

# CB

# AMATEUR ELECTRONIC SUPPLY

*1971 Citizens Band Catalog*



✓ LARGE STOCKS  
✓ NAME BRANDS

✓ E-Z TERMS  
✓ FAST SERVICE

✓ BEST DEALS  
✓ TOP TRADES

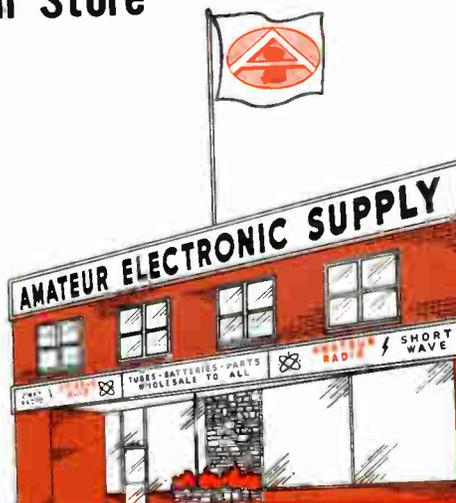


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## AMATEUR ELECTRONIC SUPPLY

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Home of  
"PERSONAL SERVICE"

Courier

SAVE \$10

See BONUS B on page

# New! TRAVELLER II



Now: Illuminated "S" meter

Now: Public Address Capability with volume control



Now: Greater sensitivity

Now: Greater image rejection

Now: Plug-in dynamic mike

More features for the money than any other CB rig—only **\$139.95**

Now the world's smallest 23 channel CB radio gives you even more performance and more features for the money than any other comparable unit on the market. Sleek and sassy all-chrome cabinetry. True compactness. Solid state convenience and dependability. All the great features indicated in the photo above, plus:

**True Automatic IF Noise Blanker**—effectively reduces ignition noise from strong incoming signals.

**Built-In Noise Limiter**—effectively reduces ignition noise during reception of weak signals.

**Full Talk Power**—Designed to give you 100% modulation.

**Instant Operation**—No warm-up! Your Traveller II is ready to receive or transmit wherever you are, whenever you are ready.

**Minimal Battery Drain**—Your Traveller II draws only 0.2 amperes—less than a pilot light!

**Highest Dependability**—Rugged components, top line transistors and space-age printed circuitry assure lengthy and reliable duty life.

**Exclusive "Safety-Circuit"**®—Traveller II is equipped with the exclusive "safety-circuit" which guards against antenna mismatch, incorrect polarity, and overload.

**1 Year Warranty**—Traveller II is warranted for 1 year to original owner subject to terms stated on warranty.

**Optional Model PS-1**—Heavy duty power supply let you use your Traveller II as a base station on 117V AC. **\$29.95**

\*Crystals for all 23 channels included.

## SPECIFICATIONS

### RECEIVER

Frequency Range (MHz) — 26.965 to 27.255

Sensitivity — .5 uv for 10 db at 1000 Hz at 30% modulation

Selectivity—BW at 6 db is 6KHz min. Adj. Channel Rejection — 50 db average

Audio Distortion at 1000 Hz — Less than 10% at 2.5w

Spurious Response — Better than 50 db down

Crossmodulation Rejection — Better than 40 db down

Intermodulation Rejection — Better than 50 db down

Readability—.07 uv at 85% modulation

Squelch Sensitivity — .1 uv

Squelch Stop Sensitivity — 30 uv adj.

Noise Limiter — Series gate

Noise Blanker — True Automatic IF blanking

Audio Output — 2.5W minimum

Hum and Noise — 40 db down from 100% modulation at 1000 Hz

### TRANSMITTER

Frequency Range (MHz) — 26.965 to 27.255

Power Input at 13.8 V DC—5 W maximum

Power Output — 3.0 W minimum

Modulation (10 mv at mic) — 100% @ 1000 Hz

Emission (Class D Operation) — 8A3

Frequency Tolerance — ±.005%

Antenna Match — 50 ohms nominal

Switching — Electronic

Modulation Distortion — Less than 15% at 85% modulation at 1000 Hz

### GENERAL

Dimensions — Width—5¾"; Depth—6¼"; Height—1⅞"; Weight—3.5 lbs.

DC Power Consumption: Receive (standby)—200 ma; Transmit (100% modulation)—1 Ampere

Finish — Chrome and Charcoal Gray

Channels — All crystals supplied

Controls — Vol-On/Off; Squelch/Channel Selector

Microphone—Noise Cancelling dynamic

Transistors—19

Diodes—7

Illuminated "S" meter

## COURIER Priv-A-Call®

This silent sentry monitors any channel you choose. Maintains complete silence until one of your own units goes on the air. Works with any Courier solid-state or business band transceiver. Model EE-2. **\$39.95**



## COURIER Port-A-Pak®

Makes your solid-state Courier TRAVELLER II completely portable! Fully self-contained power-pack. Rechargeable heavy-duty nickel cadmium battery—provides continuous operation in receive position for up to 6 hours. Can be recharged while in standby. Reliable at all temperatures: -30°F to +140°F. Model PAP-1. **\$59.95**



Courier

SAVE \$20

See BONUS D on next page

# New! CLASSIC II



## Features That Make This Mobile Rig Also a Truly Exceptional Base Station!

Now—a revolutionary transceiver with "base station" advantages in a "mobile" type unit. For one thing, the AC power supply is built-in (nothing extra to buy!). For another, you get delta tuning—plus a real big S-meter. And an automatic noise limiter that really works. And to top it all off, exclusive slide controls are standard. These features combined with all other Classic II advantages make this rig a great mobile or base station. All the power you need...all the performance you can use...wrapped up in a rugged, handsome chrome cabinet you'll be proud to put in your car or your home. Solid state design and IC circuits mean instant operation, top-notch reliability and long service life. Check these additional features:

**23 Channel Operation**—Crystals for all 23 channels supplied.

**Auto Noise Limiter**—Effectively reduces ignition noise during reception of weak signals.

**Full Talk Power**—Designed to provide 100% modulation.

**Built-In PA System**—With volume control.

**Instant Operation**—No warm-up! Your Classic II is ready to receive or transmit wherever you are, whenever you are ready.

**Minimal Battery Drain**—Your Classic II draws only 0.2 amperes—less than a pilot light!

**Auxiliary Speaker/Phone Jack**

**Highest Dependability**—Rugged components, IC circuit, silicon transistors and space-age printed circuitry assure lengthy and reliable duty life.

**Exclusive "Safety-Circuit"**—Classic II is equipped with the exclusive "safety-circuit" which guards against antenna mismatch, incorrect polarity, and overload.

**1 Year Warranty**

The Classic II is warranted for one year, subject to terms of warranty.

### SPECIFICATIONS

#### RECEIVER

Frequency Range (MHz)—26.965 to 27.255  
 Sensitivity—.3 uv for 10 db s/n at 1000 Hz at 30% modulation  
 Selectivity—BW at 6KHz minimum at 6 db down  
 Adj. Channel Rejection—45 db average  
 Audio Distortion at 1000 Hz — Less than 10% at 3W  
 Spurious Rejection—50 db  
 Crossmodulation Rejection—Better than 40 db  
 Intermodulation Rejection—Better than 50 db  
 Readability—.07 uv at 85% modulation

#### GENERAL

Transistors—19  
 IC (Integrated Circuit)—1  
 Diodes—13  
 Self-contained speaker—6 1/4" x 2 1/2"—8 ohm voice coil  
 Detachable Noise cancelling Dynamic Microphone with remote switch  
 Illuminated Channel Indicator and Signal strength meter  
 Modulation Indicator  
 50 ohm antenna impedance  
 Operated from a 12V DC supply or 117V 60 Hz AC supply  
 23 Channel selector plus P.A. switch  
 Volume & Squelch controls  
 ON-OFF Power switch  
 Delta Tuning switch  
 Auto Noise Limiter switch  
 External Speaker Jack  
 P.A. Jack  
 Co-axial type antenna connector  
 Under dash mounting bracket  
 Sealed receiver transmitter relay switch

Squelch Sensitivity—.2 uv  
 Squelch Stop Sensitivity—30 uv (adjustable)  
 Noise Limiter—Series gate  
 Hum and Noise—40 db down  
**TRANSMITTER**  
 Frequency Range (MHz)—26.965 to 27.255  
 Power Input at 13.8V DC—5W  
 Power Output at 13.8V DC—3W  
 Modulation (5mV at mic)—100%  
 Emission (Class D Operation)—8A3  
 Frequency Tolerance—.005%  
 Antenna Impedance—50 ohms  
 Switching—Enclosed relay  
 Modulation Distortion—Less than 15% at 85% modulation at 1000 Hz

## \$199.95

12V DC & 117V AC cords and mobile mounting bracket included.

AMATEUR ELECTRONIC SUPPLY will always stock new products as they are brought out, even though they are not shown in our latest Catalog. Prices, specifications and product availability in this Catalog are subject to errors or changes without notice.



# All about our REVOLVING CHARGE PLAN

No more bulky coupon books! Once a month you receive an itemized statement showing your account transactions during that month and the minimum monthly payment required. Payments and purchases made near the billing date will be shown on your next statement.

A service charge of 1½% per month (or a minimum charge of \$1.00) is added to your balance monthly. If you decide to protect your investment by taking the life and property insurance that is available, separate insurance charges are then included in your balance. On outstanding balances in excess of \$1,000.00, the service charge is reduced to 1% of that portion over \$1,000.

**NOTE:** The 1½% monthly service charge is approximately equal to an annual percentage rate of 18%. The 1% service charge on the amount over \$1,000 is approximately equal to an annual percentage rate of 12%.

You control the total service charge you pay on your Revolving Charge Purchase. The total service charge depends upon how fast you pay your account in full. Because service charges are added to your account monthly rather than determined in advance, there is never any complicated refund of unused service charges. . . You just remit the balance shown on your billing, if you wish to pay your account in full.

Amateur Electronic Supply has established this plan for your convenience. All accounting and billing details are handled and provided for us by the General Electric Credit Corporation. For this reason, it is important that you mail your payments to the P. O. Box shown on your monthly statement.

To use our Revolving Charge Plan, an applicant must be at least 21 years of age, be a US citizen, have good credit ratings and regular full-time employment, etc. All Revolving Charge Plan Orders are subject to credit approval.

Normally, only \$10 down is required on orders for new or reconditioned equipment, unless otherwise specified. US citizens living temporarily outside the USA (such as servicemen at APO addresses, etc.) can usually secure approval by making a more substantial down payment of at least 20%. A trade-in cannot act as a down payment. No orders can be processed without that \$10 down to "Seal the Deal".

**IMPORTANT!** Shipping charges cannot be financed. If your Revolving Charge Plan Order is to be shipped via Parcel Post, Air Mail, or United Parcel Service (UPS), in addition to the \$5.00 down payment required, BE SURE to include enough for postage — excess amounts will be promptly refunded. Show the amount you have allowed for postage on line 7 of the order blank. Do not remit for REA, air express or truck shipping charges — they will be collected upon delivery.

The minimum balance that can be financed (after down payment and trade-in) on our Revolving Charge Plan is \$100.00. ADD-ON's of \$50.00 or more can be considered after you have completed at least four monthly payments. Again, the \$10 down payment must be enclosed with all add-on orders, to "Seal the Deal".

A one-time \$1.00 "Official Fees" charge is made on your First contract when you open a Revolving Charge Account. The purpose of this is to help defray some of the expenses of: checking your credit, setting up your account, and the necessary filing fees. Once your account is open, there are no "Official Fees" charges on Add-On orders or Re-Opened accounts that have not been closed for more than six months.

**LOOK** at your low Monthly Payment  
AFTER JUST \$10 DOWN

## REVOLVING CHARGE PAYMENT CALCULATOR

Minimum monthly payment is based on original principal balance to be financed or new balance in the case of add-ons.

<u>Balance</u>	<u>Minimum Monthly Payment</u>
Up to \$300.00	\$10
\$300.01 to 340.00	11
340.01 to 370.00	12
370.01 to 400.00	13
400.01 to 430.00	14
430.01 to 460.00	15
460.01 to 490.00	16
490.01 to 520.00	17
520.01 to 550.00	18
550.01 to 580.00	19
580.01 to 610.00	20
610.01 to 640.00	21
640.01 to 670.00	22
670.01 to 700.00	23
700.01 to 730.00	24
730.01 to 760.00	25
760.01 to 790.00	26
790.01 to 850.00	28
850.01 to 910.00	30
910.01 to 970.00	32
970.01 to 1030.00	34
1030.01 to 1060.00	35
1060.01 to 1220.00	40
1220.01 to 1400.00	45
1400.01 to 1550.00	50
1550.01 to 1700.00	55
1700.01 to 1850.00	60
1850.01 to 2000.00	65
2000.01 to 2150.00	70
2150.01 to 2300.00	75
2300.01 to 2450.00	80
2450.01 to 2800.00	90
2800.01 to 3100.00	100
3100.01 to 4000.00	125

**Minimum initial  
REVOLVING CHARGE  
Order—\$100**

**Minimum Monthly  
Payment—\$10**

**Minimum ADD-ON  
Order—\$50**

**AMATEUR ELECTRONIC SUPPLY**

4828 W. Fond du Lac Ave. Milwaukee, Wis. - 53216 Ph. (414) 442-4200

MILWAUKEE STORE HOURS: Mon & Fri - 9 am to 9 pm - Tues, Wed, Thurs - 9 am to 5:30 pm - Sat - 9 am to 3 pm.



**\$329**

**MIDLAND**  
INTERNATIONAL

## 5 Watt AM • 10 Watt SSB • AC/DC 23 Channel Base-Mobile Transceiver

Dimensions: 13" wide x 5" high x 9-5/8" deep

### Important Features That Make The 13-880 Midland's Finest CB Base-Mobile Unit

- Upper and Lower Single Side Band for complete versatility
- Precise Automatic Digital Clock gives accurate 24 hour time
- 23 Channel Equipped for complete operational range
- Two Separate Transmitters for AM, USB and LSB

**MIDLAND MODEL 13-880** Outstanding features include: Two built-in transmitters, special intermediate noise blanker system, built-in SWR and full metering system, digital clock, and modular design lattice filter sideband generation system. 96 solid state devices in all including 3 F.E.T.'s and one integrated circuit.

The dual transmitter section of the 13-880 operates on all 23 channels in 3 modes . . . AM, Upper Single Sideband (USB) and Lower Single Sideband (LSB). On AM, a special transmitter delivers 5 watts of high-level Class B modulated signal. On USB or LSB, a separate transmitter delivers 10 watts Peak Envelope Power input, the maximum allowed by the FCC.

The 13-880 has an advanced receiver section that gives top performance on all 3 modes. A front end F.E.T. stage minimizes cross talk. 3-stage F.E.T. noise blanking system eliminates noise without affecting incoming signal. Clarity controls for adjusting receiver frequency. Public address switch permits use as a mobile PA amplifier. Jacks for mike, headphone, tape recorder, PA amplifier. Handsome black vinyl-clad metal cabinet with metal die-cast grille. Includes AC cord, 12-volt auto cable, dynamic mike with 5 ft. coiled cord. **\$329.00**

# Regency Imperial II

**\$359**

**SAVE \$30**  
See BONUS F on page 2



The leader features out-front performance with three times as much talk power

- ✚ New, vernier-controlled R/VFO for superior sideband reception.
- ✚ New, improved squelch circuitry
- ✚ Adjustable antenna loading
- ✚ New, switch-controlled noise blanker
- ✚ Built-in product detector for clear reception of suppressed carrier transmissions, DSB or SSB.
- ✚ New, high-level clipping and filtering for modulation control
- ✚ New RF gain control
- ✚ High gain, preamplified microphone, no extra boost needed.
- ✚ All the controls needed
- ✚ New, improved selectivity
- ✚ Large, 4-function "S" meter

## SPECIFICATIONS

The **Regency Imperial II** Transceiver is completely compatible with *all* other citizens radio transceivers AM, DSB or SSB. 117V AC or 12V DC universal power supply. 11½" x 5¼" x 9¾"; Weight: 15 lbs. \$359.00. Optional mounting bracket, \$12.95

### RECEIVER

Double Conversion Superheterodyne.  
 Crystal Controlled—Channels 1 through 23.  
 Sensitivity AM Mode—.5 microvolts or less for 6 DB S+N/N normally.  
 SSB Mode—.15 microvolts or less for 10 DB S+N/N normally.  
 Squelch Sensitivity—adjustable from .1 microvolts to 30 microvolts normally.  
 R/VFO tuning range—continuously adjustable ± 3.5 KC normally.  
 Primary image rejection—more than 90 DB down.  
 Secondary image rejection—more than 70 DB down.  
 Spurious responses—more than 70 DB down.  
 1st and 2nd IF rejection—more than 80 DB down.  
 Noise limiter or ANL automatically controlled series gate AM only.  
 Noise blanker for reduction of impulse or ignition noise, AM, DSB, or SSB.  
 Audio output—maximum usable power output—9 watts normally.  
 Selectivity—± 1.8 KC at 6DB, ± 6.5 KC at 60 DB typically.  
 "S" Meter—S9 typically 50-100 microvolts.  
 Product detector for sideband and exalted carrier reception.  
 Upper and Lower sideband selector switch.  
 RF Gain control—reduces overloading on strong local signals.

### TRANSMITTER

Crystal controlled—channel 1 through 23—no extras required.  
 Modulation AM—High level plate with reduced carrier for extra punch.  
 DSB—Suppressed carrier balanced modulator—carrier down 30 DB.  
 Modulation Limiting—Uses High-Level Clipping and Filtering.  
 Microphone—hand held Hi Z Ceramic.  
 Output coupling—"Pi-L" network for 30 to 75 ohm loads.  
 Harmonics and Spurious Output—attenuated 55 DB or more.  
 Carrier Frequency Accuracy—± .0035% target value.  
 Power requirement—80 to 90 watts, 117 V AC or 12V DC.  
 Size 11½" x 5¼" x 9¾" Weight—15 lbs.  
 Mobile Mounting Bracket (available from your dealer)—tilts in any angle for mounting.

**Regency ELECTRONICS, INC.**

# Golden Eagle Mark II by Browning



## Golden Eagle Mark II AM Transmitter \$235

### TRANSMITTER SPECIFICATIONS

Power Output - 3.5 Watts (4.0 Watts if F.C.C. proposals are adopted).  
 Modulation capability: 100% at average speaking level. Hum and noise on carrier 50 db down from 30% modulation.  
 Harmonic Suppression: Down 55 db exceeds F.C.C. Regulations.  
 Antenna Matching: Pi network matches 50 to 75 ohms.  
 Frequency Tolerance: Plus or minus .003% - (F.C.C. requirement .005%).  
 Power Consumption: 80 Watts @ 117 V .  
 Tubes: 5 (2 dual purpose).  
 Dimensions: Height 7 1/8" width 8 7/8" depth 9 3/4".  
 Shipping Weight: 19 pounds.

### FEATURES: GOLDEN EAGLE MARK II TRANSMITTER

- New Antenna Changeover Switch.
- Aircraft type miniature plug in crystals and switch assembly.
- Large horizontal meter reads modulation, forward and reflected power.
- 4 Watt paging system with independent front panel volume control.
- Rear illuminated selector dial, easier to read.
- Clipper filter for higher average percent modulation without splatter.
- Crystal microphone made to Browning Specifications.
- Frequency spot function with tone indicator.
- Neon spot indicator.
- Plus the ability to really "get out".

## Golden Eagle Mark II AM/SSB/DSB Receiver \$260

### RECEIVER SPECIFICATIONS

Sensitivity: 0.2 uv for 10 db N-D S-N-D  
 Selectivity: Adjacent channel rejection 80 db.  
 Audio Output: 4 Watts.  
 Tuning Range: 26.965 to 27.275 mHz  
 27.360 to 27.670 mHz  
 Power Requirements: 117V AC 50-60 CPS 85 Watts.  
 Height 7 1/8" x width 15 1/2" x depth 9 3/4".  
 Shipping Weight: 22 pounds.  
 12 Tube - (4 dual purpose) - 4 diodes.

### FEATURES - GOLDEN EAGLE MARK II RECEIVER

- New Double Conversion Circuitry.
- New R.F. - I.F. Gain Control.
- New B.F.O. and product detector for S.B. reception.
- New On-Air Light.
- Collins Mechanical Filter gives 80 db adjacent channel rejection.
- Fine Tuning Control for use on A.M. and S.B.
- 3 Position slide switch controls speaker output.
- 14 Tuned Circuits including 8 permeability tuned transformer circuits.
- A.G.C. On-Off Switch.
- Noise limiter On-Off Switch.
- Large Jeweled movement S meter
- Cascode nuvistor front end.
- Channel Lock for fixed tuned receiving.
- Tuning dial covers 23 C.B. plus 5 B.B. Frequencies on one scale 26.965 to 27.275 mHz.
- Second scale covers 8 B.B. plus Industrial and Government Frequencies 27.360 to 27.670 mHz.



The X-100 Transadaptor, shown above, is a Switching Box which should be used if BOTH a Browning AM Transmitter and a Browning SSB-15 Single Sideband Transmitter are to be used with one Browning MK II Receiver. This box eliminates changing all the control cables each time a different transmitter is to be used. Also has 2 position antenna switch \$48.75

## Browning Linear Amplifiers

The Browning Business Band Linears shown here operate from 25 to 40MHz in AM, SSB, DSB or FM transmitting modes. (Illegal to use on the 27MHz Citizens Band in USA). Two grounded-grid 6JG6A output tubes provide up to 180 watts of PEP input power and approximately 60 watts of output power for the Base linear - and 50 watts out for the Mobile linear. Will operate with 1-15 watts of RF drive. Cabinets match other Browning equipment. The mobile linear is supplied with brackets.



Model 180 110vac Base Linear \$99.00



Model 170 12vdc Mobile Linear \$119.00

# SSB-15 Single Sideband Transmitter

by Browning \$345.00

## 8 STEP CRYSTAL LATTICE FILTER

Custom engineered to provide up to 80db rejection of the unused portion of the conventional CB channel to develop maximum voice power.

## PLATE/RF SWITCH

This switch enables direct readout and measurement of final plate current and power.

## 46 FREQUENCIES

The SSB-15 permits transmission on either the upper or lower sideband of each channel giving 46 different frequencies.

## SPOT SWITCH

Enables quick and efficient correlation of your transmit frequency to your Golden Eagle Mark II receiver, and checks other stations' frequency.

