13.4'. Fits masts up to $11 / 2$. Shpg. wt. 17 lbs . 42 F 34050wx No Money Down* Net 79.95

CUSHCRAFT "RINGO" $1 / 2$ WAVE
VERTICAL CB FIXED ANTENNA

## $18^{35}$

- 3.75 db gain
- Covers All 23 Channels with 1:1 SWR
A sturdy CitizenBand vertical antenna with power ring tuning for amazing full circle gain. Power ring gives a perfect match between antenna and feed cable to utilize all avallable transmitter power. Construction is all .049 wall aluminum tubing with solid hold telescope clamps and phenolic base insulator. Designed for 52 ohm direct coaxial feed. Overall height: $17{ }^{\prime} 10^{\prime \prime}$. Direct DC ground to eliminate static discharge noise and lightning hazard. Shpg. wt., 10 lbs.
42 F 20026 wx Net 18.95



## ANTENNA SPECIALISTS OTM-168 MOBILE "GRIP-STICK" magnetic antenna

## - Ideally Suited for

Temporary Emergency, or Permanent Mounting

- No "Installation" 1695 Invoived
No "Installation" involved. Merely place it on the ve-hicle-center of the rooftop, or back deck, run cable thru window or trunk (under seats) to CB radio. Stainless steel whip, anodized aluminum base. black phenolic insulator. and grey center loading coll. VSWR under 1.5:1. With 15 ft . coaxiall cable and PL-259 connecter. Shpg. wt., $11 / 2$ fbs. 42 F 10480w Net 16.95

AVANTI "ASTRO PLANE" BASE STATION CB ANTENNA

 volutionary design concentrates signal power on top for maximum, efficient operation. Heavy duty aluminum construction with corrosion resistant fittings, including solderless coax connector, assure a long, trouble free life, Double bracing withstands 120 mph winds. Impedance: 50 ohms; SWR: less than $1.4 / 1$; power gain: 4 db ; length: $\mathbf{1 2}^{\circ}$. Can be mounted on a single mast up to $11 / 2^{\prime \prime}$. Shpg. wt, 5 lbs.
42 F 34019w Net 29.95
CORNELL DUBILIER AR-22R AUTOMATIC ROTOR FOR CB ANTENNAS
$34^{95}$
95

- Fingertip Control
- Control Unit Shows Direction of Rotation Heavy-duty rotor unit will handle antennas up to 150 ths. Simply set the control unit pointer to the desired direction, and the antenna will automatically rotate to this posiion and stop. Perfect for TV. Ham or Citizen Band applications. Rotor unit employs 12 heavy duty ball bearings in two $61 / 2^{\prime \prime}$ races. Reversible clamps on rotor will take masts from $\%$ " to 2", O.D. Control unit is marked in compass points. N.S.E.W., NW, NE, SW, and SE. Housed in attractive black vinyl steef cabinet. For $110-120$ volts, $50-60 \mathrm{~Hz}$ AC. Uises 4 -conductor rotor cable.
42 F 86075 W Shpg. wt., $141 / 2$ bs. Net 34.95 Model AR-33 Solid State Pushbutton Automatic Rotor. Same as AR-22R but with deluxe pushbutton controf unit that enables you to pre-sel the antenna to any 5 -positions. Uses 5 -conductor rotor cable. Shpg wt. 15 lbs 42 F 86100 WX 49.95

100 ft . coils of rotor cable.
32 F $89105 \angle$ Cond. Shpg wt., 3 lbs. 3.40 32 F 36312 s. Cond. Shpg. wt., 4 ibs.
4.29

## MOSLEY WEATHER-GUARD

ANTENNA COAT
> tast drylng clear coaung compound protects against corrosive action of salt, water, molsture, and ultraviolet radiation. Will not discolor antenna. Applies easily with a brush. Shpg. $w t=1$ 1b.

> Net 1.24


# Antenna Specialists Citizen Band Antennas Base Station Antennas 

## "SUPER MAGNUM" MODEL M-117 1/2-WAVE CB BASE STATION ANTENNA

## $29^{95}$

- Stati-Lite Ball for Additional Dissipation of Static Electricity
- Hi" ${ }^{\text {" P Phasing }}$ Transformer Provides Resonance over entire CB Band


Rigid aluminum vertical radiator provides minimum improvement in signal-to-noise of 6 db , a 3.75 db of true gain as compared to a flat ground plane antenna. Top mounted orbital ball drastically reduces static dis. charge noise. Full $1 / 2$ wavelength $108^{\prime \prime}$ radials offer maximum RF coupling . . . low radiation angle intenslfies signal coupling. includes powerful phasing transformer and mounting hardware to take up to $11 / 2^{\prime \prime}$ masts. Treated against corrosion. Easy to install. Shpg. wt. 10 lbs.
42 F $10019{ }^{2}$ No Money Oown ${ }^{\circ}$ _- Net 29.95

## MC- 227 "MIGHTY MAGNUM" $1 / 2$ WAVE OMNI-DIRECTIONAL CB BASE STATION ANTENNA



- Power-Tip Radials Lower Radiation Angle
- Phasing Coil Optimizes Impedance MatchVSWR Less Than 1.4:1
- "Stati-Lite Diamond" Reduces Recelver Noise

Ruggedly constructed, omni-directional, base station antenna with 4 db gain, Increases radiated power to 13 -watts. "Power-Tip" radials lower radiation angle and increase range. "StatJ-Lite Diamond" reduces recelver noise. Phasing coll optimizes impedance match-VSWR less than 1.4:1. Completely waterproof transformer jacket. Four electrically shortened radials (only $60^{\prime \prime}$ long) permit easy installation and decreases wind resistance. Overall height: $16^{\prime \prime} 7^{\prime \prime}$. Takes masts up to $11 / 2^{\prime \prime}$ O.D. Parcel Post Shippable. Wt., 10 lbs.
42 F 10563w No Money Down * ... Net 36.95

## MR-119 "SUPER SCANNER" ELECTRONIC ROTATABLE CB FJXED ANTENNA

## $84^{95}$

- Electronically Scans A Full $360^{\circ}$
- Omni-Position for Locating Other Stations
- Includes Separate Scan Control Unit

Multi-element directional antenna system electronically rotatable for a full $360^{\circ}$ in three $120^{\circ}$ steps plus an OMNI-POSITION for quickly locating CB stations, particularly mobile. This is accomplished by use of the "Scanner's" separate electronic Scan Can trol unit. Compact array of 3 sector-phased $171 / 2 \mathrm{ft}$. vertical elements extend less than 3 feet from the mounting boom. Resists over 100 mph winds. 7.75 db directional gain, -23 db front-to-back ratio. Requires 4 -cond rotor cable. Takes masts from $11 / 2^{\prime \prime}$ to $2^{\prime \prime}$. Shpg. wt., 17 lbs.
42 F 10571 W No Money Down ${ }^{*}$.... Net 84.95 100 ft . coll of 4 -cond, rotor cable. 32 F 89105

## Mobile Antennas

## M-180 ADJUSTABLE GUTTER CLAMP MOBILE ANTENNA



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 white seated in the car. Heavy duty, chrome plated mount has spring loaded position adjustment for $0^{\circ}, 45^{\circ}$ or $90^{\circ}$ mounting on either side of vehicle. Sleeh black fiberglass center loaded whip is professionally designed for heavy-duty operation. Has all the things a CB'er would want in a mobile antenna: Ruggedness, reliabllity and high derformance. Shpr. wt.. 5 tbs.
42 F 10522W
Net 17.95

## M301 2-SECTION FIBERGLASS TUNEABLE MOBILE ANTENNA

- Replace Your Old Steel 1/4 Wave Mobile Whip

72" tuneable white fiberglass split whip. Two-piece with nickel plated brass ferrule. Finger-tip tuning. Fits Y/"-24 mounts and spring. Top loaded, totally incapsulated load coil. Parcel post shipped. Shpr. wt. 1 ib. 42 F 10605

## "QUICK-GRIP" MOBILE ANTENNAS

As Low As $18^{95}$

# (A) 

With $\mathbf{1 6}^{\circ}$
"Quick-Grip" Trunk Mount-No Holes to Drill-Simple Instal. lation, Mounted in Seconds.
(A) Model Mi75. Stainless steel whip. Base Loaded with attractive gray jacket and chrome end fittings. Whip adapter provides $11 / 4^{\prime \prime}$ adjustment for extra fine funing. "Quick-Grip" mount. Solderless lead connection with PL. 259 at set end of 16 foot coaxial cable. Shpg. wi., 1 lb .
42 F 10498 w
Net 18.95
[B] NEW M304 white "Pultrusion" fibre glass whip, tapered stainless steel slim-line shock spring. Extreme resistance to corrosion. Only $46^{\prime \prime}$ long. Solderiess lead consnection with PL259 at set end of 16 fL coaxial cable.
42 F 106 t3 w Shpg. wt., $174 \mathrm{lbs} .$. Net 23.95

## M. 90 96" FIBERGLASS WHIP MOBILE ANTENNA

A $96^{\prime \prime}$ white fiberglass CB whip antenna designed for use only on the 27. MHz band. Mounting adapter consists of chrome plated brass ferrule with $3 / 8^{*} 24$ male thread to fit standard base or spring. Wt.. 1 lb . 42 F 10217wX Net 9.95 MODEL M.3B $102^{\circ}$ WHIP. Similar to M-90 except stainless steel construction. Shpg. wt., 1 lb .
42 F 10225 WX

## M-230 MOBILE SCANNER ANTENNA SYSTEM $49^{95}$



Deluxe vehicular beam antenna system for instantaneous moblile scanning of CB signal. Consists of 2.50 ohm swivel type base load ed cowl or fender mount antennas interconnected thru a dash-mounted Scanner Control Box (included) that permits instant electronic switching to any 3-positions: front, rear, or sides. Produces directlonal gain in relation to the position of your vehicle. includes all mounting cable Shpg. wt. 4 lbs.
42 F 10589W No Money Down*
Net 49.95
M-178 "STICK-SHIFT"
MOBILE MAGNET ANTENNA


With $\mathbf{1 6}^{\mathbf{1}}$
Coaxial Cable
For temporary or permanent mo. bile applications. Powerful mag. net leature lets user shilf position of antenna or change from one vehicle to another, Triple chrome vehicle to another, Triple chrome
plated metal base. Fine tuning adjustment, VSWR 1.5:1 or better, $38^{\text {" }}$ stainless steel whip with 16 th. RG-58/U cable termination in PL 259 connector. Shpg. wt., 2 lbs.
42 F 10530 W

A full line of transmitting and receiving crystals for the most popular CB Transceivers and Walkie-Talkies on the market today. These crystals are avallable for any channel

## HOW TO ORDER CRYSTALS

## for Lafayette CB transceivers

Add two (2) digits representing the desired channel to the appropriate stock number listed below; 1.e., the correct stock number for Lafayette Model HB-115 transmit crystal for chan. nel 1 is 46 F 1801, likewise for channel 23 is 46 F 1823.

## LAFAYETTE CB TRANSCEIVERS

| Model | Stock Numbers Transmit Receive |  | Model |  | Stack Numbers Tramsmit Receive |  | Model | Stock Numbers Transmit Receive |  | Mocel | Stock Transmit | mbers Receive |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| HB-115, A | 46F18 | - | HE-20T, | HA-450 | 4EF65 | 46F10 | HB. 200 | $46 F 61$ | 46F19 | Comstat 19 |  |  |
| ME-15,A, B | $46 F 18$ | $\cdots$ | HE-43, A, | , B,C,HE-90 | 0 4EF18 | 46F19 | H8.500, A | 46 F 15 | 46 F 16 | Micro 12 | $46 F 15$ | 46F10 |
| HE-20, A, B, C | 46 F 18 | $45 \mathrm{F19}$ | HB-111 |  | 4EFG7 | 46819 | HB. 555 | $46 F 65$ | 46F13 |  |  |  |
| HE-20 D | 46 F 11 | 46710 | HA-150 |  | defis | 4670 | Comstat 9 Kit | $46 \mathrm{F61}$ | 45517 |  |  |  |

## LAFAYETTE "WALKIE-TALKIE" CB TRANSCEIVERS

| Model ${ }^{\text {S }}$ | Stock Numbers Transmit Receive |  | Model |  | Stock Numbers Transmit Receive |  | Model |  | Stock Numbers Transmit Recelve |  | Model |  | Stock Numbers Transmit Recelve |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| HE-29.A.B | 45718 | $45 F 17$ | HA-73, | HE. 75 | $46 F 15$ | 46F10 | HA. 135 | II. A | 45F15 | 46F10 | HA-310 |  | 46F15 | 46716 |
| ME-29C, ${ }^{\text {, GT-50,A }}$ | A 46F15 | 46 Fl 10 | HA-85, A | HA-99 | 4.F15 | $46 F 10$ | HE-210, | , HA. 295 | 46F15 | $46 F 10$ | Dyma-Com | 2, $0_{1} 3$ | $46 F 15$ | 46710 |
| HA-60, A; HA-62, A | 46 F 15 | $46 F 10$ | HE-88, H | E-100, A, B | 46F15 | 46F10 | HA. 300, | A, B | 46F11 | 46F10 | Dyna-Com |  | 46F11 | $46 F 10$ |
| ME -66; HE-82 | $46 F 18$ | 46 F 17 | HA-130A | , HA. 132 | 45 F15 | $46 F 10$ | HA-303, | HA-305 | 46 Fl 5 | 46 F 10 | Dyna-Com | 5,5a,6,1 | 246515 | 46 F 10 |

## CB Crystals for Popular Standard Brand Transceivers

Now ... Any iransmit crystal or any receive crystal for any c8 transceiver that uses a separate transmit crystal and a separate re. ceive crystal for each channel.

SEND filled-out certificate, one for each crystal, to manufacturer. You wifi receive the crystal directly from the manufacturer, postage prepald, within maximum of 30 days.

## Hy-Gain CB Base Station and Mobile Antennas

NEW IMPROVED MOBILE HELLCATS


Now with Extra
Heary Duty Coils

NEW "GLASSCAT-1" 108" FIBERGLAS WHIP

- Exclusive Break-a-part Feature

For Easy Garaging.
2 section design lets you take the Glasscat apart. Store the top half in your car when garaging or driving into a parking lot. Heavy epory-fibreglass provides complete shielding from precipitation static. Chrome plate base has $3 / 8.24$ stud to fit standard mounts. Does not
$14^{95} \begin{gathered}\text { require a } \\ 42 \mathrm{~F} 35255 \mathrm{w}\end{gathered}$ Net 14.95
NEW! "DX CAT" MOBILE CB ANTENNA

- Top Loaded, Rear Deck or Bumper Mounting


## - Solid 5/8" Mast Folds Over

Perfect 52 -ohm match. Same radiation characteristics
[a "hellcat 2" roof top moumt amtemma. Base loaded, and almost impervious to damage. The extremely short, strong, Highweight stainless steel tip rod provides a very flexible capability to withstand garages and low hanging obstacles. Only 23 inches high. Complete with $22^{\circ}$ of coas and connector.
42 F 35164 w Shpg. wt., 2 ibs .
Net 16.95
[- "hellcat 3" magmet antemma. Magnetically mounted in an instant and requires no heles or tools. You'll talk loud and clear with a 10 SWR on all 23 -channels. Complete with $16^{\circ}$ of coak and connector. Overall height is 345/8
42 F 35172 whpg . wt., 3 lbs.
Net 17.95
[C] "HELLCAT 4" TRUMK MOUNT ANTENNA. Mounts easily and quickly on the llp of your trunk lid. Is base loaded with an etched copper coll, giving a very low SWR on all 23 channels. With 22' coax and connector. Overall height 47 ".
42 F 35180 W Shpg. Wt., $31 / 2 \mathrm{lbs}$.
Net 21.95
[D] "WELLCAT 6" $^{\circ}$ CAMPER AND TRAILER ANTENNA. Installs quickI. and easily on all types of campers and house trailers. Mounting bracket is complete with low grofile base and chrome plated brass automatic fold-over, providing necessary mechanical protection. With $22^{\prime \prime}$ coax and connector. Overall height $47^{M}$.
42 F 35206 w Shpg, wt., $33 / 4 \mathrm{lbs}$.
Net 22.95
[ "HELLCAT 7" THE FOLD-over ROOFTOP ANTENMA. Tension load. ed 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 tbs.
42 F $35214 W$
Net 19.95 *s the 102" whip. All connections are standard 3/8-24" thread Mast wio. All connections are standard 3/0-24 coil is sealed in epory-fibreglass sleeve. Shpg. $81 / 2 \mathrm{lbs}$. 42 F 35248 w

Net 21.95

## MODEL CLR/II BASE STATION ANTENNA

## $32^{95}$ <br> - Electrically Extended <br> 5/8" Wave Length Radiator

## - Delivers 8 DB Circuit Gain

Deluxe colinear ground plane antenna. Rugged base mounting assembly insures survival in winds up to 100 MPH. Maximum ( 20 ft ) Radiator develops greatest Dossible gain. 3.4 db in measured field strength intensity plus improvement in signal/noise ratio resulting from vertical element being at of 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 $14^{\circ}$ to $3 / 8^{\circ}$. All seamless fubing. Mount on mast $1^{*}$ to $15{ }^{\prime \prime}{ }^{\prime \prime}$. SWR tess than 1.2:1. Fed with 52 ohm coax. Shpg wt., 8 lbs.
42 F 35016wx No Money Down*
Net 32.95

# Improve Your Citizen Band Performance 

LaFAYETTE CB Low Pass Filter


## 795

- Avoid TV Set Interference
-50db Attenuation of Radiated Spurious and Undesirable Signals
- Simple Installation

Designed to effectively reduce TVI which may be eminating from your cB transmitter. This professional quality filter attenuates radiated spurious and other undesirable harmonic signals higher than 50 MHz approximately 50 db or more; Minlmizes interference with your own or your neighbor's TY set. Simple to install with two built-in SO-239 connectors. Just place unit between transmitter and antenna, Impedance is 50-75 ohms and connections may be reversed for same impedance match. Max. power rating is 100 watts. Very well constructed with spotwelded case and IInished in dark metallic rrey. Size: $5 \times 2 \times 13 / 4{ }^{\prime \prime}$. Shpg. Wt., $11 / 2$ lbs. 42 F 01232

Net 7.95

## EICO 715 "Trans/Match" Ham/CB Transceiver Test Sęt



The self-powered "TRANS/MATCH" is professional test set that's designed for complete checking of both ham and CB equipment. Reliable, compact, portable, quick and easy to use, it enables you to obtain maximum results from your ham or CB transceiver or transmitter. Measure R.F. power to 50 watts and Standing Wave Ratio (Forward \& Reflected power). Features a direct reading field strength meter sensitive to 100 microamps for accurate readings. Specifications: SWR; 1-30, True RF Power Range; 10 watts and 50 watts. Modulation perentage, $0.100 \%$, headphone jack output. Relative fleid strength; $\mathbf{1 - 1 0}$. Scuff resistant vinyl finish case, extruded aluminum polished panel. Size: $4 \% \times 81 / 3 \times 34 / 2^{\prime \prime}$. Shpg. wt., 5 lbs.
40 F 74233715 KIT
Net 39.95
40 F 74241715 WIRED

## AMECO CB Transceiver RF Preamplifier



- Improve Receiver

Net 22.95


- 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 noise and interference created by the oper ation of electrical equipment in your car or boat such as spark plugs, circuit break. ers, colls, generators, regulators, or dis. tributor assemblies. Consists of 8 -spark plug suppressors; 1-distributor suppressor; 12 ft . shielded cable; 18 -inch bondine strap, $1 / 4^{\prime \prime}$-wide, 4 -coaxial capacitors. All neces. sary hardware and complete instructions for installation are included. Shpg. wt., 2 lbs.
42 F 09052
Net 12.95