## PLUG-IN COMPATIBILITY

Designed to complement our Golden Eagle Mark II receiver. Just plug in the SSB-15 and you're "on the air".

## PURE SINGLE SIDEBAND

This mode of transmission has more than 8 times the effective power of less efficient AM and over 4 times the effective power of DSB (Double Sideband).

## 15 WATT INPUT PEP (Peak Envelope Power)

The ultimate legal power for Citizens Band operation offers greater range and dependability.

## VARIABLE FREQUENCY OSCILLATOR

The exclusive VFO allows you to shift your transmit frequency as much as 700 Hz up or down without changing your receiver frequency.

## 27 CRYSTALS ± .002% TOLERANCE

Provides unexcelled stability which is a critical factor in precision single sideband operation.

## TUNE SWITCH

Peaks your transmitter in less than 10 seconds using built-in tone generator.

**X-100 Junction Network** - Permits convenience in operating any combination of Browning's three base station transmitters with the famous Golden Eagle Mark II Receiver. \$48.75

The SSB-15 is a Single Sideband transmitter ONLY and is designed to work with the Browning R-69 Golden Eagle Mk II Receiver. It does not transmit on AM Supplied with mike



The SSB-15 is designed to function with the Golden Eagle Mark II receiver, as are all Browning transmitters. There are no wiring changes or involved technical instructions - the SSB-15 simply is plugged in and you are on the air. Not only can you communicate with all Single Sideband stations but you can also talk to the less effective Double Sideband stations! Single Sideband has been used extensively by the U.S. military, NASA, amateur radio operators, and many other types of communications systems for a number of years. Now for the first time Browning makes this ultimate method of communications available to the CB industry.

The Browning SSB-15 single sideband transmitter gives performance and versatility that no serious CB operator can do without. The SSB-15 is a true single sideband transmitter which permits transmission on either the upper or lower sideband of a selected channel. This enables the CB operator to have at his fingertips 46 different frequencies. The SSB-15 literally cuts the CB channel congestion in half! Single sideband does not utilize the transmitted carrier as a standard AM system does, but actually eliminates it getting greatly increased power by modulating either of the two sidebands. The effective signal of the SSB-15 is a full 8 times the power output of a standard AM transmitter. Single Sideband also does not create annoying heterodynes, so interference from "skip" is reduced. Using Single Sideband requires extremely accurate and stable frequency control which is engineered into the SSB-15. All crystals have a critical tolerance of  $\pm .002$  which exceeds the FCC requirements by 240%. As important as frequency accuracy is the ability to vary the transmitted frequency slightly so that you will be able to communicate effectively with others. The SSB-15's exclusive variable frequency oscillator (VFO) control allows the frequency to be varied plus or minus 700 Hz yet still remain within the FCC limits. This control is actually calibrated in Hz so you can tell your operating frequency at a glance. This is very important since it enables you to tune your transmitter to the exact receiver frequency of the other station.

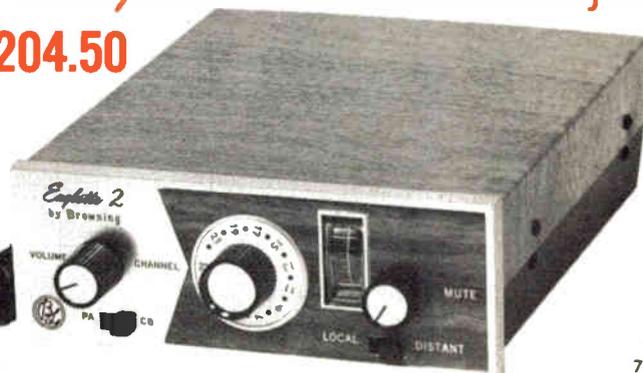
The BROWNING EAGLETTE "2" is one of the finest 23-channel mobile units on the market today. Smart styling and quality workmanship combine to please the most discriminating owner. Owners advise it has the finest "ears" of any mobile unit available today. A volume control is now provided for the PA system. A plug-in microphone is standard. Check the following features:

- Illuminated Channel Selector
- A noise limiter that really works
- Sturdy metal case
- Locking type mounting bracket
- All silicon transistors
- 20 Transistors—14 Diodes
- Glass fibre circuit board
- A Browning Warranty
- Illuminated S-Meter
- Squelch Control
- 3.25 Watts Public Address with separate speaker jack
- Separate speaker jack for external speaker
- Local, Distance Switch
- Size 2.6" H x 6.9" W x 8.4" D



Eaglette II by Browning

\$204.50



# FAMOUS COURIER CITIZENS BAND EQUIPMENT

**SAVE \$10 – See BONUS B**

**THE COURIER CLIPPER 23** is a 5 watt Hand Held CB transceiver complete with crystal for ALL 23 channels. The receiver is a dual conversion super heterodyne with a ceramic filter for good selectivity. 19 transistors, 4 diodes, 2 varistors and 2 thermistors. 100% modulation. Variable squeich. On/off noise limiter. Full set of jacks for: public address, external earphone/speaker, antenna, microphone and power. RF output/battery check meter. Supplied with leather carrying case. 3-3/8" w, 11-1/8" l, 2-1/2" d. 4-3/4 lbs. .... **\$149.95**

**CLIPPER 23 ACCESSORIES**

- CHB-5 AC supply/charger ..... \$ 26.95
- AUC-1 Cigarette-lighter cord ..... 7.15
- EBP-1 Portable Battery Pack ..... 10.50
- RB-10 10 Nicad batteries for above ... 21.95
- EAC-2 External antenna cord adaptor... 5.95



**SAVE \$10**

See BONUS B on page 2



**COURIER TRAVELLER II** is a 23 channel 12vdc Solid State mobile Citizens Band transceiver. All 23 channels. Illuminated "S" meter and plug-in dynamic noise-cancelling microphone. Full Talk Power gives 100% modulation to help pierce skip. Built-in noise limiter and automatic I.F. noise blanker combine to effectively reduce ignition and other types of noise under all receiving conditions. "Safety-Circuit" to protect against antenna mis-match, incorrect polarity, and overload. Public address capability WITH volume control. Mobile mounting bracket supplied. 5 1/4" w 6 1/4" d 1 1/2" h - 3 1/2 pounds (Bonus B) ..... **\$139.95**

**SAVE \$20**

See BONUS D on page 2



**COURIER CLASSIC II** is a 12VDC Solid State, 23 Channel AM Mobile Citizen transceiver with a BUILT-IN 110VAC supply so that it can also be used as a base station. Has Space Age Slide Controls. Illuminated "S" Meter. Modulation indicator lite. Paging capability WITH adjustable volume control. Aux. speaker/phone jack. Delta Tuning enables you to tune in stations that are slightly off frequency. Full "Skip Piercing" 100% modulation. Plug-in Noise Cancelling Dynamic Microphone. Built-in Noise Limiter and I.F. Noise Blanker combine to reduce ignition and other types of noise under all receiving conditions. Exclusive "Safety Circuit" guards antenna mismatch, incorrect polarity, and overload. Built-in TVI suppression trap. Large 6-1/4" x 2-1/2" speaker. Supplied with both 12VDC and 110VAC power cords and mobile mounting bracket. .... **\$199.95**



**SAVE \$20 – See BONUS D on page 2**

**COURIER RANGER 23** is a 23-channel, 110vac AM CB transceiver for Base Station use. This improved rugged TUBE-type rig, with it's hefty all hand-wired chassis, replaces the popular Courier 23, and it's made in the USA. In order to pull in all channels as Loud and as Clear as possible, the Dual-Conversion Receiver features a Cascade Front-end for greater sensitivity, and a Nuvistor Mixer for improved signal-to-noise ratios. The receiver also features circuitry that helps dampen and filter out the noise you don't want to hear. A 3kc band spread adjustment is provided, so that you can zero-in on stations slightly off frequency. Noise Limiter. Floating gate squelch control. Headset/auxilliary speaker jack. 3.4 watts of audio. A modulation indicator light is provided. Plus the famous Courier Modulation Sampler Circuit, which electronically takes a weak voice and makes it strong - thus helping to insure 100% modulation. Built-in full-time "Range Expand"! Pi-network in transmitter output circuitry, provides a full 5 watts input power and approximately 3.5 watts of RF to the antenna. A clean blue-textured cabinet blends perfectly with the two-tone stainless steel front panel. Approximate dimensions: 5" high, 12 1/2" wide, 7 1/4" deep. Supplied with noise-cancelling mike. A great value for only. .... **\$199.00**

TPS-3 12-volt DC supply for Ranger 23. .... 29.95



**SAVE \$25 – See BONUS E on page 2**

The **COURIER 23 PLUS** is similar to the Ranger 23 described above, except that it has a built-in combination 110VAC and 12VDC supply. .... **\$239.00**

**SAVE \$30**

See BONUS F on page 2



**COURIER ROYALE** - Hefty chassis with tubes (including a Nuvistor) and over-powered transformer - All 23 channels, with all crystals supplied - Collins filter, cascade front end, adjustable noise limiter for selectivity, sensitivity, and quietness - Range-Expander and Speech Compressor - Receive & Transmit indicators - Bandspread - Meter reads Relative RF Power out, incoming signal strength, and percent of modulation - PA - Sensitivity and Tone Controls - Cabinet is anodized aluminum - 12-5/8" W x 5-1/8" H x 8" D - 117vac & 12vdc - Supplied with noise cancelling mike and mobile mounting bracket. .... **\$279.00**

## PORT-A-LAB

\$49.95



## PORT-A-PAK

\$59.95

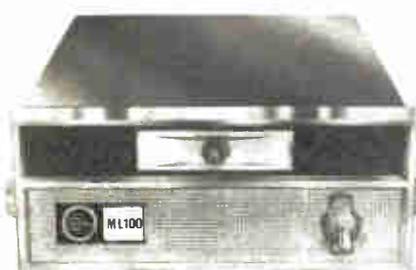


**COURIER PAP-I Port-a-Pak** Makes your TR-5 or Traveller completely portable. Provides continuous operation in receive position for up to 6 hours. Complete with case, rechargeable battery, battery meter, charging connector, mounting hardware, microphone bracket, shoulder strap, and antenna..... \$ 59.95

**COURIER CP-I** For charging Port-A-Pak batteries..... 12.95

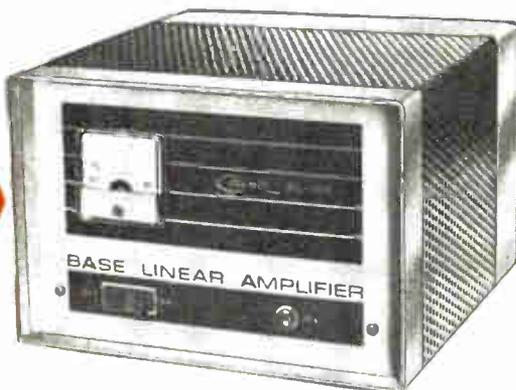
**COURIER PS-I** 110vac base station power supply for TR-5, Traveller, or Classic. May also be used to recharge Port-a-Pak battery..... \$ 29.95

**COURIER PORT-A-LAB** is the answer to your RF measurement questions. Check the following in either Base or Field locations: Standing wave ratio; RF power (true) to 50 watts; Modulation percentage; Modulation distortion by monitor; Relative field strength. Built-in dummy load. Complete with collapsible antenna. Simple to operate—all functions at the flip of a switch!..... **\$49.95**



**BOOST  
Mobile  
POWER**

**COURIER ML-100** 12vdc Mobile Linear Amplifier. UP TO 100 watts input, 60 watts output and 200 watts PEP. Designed to operate with low power 2-way communications equipment in the 25-54Mc band. Principally designed for remote operation with completely automatic switching of the antenna for transmit-receive. Provides a powerful boost to your existing transmitting equipment. (Not legal for use on the Citizens Band in the U.S.) Measures a compact 6½"W x 8½"D x 2½"H. Complete with bracket and 12vdc cord..... \$ 99.00



**BOOST  
Base  
POWER**

**COURIER BL-100 BASE LINEAR AMPLIFIER** is for use with any AM, FM, DSB, or SSB Business-band transceiver in the 25 to 54 MHz range. (Illegal for use with 27 MHz citizens band equipment in the USA.) Automatic transmit-receive switching. Easy to peak up with "Meter Tuning" indicator. Operates with as little as 1 watt of drive. 200 watts P.E.P. input with approximately 50 to 60 watts of RF output. No internal connections required. 7-3/8" w, 7-3/4" d, 5" h. 10 lbs. **\$129.00**

Amphenol 581-583 3' jumper cable..... 2.70

## Courier hand-held CB transceiver

Model **CWT-50**

5 WATTS

6 CHANNELS

Only **\$99.95**

**SAVE  
\$10**  
See **BONUS B** on page 2



The Rolls-Royce of hand-held CB transceivers. This superbly designed, finely crafted professional instrument out-performs any unit on the market. Its rugged, fully weatherproof construction permits its use anywhere, stands up under the most punishing service.

5-watt-power—the maximum permitted by FCC regulations. Switchable, crystal-controlled 6-channel operation (crystals supplied for Channel 9). 3 advanced Integrated Circuits with 15 transistors. Special antenna with power-boost loading coil. Diecast metal enclosure with separate mike and speaker.

Other features: variable squelch... battery-indicator and RF-power meter... automatic noise limiter... strong-signal limiter... range booster... P. A. facility.

External jacks with weatherproof, unlosable caps—for earphone, external antenna, external microphone, external speaker. Jacks for AC adaptor and recharging. The CWT-50 converts to base station service with an optional AC power supply/charger.

10½"H x 2¼"W x 2¾"D. Weight: 2¼ lbs.

Earphone, hand strap and shoulder strap included.

### ACCESSORIES FOR CWT-50

VC-2 Carrying Case with belt clip..... \$ 5.25  
AUC-1 Cigarette lighter adaptor cord..... 7.15  
EAC-1 External antenna adaptor cord..... 5.25  
RB-12 12 rechargeable ni-cad batteries..... 26.95  
CHB-4 AC supply/charger for RB-12..... 26.95  
Crystals (ch. 9 supplied) specify channels.. per pr. 4.00



Use  
FCC  
form 400  
to  
apply  
for  
a  
Business  
Band  
License

**COURIER 30B PLUS** is a 30-WATT (input) 6-channel 110vac tube-type Business Band AM transceiver, designed to operate on Business Band frequencies that are near or in between the regular CB channels. (Illegal for use on CB channels in USA) Supplied with crystals for 27.275MHz. The receiver is dual-conversion and has a band spread control. Dimensions: 4¼"h, 8¼"w, 11"d..... \$259.00

Crystals for 30B Plus (specify frequency)..... per pair 10.00  
TPS-2 12vdc supply for 30B Plus..... 29.95

**COURIER TRADESMAN** (not pictured) is a 5-watt input, 5-channel, 12vdc Solid State 26 to 30MHz AM Business Band mobile transceiver. 5¼"w, 6¼"d, 2"h. Supplied with crystals for 27.275MHz, microphone and mobile mounting bracket..... \$129.00

### BUSINESS BAND (AM) FREQUENCY REFERENCE DATA

Channel Frequency	Service Eligibility	Class of Station	Use	Limitations	Maximum Power Input (watts)
26.620	Civil Air Patrol	Government	Govt.	Government	5
26.965	Citizen Band	"D"	Business	Licensed for	
27.255			A3 Only	Mobile Only	
27.235	Power, Forestry, Picture, Press, Manufacturing, Tel. Maintenance	Base or Mobile	"Shared"	Band width 8 KHz maximum	30
27.245					
27.255					
27.265					
27.275					
27.39	Business Radio	Base or Mobile	"General"	None	500
27.41					
27.43	Business Radio	Base or Mobile	"Permanent"	Operation to be in specified permanent area.	180
27.45					
27.47					
27.49	Business Radio	Base or Mobile	"Itinerant"	For use in temporary locations only.	180



DEMCO

**\$495.00**

# SUPER *Satellite*

THE ULTIMATE IN CB BASE STATIONS

**SAVE \$50**

**(See BONUS H on page 2)**

## Demco SUPER SATELITE Specifications:

### TRANSMITTER

Channels (crystal controlled).....23  
 Frequency Range.....26.695-27.255 mc  
 Emission .....8A3  
 Frequency  
 Tolerance.....better than .005%  
 RF Input .....5 watts  
 Output Impedance .....50 ohms  
 Modulation .....99%  
 Power Supply .....117V AC  
 (also 12V DC with optional transistor  
 power oscillator)

### TRANSMITTER TUBE COMPLEMENT

Syn Mixer, 37.5 mc and 4.5  
 mc Oscillators .....6EA8  
 1st Mixer & Syn Buffer .....6EA8  
 Buffer Amp. and C.A.P. Oscillator...6AU8  
 RF Amp. Output-27 mc.....6BQ5  
 Mic. Pre-amp. and Audio Driver...12AT7  
 Audio Modulator .....6BQ5  
 Size: 13 3/4" W x 9" D x 6 3/4" H

### RECEIVER

Channels (crystal controlled or  
 variable) .....23  
 Frequency Range...25.695-27.255 mc  
 Sensitivity .....0.4 uv for 10 db s/n

### Selectivity (adjacent-channel

rejection) .....93 db  
 Audio Output (4 ohm for  
 2 speakers) .....3.5 watts  
 Antenna Input .....50 ohms  
 Squelch .....0.3 uv to open  
 Power Supply .....117V AC  
 (also 12V DC with optional transistor  
 power oscillator)

### RECEIVER TUBE COMPLEMENT

1st RF Amp (27 mc)...Nu-Vistor 6CW4  
 2nd RF Amp (27 mc)...Nu-Vistor 6CW4  
 1st Mixer & Squelch and  
 1st IF Amp (6 mc).....6EA8  
 2nd Mixer & Osc.....6EA8  
 1st IF (455 KC) .....12BA6  
 2nd IF (455 KC) .....12BA6  
 Detector and Noise Limiter.....6AL5  
 AF Amp and Compressor.....6AU6  
 Audio Output & Squelch .....6GW8  
 Size: 13 3/4" W x 9" D x 6 3/4" H

### FINISH

Metal cases with black wrinkle finish.  
 Chrome face plates and speaker grille;  
 black enamel control panels.

If you have been looking for super sophistication in a 23-channel CB base station...this is it! Superlative performance, with more features than anyone has ever seen! How many other radios offer an "instant-on" switch position, or the option to change from ground plane to beam antenna at the flick of a finger, or voice tone-control, or any of the other two dozen great features listed at right? Truly, this Demco Satellite is a radio for those who want nothing but the best in CB performance. Complete with crystals, cables, instruction book and warranty

With built-in Power Modulator-Speaker Console, less microphone .....\$495.00

Recommended microphone: Astatic D-104 and UG8 Push to Talk Stand — with connector wired .....\$39.95

## Demco SUPER SATELITE Features:

### TRANSMITTER

**Three-Position Power Switch**—special "instant-on" position provides 3 times longer tube life...no warm-up required. **Three-Position Transmission Selector Switch**—permits lock-in of channels for one-dial crystal operation of transmitter and receiver, two-dial operation (crystal transmission, variable receive), and optional C.A.P. frequency. **Antenna Selector Switch**—for alternate use of beam or ground plane antennas. Also has internal load position (50 ohms) for checking transmitter power output. Mode lights indicate switch position. Co-axial connectors on rear panel for both types of antennas. C.A.P. Oscillator—built-in provision for use of optional Civil Air Patrol frequency (26.620 mc) converter. **R.F./Modulation Switch**—rocker switch permits alternate metering of R.F. transmission wattage and modulation. **Pi Tuning**—accessible from front panel. **Foot Switch Connector**—built-in plug for use of optional foot switch. **Voice Tone Control**—control on rear panel of transmitter permits adjustment of modulation tone. **Microphone Selector Switch**—permits use of either high or low impedance microphone. **Illuminated Dials and Meters**—for accurate, easy operation. **Sealed Relay Switch**—plug-in sealed relay switch eliminates dust problem. **Dual Power Supply**—operates on 117V AC or on 12V DC with optional transistor power oscillator.

### RECEIVER

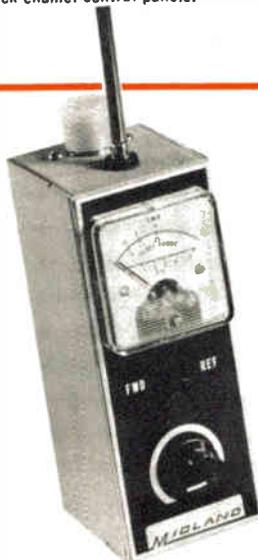
**Double Nu-Vistor Amplification**—produces extremely high gain with low level noise. **Dual Conversion**—provides exceptional primary image rejection of approx. 60 db. (1st IF, 6mc; 2nd IF, 455 mc). **Delta Tuning**—full 3 KC range permits off frequency tuning of crystal receiving. **Audio Compressor**—prevents overloading caused by a strong local audio signal. **Auto/Manual A.N.L.**—switch permits manual cutoff of automatic noise limiter. **Voice Tone Control**—permits adjustment for most pleasing tone of received signal. **Vernier Tuning**—provides 6 to 1 tuning ratio. **Mode Lights**—front panel AC power "on" light, Transmit and Receive lights. Crystal and Variable lights. **Speaker/Phone Switch**—rocker switch in front panel permits use of either ear-phones or speaker. **Auxiliary Speaker Jack**—provision on rear panel for twin speaker operation.

### SPEAKERS

**Standard Speaker Console**—has 3" x 5" P.M. speaker, 6.8 ounce ceramic magnet, 3.2 ohms. Size: 8 1/4" W x 9" D x 6 3/4" H. **Optional Auxiliary Speaker Console**—same as above for twin speaker operation. **Speaker/Power Modulator Combination**—built into standard speaker console with controls and mode lights on front panel.



**MISCO MS-3BB**  
 4" Mobile Speaker  
 \$6.95



**Midland 23-126**  
 Field Strength & SWR  
 Meter—\$9.95

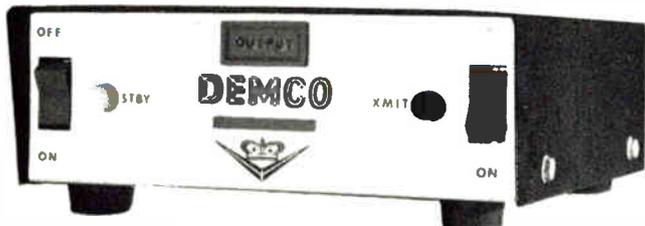


**Midland 21-402**  
 5" Paging Speaker  
 \$6.95



**GOLD LINE GLC-1046** Antenna Matching Network stops power loss due to high SWR. A perfect SWR is 1.1 to 1. If your SWR is 1.5 to 1 you're losing up to 20% of your transmitting power. If your SWR is 2.1 you're losing 30% of your power. Simply insert the GLC-1046 Antenna Matching Network between the transmitter and the antenna lead-in with a SWR meter and tune for minimum SWR.....\$9.98

## "Demon" Mobile 50 Amplifier



DEMCO "Demon" Mobile 50 Linear Amplifier for 10 & 11 meters provides 50 watts power output with 3-1/2 watts drive. Uses two 6JE6C's for maximum plate dissipation and reliability. Utilizes low-pass input filter. Simplified controlled loading (one adjustment). Has standby and automatic keying. Includes chrome plated mounting bracket. W 6-1/4" X H 2-1/2" X D 9". (Illegal for use on 11 meters in USA.) . . . . . \$119.95

## "Demon" Base 50 Amplifier



DEMCO "Demon" Base 50 Amplifier for 10 & 11 Meters provides 50 watts of power output with 3 1/2 watts drive. Uses two 6JE6C's for maximum plate dissipation and reliability. Utilizes low-pass input filter. Simplified controlled loading - one adjustment. 9-3/8" wide x 3-3/5" high x 9-1/4" deep. (Illegal for use on 11 Meters in USA)..... \$99.95

## CB Tester "Band-alyzer"



DEMCO "Band-alyzer" CB Tester lets you know how your unit is functioning. Usable on base or mobile. Measures standing wave ratio, measures power output to 1000 watts, indicates modulation percentage, measures relative field strength and checks crystal activity. Size: W 6" X H 4-1/2" X D 5-1/4". . . . . \$59.95

## "Wave-alyzer"



DEMCO "Wave-alyzer" matches your antenna to any Transceiver to get maximum output and modulation. Measures standing wave, measures power output, to 100 watts (in line), indicates modulation, has beam and ground plane antenna switching, reduces harmonics and T.V.I. Size: W 8-3/8 X H 4-1/2 X D 7-3/8 . . . . . \$54.95

## Power Modulator

The DEMCO Power Modulator is an audio compressor amplifier which more than doubles your talk power without increasing the wattage output of your transmitter. No internal connections are required - merely plug into your transmitter microphone socket, plug your microphone into the power modulator and your signal immediately becomes more than twice as readable. 115 vac and 12 vdc operation. (dc cord extra) Size: W 7-1/4" x H 2-5/8" x D 7". . . . . \$49.50

Optional 12 vdc cord for above . . . . . \$ 3.00



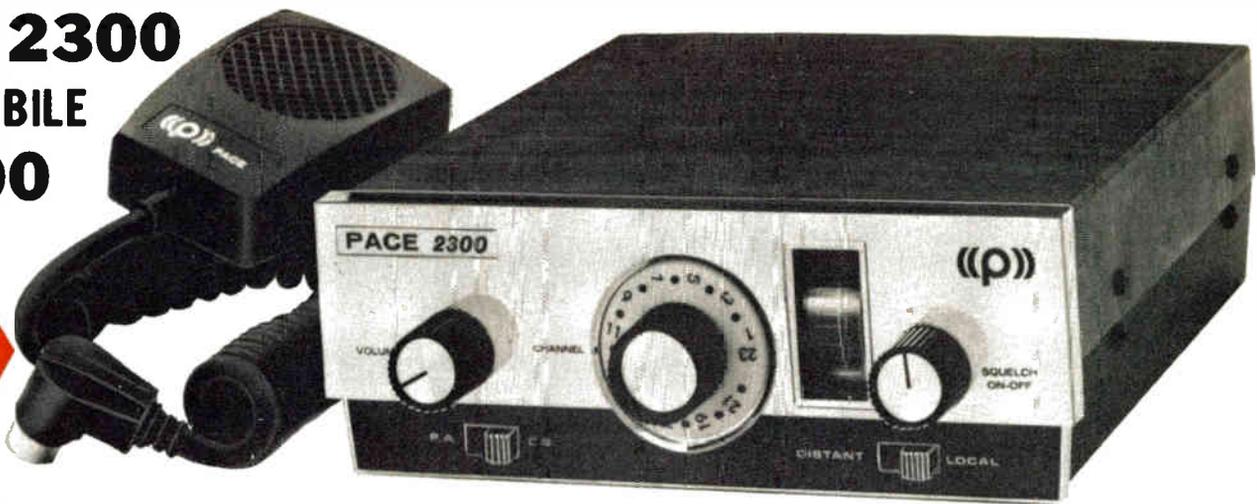
# PACE 2300

## 12 V MOBILE

### \$200

**SAVE \$20**

see Bonus D on Page 2



### FEATURES OF THE PACE 2300

- Full diode protection for reliable operation under adverse conditions
- All silicon transistor design for dependable operation in all temperature extremes
- Glass fiber circuit boards with lifetime guarantee
- PACE exclusive hook and solder process for rugged performance under heavy vibration
- Full process quality control report with every set
- Heavy silicon diamond output transistor for top transmit performance
- Free one-year replacement guarantee on all parts
- New locking latch rack
- Shaped audio response with 6 sectioned tuned IF filter for best receiver performance
- Cascaded amplified AGC system provides constant audio output consistent with lowest noise interference
- Public address and loud hailer facility with front panel control and separate speaker jacks
- Full size accurately calibrated "S" Meter indicates received signal strength and simplifies squelch setting
- Sensitivity adjustable at front panel to provide optimized performance under local or distant operating conditions

### TECHNICAL SPECIFICATIONS

- Size: 6 3/4" x 2 1/2" x 8 1/2"
- Weight: 4 1/2 lbs.
- Finish: Wood grain covered metal enclosure, chrome Cylolac face dress
- Design: 22 silicon transistors with complete diode protection system
- Frequency: All 23 citizen channels provided
- "S" Meter: Back lighted edgewise meter; adjustable sensitivity
- Public Address: Front panel control, separate rear speaker jack
- Microphone: Hi impedance ceramic with shaped communication curve response
- Private Call System: PACE 5900 Private Calling System plugs directly into accessory socket
- Power Source: 12 volts DC negative ground
- Receiver: Double conversion superheterodyne
- Noise Limiter: Hi impedance series gate, tapered clipping level
- Squelch Control: Threshold sensitivity less than .25  $\mu$ V maximum squelch stop 15  $\mu$ V adjustable
- Sensitivity: 0.25  $\mu$ V @ 6db  $\frac{S+N}{N}$
- Selectivity: 50 DB min. adj. channel rejection
- AGC: Audio output within 10 DB from 0.4 to 100,000  $\mu$ V
- Overload Point: Above 500,000  $\mu$ V signal
- Transmitter: 5.0 watts input. Typically 4 watts output @ 13.8 V DC
- Modulation: 100% capability
- External Speaker: Separate jack, disconnects internal speaker automatically



**ASTRO ELECTRONICS MACH 100** 10/11 Meter 50 Watt Linear has a single grounded-grid 6LQ6 final tube. AM/SSB switch. Transistorized keying requires only 1/2 watt of excitation. Ideal size for mobile use! DC model comes with Transistorized Power Supply and heavy duty mobile mounting brackets. Approximate dimensions: 3"h, 8"w, 9"d 6 pounds (Illegal for use on 11 Meters in USA.)

MACH 100 - AC 110 volt Base Linear..... \$89.95  
 MACH 100 - DC 12 volt Mobile Linear ..... 99.95  
 3 foot Jumper Cable ..... 3.95

**MACH 100P** is a SPECIAL mobile linear same as above but for cars and trucks with POSITIVE GROUND battery systems. This condition exists in a few older American made cars but more frequently in foreign vehicles..... \$109.95

**Astro** Electronics



**ASTRO ELECTRONICS SW-2D** Antenna Switch is UP-TO-DATE! With this 2-position antenna switch, the connectors come out the back for a much neater installation. Modern low profile design. 3"h, 5 3/4" w, 3 1/2" d..... \$ 7.95

**SAVE \$30 - See BONUS F on page 2**



## PACE BASE STATION - \$330

For the first time, here is a base station complete in itself . . . does not require any bothersome separate equipment or accessories. Included in one handsomely designed compact unit: A built-in Standing Wave Ratio meter that lets you adjust for the best antenna-transmitter match. A power meter that tells you the true power output of your transmitter in watts. Plus a sensitive S meter and variable output control microphone. *Engineered with the engineer in mind!*

After an enviable history of producing top-quality multi-channel mobile CB equipment, Pace Communications Corp. is proud to announce the PACE BASE STATION . . . the first 23 channel, solid state base station on the market. This unit is more than just a professional quality all transistor transceiver. With its elegant wood grained cabinet and neat appearance, it's a beautiful piece of furniture as well.

### FEATURES OF THE PACE BASE STATION

All silicon transistor design for dependable operation at all temperature extremes.

Glass fiber circuit boards with lifetime guarantee.

21 diodes, 4 zener diodes. Heavy silicon diamond base output transistor for top transmitter performance.

Shaped audio response with 6 section tuned IF filter for best receiver performance.

Cascaded amplified AGC system provides essentially constant audio output.

Built-in VSWR bridge and meter for perfect matching to antenna.

Built-in RF wattmeter tells how much actual power you are transmitting.

Back-lighted channel selector . . . clear, bright indication of channel in use.

Electronically regulated power supply; if line voltage drops, transmission does not decrease.

Type accepted, part 95, FCC rules and regulations.

TRANSMIT light, indicates when transmitter is in use.

Power meter lights up red when reading actual power.

Light on S-meter indicates when it is calibrated. (When RF sensitivity is set at maximum, light comes on behind S-meter, indicating 9 S-units=150  $\mu$ V signal strength.)

### TECHNICAL SPECIFICATIONS

Size: 16.3" x 5" x 9"

Weight: 15½ lbs., including microphone.

Finish: High pressure special textured plastic laminate with a pleasant hand-rubbed appearance. Gold anodized aluminum front panel with deep-etched and filled markings.

Design: All silicon transistor with complete diode protection system.

Frequency: All 23 channels.

"S" Meter: Back lighted with continuously adjustable sensitivity.

Microphone: High impedance ceramic.

Private call system: Pace 5900. Plugs directly into accessory socket.

Power Source: 117 VAC, 60 watts. Includes built-in provision for 12 V battery operation.

Receiver: Double conversion superheterodyne.

Noise Limiter: High impedance series gate, tapered clipping level.

Squelch control: Threshold sensitivity less than 0.25  $\mu$ V; maximum squelch stop 15  $\mu$ V, adjustable.

Sensitivity: Less than 0.25  $\mu$ V @ 6db  $\frac{S+N}{N}$

AGC: Audio output constant within 10db from 0.4 to 100,000  $\mu$ V.

Overload Point: Above 500,000  $\mu$ V.

Transmitter: 5.0 watts input. Typically 4 watts output @ 13.8 VDC.

Modulation: 100% capability.

External Speaker: Separate output jack.



# Astro Electronics

ASTRO ELECTRONICS MACH 200 is a 110vac Linear for 10 and 11 Meter operation which features a special change-over circuit for SSB/DSB or AM/FM operation. A pair of grounded-grid 6LQ6 final tubes deliver up to 200 watts input on AM and 400 watts PEP input on SSB. Up to 100 watts output on AM. Transistorized keying means you can drive it with as little as ½ watt. Relative power output meter for easy tuning. Approximate dimensions: 4"h, 10¼"w, 10"d. 13 lbs. (Illegal for use on 11 Meters in USA.) . . . . . \$149.95

3 foot jumper cable. . . . . 3.95

# JOHNSON

citizens two-way radio



Push-button  
5-channel

Only  
**\$99.95**

**SAVE \$5** See BONUS A on page 2

**JOHNSON MESSENGER 125** is a 12vdc, 5 channel Solid State Mobile CB Transceiver. Features Push Button channel selection, Slide-Lever squelch and volume controls. Full 5 watt Johnson "Talk Power" in spite of its small size—1-9/16" h x 4-19/32" w x 7" d. With channel 9 crystals and microphone. . . . . **\$99.95**  
250-0715-001 Portable leather case for Messenger 125, with rechargeable battery, charger with AC cord and antenna. . . . . **\$59.95**

**SAVE \$5**

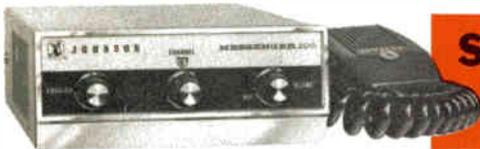
See BONUS A on page 2



**JOHNSON MESSENGER 110** is a 12vdc, 5-channel Solid State CB transceiver that fits into almost any budget. Built-in noise limiter. Supplied with crystals for channel 9, microphone, and mobile mounting bracket. Measures 2½" high, 6¾" wide, 8¾" deep, and weighs only 5 pounds. . . . . **\$109.95**

**SAVE \$10**

See BONUS B on page 2



**JOHNSON MESSENGER 100** is a 12vdc, 6-channel Solid State CB transceiver with illuminated channel selector, paging feature, external speaker jack, and provisions for tone alert. Built-in noise limiter. Supplied with crystals for channel 9, microphone, and mobile mounting bracket. 2½" h, 6¾" w, 8¾" d . . . . . **\$129.95**

**SAVE \$15**

See BONUS C on page 2



**JOHNSON MESSENGER III** is a 12vdc, 12-channel Solid State CB transceiver. Dual conversion means a better receiver. Multi-stage automatic noise limiter. Noise immune squelch. Illuminated channel selector. Paging feature. External speaker jack. Provisions for tone alert. 2½" h, 6¾" w, 8¾" d. Supplied with crystals for channel 9, microphone, and mobile mounting bracket . . . . . **\$149.95**



**SAVE \$10**

See BONUS B on page 2

**JOHNSON MESSENGER I** is a 10-tube 5-channel CB transceiver for AC or DC. Built-in noise limiter. This unit is known for its penetrating signal and faithful voice reproduction. Rugged over-powered quality components are used throughout. 5% high, 7" wide, 11¾" deep. Supplied with crystals for channel 9 and microphone. Both AC and DC cords are included, but mobile mounting bracket is extra.

Cat. No. 242-128 Messenger I 115vac & 12vdc. . . . . **\$124.95**  
Cat. No. 251-828 Mobile Mounting kit for Messenger I. . . . . **2.50**

## JOHNSON ACCESSORIES

### AC POWER SUPPLIES

239-125-1 for Messenger 110, 100, 123, 111. \$ 32.95  
239-122-2 for Messenger 320, 323. . . . . 32.95

### PORTABLE POWER PACKS WITH ANTENNA

250-854-2 for Messenger 110, 100 . . . . . \$ 79.95  
250-856-2 for Messenger III. . . . . 79.95  
250-855-2 for Messenger 320, 323 . . . . . 79.95  
250-826 Extra Battery for Power Packs . . . . . 32.00  
250-846-1 Battery Charger for Pwr. Packs 17.50  
239-50-1 Perma Vibe (replaces Vibrator) 8.95

250-801-1 Noise Suppression kit for ignition, generator, and regulator . . . . . \$ 15.50

239-119-1 Voltage Regulator (pos. gnd.).. 14.95  
239-119-2 Voltage Regulator (neg. gnd.).. 17.95

**JOHNSON IN-CONVERTER** changes 6 VDC to 12 VDC, and can reverse positive and negative polarity grounds if necessary. Works with any 5w. solid state CB set. #239-120-1 . . . . . \$ 22.95

**NEW!—TONE ALERT V**, is reedless and therefore eliminates 99% of triggering due to skip problems. Also eliminates problems of drifting and faulty off frequency reeds. Pretuned at factory with built-in time delay. Available on 10 different tone frequencies. Tone channels #4 and #6 normally in stock. Others available on special order. Specify tone channel desired when ordering (1 thru 10). This new reedless Tone Alert V will not work with earlier reed units. For use with Johnson models Messenger 100, 111 and 323. . . . . **\$69.95**

### CB CRYSTALS—\$2.00 ea.

When ordering crystals be sure to specify channels required. Transmit or Receive (or both) and Make and Model of the CB set they are to be used in



MESS III w/AC SUPPLY



IN-CONVERTER



MESS III w PORTABLE POWER PACK



TONE ALERT



250-049



250-849

**JOHNSON CB "MATCHBOX"** and **ANTENNA SWR METER** makes it possible to measure and correct any power-robbing antenna mis-match on your base or mobile antenna system. The "Matchbox" will reduce SWR from 5 to 1 down to as low as 1.1 to 1 or better, and assure you of maximum range for any given antenna installation. Use the Antenna SWR Meter with the Matchbox to determine best settings and results of Tuning.

250-049 CB Matchbox. . . . . \$ 15.95  
250-849 Antenna SWR Meter. . . . . 14.95



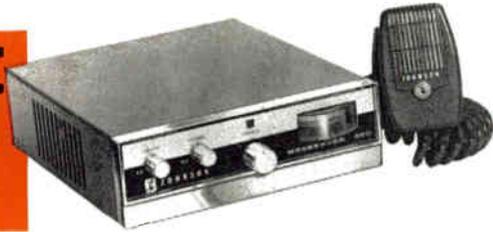
**SAVE \$15**

See BONUS C on page 2

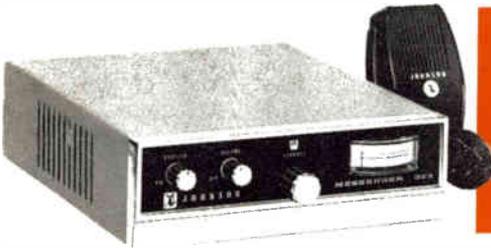
JOHNSON MESSENGER 123 is a low-cost, 23 channel, Solid State, 12vdc CB set. It features: Illuminated S/relative output meter, built-in noise limiter, and speech compression for greater range. Supplied with microphone and mobile mounting bracket. 2 1/2" h, 6 1/4" w, 8 3/4" d. 5 pounds. Can be used with 239-125 AC power supply or 250-854-2 portable power pack..... \$179.95

**SAVE \$20**

See BONUS D on page 2



JOHNSON MESSENGER 320 is a 12vdc, 23-channel CB transceiver. Combination S-meter/RF output meter allows visual monitoring of received and transmitted signals. Meter and Channel Selector are illuminated. Built-in noise limiter. Paging feature. External speaker jack. Supplied with crystals for ALL 23 channels, microphone, and mobile mounting bracket..... \$199.95



**SAVE \$25**

See BONUS E on page 2

JOHNSON MESSENGER 323 is very similar to the Messenger 320, except it has a crystal filter in the receiver to further reduce adjacent channel interference. Ideal for areas of high CB activity. Also has provisions for tone alert..... \$239.95

**SAVE \$25**

See BONUS E on page 2



JOHNSON MESSENGER 223 is a 23 channel CB set especially designed for Base Station use. 110vac power supply only. Has even greater "Talk Power" capabilities than the famous Messenger I or II. It punches out a clear penetrating signal. Extra heavy duty power transformer. Illuminated "S" meter/power output meter. 5-9/16" H x 11" W x 9-1/16" D with desk microphone..... 224.95

★ 23-channel  
★ Solid-state

**SAVE \$30**

See BONUS F on page 2



JOHNSON MESSENGER 124 is a 12vdc/110vac 23 channel Solid State AM CB Transceiver for Base or mobile operation. Features adjustable microphone gain, four-way professional meter which measures modulation, SWR, relative transmit power and receive signal strength. Receiver fine tuning, 4.3 MHz crystal filter and effective noise limiter. Famous Johnson "Talk Power" provided by high level class B modulation and built-in speech compression. Size: 5-9/16" h x 11" w x 9-1/16" d. Less Microphone..... \$289.95

250-889-1 Mobile Microphone with plug ..... 9.95  
250-888-2 Base Microphone with plug..... 15.95  
251-403-1 Mobile Mounting Kit..... 4.95



OMEGA-T Model CE 0-05 Noise Eliminator improves reception by reducing such noise as generated by power lines, automobile ignitions and electrostatic hash. Increases receiver sensitivity and provides a preselection band width of 20 kHz which increases side channel rejection, reducing "splatter" and "bleed-over" from other stations. Simple installation! Unit connects into transmission line between CB set and antenna system. Does not affect SWR. All Solid State, ready to go on 12 volts DC. For Base Station use an AC supply capable of delivering at least 12VDC at 200ma. is required. Size: 2" x 6" x 5", 1 lb..... \$69.95

MIDLAND 18-112B 12vdc/200MA AC adaptor.. \$ 5.95



ASTRO PM-100 RF Wattmeter installs in transmission line between CB set and antenna or dummy load. Can be left in at all times, to give you a visual indication of transmitter power output every time you go on the air. Also an excellent piece of portable test equipment for the service shop or in the car, for testing transmitter performance without removing the transceiver from the vehicle. Two ranges: 0-10 and 0-100 watts. Size: 5 3/4" w x 4" h x 4 3/4" d. No batteries required - accepts standard PL-259 connectors..... \$36.95



RAYTRACK CB Auto Level is a Solid State Electronic Volume Compressor designed to give maximum modulation from AM or SSB CB transceivers. Allows operator to speak at various voice levels and still maintain maximum "talk power" without over modulation and with minimum distortion. It works well with crystal or dynamic microphones and installs easily between microphone and CB rig. Built-in power supply. "In and Out" switch. Sturdy all aluminum case, wired for push-to-talk. Size: 2-3/4" x 4-1/16" x 6-3/8", 32 oz.. \$87.50

**AMATEUR ELECTRONIC SUPPLY - MILWAUKEE, WISCONSIN**

# Regency **GT 523**

**\$189.00**

**SAVE \$20**

See Bonus D  
on Page 2



All crystals supplied

## 23 Channel Solid State Transceiver

### GT 523 SPECIFICATIONS

#### RECEIVER

Double conversion superhetrodyne with Collins mechanical filter, 26.6 to 27.5 frequency range.

Tuning Range:	23 crystal controlled channels, factory installed and synthesized.
Sensitivity:	Less than 1 microvolt for 10DB S+N/N at 1,000 cycles, 30% modulated.
Selectivity:	8KC at 6DB, 60DB at $\pm$ 9KC, adjacent channel rejection greater than 50DB.
Delta Tune:	$\pm$ 1KC.
Squelch Limits	Adjustable from $\frac{1}{4}$ microvolts to approximately 100 microvolts.
Audio Output:	2 watts.