## NEW E. F. Johnson Solid State In-Converter



Converts: 6 VDC to 12 VDC 6 VDC to 18VDC 12VDC to 24 VDC

Permits you to match voltage and polarity from any 6 or 12 volt DC power source to your citizens band equipment. Converts 6 volts DC to 18,12 volts $D C$ to 24 . Inverts polarity from positive to negative to positive. Select any combination of connections in seconds by merely changing one jumper cable. Size: $53 / 4^{\prime \prime} \mathrm{L} \times 21 / 2^{-H} \times 33 / 4{ }^{-W}$. Shpg. wt. $31 / 2$ lbs
42 F 39190

## - 0 C Sensitivity <br> - FET Transistor Amplifier onnects to CB Transceiver No Modification Required

 Model "PCB-U" solld-state preamplifier improves sensiltivity, Increases gain of receiver section of transceiver over 20 db . Improves signal-to-noise ratio. Automatic switching bypasses preamplifier when transmitting. Built-in gain control increases immunity to front-end overload. "ON THE AIR" sign automatically lights when transmilting base station or moblle. Size: $71 / 2^{\prime \prime} \times 31 / 4^{\prime \prime} \times 41 / 2^{\prime \prime}$. Shpg. wt. 3 lbs .42 F 69098 No Money Down* ___ Net 59.95
Deluxe Model PCB-Senior. In addition to the above, contains power switch to control entire station. It can feed a second receiver and automatically mutes second receiver while transmitting. Has double funed preselector stage. For base station 117 V AC only. Shpg. wt., 3 lbs.
42 F 69130 Net 69.95

## E. F. Johnson Antenna Meter and CB Matchbox



Deluxe antenna instruments for correcting \& measuring moblle or base station CB antenna systems. Units connect between CB transceiver and antenna transmission line.
(A) Model 250-49 CB Matchbox. Compact self-contained antenna matching unit en ables maximum energy transfer to antenna system. Sinple adjustment of "Tune" and "Load" controls correct SWR up to $5: 1$ to give almost perfect 1.1:1 antenna match Requires no external power source. Size: $4 \times 31 / 4 \times 23$ 3/4. Shpg. wt. 3 ths.
42 F 39141
Net 15.95
(B) Model 250-849 Antenna Meter. Direct reaaing antenna meter measures SWR up to $10: 1$. No external power needed. Size: $41 / 2 \times 2 y / 4 \times 21 /{ }^{\circ}{ }^{\prime \prime}$. Shpg. wt., 3 lbs. 42 F 39133

Net 14.95


NEW CB Transceiver Auto-Mount

- Adjustable-Fits all Transceivers

Screws firmly to floor. $1^{\text {" }}$ strap holds trans. celver firmly in place. Easy access to all controls. Steel construction. Size: $101 /{ }^{10}$ " to $143 / 4^{\prime \prime}$ wlde, $103 / 4^{\prime \prime}$ long. Rear height: $53 /{ }^{\prime \prime}$ ". front height $9^{\prime \prime}$. Shpg. wt., 5 los. 42 F 68009 W

## LAFAYETIE-Headquarters for CB Accessories \& Equipment

## LAFAYETTE CB Nuvisto <br> Preamplifier



- Improve Receiver Gain, Noise Figure, Spurious Signal Rejection and Image Rejection
Can be added to virtually any CB transceiver to improve gain and noise ligure. Covers a frequency range of 26.96 to 27.225 MHz and employs a nuvistor tube in a neutralized circuit ${ }_{2}$ Tuned circuitry is employed for both the grid and plate. Cain is 20 db and noise figure of 2.0 do at 27 MHz . Power require. ments are 6.3 volts at 135 ma . and 100.250 volts $O C$ at 8 ma . Only $24 / 2 \times 31 / 2 \times 11 / 2^{\prime \prime}$. 42 F 01273 Shpg. wt., 2 lbs. -.... Net 13.95


## Mobile Burglar Alarm For CB Transceivers

## 49

 95

- Prevent Theft of Your Transceiver
- Solid State Integrated Circuit
- For 12 V. Neg or Pos Ground Protect your CB equipment. Burglar alarm connects to your horn and CB Transceiver. Horn automatically blows when someone tries to steal your CB unit. Two-way switch per. mits you to remove your transceiver without sounding alarm. Features rellable, solld-state ic circuitry. Complete with instructions, wire and mounting hardware. 42 F 11011 Shpg. wt., 3 oz. Net 4.95
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 $50-\mathrm{hm}$ line. Stays in-line for constant monitoring. Megligible insertion loss. Reads true output power and not rela tive power.
42 F 21065 Shpg. wt., 1 lb.
Make Lafayette Your Heudquarters For Citizens Band Equipment
Measures

- RF Power Output
- \% Modulation
- Relative Field Strength
- Crystal Activity
- SWR

Generates

- Crystal Controfled RF Signal
- 1 kHz Audio Signal
- Modulated Audio Signal

Provides

- In-Circuit Instant Coninection to Antenna Without Removing Cables From Transmitter
Permits
- Aural Monitoring of Local Transmitters
- Visnal Transmitter Monitoring with Oscilloscope

42 F 01265 No Money Down *

Mini CB Phone Patch


13225

- Handles A Full 500-Watts Average Power
- Ideal For Inline Mobile Applications
 yet, will handie a full 500 -watts average power with negligible insertion less. Gives stable meter readings of SWR plus an additionad scale shows relative output power. Designed for 52 -ohm Impedance lines. Sup. plied with universal mounting bracket for inline applleations. Shpg. wt., 8 or.
42 F 21040
Net 13.25
CB Antenna Match

- 1.1:1 VSWR

Gives a perfect antenna/transmission line match of 1.1:1 VSWR for full power. Reguires no special tools for installation. Simply insert the CB MATCHER between the
transmitter and antenna lead-in. Adjustable transmitter and antenna lead-in. Adjustable transmitter and antenna lead-in. Adjustable der various operating conditions.
42 F 21032 Shpg, wt., 602
Net 9.95
CB and Ham SWR Mini-Bridge


$13^{35}$
Talk anywhere in the worid from your car
or truck. Simple installation allows your
telephone to be connected to your CB com-
munications system. For use wlth 3.16 ohm
speakers and high impedance microphone
inputs. Transmit gain control to compensate
for varying line levels. On-off switch dis-
connects patch when not in use. Dimensions:
$37 / 8 \mathrm{~L} 21 / \mathrm{hH} \times 21 / 4{ }^{\circ} \mathrm{D}$. Shpg. wt., 2 Ibs.
42 F 12007.95
Antenna Coaxial Switch
Talk anywhere in the worid from your car
or truck. Simple installation allows your
telephone to be connected to your cB com-
munications system. For use with 3.16 ohm
speakers and high impedance microphone
inputs. Transmit gain control to compensate
for varying line levels. Onoff switch dis-
connects patch when not in use. Dimensions:
$37 / 8 L 21 / 4 \mathrm{H} \times 21 / 4{ }^{\circ} \mathrm{D}$. Shpg. wt. 2 Ibs.
42 F 12007.
Antenna Coaxial Switch






Talk anywhere in the worid from your
or truck. Simple installation allows
telephone to be connected to your CB
munications system. For use wlth 3.16
speakers and high impedance microph
inputs. Transmit gain control to compen
for varying line levels. On-off switch
connects patch when not in use. Dimensi
$37 / 8 \mathrm{~L} 21 / \mathrm{hH} \times 21 / 4{ }^{\circ} \mathrm{D}$. Shpg. wt., 2 Ibs.
42 F 12007 .
Antenna Coaxial Switch

Net 13.95



- Connect Your Telephone to Your CB System
- Use With Migh Impedance Mike Inputs
- Rated At 1 KW AM, 2 KW PEP SSB

CBer's and Hams can stop reaching behind their rigs, wasting time and missing calls switching antenna leads. With this quality coaxial switch-just turn the knob and instantly change from one antenna to another. Size: $21 / 2 \times 11 / 4^{\prime \prime}$. Shpg. wt., 1 lb.
42F21024
Net 5.95


Made in U.S.A.
Features sensitive d'arsonval meter, front panel jacks fof aural and visual monitoring, audio generator output and RF signal generator output; ceramic jacks for standard miniature crystal sockets. Controls include Function Selector Antenna Selector, Generator. Selector, Modulation Calibrate Switch. Modulation Calibrate Control and Meter Adjust Control. Sturdy professional type \$0-239 sockets accept standard PL-259 connecturs. Sturdy attractive molded case with brushed aluminum front panel. $77 / 8$ a $5 \%$ $\mathrm{x} 2 \% \mathrm{a}^{\circ}$. Includes 9 V battery; $30^{-\infty}$ telescoping antenna. Shpg. wt., 4 lbs .

Net 47.35

\title{

Lafayette CB Replacement Parts \& Accessories


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 chiassis power sockitl. The opposite end terminates in lugs for solid connections to the battery point and ground. Midway in the tine is a durable plastic holder containing a protectlive fuse. Features well soldered connections, strong wire, Overall length approximately 6 feet long. For H8500. A. M8-555, HB-525, A, B, C, D, HB-625. H8-23. Telsat 150, Telsat 50, HA-750, P8-50, P8-150, HA-39, 42, 45, 46, 153, 155, HA-159. 99 F 31106 Imported. Wt., 8 oz ..... Net 2.50
DC POWER CHASSIS JACK


Mounts on chassis rear and accepts plug of 12 volt DC power cable 99 31106 above. Used in H8-500, A. HB. 525, A. B, C, D, HB625, HB-23. HA750, PR-150, PB-50, HA-39, 42, 45, 46, 153. 155. 159. Telsat 150 and Telsat 50 . Imported. 99 F 63638 Shpg wt., 2 oz. ...............Net . 88

## CABLE ASSEMBLIES



FOR COMSTAT 23, 2S, 25A, $25 B$
Ac Cable Assembiy. $53 / 4 \mathrm{ft}$, of durable cable terminating in dual prong power plug on one end and in 8 -prong octal socket on other. Shpp. wt., 8 ot.
99 F 32401 Imported
Net 1.35 DC Cable Assembly, $41 / 2 \mathrm{It}$. fused $D C$ cable tinned on one end and terminating in octal socket on other, Shps. wt., 5 oz. 99 F 31825 Imported

Net 2.50
For Comstat 23 MK V \& MK VI AC Cable Assembly. Shpp. wt., 8 oz 99 F 32419 Imported.

Net 1.55
AC CAELE ASSEMELIES FOF HE-20, A, B, C; HE-43, A. B, C; HE-45, A, B; HE-50, A, HB 333. Shpg. wt., 1 lb .

32 F 09327
Net 1.95

## HEAVY DUTY CB MICROPHONE CABLE <br> 

- 3 Conductors Plus Shield - durable coiled cord, retractable micro. phone cable with 3 insulated conductors, one of which is shielded. Ertends to 5 feet and retracts to 10 inches. Is used with Lafayette MB-500. A, 525, A,B,C,D, M8-625, Telsat 23. Jelsat 50 . Jelsat 150 . Micro- 12. Imported.
99 F 63620 Shpg. wt., 8 ot. ...........Net 2.49
MOBILE MOUNTING BRACKETS

Complete with top mounting holes, and with adjustable side mounting holes for knurled screws. Used in Lafavette HB-525, A, B, C, D, HB-625, HA-750, PB-50 and P8-150, Telsat 50, Telsat 150 . $63 / 4 \times 2 x 3 / 4$ ". Imported,
99 If 6358 s Shpg. wt., 402 . ..............t 1.45 Same as above but for Lafayette HB-555, HB23, HA.39, 42, 45, 46, 153, 155, HA-159. $61 / 4 \times 21 / 4 \times 1 / 4{ }^{\prime \prime}$. Imported.
93 F 53596 shpg. wt., 4 oz.
Net 1.45

\section*{27MC WALKIE-TALKIE

## 27MC WALKIE-TALKIE TELESCOPING ANTENNA

Attractive and highly efficient 12 section chrome plaled brass telescoping antenna for "walmie talkie" trans ceivers. Measures $52^{\prime \prime}$ fully extended and $57 / \mathrm{m}^{\prime \prime}$ retracted. Has 8-32 threaded sfud and nut at boftom for easy mounting, and soidering lug for electrical coanection. Shigg. wt, 1002. 99 F 30082

Net 1.95

## LAFAYETTE MINIATURE

 MICROPHONE CONNECTORS
(A) Microphane Plug for CB and Amateur Microphones. Precision engineered and sturdily construc. ted. Plug takes any 4 conductor (or 3 conductor with shield), colled cord or straight cable. Features threaded retaining ring for positive loching, integral cable retaining clamp. and polarizing heyway. Size: $11 / 44^{\prime 2} x 1 / 2^{\prime D} D$ Used with microphone in Comstat 23, MKV, MKVI, Comstat 25, 25A. 25B, HB-444, HB-444 /25, HB-444/25A, Comstat 19. Imported. 99 F 62630 Shpg. wt. 8 oz.

Net 1.49
(B) Microphone Chassis Socket Mounts on equipment chassis or panel and mates with 99-62630 plug. Size: $3 / 4^{\prime \prime} \times$ Koc $_{0}{ }^{"}$ Dia. Requires ${ }^{4} / 8{ }^{\prime \prime}$ mounting hole. Used in Comstat 23, MKY, MKVI, Comstar 25A. 25B, HB-444/25A. Comstat 19 . Imported. WL, 8 ol . 99 F 62648

Net 89

## MICROPHONE PLUG

Attractive, sturdy plug used with HB-555, HB-600, HB-600A, HA-650. HE-20D, HB-525, A, B, C, D. HB-625, HE-20T, HB-23, MA-750, Tel sat 23. Telsat 150, Telsat 50 and Micro-12 microphones. Four male prones on one end with retaining cable clamp on the other end. Sturdy molded plastic body with plated metal housing. Size: $5 / 8^{\circ} 00 \times 11 / 2^{\prime \prime}$ overall. Imported. Shpg. wL. 402.
99 F 62438
Net 99
MICROPHONE CHASSIS

## SOCKET

Mounts on chassis rear of equipment. Accepts and mates with microphone plug 99 F 62838 above. Used in HB. 555 , HB 600 , A. HA-650, HE 20D. HB-525, A, B, C. D. HB-625, HE-207, MB-23. HA-750, Telsat 23. Teisat 50 , Telsat 150 and Micro-12. Imported 99 F 63646 Shpg. wt., 2 oz. .............Net 99

## HLLUMINATING PILOT LAMPS



5 meter illuminating Lamp. Operates on 6 volts AC or DC. Used in Lafayette Comstat 23, MKV, MKVI, Comstat 25, Comstal 25A, 25B, HB 444/25A. Imported. Shpg. wt., 3 or.
Channel Selector Dial Indicator Lamp. Used In Lafayette HB-500. HB-525, A. B, C. D. HB625. MB-600, HE-200, HE-20T, MA-39, 42, 45, $46,153,155$, HA-159, HA-750, Telsat 150 . Teisat $50, \mathrm{~PB}$-50, PB-150, Micro-12. Imported.
99 F 63612 Shpg. wt., 2 oz .
Net 29

## CB CONNECTOR ADAPTERS


[A]. Adapts from an auto antenna plug (Motorola type) to an $50-239$ socket. Wt. 4 oz . 42 | 22014

Net 1.29
[0. Adapts from PL-259 plug to a standard auto radio antenna jack (Motorola type). 402. 42 F 22022 Shpg. wt. 402.
generator moise filter

- Freq. Range 3.30 MHz
- Simple to Install - Adjustable


Enables quiet receiver operation for Citizens Band, Amateur and indus trial frequencies. Standard frequency range 3-30 MHz. Maximum current 25 amps. Imported.
99 F 60188 Shpg. wt., 5 or.
Net 2.23

## voltage regulator filter



Eliminates noises in communication receivers caused by points in voltage regulator. Not voltage or frequency critical-no funing required. Wt., 502.
42 F 89013
Net 3.95

## ALTERNATOR NOISE FILTER



A Mighly effectlve fitter for alternator equipped automobiles. Attenuates alternator noise by 50 db . Can operate up to 32 volts DC. Results in quiet mobile receiver operation. Shpg. wit. 40 oz .
42 F 49009
Net 3.49

## TUNEABLE ALTERNATOR FILTER



- Handles Up To 52 Amps.
- 22.60 MHz Range

Designed for ultimate in moblle alternater noise suppression. Can also be used with Amateur and Business Band mobile rigs. Tunes 2260 MHz . Adjustable frequency trimmer rating 52 amps continuous. Shpg. wt., il ib. 42 F 44026

Net 9.95

## LAFAYETTE QUIAT-COMTM SOLID STATE VIBRATOR

Exceptionally efficient replacement for C8 vibrators. as well as for vibrators used in Amateur and comb munications equipment rated up to 85 -watt consumption. Available in POSITIVE Model and in NEGATIVE Model. For 12 Volt operation only. Shpr. wt. 6 oz.
Quiat-Com Poshtive Model Replaces vibrators with Pin 1 Positive.
42 F 01216 Positive Quiat-Com ........Net 7.45 Quial-Com Negative Model
Replaces vibrators with Pin 1 Negative.
42 F 01224 Negative Quiat-Com ......Net 1.45

## KNURLED SCREW

For mounting mobile 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., 2 02.

For Lalayette Comstat 23, MKV, MKVI, Comstat 25 , Comstat 25A, 25B, HB-444/25.
99 F 31833 Shpg. wt., 2 oz . ..............Net . 45

# LAFAYETTE Industrial Pocket Pager 

## REACH YOUR MAN ON THE MOVE INSTANTLY, QUIETLY, PRIVATELY!

EXCELLENT for: Factories, Hospitais, Warehouses, Farms, Research Compounds. Department Stores, Sports, otc.

CONTACT: Doctors, Nurses, Plant Englneers, Supervisors, Maintenance Men, Security Personnel, Department Heads, and other Key Personnel.

- Up to 230 Vital People At Your Fingertips!
- Save Busy Switchboard Time and Money!
- Minimize Disturbing Non-Private Paging!

Lafayette's Industrial Selective Pocket Pager introduces a new concept in realistic, economical local communications with vifal personnel normally on the move. By inserting or clipping the Pocket Pager into your shirt pocket you can easily be reached by your superior who operates a Laiayette solid state 27 MHz transceiver to which is connected a Lafayette selective Encoder-Decoder. With the Priva-com IIIB Encoder-Decoder up to 23 different people can be called vocally with a private message. With the Lafayette Priva-Com 10 selective calling Encoder-Decoder up to 230 different people can be contacted privately. The selection of the transcelver ctiannel corresponding to the frequency of the individual you wish to call, followed by the activation of the call button on the Priva-Com unit breaks the Pager's silence with an audible tone and permits the message to be heard through the Pager. Aclivation of the reset. switch returns the Pager to silent standby. This amazing little Pager features an 18 -rransistor, 5 -diode superheterodyne circuit with RF stage for $0.7 \mu \mathrm{v}$. sensitivity, mechanical filter for superior selectivity, an internal ferrite bar antenna, an earphone/external speaker jack, etc. It is supplied complete with channel 6 crystal, plus 2 dummy fitters required for operational chech prior to actual use. It requires the insertion of any 2 of the optional tuning fork filters listed below. The Pager uses one 5.4 -volt mercury battery or one 5 -volt nickel cadmium rechargeable battery (batteries are optional). Size: $51 / 2 \mathrm{H} \times 25 / 6 \mathrm{~W} \times 1 \mathrm{~K}, 0$ " . Shpg. wt., $13 / 4$ lbs. Less Tuning Filters and Battery.
99 F 35602 L No Money Down:
Net 49.95 Alternate Receive Crystal. For any CB channel from 1 to 23. (specify channel) $\dagger$
46 F 10
Net 2.25
tSee Page 443 on How to Order Crystals.
5.4 Volt Mercury Battery (1 required)