#### TRANSMITTER

Carrier Frequency Range:	23 crystal controlled channels, factory installed and synthesized.
Carrier Frequency:	Accuracy $\pm$ .005 maximum.
Microphone Input Impedance:	Hi Impedance ceramic.
Modulation:	Class B
Power Input:	Total input under full modulation approximately 16 watts.
R.F. Output	3 watts minimum.
Output Impedance:	50 ohms.

#### GENERAL

2 $\frac{1}{4}$ " x 5 $\frac{1}{2}$ " x 7 $\frac{1}{2}$ "—5 lbs.

Power Requirement	12-14 volts DC
Power Consumption	16 watts.
P.A. Output:	2 watts.

#### ACCESSORY PROVISIONS:

External Speaker and P.A. facilities.

#### OPTIONAL EQUIPMENT:

Portable Accessory	Portable Field Power Pack.
Base Accessory	Sounding Board 117 volts AC power supply.

Now! The newest, the "raciest," 23 channel solid state transceiver ever introduced to the market. It is as highly tuned as its racing car name sake. The transmitter sings out whenever and wherever you want to be heard. And—the receiver brings back the signal in a tone you'll love at first listen. A Collins mechanical filter enhances modern circuit design. Delta tune provides for strong reception of weak or off frequency signals. Colorful, front panel S meter shows you the kind of performance you like to see. Public address and external speaker capabilities are built-in, features of convenience. If you're thinking the ultimate in the 23 channel solid state art . . . think Regency GT 523 . . . the price is right, too—\$189.00.

Sounding Board 117 volt AC power supply bounces the sound of the GT 523 or 500 out front when either unit is needed for a base installation.

**\$24.95**



# Regency

# 500 \$99.95

See Bonus B on Page 2



Supplied with crystals for Channel 11

## 12 Channel Solid State Transceiver

Racing stripes, in American red, white and blue, lend to the handsome design of this new value packed transceiver. The inside—the internal working parts—are designed just as handsomely to give an all-out performance on transmit and receive. The receiver is as quiet as any citizens radio unit ever made. The efficient transmitter delivers an extra strong signal for the most effective two-way radio performance available anywhere . . . at such low cost. Three front panel controls provide for simple, trouble free operation, P.A. and external speaker capabilities are built-in, too. Back lighted dial numbers for all 23 channels are supplied to indicate exactly what channels you choose to use. **\$99.95**

Portable Field Pack, complete with antenna, carrying strap and handle, fits compactly on back either the GT 523 or 500 for portable operation anywhere. (less battery) . . . **\$24.95**

Rechargeable Ni Cad Battery for Portable Field Pack . . . **\$34.95**  
Charger for Field Pack . . . **5.95**

## 500 SPECIFICATIONS

### RECEIVER

Frequency Range:	26.6 MHz to 27.5 MHz.
Tuning Range:	12 channels.
Sensitivity:	Less than 1 microvolt for 10DB S+N/N at 1,000 cycles, 30% modulated. Tangential sensitivity approximately 0.1 microvolts.
Selectivity:	10KC at 3DB, 40DB at ± 10KC, 60DB at ± 60KC.
Squelch Limits:	Adjustable from ½ microvolts to approximately 100 microvolts.
Audio Output:	2 watts.

### TRANSMITTER

Carrier Frequency Range:	26.6 MHz to 27.5 MHz.
Carrier Frequency:	Accuracy within ± .005% maximum.
Microphone Input Impedance:	Hi Impedance ceramic.
Modulation:	Class B.
Power Input:	Total input under full modulation approximately 16 watts.
R.F. Output	3 watts minimum.
Output Impedance:	50 ohms.

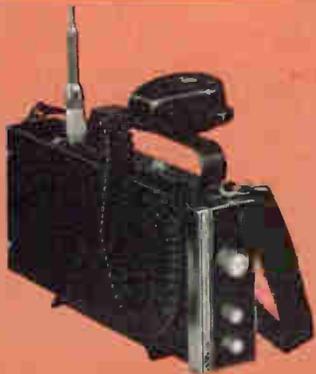
### GENERAL

2¼" x 5½" x 7½"—4½ lbs.

Power Requirement:	12-14 volts DC.
Power Consumption:	15 watts.
P.A. Output:	2 watts.
Accessory Provisions:	External Speaker and P.A. Speaker.

### OPTIONAL EQUIPMENT

Portable Accessory:	Portable Pack 10-23A.
Base Accessory:	Sounding Board 117 volts AC Power Supply.

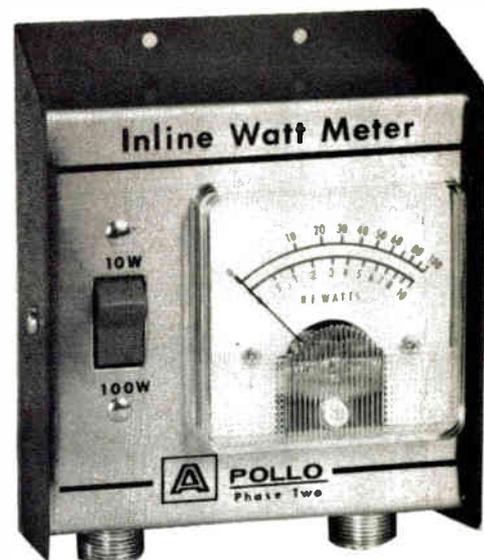




APOLLO 1500X 3-position coaxial switch with tune-up light (bulb supplied for 5 watts)..... \$ 9.95



APOLLO 1700X Antenna Polarization Switch \$ 9.95



APOLLO 900X In-line Wattmeter has two ranges: 0-10 watts and 0-100 watts..... \$28.95

The above APOLLO Products are all approximately 4-3/4" h, 4" w, 2-1/8" d. The Apollo linears shown below have the following features in common: Standby switch for straight through operation. Mode switch for SSB, DSB, or AM operation. Transistorized automatic antenna changeover circuit for SSB, DSB, or AM. Designed for 10/11 meters (but illegal to use on 11 meters in USA).



APOLLO 100X 110VAC Base Station Linear. Approximately 80-100 watts of output. Drive requirements for AM are 1-6 watts, 1-10 watts PEP for SSB. Relative RF output meter. TWO 6LQ6 tubes. Approximately: 6" h, 8" w, 11" d..... \$149.95

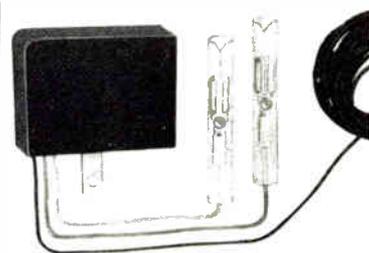
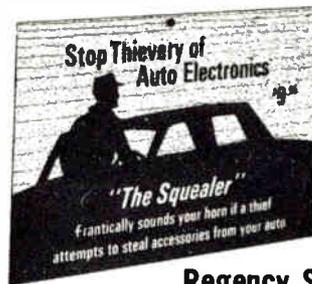


APOLLO 400X 12VDC Mobile Linear. Approximately 50 to 60 watts of output. Drive requirements are 1-4 watts AM or SSB. One 6LQ6 final amplifier tube. With mobile mounting bracket. 3-3/8" h, 8-1/8" w, 9" d. 7-1/4 lbs..... \$99.95

APOLLO 300X 110VAC Base Linear - Similar to above model..... \$89.95



The DEW LINE RADAR DETECTOR is a completely self contained receiver designed to receive the signal transmitted by the police radar transmitter in excess of the distance in which the police transmitter can clock the speed of your automobile, warning you in advance of a hazardous area requiring radar patrolling of speed. The Radar Detector is simply clipped on the sun visor of your car, aimed down the center of the road, and adjusted by the control knob for maximum sensitivity. The Radar Detector makes no sound until it detects the police Radar beam. 3-3/8" d, 4" w, 1-1/2" h. 6 oz. w/batteries..... \$44.95



### Regency SQUEALER - \$9.95

The new "Squealer" frantically sounds your automobile horn at the rate of 1/2 second on - 1/2 second off, if a thief attempts to remove an automobile electronics accessory to which it is attached.

The "Squealer" will operate on any automotive product equipped with 6 or 12 volt battery and horn relay. The unit is simply installed by connecting 1 wire to each side of the horn relay and a third long insulated wire to the accessory on the auto's interior. Fuses are unnecessary. The new device will not harm the automobile electric system or the accessory.

Protect your equipment against the high theft rate of tape decks, AM/FM radio, citizens radio and radio telephone.

**SALE!**

# KAAR CB

...WITH ALL THE QUALITY FEATURES THAT MAKE IT No. 1 WITH SMART USERS

Regular \$229.95

Now Only **\$179**

**SAVE \$50**

## KAAR SKYHAWK II 12vdc-23 ch.

AC Supply & pedestal for Base Station use... \$34.95



**OPTIONAL Kaar-Lok \$6.95**

### 23 Channels

Only 1 transmit/receive crystal required per channel... based on techniques similar to those used in sophisticated military transceivers.

### Automatic Noise Limiter

Crystal-controlled Receiver Oscillator Maintains highest stability.

### Epoxy Fiberglass Circuit Boards

Military standard, copper clad, etched material easily stands up to marine and other demanding applications.

### Rugged Steel Case

For maximum protection of components plus minimum interference pick-up. Corrosion-resistant epoxy enamel finish.

### Sharp, Positive Squelch

### Illuminated Channel and Transmit Indicator

For easily read indication of channel in use. Glows red on transmit.

**Illuminated S Meter/Power Meter**  
On receive, indicates signal strength. On transmit, gives relative indication of transmitter and modulation power.

**Handsome Wood-grain Front Panel**  
Also available (optional): 5 color panels to match your CB to your car interior.

**Universal Installation Bracket**

**Anti-theft Kaar-Lok**  
Exclusive to Kaar... safeguards your CB when installed in vehicle, boat, snowmobile or whatever.

**Iron-cored Transformer**  
Impregnated with sealant for excellent moisture resistance and mechanical stability

**Space-age Components**  
All solid state circuitry — 17 silicon and 8 germanium transistors, 10 diodes and 1 zener diode. Tantalum capacitors.

**Jacks for Paging and Remote Speakers**

**Universal Power Cable Plug**

Okay for all vehicles with negative or positive grounding.

**Electronic Voltage Regulator**

Circuit using a transistor and a zener diode offset battery voltage variations

**Plug-in Transmit/Receive Relay**

Precision adjusted and sealed against dust and moisture.

**Filtered Power Circuit**

Proof against interference from vehicle electrical system.

**SBE**

# THE RED HOT C-B LINE



The swinging SBE design group responsible for the SB-34, world-famous "ham" transceiver, have done it again! This time though, it's gear for you C-B'ers who know the difference---who insist upon equipment that will really *communicate* and don't intend to pay a bonus for it! Here on these pages are three excellent examples of *quality/value*, each with the kind of technical goodies that help the moon-bound birds to fly. With SBE the "red hot" brand on your C-B equipment panel, you're communicating Space-age, not horse and buggy.

## Capri

Paced with modern computer trends---5 channels, instant, convenient push button change.

A handsome addition to any car. Black leatherette and polished chrome---colorful red and blue transmit/receive, tell-tale indicator lights.

Tubeless of course. Long life semiconductors, high performance, low current drain.

A sizzling five watts of productive power.

Speaker-rattling modulation---big talk power.

"Shaped" speech response---cuts through noise and interference.

Sensitive, selective super that plays 'em if they're on the air.

Auto-gain control that calms down those nearby stations.

Gate-type noise limiter that swings shut on distracting ignition racket.

Light---just 3½ pounds but the biggest dollar-per-ounce value available to the price and performance conscious C-B communicator.

Supplied w/"U"-type mounting bracket, mic, w/coil cord and Chan. 11 crystals. **\$79.95**

**SAVE \$10**

SEE BONUS "B" on page 2

## Cascade

A handful of portable station with features that won't quit! A 10" lightweight but with a man-size, 3 watt input wallop! It talks big---and loud---modulates---and with authority.

Tone signal---switch to attract attention or to code network stations.

Superhet receiver reaches out---delivers under tough, portable conditions.

Noise limiter gives weak signals a chance to be heard.

Squelch mutes annoying background.

Earphone---plugs in for private listening.

Uses inexpensive, AA-size dry cells (8) or rechargeable ni-cads for power. Will also operate with accessory AC power supply.

11-Section telescoping antenna and provision for external antenna.

Will operate as loudhailer using external microphone.

Panel meter shows battery condition, also gives assurance of power output.

Supplied with shoulder strap, carrying case, and crystals for channel 11. Regularly \$89.95 NOW ONLY \$49.95

117vac Power Supply/charger for above..... \$29.95



Size: 10½"H (inc. knobs), 3½"W, 1¾"D. Weight, 4½ pounds.

**SPECIAL**  
Regular \$89.95  
Now only  
**\$49.95**

while they last!

**SAVE  
\$25**  
SEE BONUS E  
on page  
2

**SBE**

quality/value symbol

*Coronado*



Absolutely at the top of the C-B performance pinnacle with a multiplicity of desired features . . . one of the best values offered at such a modest price.

**SYNTHESIZED!**---patterned after the hi-rel frequency deriving systems used in the multi-hundred channel communications systems installed on every major airline. Proved. All 23 channels are instantly selectable by a back-lighted panel switch.

One, self contained set of precision synthesizing crystals does the high stability, frequency controlling job for both transmitter and receiver.

**THERE ARE NO CRYSTALS TO BUY.** . . ever. This is all-solid-state-equipment---no tubes---no replacement costs. And easy on the car battery.

I-C and FET devices are among the advanced, solid-state electronics that contribute to the sterling performance.

Power input is a big, full-to-the-brim 5 watts. Speech response is tailored to give maximum clarity and intelligibility.

An advanced superhet receiver accepts a signal that is only one-one millionth of a volt and amplifies it to the point where, "wow, turn down the volume" is the byword.

Really effective automatic gain control prevents "blasting" by the strongest local.

Limiter truly gives ignition noise the "gate". This great, advanced C-B set also operates as a mobile PA system with 3 watts output power for an effective attention-getting response using an external outdoor-type speaker.

Microphone is quality dynamic type with coil cord and press-to-talk switch.

Panel meter indicates relative power output on transmit and relative signal strength in the receive mode.

Size: 2½"H, 5¾"W, 8¼"D. Weight: 6½ lbs.

Supplied w/"U" type mounting bracket, dynamic mic. w/p-t-t switch and coil cord.

**\$159.95**

All-solid-state power supply for 117V AC transceiver operation. Housing serves as "pedestal" for set. Supply has ON/OFF switch, fuse, line cord. Size: 4"H, 8"W, 9½"D. Weight: 5 lbs.

**\$29.95**



**SBE**

By **LINEAR SYSTEMS, INC.**



LINEAR SYSTEMS, INC.

# SIDEBANDER – SSB/AM for MOBILE

# \$339

110VAC Supply  
and Pedestal for  
SBE Sidebander  
is ONLY \$39.95



**SAVE \$30**  
See BONUS F on page 2

# SSB..new voice of CB

With the advent of the great, highly versatile SBE "Sidebander", SSB, with its well proved advantages over AM, becomes the ideal mode for widespread CB use. Why sideband? Many other services have asked the same question. Judge for yourself.

For years, SSB has provided high reliability, long range communications for Army, Navy and Strategic Air Command. By international agreement, SSB was chosen for "high seas" marine communications. Closer to home, SSB is universally accepted by radio amateurs who used AM for years...and suffered with its heterodyne problems...until SSB became a practical reality. For similar reasons, SSB will be the new voice of CB.

SBE really knows SB, has manufactured and sold thousands of the renowned SB-33 and SB-34 amateur SSB transceivers. While other SSB sets have been offered for CB use, SBE Sidebander is the first full power, all-solid-state, 12V DC mobile unit so small in size that it will fit easily into today's compact cars. And it has everything!

23 channels (synthesized of course...no extra crystals to buy). And Compatible AM...talk and listen to stations not equipped to receive SSB. Upper and lower sideband selection...talk to CB SSB stations.

The penetrating peak voice power of SSB will often talk right over AM. Sidebander for example, delivers a signal equivalent to that from a 40 watt AM set! Sidebander with a dipole is equivalent to a 5 watt AM set with a three element beam! And carrier is suppressed so no heterodyne squeals between SSB stations on the same channel. One rarely hears heterodynes on the single-sideband equipped amateur bands. No heterodynes you say? Utopia!

Sidebander offers 46 channel operation on SSB! Separate conversations can be maintained on the same channel if one station uses USB and the other LSB. You can see now why SBE uses the word versatile.

### SIDEBANDER HIGHLIGHTS:

Small, 2 1/2"x9"x9" and all-solid-state with inherently low battery drain. And suppressed carrier on SSB so average battery current is far less than with AM. 115V AC adaptors are available for home station use.

- 10Watts p.e.p. power input
- Crystal lattice filter for SSB
- Ceramic filter for compatible AM
- Double conversion receiver with fractional microvolt sensitivity
- Provision for external speaker and intercom
- Automatic load control
- Series gate noise blanker
- Adjustable squelch
- RF indicator lamp, SSB and AM
- All-solid-state with I-C and FET's
- Clarifier control compensates for minor frequency variations in incoming signals
- Fine looking, sturdily built with die cast chrome plated front
- Attractive, easy-to-read, back lighted channel selector
- Supplied with dynamic microphone and coil cord, 4 prong plug, mounting bracket
- Synthesized...23 channels but no crystals to buy.

**ONLY \$339.00**

The SBE SIDEBANDER not only offers TRUE Upper and Lower Single Sideband on both transmit and receive – but also regular conventional High Level AM operation, to facilitate contacts with older AM transceivers not capable of using the new, more effective Single Sideband mode. The SBE SIDEBANDER also has a Noise Limiter (not an outdated noise limiter), which may be switched into operation from the front panel, to effectively blank ignition and other impulse noises.



# SIDEWINDER 46 – SSB/AM for BASE

## \$495



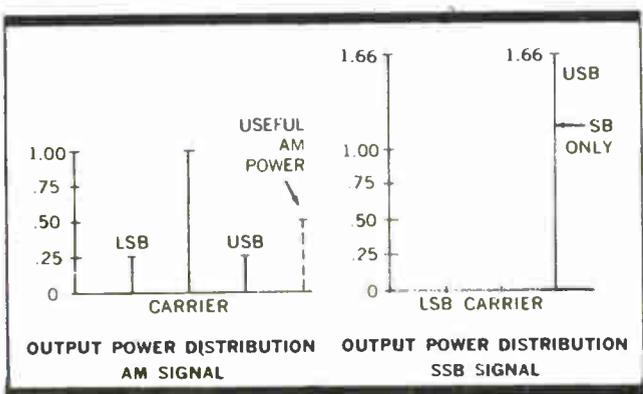
**SAVE \$40**  
See BONUS G on page 2

**SSB**  
*for the*  
**70's**

MARK SIDEWINDER-46 is a Deluxe 23-channel SSB/AM Citizens Band transceiver for use on 110vac. With this transceiver, you can select regular conventional High-Level AM type of operation – or TRUE Upper or Lower Single Sideband type of transmission and reception. The type of operational mode you have selected is readily identified by large, rugged illuminated panel indicators. The large "S"/output meter and channel selector dials are also illuminated. Using the MARK SIDEWINDER-46 in the SSB mode, you can split the CB channels into separate Upper and Lower Sidebands – which, in effect, doubles the number of available channels, from the present 23 to 46. Mike gain, RF gain, and Noise Blanker are adjustable! Large 6" speaker for good-sounding audio. Voice-lock control allows you to tune in stations that are slightly off frequency. The AM RF output is approximately 3.5 watts, and the SSB P.E.P. power output is approximately 8 watts. The receiver sensitivity on SSB is .25 microvolts, and on AM it is .5 microvolts. 5" high x 14 1/4" wide x 11 1/2" deep ..... **ONLY \$495.00**

### SSB vs AM

Single sideband is 100% talk power—all that remains after removing the power wasting parts from an AM signal.



A normal AM signal is composed of three basic segments: a carrier, an upper sideband, and a lower sideband. The carrier conveys no information and serves no useful purpose but consumes a great deal of the five legal watts of power and produces the "silence" that tells you a station is on the air even when no one is talking. All of the intelligence is conveyed in the two sidebands, but these sidebands are mirror images of each other.

By eliminating the carrier and one of these duplicate sidebands, all the legal power can be concentrated in the one remaining sideband, and at the same time the width of the signal in the radio spectrum is greatly reduced. As a result, the effective range of transmission is substantially increased over AM, and at the same time several SSB stations can be placed in the width of a single AM channel. Further advantages include the fact that a good single sideband receiver uses less than half the bandwidth of an AM receiver and will therefore pick up less than half the noise of an AM receiver.

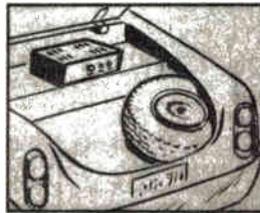


**SAVE \$50**

See **BONUS H** on page 2



**SONAR FS-23** All 23 channels. Nuvistor receiver RF stage. Dual conversion. High-level class "B" push-pull modulation. Noise limiter on-off switch. Heavy duty construction. External speaker jack. 110vac & 12vdc. DC power supply is transistorized. 11 $\frac{3}{4}$ "W x 5 $\frac{3}{4}$ "H x 11 $\frac{1}{4}$ "D. Supplied with microphone and mobile mounting bracket..... \$295.00



Complete with remote power switch and indicator control panel plus mounting brackets

**SONAR BR-2906** 12vdc **MOBILE LINEAR** covers the 25 to 50 MHz Business Band. (Illegal to use on the 27 MHz citizens band in USA.) Operates with 1 to 15 watts of RF drive. Transistorized power supply for 12vdc operation (negative ground). Automatic Standby/Transmit switching. Deluxe Transistorized switching circuitry cuts standby current to only 2 amps. Works on AM, DSB, SSB and FM. Up to 170 watts P.E.P. input power. Approximately 25 to 50 watts out depending upon the amount of drive, etc. Ideal for trunk mounting! - Complete with remote power switch and Indicator Control Panel plus mounting brackets. Small, compact, and ruggedly built, 2" h, 6" w, 8" d, 3 lbs..... \$129.95

**SAVE \$25**

See **BONUS E** on page 2



**Rugged!**  
Designed for Continuous Operation

**SONAR BR-21 LINEAR AMPLIFIER** Covers 25-50Mc Business Band, 10 or 6 Meter Amateur Band. (Illegal on CB band in USA) Up to 150 watts input when driven by Sonar FM-40. Grounded Grid. Operates with 1-30 watts RF drive power. AM or FM. Automatic standby/transmit keying... just hook up the interconnecting RF cable. Heavy duty construction plus forced air cooling for reliable duty. 4 $\frac{3}{4}$ "H x 8 $\frac{1}{4}$ "W x 10 $\frac{1}{4}$ "D.