32 F 46741
Prg. of 2 Net 3.24 Alternate 5-Volt Nicad Rechargeable Battery. Shpg. wt., $3 \mathbf{0 z}$. 32 F 67010
99 F 35610 Nicad Battery Charger Shpg wt, 2 lbs. Net 16.95 40 F 79018 Earphone for Pager .................................... . 59

## LAFAYETTE RECOMMENDED

NEW Sensational
LOW Price!
NOW

## NEW Sensationa





POCKET PAGER

OPTIOMAL ACCESSORIES
Frequency Tuning Fork Fitters. (Any Two Listed Below)
99 F $35529 \quad 817.5 \mathrm{~Hz} \quad 99 \mathrm{~F} 35545922.5 \mathrm{~Hz} \quad 99 \mathrm{~F} 35560 \quad 997.5 \mathrm{~Hz}$ 99 F $35537862.5 \mathrm{~Hz} \quad 99 . F 35512967.5 \mathrm{~Hz}$................ Net Ex. 4.95

## ECONOMY PAGER SYSTEMS



12 CHANNEL PAGING SYSTEM

- Lafayette Model HE-20T 27 MHz Transceiver Plus Channel 6 Transmit Crystal
- Lafayette Priva-Com IIIB Encoder-Decoder
- $1 / 2$ Wave Indoor Antenna with cable and connector
- Lafayette Industrial Pocket Pager Plus Tuning Fork Filters
Recommended for systems requiring private communication with up to 12 differeht individuals or with any number of people using up to 12 different channel frequencies. The Pager channel frequencies are pre-determined by the frequencies of the crystals in the HE-201 which is supplied initially with crystals for channel 9. Eleven additional pairs of crystals are requised for 12 channei operation. Crystal frequency in each pager must match the asso. ciated HE-20T channel. A channel 6 transmit crystal for the HE-20T and 2 tuning fork filters for the pager are sapplled for complete compatibility, Complete system; Shpg. wt., $22 z_{i}$ libs.
42 F 91902 WXM No Money Down ${ }^{*}$
See Page 443 for additional crystals for HE-207.
Net 212.95
- See Page 11 for Full Credit Details on Easy Pay Plan


23 CHANNEL PAGING SYSTEM

- Lafayette Telsat 2327 MHz Transceiver
- Lafayette Priva-Com IIIB Encoder-Decoder
- $1 / 2$ Wave Indoor Antenna with Cable and Connector
- Lafayette Industrial Pocket Pager Plus Filters

Recommended for systems requiring private communication with up to 23 different individuals, or with any number of pexple using up to 23 different channels. The Teisat 23 is supplied complete with all crystals required for the 23 different channels. The crystal frequency of each pager must match the transceiver's channel it is supposed to receive. Shpg. Wt., 20 lbs.
42 F $91910 W \mathrm{Wm}$ No Money Down:

## 230 CHANNEL PAGING SYSTEM

Same system as above except with Latayette Hiva-Com 10 in stead of Priva-Com IIIB. Permits transmission of private messages to up to 230 different individuals and to many times that number with semi-private messages. Shpg, wt., 23 lbs.
42 I 91928 WXM No Money Down*
Net 313.95

# Lafayette Priva-Com Encoder-Decoders SAVE MONEY-SAVE TIME-BOOST EFFICIENCY 



23 Transistors, 13 Diodes, and 5 Tuning Fork Filters
Expertly designed solid state circuitry features push-button selection and communications with any one of 10 mobile stations at any one time, or with any assorted quantity of remote stations using up to 10 different duai tone frequencies. The remote mobile remains quieted until the call signai from the Priva-Com 10 activates the receiver. When the remote or mobile station initiates a call to the base station, the Priva-Com 10 indicator lamps signal and identlfy the call. With a


Real Tiny: $11 / 4 \mathrm{H} \times 3 / 3 \mathrm{~W} \times 6 \%_{*}{ }^{-\mathrm{D}}$.
Using a new ingeniously designed ceramic and resonant tuning fort circuitry instead of convemtional reed relays, the diminutive PrivaCom IIf: is exceptionally adaptable for reliable mobile as well as fixed station periormance. Its dual tone signal minimizes the possibility of the transceiver speaker being turned on by stray ignition and power line signals. The Priva-Com IIIB 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

## PRIVA-COM ${ }^{\text {® }} 10$ SOLID STATE SELECTIVE ENCODER-DECODER

- Increases Paging Channets by 10 Times
- Push-button Selection of Any one of 10 Dual-Tone Frequencies
- Indicator Lamps Signal and Identify Incoming Calls
- External Speaker/Horn Switch and Terminals
- Dua! Tone Minimizes False Trigzering On Stray Signals
- Compatible With Priva-Com III, IIIA, IIIB and IV
 HE-20T, and Telsat 23 CB Transceivers With a Built-in Priva-Com Socket.
remote speake or horn connected to the external speaker/horn terminals an audible signal can be heard with the incoming call. Increases number of channeis by 10 times when used with Lafayette Pochet Pager. Attractively styled with brushed aluminum panel and oiled walnut wood case. For 115 volt AC $50 / 60 \mathrm{~Hz}$ operation. Size:
 99 F 31619 w No Money Down

Net 99.35

## PRIVA-COM ${ }^{*}$ IIIB SOLID STATE ENCODER-DECODER <br> For Lafayette 12 Voit Solid State CB Transceivers <br> - 9 Transistors plus 2 Diodes <br> - Dual Tone Minimizes Stray Signal Interierence <br> - Mates Directly with Lafayette <br> HB-555, HB-525A, HB-525B, <br> HB-525C, HB-600, HE-20T and <br> Telsat 23 CB Tranceivers that have a Built-in Priva-Com Socket. <br> - Compatible with Lafayette <br> Priva-Com III, IIIA, IV and Priva-Com 10

stays on until, manually reset. The Priva Com IH日 features simple-to-operate push-button switches for Standoy, Normal, Call and Reset: a volume Control; Indicator Light; and a sturdy moblle brachet for mounting under dash, under transceiver, ett. Supplied with 2 plug-in selective ceramic and resonant tuning fork filters, one for $817.5 \mathbf{~ H z}$,
 Imported. Shpe, wt.. 3 lbs.
99 F 31627 No Money Down*
Net 34.95

## PLUG-IN TUNING FORK SELECTIVE FILTERS for LAFAYETTE PRIVA-CON IIIA and IIIB

Choice of any two different frequencies listed below for those wishing to vary their Priva-Com IIIA and IIIB frequencies. Shpg. wt., 202.

$$
\begin{array}{lll}
99 \text { F } 35389 \text { For } 817.5 \mathrm{Mz} & 99 \text { F } 35545 \text { For } 922.5 \mathrm{~Hz} & \text { 5 F 35sed For } 997.5 \mathrm{~Hz} \\
99 \text { F } 3537 \text { For } 862.5 \mathrm{~Hz} & 99 \text { F } 35552 \text { For } 967.5 \mathrm{~Hz} & \text { Eseh Net } 4.95
\end{array}
$$

## TUNING FORK FILTERS FOR PRIVA-COM III and IV

To vary your Priva-Com frequencies. Select any two frequencies below not already supplied. Shpg. wt., 2 or.
99 F 31189 For 817.5 Hz 99 F 31205 For $922.5 \mathrm{~Hz} \quad 99$ F 31221 For 997.5 Hz

99 F 31197 For 862.5 Mz
F 38013 for 927.5 Hz

## PRIVA-COM ${ }^{*}$ V PRIVATE ENCODER-DECODER

- 10 Dual-Tone Frequency Capability
- Incoming Call Indicator Light
- Operates Horn or External Alarm
- Mates Directly with Lafayette

Comstat 25, 25A, 25B
Tube Type CB Transceivers that have
Built-in Priva-Com Socket.

- Compatible with 42 F 91522M Below

This highly dependable encoder-decoder mutes the CB receiver until a Priva-Com dual tone signal is recelved. Upon receipt of this signal the incoming call indicator light goes on, the horn of external alarm, if connected to the Priva-Com, is operated and the receiver speaker is activated for audible communications. Both base stations or mobiles can initiate calls. Is not compatible with Priva-Com IIIA, IIIB, IV or 10. Slize $4 K_{0} \times 2 K_{0}{ }^{-1} \times 5 K_{4}{ }^{"}$. Shpg. wi., $21 / 2$ lbs.

42 F 01437 For Tube Transceivers performance of Priva Com $v$ with Lafayette 525C, H8-600, HE-20T, and Telsat 23 Solid-state CB transceivers with built-in Priva-Com sochet.
42 F 91522 For Solid State Transceivers, wt., 4 lbs. ........ Net 37.95

## Lafayette Economy CB 2-Way Radio Systems

## MINI-MOBILE MICRO-12 2-WAY RADIO SYSTEMS

[^17]

MODEL HB-23 ECONOMY 2-WAY RADIO SYSTEMS SAVE $\$ 4.90$ From Individuar Catalog Prices
Body
Mount
Only 095
 SAVE $\$ 6.40$

cable


Mobile Systems
Consists of: Lafayette Model HB-23 SolidState CB Transceiver with 23 channel crystal control eapability; stainless steel Body Mount Antenna; and 20' RG.58/U Cable Assembly. Shpg. wt., $113 / 4 \mathrm{lbs}$. 42 F 91670 WXM .......................... 106.95 Same as above except with Rumper Mount instead of Body Mount Antenna. Wt., $113 / 4 \mathrm{lbs}$. 42 f 91688 WXM Net 108.95

## Base Systems

Consists of: Lafayette Model MB-23 Solid. State CB fransceiver with 23 channel. Crystal control capability; HB-5028 AC Power Supply; heavy duty Ground Plane Antenna; $50^{\circ}$ RG-8/U Cable Assembly. Wt. 25 lbs. 42 f 91396 WXM .... Net 134.95
Same as above except with "Range Boost ti" delure $1 / 2$ wave end-fed antenna. Wi., 27 tbs 42 F 91704 WXM Net 141.95