BR-21 Linear for 12vdc operation..... \$225.00  
BR-21 Linear for 110vac operation..... 184.50

**Make AMATEUR ELECTRONIC SUPPLY your CB HEADQUARTERS**

## GOLD LINE SIGNAL HUNTER

Direction-finding Antenna

For Emergencies, Club Activities, Jamboree and Rally Competitions

### Club Activities

For club-sponsored self-policing and education committees who want to track down "gabbers" and other rule-breakers or trace interference from leaking power pole insulators, neon signs or electrical machines.

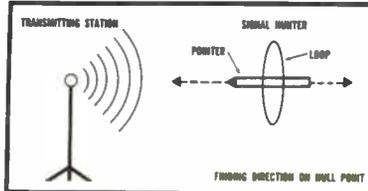
### Emergency Uses

Find lost or stranded motorists quickly when minutes count. Locate boats in distress, day or night. Just follow the pointer.

### Jamboree and Rally Competitions

Hunt hidden transmitters using Part 15 Handie-Talkie transmitters. An exciting, challenging group event! One member takes Handie-Talkie to a hidden location. At a given time, he begins sending. Competing stations located in the field race to track him down. Contests can be based on the least time taken to locate the hidden transmitter.

Or you can compete to find two or more transmitting stations which must be located one after the other.



- Tracks any signal
- Mounts on car in seconds
- Simple, fool-proof operation
- All at low cost

**Just \$12.50**

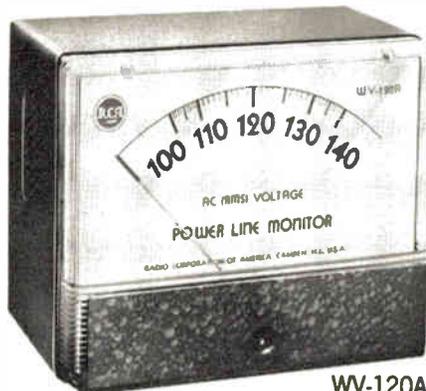
## DELWYN® *Whisper Fan*

for cooling applications in  
**COLOR TV...  
HI-FI SETS...  
HAM GEAR!**



**HEAT** an ever present menace to Ham Gear and other Electronic Equipment. You prevent parts failure-beat the heat that can wreck your set when you install a Delwyn Whisper Fan. The money you might have to spend on one heat-caused repair bill more than pays for your Delwyn Whisper Fan. Dimensions: 5-1/4" L x 5-1/4" W x 1-5/8" D Installation Kit included.

**\$14.95**



## RCA POWER LINE MONITOR

Monitor your line voltage at all times. High Voltage can cause component damage, and Low Voltage causes poor rig performance. Accurate!... Easy-to-read expanded 2-color scale reads from 100 to 140 volts. May be wall-mounted with holes provided. Size: 3 $\frac{1}{8}$ " x 5" x 3 $\frac{1}{8}$ "...... \$19.50

WV-120A

# No Deluxe CB Base Station is complete without a Good Communications Receiver . . .



2C

**DRAKE 2C Communications Receiver** offers excellent performance at low cost. Supplied with crystals to receive Ham Bands: 80 Meters (3.5 to 4 MHz), 40 Meters (7.0 to 7.5 MHz) 20 Meters (14 to 14.5 MHz), 15 Meters (21.0 to 21.5 MHz), and 10 Meters (28.5 to 29 MHz). One auxiliary crystal socket on side of receiver is provided so that accessory crystals may be used to provide coverage of any 500 KHz segment from 3.0 to 30 MHz. Receives SSB, AM, CW & RTTY...\$255

**SAVE \$25 on 2C — see BONUS E on page 2**

**ACCESSORIES FOR 2C**

2AC Calibrator .....	\$18.75	2CQ Speaker/Q Multiplier .....	39.95
2NB Noise Blanker .....	26.95	CB Crystal (26.5 to 27MHz) .....	5.00
2CS Speaker .....	22.00	CB Crystal (27 to 27.5MHz) .....	5.00



R-4B

**DRAKE R-4B Communications Receiver** is supplied with crystals to provide the same Ham Band coverage as the 2C described above. Ten additional crystal sockets are provided for coverage of any 10 additional 500 KHz ranges between 1.5 and 30 MHz, with the exception of 5.0-6.0 MHz. Receives SSB, AM, CW and RTTY. Built-in noise blanker and crystal calibrator. ....\$475.00

**SAVE \$50 on R-4B — see BONUS H on page 2**

**ACCESSORIES for R-4B**

MS-4 Matching Speaker .....	\$ 22.00
Crystal to cover lower part of CB Band (26.5-27 MHz) .....	\$ 5.00
Crystal to cover upper part of CB Band (27-27.5 MHz) .....	5.00



## DRAKE SPR-4

**PROGRAMMABLE RECEIVER**

**SAVE \$40**  
See BONUS G on page 2

**THE DRAKE SPR-4** outperforms the best tube receiver (says the R.L. Drake Co.), and has all advantages of solid state design . . . low power consumption, high stability and reliability. It is a general purpose receiver, programable for any interest . . . SWL, Ham, lab, BC, marine, etc. Only FETs in signal path. Linear VFO with 1 kHz readout. Covers 150-500 kHz plus any 23 ranges (500 kHz wide). .500-30 MHz. 10 ranges furnished, others \$5.00 each. Coverage easily changed. 3 band-widths: 0.4, 2.4 and 4.8 kHz for CW, SSB and AM. Built-in speaker. Notch filter. 115/220 vac/12 vdc. 10 3/4" w, 5 1/2" h, 12 1/4" d. 14 lbs. .... \$449.00

**SPR-4 ACCESSORIES**

SCC-4 100 kHz Calibrator .....	\$20.00
5NB Noise Blanker .....	65.00
AN-5 Antenna Kit .....	8.80
AL-4 Loop Antenna for BC .....	22.00
MS-4 Optional External Speaker .....	22.00
DC-PC 12 vdc Power Cord .....	5.00
TA-4 Transceiver Adapter .....	15.00
RY-4 Teletype Adapter .....	10.00

**SPR-4 CRYSTAL KITS**

Amateur Bands - 6 crystals .....	\$27.00
Marine Bands - 11 crystals .....	49.00
Aeronautical Overseas - 7 crystals .....	32.00
Time & frequency, WWV - 5 crystals .....	22.00
Citizens Band - 1 crystal .....	5.00
Tropical Broadcast - 3 crystals .....	13.50
MARS - 5 crystals .....	22.00
Teletype Commercial - 4 crystals .....	18.00
Individual Crystals .....	5.00



SW-4A

**DRAKE SW-4A International Short Wave Broadcast Receiver** features Direct Frequency Dialing. . . . No more guesswork in identifying stations. Set the dial at a station's frequency and, if conditions permit, you'll most likely hear it. Receives the following frequencies: .15-1.5, 6-6.5, 7-7.5, 9.5-10, 11.5-12, 15-15.5, 17.5-18, 21.5-22, and 25.5-26 Megacycles, with crystals supplied. These frequencies include: European LF Broadcasts, American MF Broadcasts, International Short Wave Broadcasts and standard AM Broadcast Band. Receives AM-type signals only. ....\$229.00

**SAVE \$25 on SW-4A — see BONUS E on page 2**

**ACCESSORIES for SW-4A**

MS-4 Matching Speaker .....	\$ 22.00
AL-4 Directional Loop Antenna for .15 to 1.5 Mc. ....	22.00



200 WATTS

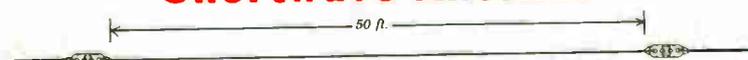
**T-4XB**

The **DRAKE T-4XB** is the matching transmitter for the R-4B receiver. Input power is 200 watts PEP on AM, SSB and CW. Supplied less power supply for \$495.00. . . . 110vac power supply model AC-4 is \$99.95. Bonus H (see page 2) is offered with T-4XB.

## INTERESTED IN AMATEUR RADIO ??

Send for our Amateur Radio Catalog today . . .

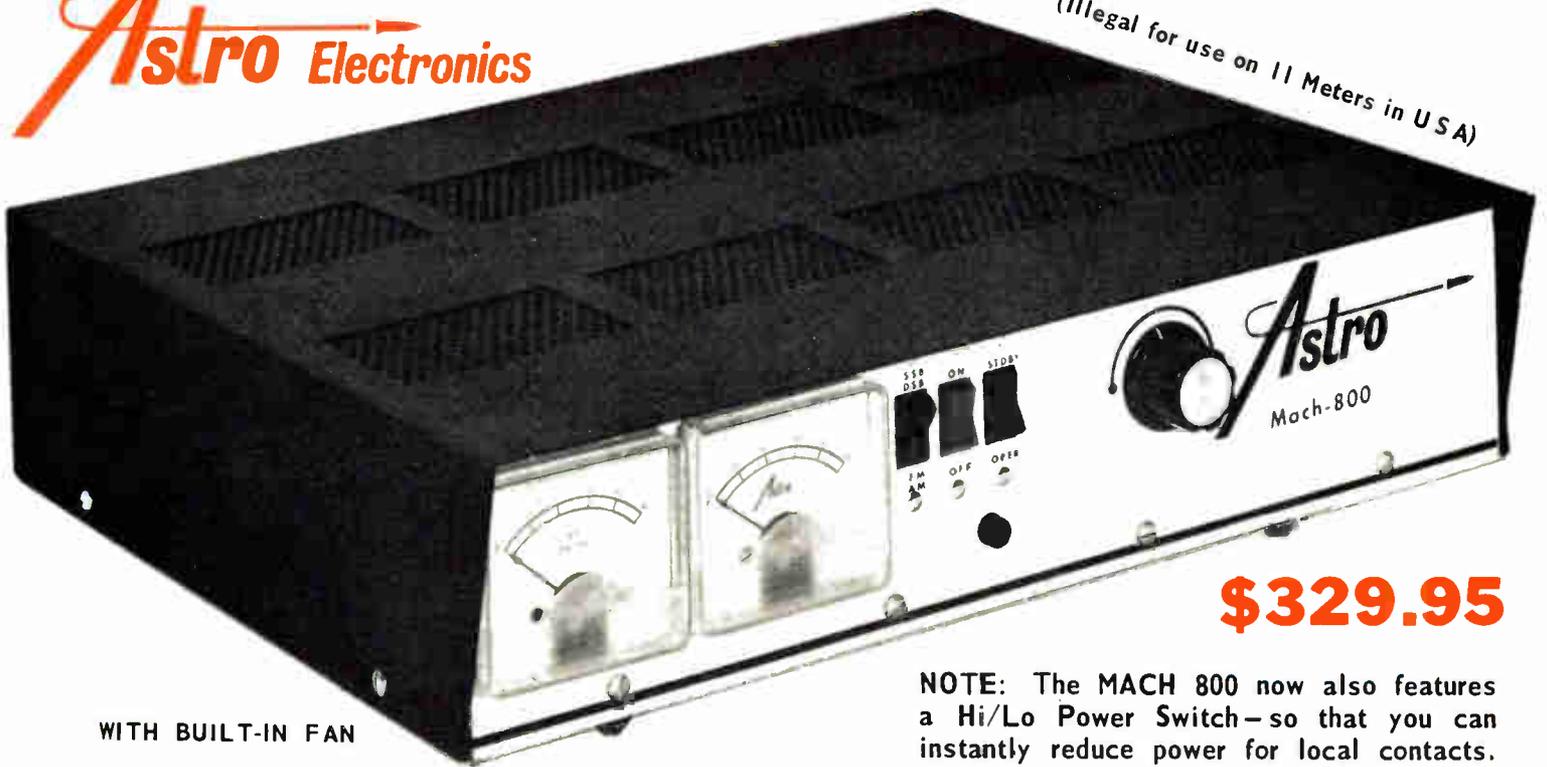
## Shortwave Antenna



**HY-GAIN MODEL SW-6 SHORT WAVE ANTENNA** comes complete with 50 feet of stranded copper antenna wire, 50 feet of rubber covered lead in wire, two end insulators, and nylon rope for each end. With instructions . . . \$6.95

# Astro Electronics

(Illegal for use on 11 Meters in USA)



**\$329.95**

WITH BUILT-IN FAN

**NOTE:** The MACH 800 now also features a Hi/Lo Power Switch—so that you can instantly reduce power for local contacts.

**ASTRO ELECTRONICS MACH 800** is a 110vac Linear for use on the 10 and 11 Meter bands. Special transistorized circuitry eliminates relay chatter on SSB or DSB. This linear uses four 6JE6/6LQ6 tubes in the final, and another one as a pre-driver, which means as little as 3-1/2 watts of drive is needed to produce approximately 800 watts PEP input power and approximately 350 watts output power. Two large easy-to-read meters tell you what the output is doing, and also the relative amount of drive your CB set is pushing into the linear. An adjustable input circuit control on the rear of the unit allows you to adjust drive power for maximum efficiency. This same control also allows you to operate your linear at lower power levels if you so desire, by simply de-tuning the amount of drive. When linear is in OFF or in Standby Position your CB set will operate normally. Additional features are: Easy single-knob tuning, Transistorized keying which means as little as 1/2 watt of drive will operate the linear, Compact modern low-profile design, Space age rocker-type switches, Attractive black crinkle finish cabinet and a Brushed stainless steel front panel. Approximate dimensions are 4" h, 15" w, 13" d. Approximate weight is 25 pounds. The price is only \$329.95

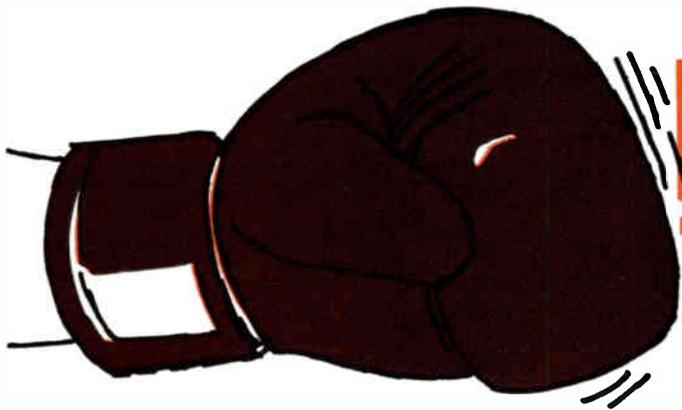


**RC-200 Remote Control Head for MACH 200DC 39.95**

**← MACH 200DC Mobile Linear 169.95**

(\*11 meter use illegal in U. S. A.)

powered 12vdc mobile linear we have to offer for 10 and 11\*  
 a pair of 6LQ6 tubes provides approximately 80-100 watts  
 tts in the Lo-Power position. The ASTRO MACH 200DC  
 . . . with the optional RC-200 Remote Control head, which  
 r can be hidden under the seat or in the trunk. Works well  
 . . . . . \$169.95



# MORE PUNCH TO YOUR SIGNAL

on both transmit and receive

## AFTERBURNER PLUS

100 watt  
BILATERAL  
LINEAR  
AMPLIFIER

### MORE POSITIVE POWER PER WATT DRIVE

Now you can get maximum signal COMING AND GOING! AFTERBURNER PLUS amplifies weak signals 20 db on receive PLUS unsurpassed power boost on transmit. Afterburner Plus goes to work the instant you key your microphone, giving your communications system 220 watts PEP of real "talk power." Will multiply the range of any low power transceiver or transmitter (1-15 watt output) in the 25-50 MHz business band and may also be used in the Amateur 28 MHz (10 meter band) on FM, AM, SSB, DSB, or CW. Built-in tuning meter included. Separate switches for: AM-FM or SSB-DSB / PRE-AMP ON-OFF / Transmit Standby / Power ON-OFF. Easy to hook up with no internal connections required.



(DC MODEL 419) shown

Base Unit—Model 420 12 lbs. \$129.95

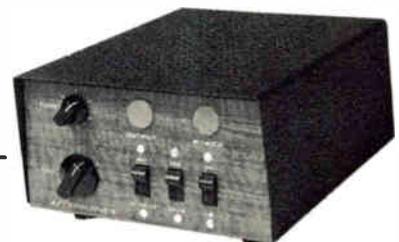
Mobile Unit with mounting bracket—  
Model 419 9 lbs. \$149.95

## AFTERBURNER LINEAR AMPLIFIER

Turns low power input into high power output. Automatically, when you key your mike, you'll have the increased range you need. All the powerful features of the Afterburner Plus except not bilateral. Uses indicator lights for tuning.

Base Unit—  
Model 403  
12 lbs. \$109.95

Mobile Unit with  
mounting bracket—  
Model 404  
9 lbs. \$129.95



Remote Control for mobile unit for those who wish to mount Afterburner or Afterburner Plus in trunk.

Model 407 1 lb. \$9.95

IN STOCK AT AMATEUR ELECTRONIC SUPPLY

## AFTERBURNER PRODUCT



**SAVE  
\$25**  
See **BONUS E**  
on page 2



**SWAN 1046**  
SINGLE SIDEBAND

THE SWAN 1046 is designed for the experienced CB operator by the leading manufacturer of single sideband transceivers in the amateur radio field. The Swan 1046 offers total performance: the maximum number of channels, maximum power, maximum selectivity, and unsurpassed voice quality. All the features and quality that have made Swan Electronics the leader in the Amateur Radio equipment field have been engineered into our new CB transceiver. **FEATURES:** Single sideband in both transmit and receive modes. Selectable upper and lower sideband provides a total of 46 operating channels. Power rating: 10 watts P.E.P. input (FCC legal limit in SSB mode). This power rating is equivalent in performance to 40 watts of double sideband AM. Two filter networks employing high frequency quartz crystals provide the ultimate in selectivity, superior to the lower frequency mechanical filters. Available with built-in AC or DC power supply. Complete with microphone, ready to operate. Transmits and receives AM mode when required. Approximate dimensions: 12" w, 10" d, 6" h..... **\$475.00**

**INTRODUCING THE NEW SWAN-1011**

*For the CB operator:* An ultra sensitive SSB/AM tunable receiver.  
*For the 10 meter radio ham:* A complete 260 watt SSB/AM transceiver.



5 1/2 in. high, 13 in. wide, 11 in. deep.

**SWAN MODEL 1011 10 Meter Transceiver with 11 Meter (Citizens Band) Receive Capability - 110vac...\$499.00**

**44A Plug-in 12vdc converter for above..... 39.50**

**SWAN MODEL 1011 MODIFIED by AES to transmit on 11 Meters for use outside of USA.....\$525.00**

The SWAN MODEL 1011 is basically a High-Powered SSB/AM transceiver for the 10 Meter Amateur Band, plus an 11 Meter position for monitoring the Citizens Band. NOTE: In the Citizens Band position, the Model 1011 transmitter relay circuitry is interrupted by a set of contacts on the band switch control - which prevents illegal use of this high-powered transmitter on 11 Meters in the USA. **POWER RATING:** 260 watts P.E.P. input on Single Sideband, 180 watts CW input, 60 watts AM input. **FREQUENCY RANGE:** 28.0-28.5, 28.5-29.0, 29.0-29.5, 29.2-29.7, plus a special 26.96-27.33 Mc receiving range for monitoring the Citizens Band. Velvet-smooth, Dual-Ratio tuning system provides exceptionally smooth zero backlash tuning with 5 kc calibration increments. Selectable upper and lower sideband - 100 kc crystal calibrator...Plus many other features.

**SWAN MODEL 1011 ACCESSORIES**

- SHURE 444 Base Station microphone (wired)....\$ 35.00
- SHURE 404C Mobile microphone (wired)..... 28.00
- VOX II Plug-in Voice Control Unit ..... 35.00
- Universal Mobile Mount..... 12.00

# Put More PUNCH in Your Signal

with a  
**CONTEX  
LINEAR**



CONTEX model 7001 is one of the worlds smallest mobile linears (only 6"x6"x2"). It's all solid state - which means it draws only 100 milliamps in standby, and approximately only 5 amps in transmit. Up to 40 watts RF output ..... \$139

The CONTEX 500 linear amplifier gives approximately 300 watts out with 3 in. Features easy-to-use "Meter Type" tuning and heavy-duty cooling fan. Has a 6JG6 pre-driver and four 6LQ6 tubes in the final. 110vac. 12" wide, 7"high, 14" long.. \$329



CONTEX 150 linear amplifier gives 150 watts out with 3 watts in. Has a 6JG6A Pre-driver and three 6JG6A tubes in the Final ..... \$189.00  
9-1/4"w, 4-7/8"h, 11"



CONTEX Models: 6706 (Base) and 6801 (Mobile) linear amplifiers provide up to 80 watts output. (18db power gain) Uses a pair of 6JG6A tubes in the Final. 6-3/8" w, 4-3/4"h, 9"l  
MODEL 6706 for 110VAC Base operation \$109.00  
MODEL 6801 for 12VDC Mobile use..... 119.00

A CONTEX linear helps to give your signal the "PUNCH" it needs to get over noise and skip interference on 10 and 11 Meters. (Illegal for use on 11 Meters in USA.) They will work well for AM, FM, DSB, or SSB. All models feature a "Pi-Network" in the output circuit, which makes for easy tuning. Each unit has a built-in automatic antenna change-over relay, which means your CONTEX linear is easy to connect . . . Simply connect a coax jumper lead (not furnished) from your transceiver to the linear input, and your antenna lead to the linear output . . . then simply peak the linear to the antenna for maximum output, per the instructions supplied. A three foot pre-wired jumper cable is available by ordering Amphenol part #581-583 - it sells for \$2.70. If you don't have a jumper cable, may we suggest that you order one with your linear.

## 24 Hr. Clock - \$8.95

8" overall 24-hour chrome-plated metal wall clock. Inner dial with south polar projection map of the world indicates the time around the world at a glance. Polar projection dial can be adjusted for various time zones.