MODEL HB-5250 23 CHANNEL 2-WAY RADIO SYSTEMS


## Mobile Systems



Consists of: Lafayefte Model MB-5250 23 Channel Solid-State CB Tranceiver; staintess steel Body Mount Antenna; 20 RG-58/U Coarial Calle Assembly. Shpg. wt.. $131 / 4$ tbs. 42 F 92058 WXM

Same system as above excepl with Bumper Mount instead of Body Mount Antenna. 42 F 92066 WXM Wt. $131 / 4$ lts. ... Net 155.95

## Base Systems

Consists of: Lafayette Model MB-525D 23 Channel Solid-State CB Transceiver; MB-5028 AC Power Supply; heavy-duty Grosnd Plane Antenna; 50' Re-8/U Low Loss Cable Assembly. Shpg. wt., $211 / 4 \mathrm{lbs}$. 42 F 92674 WXM

Net 181.95 Sas above except with "Range Boast II" deluxe $5 / 2$ wave end-fed antenna. Wt., 23 lbs . 42 F 92e82 WXM


## LAFAYETTE Economy CB 2-Way Radio Systems



TELSAT 23 23-CHANNEL 2-WAY RADIO SYSTEMS SAVE $\$ 7.45$

From 1ndividual Catalog Prices $143^{95}$
No Money Down*


SAVE $\$ 6.90$
From Individual Calalog Prices $134^{95}$


## Base Systems

Consists of: Lalayette Telsat 23 23-Channel crystal-controlled CB transceiver; heavy: duty Ground Plane Antenna; and $50^{\circ}$ RG-8/0 cable assembly. Shpg. wt., $233 / 4 \mathrm{lbs}$ 42 F 91936 wXM N. W. 143.95 Same system as above except with "Hange Boost "1" high gain $1 / 2$-wave length base sfation antenna. Shpg. wt., $251 / /$ ibs. 42 F 91944 KKM

## Mobile Systems

Consists of Lalayette TELSAT 2323 -channel crystal-controlled CB transceiver; stainless steel Body mount Antenna. 20' re.58/U coaxial cable assembly. Shpg. Wt., $20^{3 / 4}$ lbs. 42 F 91951 wxm $\qquad$ Net 134.95
Same system as above except with Bumper Mount instead of body mount antenna. Shpg. wt. 203 m lbs. 42 F 91969 wxM

## LAFAYETTE Economy CB 2-Way Radio Systems



MODEL HB-625 23 CHANNEL 2-WAY RADIO SYSTEMS SAVE $\$ 10.40$

From Individual Catalog Prices

Only
$220^{55}$
No Money Down*


SAV


SAVE $\$ 8.90$

From Individual Catalog Prices ont $192^{35}$
Ne Money Down*

## -




H8-625
HB-5028


## MOBILE STSTEMS

Consists of: Lafayette HB-625 23 Channel Solid-State C8 Transceiver with Integrated Circuit Ignition Noise Silencer; stainless steel Body Mount Antenna; $20^{\circ}$ R $\mathrm{BE}-58 / \mathrm{U}$ Coaxial Casle Assembly. Shpg. Wt., 1314 lbs. 42 F 91753 WXM

Net 192.95
Same system as above except with Bumper Mount instead of Body Mount Antenno. Mount
42 F 91761 mxm Wt., 131/4 lbs. . Net 194.95

GASE SYSTEMS
Consists of: Lafayette MB-625 23 Channel Solid-State Ce Transcelver with IC Ignition Noise Sllencer; MB-502e AC Power supply: heavy duty Eround Plane Antenna; $50^{\circ}$ RGa/U Low Loss Cable Assembly. Wi. $211 / 4 \mathrm{lbs}$. 42 F 91779 WM ................ 220.95
Same system as above except with "Range Boost $11^{\prime \prime}$ deluxe $1 / 2$ wave enc--led antenna. 42 F 91707 wxm Wt., 23 lbs. ...... Net 227.95



Super Range
8oost II

GASE SYSTEMS
Consists of: Lafayette Ho-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 assemily; Shpg. wt., $233 / 4 \cdot \mathrm{lbs}$.
42 F 92090 WXM
Net 230.95
Same system as above except with "Super Range Boost "I" deluxe $1 / 2$-wave end-fed antenna. Shpg. wt., $291 / 4$ lbs. 42 F 92100 wxM

Net 245.95
You save 12.45 from Individual Catalog Prices!

## MOBILE STSTEMS

Consists of: Lalayette M8-600 23-channel crystal-controlled CB 2 -way radio with 2 channels for industrial communicatlons, stainless steel Body Mount Antenna. 20 ft . RG-50/U Coaxial Cable Assembly. Shpg. wi., 201/2 lbs. 42 F92116wxm

Net 222.95 Same system as above except with sumper Mount Antenna. Shpg. wt., $201 / 2$ lbs. 42 F 52124 WKM

Nel 224.95
You Save 0.90 from Individual Catalog Prices!


MODEL TELSAT SSB-25 23 CHANNEL 2-WAY RADIO



## BASE SYSTEMS

Consists of: Lafarette TELSAT SSB-25 AM/ SSB 23 -channel crystal-controlled CB 2-way radio; heavy-duty Greund Plane An. tenna; and 50 It . RG.8/U cable assembly., Shpg. wt. $241 / 4$ lbs. 42 F92132wxm

Net 308.95


Same system as above except with "Super Range Boost $11^{\prime \prime}$ deluxe $1 / 2$-wave end-fed antenna. Shpg. wi., 293/4 lbs.
42 F 92140wxM
Net 324.95
You Save 13.45 from Individual catalog Prices!

## MOBILE SYSTEMS

Conslsts of: Lafayette TELSAT SSB-25 AM/SSB 23 thannel crystal-controlled CB 2-way radio, stainless steel Body Meunt Antenna. 20 ft . RG-58/U coaxial calle assembly; Shpg. wt. 21 lbs.
42 F 92157 wx
Net 300.95
Same system as above except with Bumper Mount Antenal. Shpg. wi., 21 lbs. 42 F 92165 WXM

Net 302.95
You Save 10,90 from Individual Catalog Prices!



## Exclusive RF Overload Protection (Pat. Pend.) 3-Position $\pm 1.4 \mathrm{kHz}$ Crystal Delta Fine Tune Illuminated Automatic S/Prf Meter <br> Variable Squelch Plus Noise Li ligh <br> Front Panel Phone Jack for Private L <br> TVI Trap Minimizes TV Interference


 com plus.in private tone caller. Supplied with PT dynamic micro.

 DC Cable for positive zround vonicles. Shpz. wt., 402.
 -See Page 11 for Full Credit Details on Easy Pay Plan
 - 1 IC, 18 Transistors, 10 Diodes.

- Double Conversion Superhet Receiver
- Mechanical Filter Plus IC for Super Selectivity
- Excellent Sensitivity of Less Than 1 $\mu$ V.
- Range Boost Circuitry For Added Talk Power
- Accepts Priva-Com Plug-in Private Tone Caller
- Full Public Address Amplifier Provisions



## LAFAYETTE <br> 

## ALL CRYSTALS SUPPLIED

## 



- Dual Conversion Receiver Features $8 / 10 \mu \mathrm{~V}$


## 交 <br> - Pi-Network and Low Pass Filter <br> - Built-in 117 VAC Power Supply, Operates Mobile <br> with Optional 12 VDC Supply


$\sum_{2}^{2}$
 n
lluminated "g"/"PRF" Meter . lluminated Chonnel Indicafor 2. Siluminated Knob Chonnel Solector 4. Large Front Panel PM Speaker Transmit Modulation Indicator Light
CB/Public Address Switch 8. Headphone/External Speaker Jack
8. Variable Squelch Control with Stan 10. Volume/Power ON-OFF Control
11. Posittve-Lock Microphone Sosket
 LAFAYETTE Comstat 23 Mark VI 뭄

$$
\begin{aligned}
& \text { coupled through a highly effective pi-network and lowpass } \\
& \text { antennas from } 50-75 \text { ohms. Range Boost circuitry is incor- } \\
& \text { porated for greater average talk power. includes standby } \\
& \stackrel{m}{\circ}
\end{aligned}
$$




## nother LAFAYETTE 2-Way Radio Exclusive!



> LAFAYETTE HB-23
> ONLY $\begin{aligned} & \text { with Crystals } \\ & \text { For Operation } \\ & \text { on Channels } \\ & 9,13,19\end{aligned}$

- 455 kHz Mechanical Filter
- Variable Squelch Plus Automatic Noise Limiting
- Large $5 \times 3$ inch Speaker for Superior Audio

Solid-state ultra compact crystal. synthesis CB transceiver incorporates 15 transistors and one Integrated Circuit stage to achieve superior sensitivity, greatly increased dependability, and lower current drain. Synthesis type frequency control section utilizes a maximum of sixteen crystals for full 23 channel operation. Permits economical addition of 2 channels with each plugein crysial listed below. Carefully tuned 455 kHz mechanical filter assures razor sharp selectivity with excellent adjacent channel rejection. Dual conversion receiver features $0.7 \mu \mathrm{~V}$ sensitivity, ANL, variable squelch, and pushpull audio amplifier. Transmitter provides full 5 watt legal limit input. Illuminated front panel meter monitors " s " units on recelver and PRF output during transmit. PA Speaker/Earphone fack for silent Ilstening or public address operation. For 12 VDC negative or poslitive ground. 117 VAC and portable operation achieved with acces. sories listed below. Complete with dynamic push-to-talk microphone, power cable, mounting bracket, fixed crystals for channels 9,13 , and 19. and FCC application Form 505 . Size $5 \%, 6 \times 77 / \mathrm{BU} \times 21 / \mathrm{s}^{\prime \prime W}$. Im.

* 15 Transistors, 8 Diodes, Plus IC
* Full 5-Watt Maximum Input Power
$\star$ With RF Overload Protection (Pat. Pend.)
* Dual Conversion Superheterodyne Receiver

Ground

- 117 VAC With Optional AC Supply
- Portable Operation With Optional Battery Pack ported. Shag. wt., 64/ Jbs. 99 F 31494 WUX

Net 99.95
Package of 10 Plug-In Crystals. Converis HB-23 from 3 channels to full 23 channel operation. 99 F 31742 Shpg. wt. 1 ib. HB-5028 Solid State 117VAC Power Supply/Charger. Enables operation of HB-23 as a table top 117 VAC base station, also charges nickel cadmium batteries used in the HB-507 pack. 99 F 3208aw

Net 19.95
Model HB-507 Portable Battery Pack. Adapts HB-23 for convenient portable operation with shoulder strap. Less "C" batteries.
99 F 31551 Shpg. wt., 4 bs........................................... 19.95 99 F 31551 Shpg. wt., 4 lbs. ${ }^{\text {C" }}$ " Alkaline Battery for HB-507 (8 required) Wt. 4 oz. ea. 99 F 63802

Net ea. . 44
Alternate Nickel Cadmium Battery ( 10 required) Wt., 5 oz . ea. 32 F 48887

Net ea


Portable HB-23 With HB-507 Power Pack

## OPTIONAL INDIVIDUAL

 PLUG-IN CRYSTALSEach Crystal Adds 2 Operating Channels. Inserts into Specified Crystal sockets. Shpg. wt. 202.
99 F 31635 Channels 1 and 5 ; For Socket A 99 F 31643 Channels 2 and 6; For Socket B 99 F 31650 Channels 3 and 7; For Socket C 99 F 31668 Channels 4 and 8; For Socket D 99 F 31684 Channels 10 and 14; For Socket F 99 F 31692 Channels 11 and 15; For Socket G 99 F 31700 Channels 12 and 16; For Socket H 99 F 31718 Channels 17 and 21; For Socket 99 F 31726 Channels 18 and 22; For Socket J 99 F 31734 Channels 20 and 23; For Socket L Any One of Above Crystals..... Net each 3.45

HB-23


HB-502B
HB-23 Base Station

# True to the Tradition of the Famous HE-20's! 



# LAFAYETTE MODEL HE-20T 5-WATT SOLID-STATE CITIZEN BAND 2-WAY RADIO 

\author{

- 12 Channel Crystal Controlied Transmit and Receive
}
- 23 Channel Tuneable Receive
- 455 kHz Mechanical Filter
- Priva-Com Private Tone Caller Socket
- 117 VAC and 12 VOC Negative or Posi-
- Also a PA Amplifier with External Speaker
- IVI 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 ideaf for fixed and mobile communications. Solid-state circuitry featares low battery drain and provides instant operation; full 5 -watt transmitter input with elficient push-pull audio modulator; and an extra-sensitive superhetrodyne receiver with sensitivity of $.7 \mu \mathrm{~V}$ for 10 db slgnat-tonoise ratio. Fine selectlvity and adjacent channel rejection is obtained through a 455 kHz mectianical filter. Receiver also incorporates automatic floating series-gate noise limiter and variable squelch control resulting in virtually no background noise between calls. Other features: dust-free transmit/receive relay, earphone jack for headphones or externat extension speaker for CB/PA application, llluminated " S " and relative power output meter, mobile mounting bracket and front panel-mounted $4^{\prime \prime}$ speaker. Also features PrivaCom private tone caller socket. Complete with fusee oC tine cord for negative ground battery, push-to talk mike and set of crystals for
channel 9. Includes FCC license application form 505. Size 8 MW x $43 / 6 \mathrm{H} \times 11 \neq{ }^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., $131 / 2$ lbs,
Se F soletwux
X

## OPTIONAL ACCESSORIES

99 F 3164 Positive ground fused 12 VDC cord. Wh., 4 oz. Net 1.50 46 F 65 Extra transmit crystal (specify channel) $\dagger$......... Net 2.25 U6 F 10 Extra receive crystal (speclify channei) $\dagger . . . . . . . . . .$. Net 2.25
HE-20T Modifted for 27.575 MHz (COV'T) operation S5 F 31431 wUXY
HE-20T Modifled for 26.62 MHz (C.A.P.) operation s9 F Ilm23WUXY
HE-201 for 27.575 plus 27.585 MHz aperation
\% F 32305 WUXY
Net 109.95
t See Pige 443 for "Hew io order Crystals."


# FOR YOUR MELL BENGE FOR YOUR SAFETY! The Worlid's Smallest 5 Watt 12 Channel Two Way Radio 

## Lafayette

13/4"HIGH!

## MINI-MOBILE <br> Micro-12 $-79^{95}$ <br> $\operatorname{li\infty }-2$



* 12-Channel Crystal Control 5-Watt 2-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
- Mechanical IF filter for High Adjacent Channel Rejection
- Operates on 12 Volts DC Negative Ground (Easily Convertible to Positive Ground) and from 117 VAC with Optional AC Supply
- Very Low Current Drain: Less than 0.7 Amp. on Transmit
- Miniature Size: $13 / 4 / 4 \times 5 W \times 71 / 2^{\prime \prime} \mathrm{D}$.


## base station at home or office



PORTABLE FOR HUNTING, CYCLING, SPORTS, ETC.


## For: Car, Truck, Boat, Tractor, Plane, Snowmobile, Cycle, Etc.

A boon to 5 watt mobile communlcations! The Lafayette Micro-12 miniature trail blazer embodies exceptional versatility and flexibility. Designed and built for extra reiiable performance, its compactness and size make it ideal for mobile and portable communications. In addition to the outstanding features Ilsted above the Micro-12 includes a-stage transmit circuit with up to $100 \%$ modulation capability, an antenna matching adjustment for maximum radiated power, and a highly sensitive receiver with RF stage for $1 \mu v$. sensitivity at $10 \mathrm{do} \mathrm{S} / \mathrm{N}$. The Micro-12 also features superior zener oiode voltage regulation, very low current drain that permits continuous mobile operation-even with the motor olf, a TVI trap for minimizIng TV interterence, an Illuminated channel Indicator dial, and an 8 -16 ohm external earphone/speaker jack for private or remote Histening. Supplied complete with push-to-talh dynamic microphone with retractile cord, "quich-release" mobile mounting bracket, channel 10 crystals, DC power lead, and FCC Form 505. Size: 5W13/4 Hx $71 / 2^{\prime 2} \mathrm{D}$. Shpg, wi, 5 lbs .
99 F 31957 WUX
Net 79.95
EXTRA CRYSTALS FOR MICRO-12. ISee Page 443 for "How to order Crystals.'
46 F $15 \dagger$ Transmit Crystal (specify channel)
Net ea. 2.25
46 F $10 \dagger$ Receive Crystal (specify channel)
Micro-12 Modified for 26.620 MHz .
99 F 3231 OWUXY
Net ea. 2.25

Micro-12 Modified for $\mathbf{2 7 . 5 7 5}$ plus $\mathbf{2 7 . 5 8 5} \mathbf{~ M H z}$ 99 F 32328 WUXY
Micro-12 Modified for $\mathbf{2 7 . 9 8 0} \mathbf{~ M H z}$ (Coast Guard Auxiliary) 99 F 32393 WUXY

Net 89.95
Net 99.95

H8-509A Portable Battery Pact Attaches to Micro-12 for Conversion to portable operation. Supplied with telescoping whip antenna, battery condition meter, microphone clip and shoulder strap. Less batteries.
99 F 32260 Shpg. wt., 2 lbs.
Net 15.95
Alkaline Battery for HB-509A (8 req.)
99 F 63802 Shpg. wt., 302.
Netea. . 44
Alternate Nicad Battery for HB-509A (10 req.)
32 F 48887 Shpg. wt., 50 oz.
Net ea. 3.74
HB-512 AC Power Supply. Permits 117 VAC oderation of Micro- 12 and
charges optional nicad batteries used in HB-509A. ShDg. wt., 5 lbs . 99 F 32278

Net 19.95

## 23

 Crystal Controlled AM Channels. PLUS
## 46 Crystal Controlled Single Sideband Channels

 (Upper plus Lower Sidebands)
## * Provides 100\% Talk Power

( Crystal Lattice Filter
Provides Far Greater Effective Sensitivity. Rejects Adjacent Channel Interference.



Record 8-Track Cartridges thru your Stereo Amplifier or Receiver, or live with Microphones using the RK-890

## RECORD FEATURES

* Stop after each Channel and Automatic Eject, or

Stop after Channel 1 Thru 4 and Eject

* Sound with Sound Mixing
* Pushbutton Manual Eject
* Pushbutton Fast Forward
* Front Panel Left and Right Channel Microphone Input Jacis
* Record Safety Interlock Button
$\star$ Illuminated Track Indicator Lights
$\star$ Dual Recording VU Level Meter
* Separate Dual Concentric Microphone and Aux. Volume Controls

[^18]
## PLAYBACK FEATURES

* Continuous Play
$\star$ Pre-Select and Play any 1 Channel and Stop and Automatic Eject
* Pushbutton Track Selector
* Illuminated Track Indicator Lighits
$\star$ Pushbutton Fast Forward
* Pushbutton Manual Eject


## EXCLUSIVE FEATURES

* Automatic Cartridge Ejector-insures you do not damage the tape head and your cartridge
* Specially Desiened Built-In Lafayette Solid-State Stereo Record/Playback Pre-Amplifiers
$4^{\text {Tracks continuously and stop, or record each track individually }}$ and stop. Specificatiens: 2 Mike Input, (Sensitivity 1 MV) 2 Aux. input, (Sensitivity 100 MV ) BIAS Freq-: $60 \mathrm{kHz}, A C$ erasing system. Freq. response: 30 Hz to 12 kHz , Wow and Flutter: less than $25 \%$ Channel Separation-more than 40 db , output level 1 volt Max 300MV average. 13 Transistors, 12 diodes, Walnut metal wrap around case. Brush gold anodized aluminum trlm. AC Power Fuse. For 117 VAC 60 Hz . SIze: $12^{\prime \prime} \times 33 / 4^{\prime \prime} \mathrm{H} \times 91 / \mathrm{B}^{\prime D} \mathrm{D}$. Imported.
99 F 15844 W Shpg. wt., 12 lbs . Net 119.95 Microphone for Rk890. Imported. Shpg. wt., 802. 99 F 46302