## QSL CARD PACKET for HAMS or CB'ers

**\$1.00 FRAMES — 60 CARDS!**

**EACH PACKET  
FRAMES AND  
DISPLAYS 20  
CARDS IN  
CLEAR PLASTIC**

**POCKETS OPEN  
AT CENTER TO  
RECEIVE CARDS  
EASILY**

**3 Packets 1.00  
10 Packets 3.00**

**SOLVES CARD  
DISPLAY  
PROBLEM AND  
DRESSES UP  
SHACK  
INSTANTLY!**



**TO: AMATEUR ELECTRONIC SUPPLY  
4828 West Fond du Lac Ave.  
Milwaukee, Wis.—53216**

I am interested in the following new equipment:

---



---

I have the following to trade: (what's your deal?)

---



---

*Rush me your quote — I understand that I am under no obligation.*

Name

Address

City & State  Zip Code

Show here your Ham or CB Call (if any)

SEND LATEST RECONDITIONED EQUIPMENT BULLETIN

# CONNECTORS

### COAX CDNECTORS

PL-259 Male Coax Connector	\$ .59
UG-175U Reducer for RG-58	.19
UG-176U Reducer for RG-59	.19
PL-258 Junction (double female)	1.15
SO-239 Chassis Connector — female	.58
UG-106U Hood for SO-239	.49
M-358 Tee Connector	3.09
UG-646 Right-angle Adaptor	1.77
A-F2 Double male	\$.84
C-60P 1-hole mt. chassis connector	.76
31-002 Type BNC Male Connector	.74
82-61 Type N Male Connector	1.38

### COAX ADAPTORS

A-204 UHF Female-to-Male Auto Plug	\$.154
A-210 UHF Female-to-Male Phone	1.36
4400 UHF Female-to-Male Type N	3.64

### POPULAR MICROPHONE CONNECTORS

80-MC2M 2-pin male plug	\$.80
80-PC2F 2-pin female chassis mt. socket	.68
80-MC2F 2-pin female in-line socket	.85
91-MC3M 3-pin male plug	1.11
91-PC3F 3-pin female chassis mt. socket	.80
91-MC3F 3-pin female in-line socket	1.13
91-MC4M 4-pin male plug	1.16
91-PC4F 4-pin female chassis mt. socket	.76
91-MC4F 4-pin female in-line socket	1.17
75-MC1F 1-conductor mike plug	.70
75-MC1M 1-conductor cable jack	.48
75-PC1M 1-conductor chassis mt. receptacle	.48
75-MC1P Phone plug adaptor	.68

### STANDARD 1/4" PLUGS WITH

#### SOLDER LUG TERMINALS

250 2-conductor — plastic handle	\$.51
280 2-conductor — shielded handle	.72
267 3-conductor — plastic handle	.75
297 3-conductor — shielded handle	.93
40 2-conductor phone plug with screw terminals, black plastic handle is 3/4" diameter	.57
480 (PJ-068) .206" 3-conductor JACK mike plug	2.16
S-12B Chassis-mounted JACK for above	.51

### CHASSIS-MOUNTED JACKS

11 2-conductor — open circuit	\$.30
12A 2-conductor — closed circuit	.33
12B 3-conductor — open circuit	.39

### FLAT MICROPHONE PLUGS

S-230 3-conductor — screw terminals	\$1.23
237 3-conductor — solder type	.93

### PHONO-TYPE CONNECTORS

3501M Plug	\$.06
3501MC Plug — with cable clamps	.09
3501FP Panel-mounted jack	.21
3502 Plug — shielded	.30
3503 In-line extension	.39

### PHONO CONNECTORS WITH NYLON INSULATION FOR RF USE

3505F Panel-mounted Jack	\$.36
3507 Shielded Plug	.48
Motorola Type Antenna Plug	.11



## AUTOMOTIVE FILTERS

## FIGHT NOISE

### GOLD-LINE

Alternator Filter	\$ 4.59
CB Generator Filter	3.49
Voltage Regulator Filter	\$ 3.95

### SPRAGUE FEED-THRU CONDENSERS

48P18 .5mfd 40 amp for Generators	\$ 3.03
48P100 .5mfd 60 amp for Alternators	4.29

### HERMAN SMITH RADIO SUPPRESSORS

805 Snap-on for Spark Plug	\$.45
809 Plug-in for Distributor	.55
810 In-line for Distributor	.30



# BELDEN WIRE

52 OHM COAXIAL CABLE	per ft.
8240 RG-58U (solid center conductor).....	6¢
8259 RG-58AU (stranded center conductor) ....	7¢
8219 RG-58AU as above, but FOAM.....	8¢
8237 RG-8U Coax cable .....	17¢
8214 RG-8U (low loss foam) .....	18¢
<b>ROTOR CABLE</b>	
8484 4-wire (AR-22, U-100) .....	5¢
8485 5-wire (C-225, T-45, AR-33).....	6¢
8448 8-wire (HAM-M, TR-44) .....	11¢
8488 8-wire (TR-2C) .....	7¢



Also see page 41  
for ready made  
Coax assemblies.

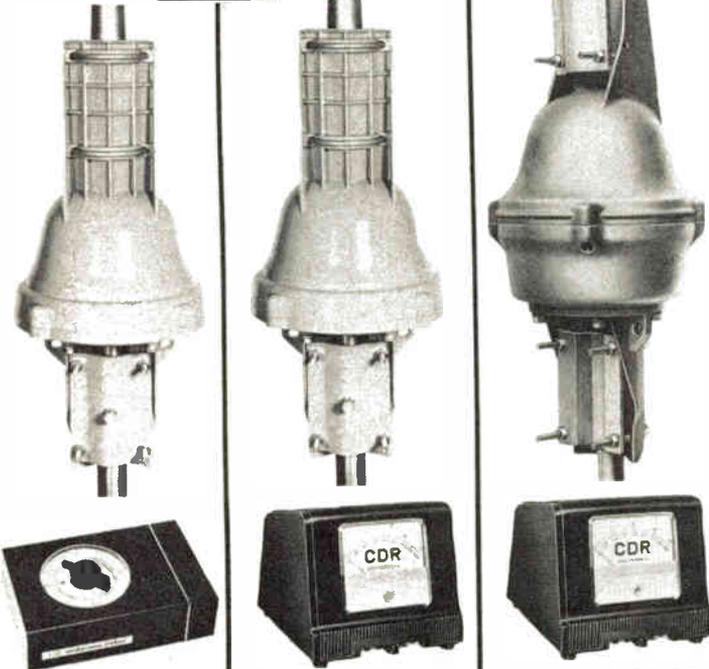
# ALLIANCE ROTORS

T-45 Manual - 5 wire .....	\$ 24.03
U-100 Automatic - 4 wire .....	28.78
C-225 Automatic - 5 wire .....	35.97
TBB Thrust Bracket .....	2.97

See Belden listing for Rotor Wire.



# CORNELL-DUBILIER ROTORS



**AR-22R \$34.95      TR-44 \$69.95      HAM-M \$129.95**

CORNELL DUBILIER rotors are the favorite of Hams and CB'ers throughout the world. All three models listed utilize the strong Cornell Dubilier Bell Casting motor units, and may be mounted on a mast or inside a tower on a rotor plate.

The AR-22R rotor is designed for TV antennas and small CB beams. The control box is automatic and is calibrated in increments of 6 degrees. You set the pointer to the desired location - the antenna turns to there and stops. .... \$ 34.95  
BELDEN #8484 4-wire rotor cable for AR-22R 5¢ per foot

The TR-44 rotor is designed for intermediate loads, and is suited for many of the medium-sized CB beams available. A disc-clutch brake arrangement holds the antenna in position during periods of heavy winds. .... \$ 69.95  
BELDEN #8448 8-wire rotor cable for TR-44 11¢ per foot

The HAM-M rotor is designed to support and rotate the largest CB antenna systems available - such as the big Duo-beams and large antennas such as the Moon Raker, Eliminator, Super Fires, Big Guns, etc. The HAM-M has a positive mechanical brake to lock the rotor position against the heaviest winds, and will support up to 1,000 pounds of dead weight. .... \$129.95  
BELDEN #8448 8-wire rotor cable for HAM-M 11¢ per foot

Both the TR-44 and HAM-M rotors have similar control boxes. They consist of a large direction-indicating meter calibrated in 360 degrees. You turn the rotor by pressing the lever on the front of the control box either to the right or left. Since it is a manual-type control, you can stop the rotation in any precise direction you may desire.

# MICROPHONES



## TURNER

### BASE STATION MICROPHONES

+2 has built-in pre-amp w/variable output ..	\$ 33.00
+3 has pre-amp AND compression amp .....	45.00
Extra 216 battery for +2 or +3 .....	.53
254C Ceramic .....	19.20
254X Crystal .....	19.20
454C Ceramic - for SSB .....	21.60
454X Crystal - for SSB .....	21.60

### MOBILE MICROPHONES

M+2U Transistorized pre-amp w/variable output wired for relay switching.....	\$ 27.00
JM+2U (for Electronic Switching) .....	27.00
Extra TR-175 battery for M+2U and JM+2U ..	1.27
350C Ceramic .....	9.00
J-350C (for Electronic Switching) .....	9.00
355C Ceramic .....	9.00
360R Carbon .....	12.60
360 Ceramic (for Relay Switching) .....	10.20
J-360 Ceramic (for Electronic Switching)....	10.20
360 LOW Z For low-impedance transistorized CB sets such as Johnson .....	10.80
C-9035A2 Replacement Dash Bracket.....	.38
Replacement Coiled Microphone Cord .....	2.25
DB-1 Magnetic Dash Bracket.....	.90

## ASTATIC

The ASTATIC UG8-D104 crystal microphone, with its Hi-output and Good Clear Penetrating Sound, is the favorite of CB'ers Worldwide. Gleaming chrome! Supplied with universal heavy-duty grip-to-talk desk stand with sliding clamp for "lock-on" operation. (For electronic OR relay switching) ... \$ 33.72



UG8-D104

## SHURE

SHURE Model 444 is the most popular Hi-Impedance Base Station microphone for SSB. Rugged, reliable, more natural sounding, controlled magnetic cartridge has output equal to a crystal unit! Specially tailored response with rising characteristic and sharp cut-off below 300 and above 3,000Hz insures highest "Talk Power". Press-to-talk bar with optional locking feature provides ideal switching functions for both "press-to-talk" or VOX operation. Stand height is adjustable. Gray "Armo-Dur" plastic case. 10 3/8" h, 4" w, 5 3/4" d. 1 1/2 pounds. 7 foot cord. .... \$ 29.40

SHURE Model 444T microphone is similar to the 444, except has a built-in 2-transistor preamplifier to give a Variable high output. Frequency response is 200 to 6,000Hz, good for AM, FM, or single side-band units. 5 foot coiled cord. Less battery. .... \$33.60  
Eveready #216 battery for 444T..... .53

SHURE Model 404C is one of the best close-talking mobile microphones available. This controlled magnetic, hi-impedance mike fits snugly in the palm of the hand and has a push-to-talk switch. Frequency response is 400 to 4,000Hz. Rugged "Armo-Dur" plastic housing is approximately 3 1/8" high, 2 3/8" wide, 1 1/8" deep. Coiled cord and mounting bracket. 10 ounces..... \$ 22.80

SHURE Model 401A is a lower-cost controlled magnetic hi-impedance mobile microphone. .... \$ 15.00



404C

444

# HEIGHTS MFG. ALUMINUM TOWERS

## SECTIONAL DESIGNATIONS

**SAVE 30%**  
PLEASE DEDUCT 30%  
FROM PRICES SHOWN

Each section is an eight foot high equilateral triangular welded truss, the width of which is indicated in inches by the suffix -11, -14, -18, -22 or -26.

The letter designations mean;

- AT Aluminum Top (With Collar)
- AC Aluminum Center (Straight)
- AJ Aluminum Junction (Tapered)
- HAC Heavy Aluminum Center (Straight)
- HB Hinged Base (Steel)

Sections are shipped in nested bundles whenever possible for easy handling and storage.

**Towers over \$200**  
Shipped **PREPAID\***

In USA excluding  
Alaska & Hawaii

Each of these towers, of any height up to the maximum recommended for the particular antenna load, can be climbed and stacked section by section or, where room permits, can be completely assembled and wired with the antenna at ground level and then hinged upright upon the appropriate self-supporting HINGED BASE.

**HB-14** (Hinged Base for 14' sections.)  
No concrete is normally needed.

**HB-18** (Hinged Base for 18' sections.)  
Should be set in about 1 cu. yd. of concrete.  
(3' x 3' x 3' deep)

**HB-22** (Hinged Base for 22' sections.)  
Should be set in about 2 cu. yds. of concrete.  
(4' x 4' x 4' deep)

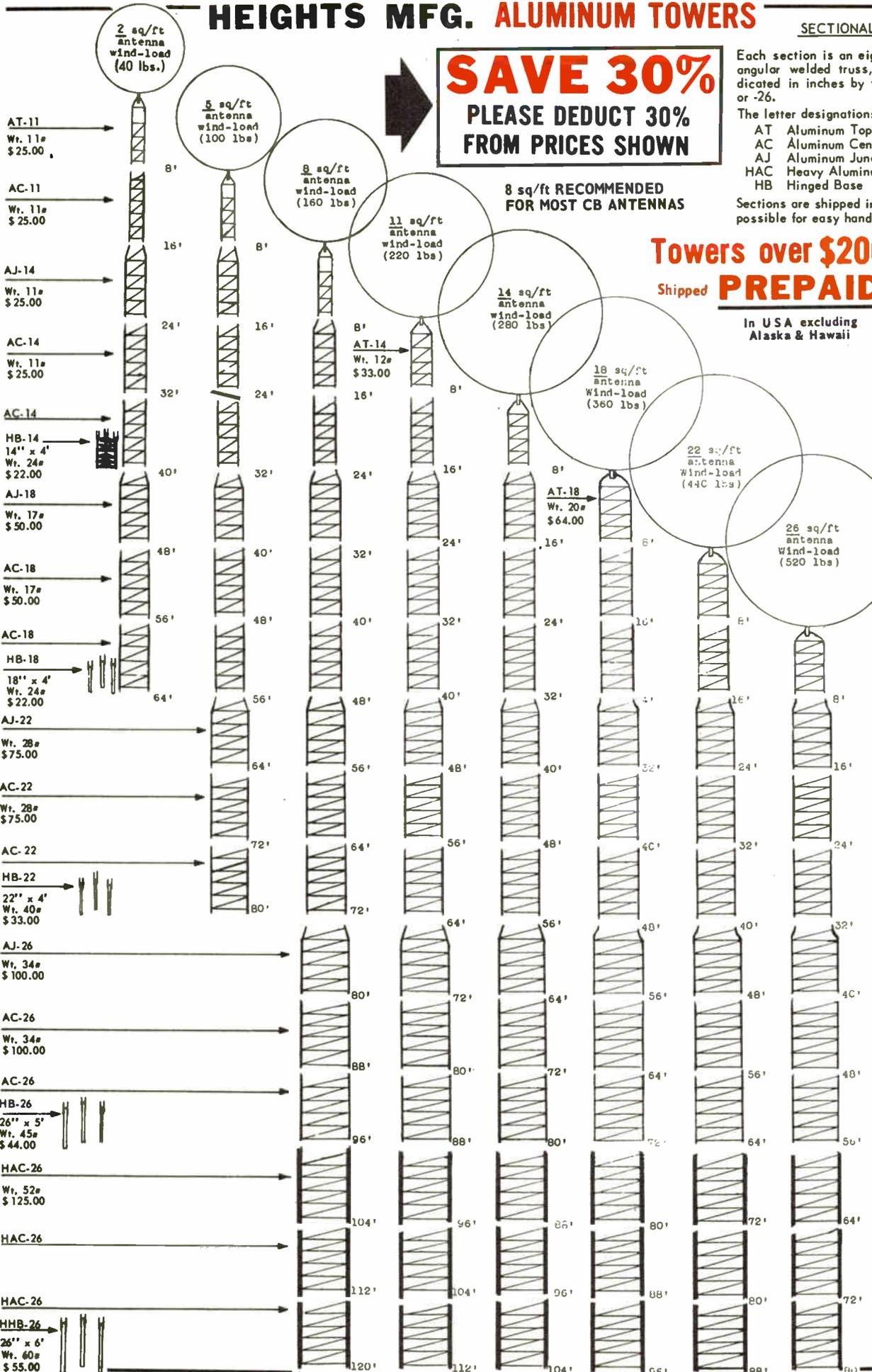
**HB-26** (Hinged Base for 26' sections.)  
Should be set in about 4 cu. yds. of concrete.  
(4½' x 4½' x 5' deep)

**HMB-26** (Hinged Base for heavy 26' section).  
Should be set in about 6 cu. yds. of concrete.  
(5' x 5' x 6' deep)

**NOTE:** The HB-18, HB-22, HB-26 and HMB-26 should be bolted in place to the bottom tower section and trued up vertically while the concrete is setting. Allow several days to set before erecting rest of tower.

**Average WIND-LOADS**  
(in terms of square feet) of the common types of TV and radio antennas.

- Most TV and two-way radio antennas and small 2 & 6 meter beams. 2 sq./ft
- Very large TV and two-way radio antennas, 6 & 10 meter beams and small tri-banders. 5 sq./ft
- Medium 20 & 40 meter beams and medium tri-banders. 8 sq./ft
- Large 20 & 40 meter beams and large tri-banders. 11 & 14 sq./ft
- Very large 20 & 40 meter beams and various large multiple antenna arrays. 18, 22 & 26 sq./ft



AT-11  
Wt. 11#  
\$25.00

AC-11  
Wt. 11#  
\$25.00

AJ-14  
Wt. 11#  
\$25.00

AC-14  
Wt. 11#  
\$25.00

HB-14  
14" x 4"  
Wt. 24#  
\$22.00

AJ-18  
Wt. 17#  
\$50.00

AC-18  
Wt. 17#  
\$50.00

HB-18  
18" x 4"  
Wt. 24#  
\$22.00

AJ-22  
Wt. 28#  
\$75.00

AC-22  
Wt. 28#  
\$75.00

HB-22  
22" x 4"  
Wt. 40#  
\$33.00

AJ-26  
Wt. 34#  
\$100.00

AC-26  
Wt. 34#  
\$100.00

HB-26  
26" x 5"  
Wt. 45#  
\$44.00

HAC-26  
Wt. 52#  
\$125.00

HMB-26  
26" x 6"  
Wt. 60#  
\$55.00

# HEIGHTS ALUMINUM TOWERS – PRICE LIST

Towers can be ordered as a package, for example; assume that the 20 lb. per sq/ft rating (80 MPH) is sufficient for the area and situation and that the antenna wind-load will not exceed 8 sq/ft projected area and that the tower must be 40 ft. high and must have a hinged ground base; then the specific tower to be ordered would be the A40w/HB (8 sq/ft). The price sheet below gives this tower a List Price of \$197.00 and a weight of 91 lbs. In addition, the exact sectional composition of this tower is diagrammed on the inside of this sheet and can be used to order individual sections for extending the tower (follow the diagram exactly if the same antenna wind-load is to be maintained).

**Please deduct 30% from LIST prices shown below.**

Tower Package	2 sq./ft. Load		5 sq./ft. Load		8 sq./ft. Load		11 sq./ft. Load		14 sq./ft. Load		18 sq./ft. Load		22 sq./ft. Load		26 sq./ft. Load		
Designations	List Price	Wt.	List Price	Wt.	List Price	Wt.	List Price	Wt.	List Price	Wt.	List Price	Wt.	List Price	Wt.	List Price	Wt.	
A 32	\$ 100.00	44#	\$ 100.00	44#	\$ 125.00	50#	\$ 158.00	57#	\$ 183.00	63#	\$ 239.00	82#	\$ 264.00	93#	\$ 289.00	104#	
A 32 w/ HB	122.00	68	122.00	68	147.00	74	180.00	81	205.00	87	272.00	122	297.00	133	322.00	144	
A 40	125.00	55	150.00	61	175.00	67	208.00	74	258.00	91	314.00	110	349.00	121	389.00	138	
A 40 w/ HB	147.00	79	172.00	85	197.00	91	230.00	98	291.00	131	347.00	150	382.00	161	433.00	183	
A 48	175.00	72	200.00	78	225.00	84	283.00	102	333.00	119	389.00	138	449.00	155	489.00	172	
A 48 w/ HB	197.00	96	222.00	102	247.00	108	316.00	142	366.00	159	422.00	178	493.00	200	533.00	217	
A 56	225.00	89	250.00	95	300.00	112	358.00	130	408.00	147	489.00	172	549.00	189	589.00	206	
A 56 w/ HB	247.00	113	272.00	119	333.00	152	391.00	170	441.00	187	533.00	217	593.00	234	633.00	251	
A 64	275.00	106	325.00	123	375.00	140	433.00	158	508.00	181	589.00	206	649.00	223	714.00	258	
A 64 w/ HB	297.00	130	358.00	163	408.00	180	466.00	198	552.00	226	633.00	251	693.00	268	769.00	318	
A 72	2 sq./ft. configurations not recommended for these heights.		400.00	151	450.00	168	533.00	192	608.00	215	689.00	240	764.00	275	839.00	310	
A 72 w/ HB			433.00	191	483.00	208	577.00	235	652.00	260	733.00	285	819.00	335	894.00	370	
A 80			475.00	179	550.00	202	633.00	226	708.00	249	814.00	292	889.00	327	964.00	362	
A 80 w/ HB			508.00	219	594.00	247	677.00	271	752.00	294	869.00	352	944.00	387	1019.00	422	
A 88		5 sq./ft. configurations not recommended for these heights.		650.00	236	733.00	260	833.00	301	939.00	344	1014.00	379				
A 88 w/ HB				694.00	281	777.00	305	888.00	361	994.00	404	1069.00	439				
A 96				750.00	270	858.00	312	958.00	353	1064.00	396						
A 96 w/ HB				794.00	315	913.00	372	1013.00	413	1119.00	456						
A 104				875.00	322	983.00	364	1083.00	405								
A 104 w/ HB				930.00	382	1038.00	424	1138.00	465								
A 112				1000.00	374	1108.00	416										
A 112 w/ HB				1055.00	434	1163.00	476										
A 120				1125.00	426												
A 120 w/ HB				1180.00	486												