## LAFAYETTE RADIO ELECTRONICS

Ф11 JERICHO TURNPIKE SYOSSET, L.I., N.Y. 11791

BULK RATE
U.S. Postage

PAID
LAFAYETTE
Radio Electronics

$$
047022017
$$

T BUCKlEy
2931 FAIRHAVEN AVE

$$
\text { ALEXANDRIA VA } 22303
$$


[^0]:    AMPLIFIER: Power Output: 100 watts $\pm 1 \mathrm{db}, 80$ watts 1HF; Frequency Response: SSOld YOS
    
    

[^1]:    A Lafayette quality product that is guarsnteed against defects in material and workmanship for 5 years. If this unit fails to operate due to such defects,

[^2]:    Overall Response: 25 to $20,000 \mathrm{~Hz}$. Speaker Units: 12 " woofer, $5^{\prime \prime}$ mid-range, $3^{\prime \prime}$ tweeter, $14 / 2$ " super-tweeter. Crossover Network: 4-way LC (coll-capacitor) at $800,5,000$ and $10,000 \mathrm{~Hz}$. Enclosure Design: Tube-type ducted port enclosure, fiberglass.filled. Acoustlc Controls: Continuously variable high frequency and mid-range level controls (off to maximum). Nominal Impedance: 8 ohms. Power Handling Capacity: 50 watts.

[^3]:    The dual-cone construction used in this high quality $8^{\prime \prime}$ speaker provides the same type of wide-range response normally found in true coaxial speakers or multiple speaker systems. The woofer and tweeter cones "float" on flexible corrugated edges. This mounting results in true mechanical crossover, so that both cones operate at low frequencles, but only the tweeter cone operates at high frequencies. Patented cone materials provide extremely smooth response over the range of $40-16,000 \mathrm{~Hz}$. Magnets are large and heavy, with a flux density of 10,500 gauss and totat flux of 56,000 maxwells. Free alr resonance is $55-70$ ' Hz ; impedance is 8 ohms, $41 / 2^{\prime \prime}$ deep. Shpg, wt., 4 lbs . Imported. 99 F 00275 W

    Net 9.95

[^4]:    $\qquad$
    
    
    

[^5]:    TD\|ค T28 2-WAY HIGH COMPLIANCE SYSTEM NEW 59 ${ }^{95}$

    Handsome olled wainut cabinet

    - Power 35 Watts Peak
    - 8" Woofer with Free Cone Suspension
    - $2 \times 6^{\prime \prime}$ Compression Tweeter with Die-Cast Diffraction Horn
    Compact, 2-way, high performance system with an 8 " high compllance woofer and a $2 \times 6^{\prime \prime}$ compression tweeter. Continuously variable tweeter level control adjusts speaker's response to acoustics of listening area. Alr fight ducted port cabinet. Power Handling: 35 watts peak. Overall response: $40 \cdot 19,500 \mathrm{~Hz}$. Impedance: 8 ohms. Size: $11 \times 18 \times 9^{\prime \prime}$
    21 F 89009 w Shpg. wt., 22 ibs.
    Net 59.95

[^6]:    Deluxe 3-head four track solld state stereo/mono, record, and playback tape deck featuring sound-on-sound--Multipte recordings may be produced by combining new material with previously recorded material on a separate track. Other desirable features are tape and source monitor swiltches, dual VU record level meters, 4-digit tape counter, pause control, retracto-matic pinch roller, stereo headphone monitor jack, and single function tape control knob. Speclifications: Takes reels up to 7 m .3 Speed- $17 / 3,31 / 4,71 / 2 \mathrm{IPS}$. Freq. res.: 30 to 20,000 Hz@ $71 / 2$ IPS, Wow and flutter $0.12 \%$ @ $71 / 2$ IPS., S $/ N$ ratio 52 db @ $71 / 2$ IPS. Inputs -2 mike ( 600 ohms) 2 Aux. Outputs $\mathrm{-}^{2}$ line 1 headphone. Size: $153 / \mathrm{m}^{\prime \prime} \times 7 \frac{1}{2} \times 13 \mathrm{k} \mathbf{c}^{\circ}$. For 117 VAC, 60 Hz . Imported. Shpg. wt., 30 lbs Ne 179.50
    27 f cossiwx No Money Down*

[^7]:    A fully automatic 4 and 8 -track stereo tape player with exclusive line tuning control and built-in Burglar Alarm. Any attempt by unknown persons to remove a properly installed player will result in setting off the built-in alarm system-continuous horn blowing to scare the world-be thief away. Handsomely styled in black and chrome, this compact unit measures only $27 / 8 \times 7 / 8 \times 8^{\circ}$ and can be easily mounted under the dash of your car with attached universal bracket. Fully automatic no switches or lever to select choice of cartridge. Either 4 or 8 -track cartridge slips in easily and plays instantly. Provides superb tape reproduction. Removal of cartridge automatically switches clayer off. Fine tuning control tunes out undesirable crosstalk in worn of defective 8 -track cartridges by ad-

[^8]:    See Page 132 For Additional Pre-Recorded Stereo Cassette Tapes.

[^9]:    New Orieans-Anthony Armstront J. Jenes Take A Letter Maria, Ruby Don't Take Your Love To Town, Everybody's Talking (Midnight Cowboy), Ore For The Road, and many
     $\qquad$ Net 2.98

    Jeannie C. In Good Company-Jeannit C. Riley/Bonnie Gultar/Dort Helms Leave the Weeping to the Willow Tree. Faded kib. bons, Don't Love Anymore, Neglected, and many more.
    28 F 17088 Supg. 10 oz. $\qquad$ Net 298

[^10]:    Verbalite is a unique, tumeable reverberation system that blends and matches sight with sound. Features a deluxe, solid-state tuneable reverberation amplifier that converts your present car radio or tape player (stereo or mono) into a brilliant sound system providing truly 3-dimensional concert hall reallsm. The Verbalite's panel is illuminated with a myriad of colors. Everchanging, colorful patterns are activated by the beat and frequency range of the music you are listening to. Features controls for adjusting the intensity of the light and the amount of reverberation. Easily mounts under dash of your car by means of adjustable bracket. Includes $6 \times 9^{\circ "}$ dynamic speaker and chrome grifl for rear deck mounting. Specifications: 9 -fransistors and 2 watts peak audio output. For 12 -volt neg. ground systems. Size: $15 / 6 \mathrm{H} \times 8 \times 51 / 4 \mathrm{~m}$ D. Imported. Shpg. wt., $61 / 4 \mathrm{lbs}$. 17 F 74488

    Net 34.95

[^11]:    Drift off to sleep and awaken either to music, morning weather, traffic and news reports, or awaken by alarm. Preset the time once and the RC-7469 turns on automatically everyday at the same time; turns off automatically after one hour of play. For ordinary use there's an Off/On button. Highly stylized clock and radio dials are illuminated for convenient night use. Has buitt-in FM and AM antennas, and earphone jack. For 110.120 V ., $50 / 60 \mathrm{~Hz}$ AC. Size: 5 K , $\mathrm{H} \times 131 / 8$ x 7 K. "D. Imported. Shpg. wt., 4 lbs.

    17 F 31546

[^12]:    - Sec Page 11 fror Full Credit Detaili on Easy Pay Plan

[^13]:    Contains 2 Field Effect Transistors, 2 bipolar transistors, brochure on FET's including a project clicuit and FET Cross-Reference Guide.
    19 F 54668 Shpg. wt., 802
    Net 3.95

[^14]:    
    
    Completely portable.... requiring no ex- Accurate, easily read $6^{\prime \prime}$ meter. Tests for AC ternal power source, tests both low and high power transistors, and has both NPN and PNP sockets. Tests out-of-clicuit transistors for $d-c$ beta from 1 to 1000 , collector-to. base leakage as low as 2 microamperes, and collector-to-emitter leakage from 20 micro-
    amperes to 1 ampere. Special low impedance circuitry assures reliable in-circuit testing. circuitry assures rellable in-circuit testing. Three color-coded test leads are provided. blas test for new enhancement FET's. For 115 With two 1.5 volt batteries. Shpr. wt. 4 lbs,

[^15]:    Depend on Lafayette For Everything in Electronics

[^16]:    2.2 and 5.5 Cu . Ft Models Shipped FOB Mewark, N. J. No C. O.D. Send Full Remittance or Use Lafayette's easy pay plan*. Shipping charges coliected on delivery.
    ${ }^{-}$See Page 11 for Full Credit Details on Easy Pay Plan

[^17]:    Mobile Systems
    Consists of: Lafayette Mini-Mobile Micro-12, 12 Channel Crystai-Control Solid State CB Transceiver; stainiess steel Body Mount Antenna; and 20' RG-58/U Cable Assembly. Shpg. wt., $101 / 2$ lbs.
    42 F 92009WXM Net 84.95
    Same as above except with CB/WM Cowl Mount Antenna. One antenna for both AM broadcast and CB. Shpg. wt., 7 lbs.
    42 F 92017 WXM
    Net 84.95
    Same as above except with Bumper Mount Antenna. Shpg. wt., $101 / 2 \mathrm{lbs}$. 42 F 92025 WXM Net 86.95

[^18]:    Certain to be one of our most excitung new recorders, as well as one of our best sellers of the year. Offers unsurpassed 8 Track cartridge record and playback facilities. You can enjoy hours of listening pleasure from your own pre-recorded stereo cartridges. The RK-890 will become the Ideal companion to your present high fidelity system. Exclusive Automatic Cartridge Ejector will pro. vide years of trouble-free 8 -Track performance-no longer will you damage the heads of your recorder or tie roller of any cartridge by leaving a tape inserted after you have turned the power off. The fast forward feature permits quick selection of tape sections. And, most important, you can automaticallv record