**TOWERS OVER \$200 shipped PREPAID\***

In USA excluding Alaska & Hawaii

## TOWER ACCESSORY LIST

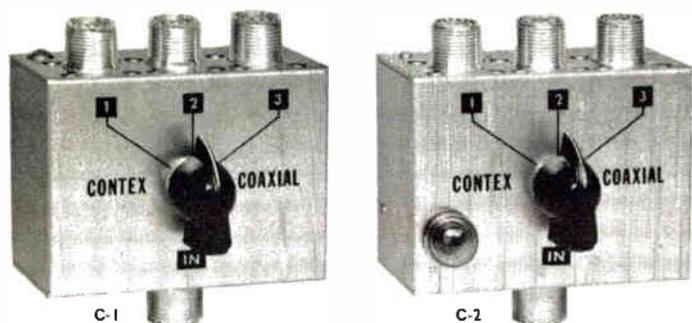
Designation	Description	LIST PRICE	Wt.	Designation	Description	LIST PRICE	Wt.
<p>NOTE: All top sections normally carry 1 1/16" I. D. collar with set screws, as do mast collars of any size. Upon customer specification larger collars are available at no extra charge (except for the AT-11, which, designated the AT-11 mod., carries an extra List charge of \$8.00). Following is a list of top section prices, if ordered as a separate item. Specify collar size, if other than standard.</p>				RP-11	Rator Post for AT-11, clamps to tower leg	\$ 3.00	2#
				RP-14	Rator Post for AT-14, clamps to tower leg.	5.00	3#
				RS-11	Rator Shelf for AT-11, heavy duty, clamps to all three tower legs.	14.00	3#
				RS-14	Rator Shelf for AT-14, heavy duty, clamps to all three tower legs.	18.00	4#
				RS-18	Rator Shelf for AT-18, heavy duty, clamps to all three tower legs.	22.00	5#
				NOTE: Above Rotor Shelves are drilled for the Ham-M			
AT-11	11" x 8", standard collar	\$ 25.00	11#	HB-14(30")	Shorter version of HB-14, but must be used with concrete or wall brackets.	14.00	12#
AT-11 mod.	11" x 8", collar to 2 1/2" I. D.	33.00	11#	HRM-14	Hinged Roof Mount for 14" guyed towers	14.00	8#
AT-14	14" x 8", collar to 2 1/2" I. D.	33.00	12#	HRM-18	Hinged Roof Mount for 18" guyed towers	22.00	20#
AT-18	18" x 8", collar to 3" I. D.	64.00	20#	HRM-22	Hinged Roof Mount for 22" guyed towers	33.00	30#
AT-22	22" x 8", collar to 4" I. D.	95.00	30#	HRM-26	Hinged Roof Mount for 26" guyed towers	44.00	40#
A'1-26	26" x 8", collar to 5" I. D.	125.00	35#	SOHB	Screw -Operated Hinged Base, designated SOHB-18, SOHB-22 or SOHB-26, depending upon tower selection.	250.00	210#
Mast, 1 1/4" O.D.	Hi-Tensile Alum, 8' x 14 ga.	8.00	3#	FOK	Fold-Over Kit, designated FOK-18, FOK-22 or FOK-26, depending on section size at folding point.	200.00	125#
Mast, 1 1/2" O.D.	Hi-Tensile Alum, 8' x 11 ga.	10.00	5#				
Mast, 1 3/4" O.D.	Hi-Tensile Alum, 8' x 11 ga.	12.00	6#				
Mast, 2" O.D.	Hi-Tensile Alum, 8' x 11 ga.	14.00	7#				
Mast, 2" O.D.	Hi-Tensile Alum, 16' x 11 ga.	28.00	14#				

\* Not including any special "Residential delivery charges" assessed by some truck lines

## COAX SWITCHES



ASTRO ELECTRONICS Model SW-HVA is a three-position antenna switch, with all connections on the back, for a neater installation. Look at its clean, modern design!. approximate dimensions: 5 1/4" w, 3" h, 4" d ..... \$ 11.95



CONTEX C-1 3-position coaxial antenna switch..... \$ 7.95  
 CONTEX C-2 identical to C-1, except has RF indicator lite..... 8.95

## Waters ANTENNA SWITCHES

with  
**Lightning Protection**



WATERS "Protax" coaxial switches function as regular antenna selector switch, with the additional feature that you can automatically ground the entire antenna system when the rig is not in use.

Model 375 6-position rear mounted connectors (axial)..... \$ 13.95  
 Model 376 5-position side mounted connectors (radial)..... 12.50

## INCREASE your "Talk Power"

WATERS  
 Model 359



WATERS COMPREAMP MODEL 359 is a preamplifier and limiter that increases the effective speech power output of a transmitter up to four times. Self-contained and battery powered, the two-stage transistorized Compreamp is designed to be used with all types of transmitters. Compreamp connects between the microphone (50,000 ohm dynamic or high impedance ceramic) and the transmitter microphone input connector without any wiring change. Provision is made for switching the Compreamp in and out of the circuit ..... \$ 27.95

ASTRO ELECTRONICS VM-120 Power Modulator increases your "Talk Power" without increasing wattage output. An In-and-Out switch allows you to leave this device in the line at all times. When you want power modulation - turn it on! No complicated wiring to your CB set - simply install the mike connector, supplied, to your present mike, etc. 110vac. 3 1/4" h, 7 1/4" w, 5" d. .... \$ 49.95

## CB TEST SET

EICO MODEL 715

- Self-Powered
- Measure RF Output to 50 watts
- Check SWR
- Ideal for Antenna Adjustment
- Indicates Modulation Percentage
- Field Strength Meter
- Built-in Dummy Load



\$39.95 KIT \$59.95 WIRED

## INTERFERENCE FILTERS



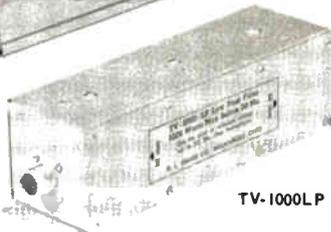
TV-300HP



TV-CB-LP



LN-4



TV-1000LP

DRAKE TV-300HP High Pass Filter attaches to TV set to help prevent strong CB signals from over-loading the "TV set's front end" ..... \$ 4.95

DRAKE TV-CB-LP Low Pass Filter goes in the CB set's antenna feed line and helps attenuate harmonics that might cause TVI. Rated for up to 100 watts input..... \$ 7.65

DRAKE TV-1000LP Low Pass Filter is similar to above, but will take up to 1000 watts input..... \$ 18.75

DRAKE LN-4 Line Filter is used to help eliminate interference from the 110 volt power line. May be used with a CB or TV set. Will handle up to 6 amps \$ 8.00

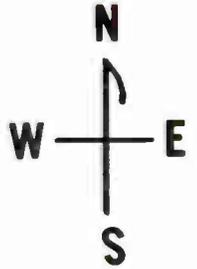
# AMATEUR ELECTRONIC SUPPLY

4828 W. Fond du Lac Ave. Milwaukee, Wis. - 53216 — Ph. (414) 442-4200

STORE HOURS: Mon & Fri - 9 am to 9 pm - Tues, Wed, Thurs - 9 am to 5:30 pm - Sat - 9 am to 3 pm.

# AMATEUR ELECTRONIC SUPPLY

4828 West Fond du Lac Avenue  
Milwaukee, Wisconsin 53216

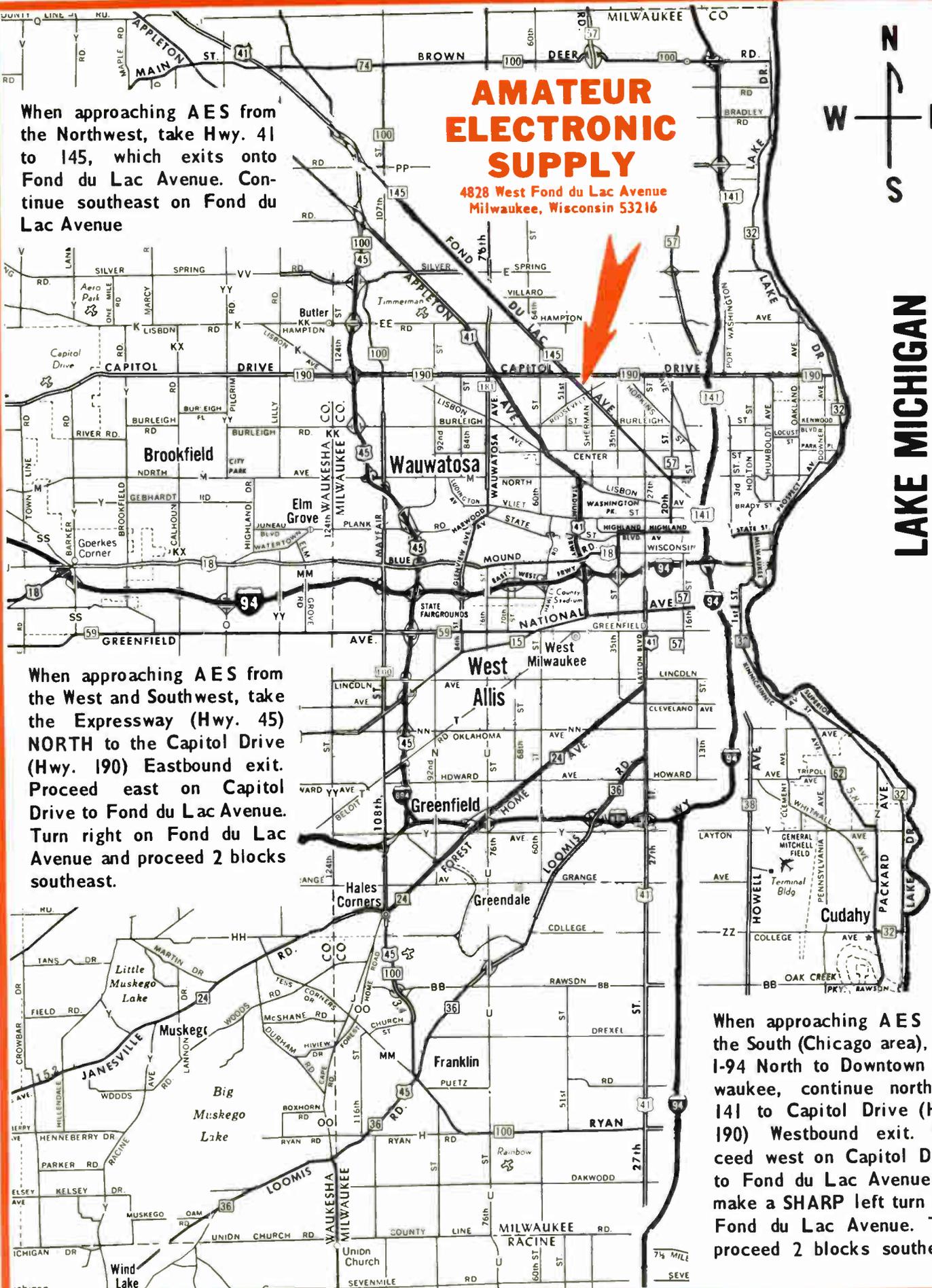


LAKE MICHIGAN

When approaching AES from the Northwest, take Hwy. 41 to 145, which exits onto Fond du Lac Avenue. Continue southeast on Fond du Lac Avenue

When approaching AES from the West and Southwest, take the Expressway (Hwy. 45) NORTH to the Capitol Drive (Hwy. 190) Eastbound exit. Proceed east on Capitol Drive to Fond du Lac Avenue. Turn right on Fond du Lac Avenue and proceed 2 blocks southeast.

When approaching AES from the South (Chicago area), take I-94 North to Downtown Milwaukee, continue north on 141 to Capitol Drive (Hwy. 190) Westbound exit. Proceed west on Capitol Drive to Fond du Lac Avenue and make a SHARP left turn onto Fond du Lac Avenue. Then proceed 2 blocks southeast.



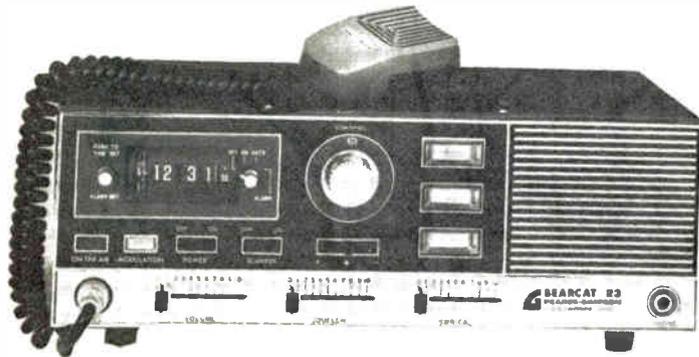
## WARRANTY POLICIES

As advertised, AES Reconditioned Equipment is sold with a Ten-Day Trial and a Thirty-Day Guarantee. On New Equipment, though, no Trial plan is offered, and the New Equipment is guaranteed by the Manufacturer. If, within the Manufacturer's New Equipment Warranty, problems develop, we have two suggested plans for you to follow. (90 days from date of purchase)

**PLAN A** - You may telephone the Manufacturer, Person-to-Person to the Warranty Service Manager. From him you may get the necessary advice to correct the situation; or he will advise you to return it to the factory for warranty repair, etc. If it is necessary to return new equipment to the factory, the manufacturer usually pays shipping charges both ways - if not, at least one way. . . NOW, here's where our part comes in - Amateur Electronic Supply will pay for that phone call to the factory (up to \$7.50); and if you have to absorb any shipping charges, we will pay for these (up to \$15.00). After the equipment is returned to you and is functioning properly, simply send us a copy of your telephone bill with the phone call to the manufacturer circled, and a copy of any freight bills you may have had to pay - we will promptly send you our check as outlined above.

**PLAN B** - If you prefer, you may return New Equipment defective within Warranty to AES rather than the Manufacturer. Amateur Electronic Supply maintains a complete Service Department and is an authorized Warranty Center for most popular lines. Before shipping any New or Reconditioned equipment back to us for warranty repairs, please contact our Service Manager, Mr. Miles Cundy at our Milwaukee store. You may telephone Mr. Cundy Person-to-Person COLLECT. If Mr. Cundy should be tied up at the time you call (as he often is), please **BE SURE** to have the operator leave Your Name and Telephone Number, so he may return your call as soon as possible.

**IMPORTANT!** When returning any equipment (New or Reconditioned) for any reason, **BE SURE** to enclose a letter of explanation with your shipment. When shipping via REA please specify ICC #33G to the agent, make sure the equipment is packed well and, of course, insured for the proper value.



PEARCE-SIMPSON BEARCAT 23 probably has more features than any other CB radio in the world - regardless of price! Ready to go on all 23 channels. PA system. Modulation light. "On-the-Air" light. S/R/F meter. Built-in SWR bridge, with separate meters for reading Forward and Reflected Power. All three meters are illuminated. Automatic noise limiter and true RF noise blanker. Three-position Delta Tune switch. Combination 12vdc and 115vac power supply for base or mobile use. May be tilted upward on pedestal. External speaker jack. Headset jack. Separate on/off power switch. Completely solid-state with integrated circuits and filed effect transistor. Smart clean lines. Brushed aluminum. Die-cast frame. Illuminated dials. Ultra-modern slide controls for volume, squelch and SWR calibration. The digital clock may be programmed to automatically turn the set on at a pre-selected time, or will ring an alarm, etc. 15" wide, 5 1/4" high, 8 3/4" deep. 15 1/2 pounds. Supplied with microphone, AC and DC power cords, mobile mounting bracket, instructions and FCC application form. . . . . \$199.95

Other PEARCE-SIMPSON units available on special order.



**CB DEPARTMENT**

**PERSONAL SERVICE** has made Amateur Electronic Supply famous! Our Mail Order Department uses NO computers - to foul up your Orders. Each Order is handled personally by one of our experienced personnel.

## SHIPPING INFORMATION

When returning any Equipment for any reason, be sure to enclose a letter of explanation with your shipment.

The best way to ship is via United Parcel Service (usually referred to as UPS). United Parcel Service, however, is not yet completely nationwide - so you would have to check with your local United Parcel Service office to see if they can serve Milwaukee, Wisconsin (or the manufacturer's location) from your area. When shipping via United Parcel Service, you will have to take your shipment directly to their office, and prepay the shipping charges. Amateur Electronic Supply will reimburse you for these shipping charges, in accordance with our Trade-In or Warranty policies, when a copy of the bill is presented. Ship via United Parcel Service whenever possible!

When shipping via REA Express, please specify the ICC commodity rate #33G to the REA agent. Also, please make sure that the agent is satisfied with the way the equipment is packed.

When shipping via Parcel Post, please keep in mind that the maximum amount of insurance you can get per package is \$200.00; therefore, please try to avoid shipping any item via Parcel Post that has a retail value in excess of \$250.00. When shipping equipment via Parcel Post, in addition to proper insurance, please also request & purchase "Special Handling" - which means your equipment is supposed to be treated better.

Be sure that your equipment is packed well and Insured for the Proper value. Amateur Electronic Supply (or the manufacturer to whom you return equipment) can assume no responsibility for merchandise damaged in shipping due to poor packing, or for equipment damaged in shipping that has not been properly insured. Enclose a letter of explanation with each shipment.



The SONAR AUTO-SCANNER is an FM monitor receiver that will signal-search and automatically lock a signal on any of 8 programmed channels. A Priority Channel signal will lock to the exclusion of all other signals. Carrier Delay allows you to hear mobile callbacks (if on the same channel). Manual selection is accomplished by Slow-Scan technique. 117vac or 12vdc. 7" x 2 1/4" x 8 1/2" Sonar Model FR-2514 for 25-50 MHz FM. . . . . \$189.95

Sonar Model FR-2515 for 150-175 MHz FM. . . . . 189.95

Crystal Certificates allow you to order crystals from the mfr. . . . . \$5.00 ea

SONAR 2902 Automatic PORT-A-PAK for above FM Monitor Receivers

**Mosley**

the **MAXI-mini-beam**

<b>MAXI-PERFORMANCE</b>	<b>MINI-SIZE</b>
Forward Gain: 9.6 db over isotropic source, 7.5 db comp. to ref. dipole	Boom Length: 9'
Front-to-back Ratio: 25 db	Max. Element Length: 11' 5"
	Turning Radius: 7' 3"
	Assembled Wt.: Approx. 6 lbs.

The MOSLEY GA-3D Deluxe Mini-Beam does almost everything a full-sized 3-element beam will do, except it is much SMALLER and therefore uses less space; it is easier to handle and easier to stack. It is lighter so you can use an inexpensive TV rotor and mount. The key to the Mini-Beam is its High "Q" Loading Coils, that provide Full Electrical length but Minimum Physical length. Because its parts are pre-assembled and color coded, it can be assembled in as little as 15 minutes.

GA-3D Three element MINI-BEAM. . . . . \$ 34.21

GA-33D Two GA-3D Mini-Beams with stacking kit. . . . . 97.47

GA-3SK Stacking kit only. . . . . 29.05

# All about our REVOLVING CHARGE PLAN

No more bulky coupon books! Once a month you receive an itemized statement showing your account transactions during that month and the minimum monthly payment required. Payments and purchases made near the billing date will be shown on your next statement.

A service charge of 1½% per month (or a minimum charge of \$1.00) is added to your balance monthly. If you decide to protect your investment by taking the life and property insurance that is available, separate insurance charges are then included in your balance. On outstanding balances in excess of \$1,000.00, the service charge is reduced to 1% of that portion over \$1,000.

**NOTE:** The 1½% monthly service charge is approximately equal to an annual percentage rate of 18%. The 1% service charge on the amount over \$1,000 is approximately equal to an annual percentage rate of 12%.

You control the total service charge you pay on your Revolving Charge Purchase. The total service charge depends upon how fast you pay your account in full. Because service charges are added to your account monthly rather than determined in advance, there is never any complicated refund of unused service charges. . . You just remit the balance shown on your billing, if you wish to pay your account in full.

Amateur Electronic Supply has established this plan for your convenience. All accounting and billing details are handled and provided for us by the General Electric Credit Corporation. For this reason, it is important that you mail your payments to the P. O. Box shown on your monthly statement.

To use our Revolving Charge Plan, an applicant must be at least 21 years of age, be a US citizen, have good credit ratings and regular full-time employment, etc. All Revolving Charge Plan Orders are subject to credit approval.

Normally, only \$10 down is required on orders for new or reconditioned equipment, unless otherwise specified. US citizens living temporarily outside the USA (such as servicemen at APO addresses, etc.) can usually secure approval by making a more substantial down payment of at least 20%. A trade-in cannot act as a down payment. No orders can be processed without that \$10 down to "Seal the Deal".

**IMPORTANT!** Shipping charges cannot be financed. If your Revolving Charge Plan Order is to be shipped via Parcel Post, Air Mail, or United Parcel Service (UPS), in addition to the \$5.00 down payment required, BE SURE to include enough for postage – excess amounts will be promptly refunded. Show the amount you have allowed for postage on line 7 of the order blank. Do not remit for REA, air express or truck shipping charges – they will be collected upon delivery.

The minimum balance that can be financed (after down payment and trade-in) on our Revolving Charge Plan is \$100.00. ADD-ON's of \$50.00 or more can be considered after you have completed at least four monthly payments. Again, the \$10 down payment must be enclosed with all add-on orders, to "Seal the Deal".

A one-time \$1.00 "Official Fees" charge is made on your First contract when you open a Revolving Charge Account. The purpose of this is to help defray some of the expenses of: checking your credit, setting up your account, and the necessary filing fees. Once your account is open, there are no "Official Fees" charges on Add-On orders or Re-Opened accounts that have not been closed for more than six months.

**LOOK** at your low Monthly Payment  
AFTER JUST \$10 DOWN

## REVOLVING CHARGE PAYMENT CALCULATOR

Minimum monthly payment is based on original principal balance to be financed or new balance in the case of add-ons.

Balance	Minimum Monthly Payment
Up to \$300.00	\$10
\$300.01 to 340.00	11
340.01 to 370.00	12
370.01 to 400.00	13
400.01 to 430.00	14
430.01 to 460.00	15
460.01 to 490.00	16
490.01 to 520.00	17
520.01 to 550.00	18
550.01 to 580.00	19
580.01 to 610.00	20
610.01 to 640.00	21
640.01 to 670.00	22
670.01 to 700.00	23
700.01 to 730.00	24
730.01 to 760.00	25
760.01 to 790.00	26
790.01 to 850.00	28
850.01 to 910.00	30
910.01 to 970.00	32
970.01 to 1030.00	34
1030.01 to 1060.00	35
1060.01 to 1220.00	40
1220.01 to 1400.00	45
1400.01 to 1550.00	50
1550.01 to 1700.00	55
1700.01 to 1850.00	60
1850.01 to 2000.00	65
2000.01 to 2150.00	70
2150.01 to 2300.00	75
2300.01 to 2450.00	80
2450.01 to 2800.00	90
2800.01 to 3100.00	100
3100.01 to 4000.00	125

**Minimum initial  
REVOLVING CHARGE  
Order—\$100**

**Minimum Monthly  
Payment—\$10**

**Minimum ADD-ON  
Order—\$50**

## AMATEUR ELECTRONIC SUPPLY

4828 W. Fond du Lac Ave. Milwaukee, Wis. - 53216 Ph. (414) 442-4200

MILWAUKEE STORE HOURS: Mon & Fri - 9 am to 9 pm - Tues, Wed, Thurs - 9 am to 5:30 pm - Sat - 9 am to 3 pm.

# CREDIT APPLICATION

**Enclose with your first REVOLVING CHARGE PLAN order.**

NAME — LAST		FIRST		INITIAL		AGE		<input type="checkbox"/> MRD. <input type="checkbox"/> SEP. <input type="checkbox"/> WID. <input type="checkbox"/> DIV.		SPOUSE'S NAME & INITIAL (IF SINGLE, SO STATE)		NUMBER DEPENDENTS	
ADDRESS — NUMBER		STREET		CITY		STATE		ZIP CODE		HOW LONG YR. MO.		PHONE NO. <input type="checkbox"/> HOME <input type="checkbox"/> NEARBY	
<input type="checkbox"/> RENTING FURNISHED <input type="checkbox"/> BUYING OR OWNS <input type="checkbox"/> RENTING UNFURNISHED <input type="checkbox"/> OTHER		LANDLORD OR MORTGAGE HOLDER AND ADDRESS										RENT OR PMT. \$	
PREV. ADDRESS (IF LESS THAN 5 YRS. AT PRESENT ADDRESS)								HOW LONG YR. MO.		BUYER'S DRIV. LIC. NO.		STATE	
BUYER EMPLOYED BY				ADDRESS OR LOCATION				HOW LONG YR. MO.		SUPERIOR			
SOCIAL SECURITY NO.		DEPT. #	BADGE #	PHONE NO.	EXT.	OCCUPATION		PAYDAY		MONTHLY TAKE HOME PAY		\$	
SPOUSE EMPLOYED BY —				PHONE NO.	EXT.	OCCUPATION		HOW LONG YR. MO.		MONTHLY TAKE HOME PAY		\$	
BUYERS PREVIOUS EMPLOYER						OCCUPATION		HOW LONG YR. MO.		PREVIOUS NET INCOME		\$	
AUTO - YR		MAKE		MODEL		<input type="checkbox"/> PAID FOR <input type="checkbox"/> FINANCED		BANK OR SAV. & LOAN CO. AND ADDRESS				<input type="checkbox"/> CHECKING <input type="checkbox"/> SAVINGS	
IF AUTO OR FURNITURE IS FINANCED, SHOW BY WHOM		AUTO	COMPANY	ADDRESS OR LOCATION									
		1.											
		FURN.	2.										

**Be sure to fill out this form ACCURATELY and COMPLETELY**

Please List Below additional Credit References such as Banks, Finance Companies, etc. — Open or Closed (Paid in Full) within the last two years. If the account you are giving for reference is paid in full, please put an "X" in the "PD column".

ITEM PURCHASED	NAME OF BANK OR COMPANY	ADDRESS OR LOCATION	PD.	ACCOUNT #

LIST TWO RELATIVES AND ONE FRIEND NOT LIVING WITH BUYER.	NAME	ADDRESS	RELATIONSHIP

Use the space below for additional information (if any)

I CERTIFY THAT ALL STATEMENTS IN THE CREDIT APPLICATION SET FORTH ABOVE ARE TRUE AND COMPLETE

X

APPLICANT'S SIGNATURE

DATE

If you have a HAM or CB CALL, please show it in the space below:

**SERVICEMEN!** — Please be sure that someplace on this form you have shown: Your Service Number, Rank, Commanding Officer's Name, and Your Date of Separation, etc.



## Sign here for the STAY ON THE AIR PLAN

I have made the PROPER PAYMENT or DOWN PAYMENT, and I will ship my trade-in to you, well-packed and insured for full value, WITHIN TEN DAYS after I receive your shipment. I understand that, in order to receive full trade-in allowance as quoted, my trade-in must be in GOOD electrical and physical condition, free from modifications, abnormal wear, rust and corrosion, and complete with instruction manuals and original accessories such as power cords, brackets, etc. that originally came with the set new. If my equipment does not meet with your specifications, I agree to pay the cost of labor and parts required to put it in satisfactory condition. I also agree to pay \$3.00 for each instruction manual I fail to ship WITH my trade-in. Before shipping my trade-in, I will clean it up and check the equipment for proper operation on all bands and in all modes for which it was designed, etc. If, in doing this, I find some defect, I understand that if I make a note of them and enclose it with the trade-in, it will help to expedite the final determination of trade-in allowance. I further agree that in the event that my trade-in is not shipped to you within TEN DAYS after receiving your shipment, the trade-in allowance shall be DECREASED by TEN PERCENT for EACH TEN DAYS I fail to ship same.

Signed \_\_\_\_\_ Date \_\_\_\_\_

Persons having a TRADE-IN must COMPLETE the above STAY ON THE AIR PLAN or CHECK the following BEFORE their order can be processed

I am not using your STAY ON THE AIR PLAN, as described above. I want you to hold my order until you receive my trade-in, which I am shipping to you via:

\_\_\_\_\_ on \_\_\_\_\_ (date).

## SHIPPING YOUR TRADE-IN

Normally, Trade-In transactions with firms other than Amateur Electronic Supply are entirely f.o.b. their store, which, of course, means that the customer pays ALL shipping charges. When Trading with Amateur Electronic Supply, if you live in the USA (excluding Alaska and Hawaii) and can ship your Trade-In to us via REA within ten days after you receive our shipment, you may send it to us COLLECT for shipping charges. When shipping your Trade-In to us, specify ICC #33-G to the REA agent, and insure it for the full amount of the trade-in allowance. It is your responsibility to make sure that your Trade-In equipment is well-packed in a sturdy enough carton, etc. - to prevent damage in shipment. Please make sure that there is plenty of packing material around the equipment and that there are plenty of "Fragile" and "Handle With Care" stickers on the outside of the carton. If you don't have any, usually they can be gotten free from the express office. Also, please be sure that the REA agent is satisfied with the way the equipment is packed. If your Trade-In is received in a damaged condition, Amateur Electronic Supply will file a claim, but will assume no responsibility if the transportation company refuses to pay a claim due to improper packing or lack of Insurance, etc.

As stated in the "Stay-on-the-Air Plan" and in the paragraph left, your Trade-In should be shipped to us within ten days after you receive our shipment. The only exception to this rule is that if you should have problems with new equipment and find it necessary to return it to the factory for Warranty repairs. If you notify us of this situation, you may keep your Trade-In (if needed) until you have your new equipment returned to you in good operating condition, etc.

If you live in an area not served by REA, in Alaska or Hawaii, or outside the USA, you are to ship your Trade-In to us via the best method, insured and prepaid.

When shipping your Trade-In to us via REA, BE SURE to ask the REA agent for ICC #33-G, which is a special Commodity Rate available in most states.

## SHIPPING INFORMATION

All outgoing orders are f.o.b. Amateur Electronic Supply, unless otherwise specified. In a case where Amateur Electronic Supply would elect to make a split-shipment of an order, the customer would be required to pay shipping charges ONLY on the FIRST shipment. Any further shipments on that same order will be made at the expense of Amateur Electronic Supply.

When a shipment arrives from Amateur Electronic Supply, please inspect and Count the cartons carefully before signing for the merchandise. If any of the cartons appear to be damaged, please make a notation on the delivering carrier's receipt. If upon unpacking your new equipment you find that the equipment is damaged, be sure to keep all packing material (cartons, etc.) and notify the delivering carrier immediately to make the proper claim. In case of damage - you must make the claim at your end - A. E. S. cannot do it for you.

## United Parcel Service



More and more customers are beginning to request United Parcel Service (UPS). The area AMATEUR ELECTRONIC SUPPLY can serve from Milwaukee is shown to the left. The rates are similar to Parcel Post. Packages may not exceed 50 pounds each or 108" in Length AND Girth. If you select this method of shipment, someone should be at the shipping address to take delivery - after several delivery attempts, UPS returns the parcels to the shipper.

If you specify United Parcel Service (referred to as UPS), Parcel Post or Air Mail, - be sure to enclose enough for shipping charges and insurance. Send plenty! Excess amounts will be promptly refunded. If you are using our Revolving Charge Plan, be sure to enclose at least \$5.00 down in addition to postage. (Shipping charges cannot be financed.)

DO NOT remit for REA, Air Express or Truck shipping charges - they will be collected upon delivery.

## AMATEUR ELECTRONIC SUPPLY

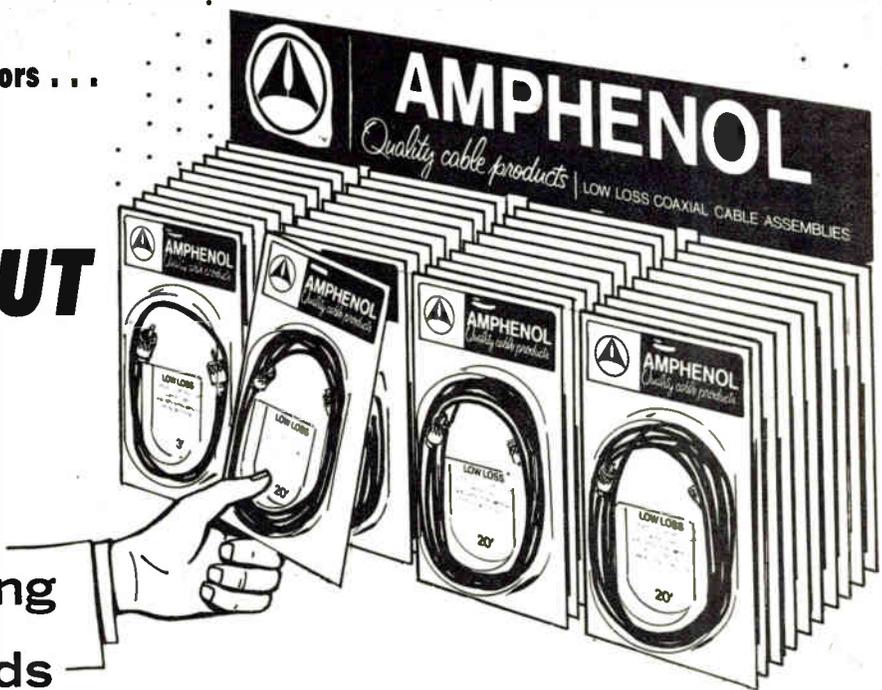
4828 W. Fond du Lac Ave. Milwaukee, Wis. - 53216 — Ph. (414) 442-4200

STORE HOURS: Mon & Fri - 9 am to 9 pm - Tues, Wed, Thurs - 9 am to 5:30 pm - Sat - 9 am to 3 pm.

CB, Ham and Business Radio Operators . . .

# YOU CAN FORGET ABOUT

Measuring,  
Stripping &  
Soldering  
coaxial cable leads



## AMPHENOL Coaxial Cable Assemblies make antenna installations a snap!

You get top quality performance, too!

AMPHENOL Coaxial Cable Assemblies are finest available . . .

- LOW-LOSS POLYFOAM DIELECTRIC CABLE
- TARNISH-FREE ASTROplated® CONNECTORS
- THOROUGHLY TESTED & 100% INSPECTED FOR OPERATIONAL RELIABILITY



All popular lengths are now available in your choice of RG-58/U or RG-8/U type low-loss polyfoam dielectric cable. Installed PL-259 connectors are fully protected by ASTROplate—AMPHENOL'S new, non-tarnishing finish—which has all the advantages of precious metal plus more heat, corrosion, and abrasion resistance than silver ever had!

These cable assemblies are ideal for CB, ham-radio and other communications antenna installations. READY FOR IMMEDIATE USE.

LENGTH	DESCRIPTION	PART NUMBER	PRICE
3'	RG 58/U type cable with two PL-259 (83-ISP) connectors	581-583	\$2.70
12'	RG 58/U type cable with two PL-259 (83-ISP) connectors	581-5812	\$3.42
20'	RG 58/U type cable with two PL-259 (83-ISP) connectors	581-5820-2	\$3.89
20'	RG 58/U type cable with one PL-259 (83-ISP); spade lugs at other end	581-5820	\$3.40

LENGTH	DESCRIPTION	PART NUMBER	PRICE
50'	RG 58/U type cable with two PL-259 (83-ISP) connectors	581-5850	\$6.39
50'	RG 8/U type cable with two PL-259 (83-ISP) connectors	581-850	\$11.20
75'	RG 58/U type cable with two PL-259 (83-ISP) connectors	581-5875	\$8.10
75'	RG 8/U type cable with two PL-259 (83-ISP) connectors	581-875	\$17.30
100'	RG 58/U type cable with two PL-259 (83-ISP) connectors	581-58100	\$9.50
100'	RG 8/U type cable with two PL-259 (83-ISP) connectors	581-8100	\$19.10

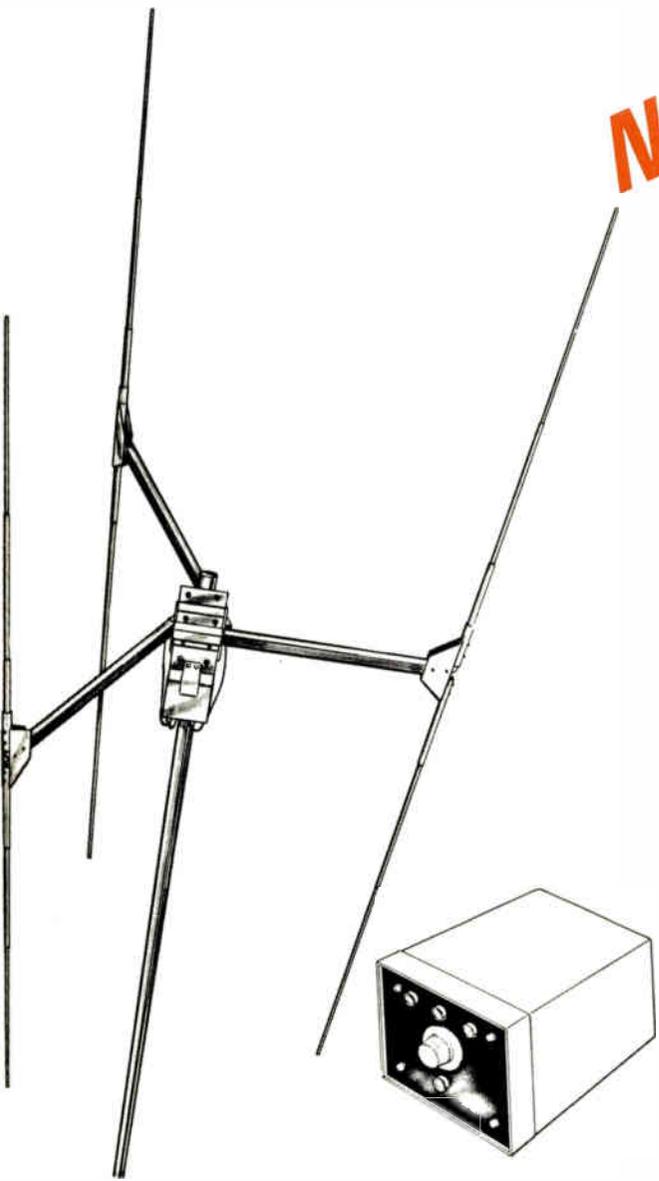
**the antenna specialists co.**  
**STEERABLE BASE STATION antennas**

**New!** **OMNI OR DIRECTIONAL  
 SUPER SCANNER**

**Model MR119**

Incorporating all of the famous features of model M-119 (Scanner)—the new "Super Scanner" now incorporates added features which offer CB'ers even greater benefits!

**OMNI POSITION!** The system now permits OMNI TRANSCIVING WITH TRUE 2.5 dB gain! And the great advantage of three 7.75 dB gain directional positions! And 23 dB front-to-back ratio! The omni position is in effect as long as none of the three directional lights are on—even when the control box line cord is unplugged.



**NEW, BEAUTIFUL CONTROL BOX**

The new Super Scanner control box is of rich variegated cyclac, wood brown in appearance. The control panel is now a leather-type black complemented by a gold control knob. Immediate identification of the chosen direction. Directional lights are red; omni light is white. Convenient power outlet on the back of the control-box for CB transceiver.

**FEATURE SUMMARY:**

- Positive electrical "beaming"—no rotator needed—no waiting "instant Scan!"
- 7.75 dB direction gain
- 2.5 dB omni gain
- 23 dB front-to-back ratio
- More compact than a beam and only 17 pounds
- Easy to install **ONLY \$84<sup>95</sup>**

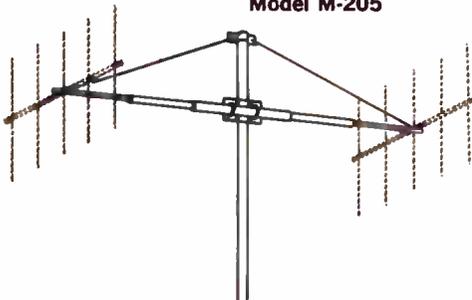
**Soup up your  
 SCANNER!**

**MODEL M-219**

Turn your present Scanner into a Super Scanner with model M-219 conversion kit. Includes new four-position control box; new relay box at antenna; necessary hardware. Gives you Omni-Scanning capability. Suggested resale price: **\$39.95**

**Universal Stacking Kit**

**Model M-205**



A Kit designed for easy installation of any pair of 3, 4 or 5 element beams or quads. Designed for effective wind loads of 100 mph. Special telescopic seamless aluminum alloy tubes. Extend to optimum spacing of any properly designed pair of beams or quads. Complete phased hook up harness and clamps provided for all models except Boss 303 and 304. The Boss 303 and 404 require additional phasing harness, part No. 15D113 at \$12.92.

Compare the fantastic performance figures when used with a pair of the following quality Antenna Specialists models.

- with pair of M-134 5 element beam . . . . . gain 15.5 dB
  - with pair of M-201 4 element beam . . . . . gain 14 dB
  - with pair of M-202 3 element beam . . . . . gain 12.75 dB
  - with pair of M-195 2 element Quad . . . . . gain 10.5 dB
  - with pair of M-214 Boss 404 . . . . . gain 14 dB
  - with pair of M-215 Boss 303 . . . . . gain 12.75 dB
- Shipping weight 15 lbs. UPS shippable.

**only  
 \$49<sup>95</sup>**



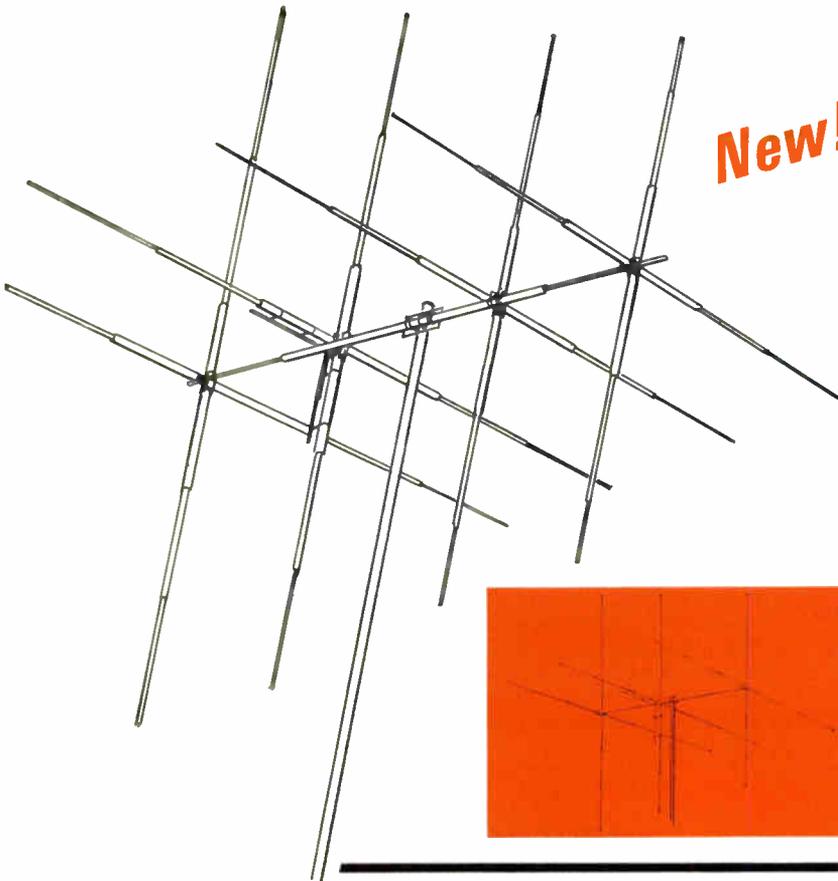
**the antenna specialists co.**  
**STEERABLE BASE STATION antennas**

**New! BOSS 404**  
*hottest CB antenna in the air*

Designed for antenna experts, the Boss 404 is the only antenna that has pure yagi design to focus beamwidth to a narrow 52° with 100 watts effective radiated power (ERP) from a 5 watt CB set. Precision gamma-match feeds provide an SWR of less than 1:5 to 1 with no adjustment; 1.1 to 1 if you like to fine tune. Optimum spacing maximizes front-to-back ratios. Trim sports car-like design with heat-treated aircraft aluminum construction withstands severe wind conditions and allows use with low cost rotor. Boom length—17'. Vertical and horizontal polarization when used with standard co axial switch (not supplied). Mounting clamps accept 1" pipe. Full ½ wavelength elements. Weight only 17 lbs. Model M-214. \$99.95

**BOSS 303**

Features identical to BOSS 404 except has three vertical and horizontal elements. Effective radiated power—70 watts. Boom length—10'3". Weighs only 14 lbs. Model M-215. \$74.95



**New!**  
**4 ELEMENT BEAM**

**Model M-201** The perfect balanced beam for your extended range communication. Lightweight seamless aluminum alloy design permits use with any standard antenna rotor. Boom extends to 12'5" for optimum gain of 11 dB. Unwanted background noise is cut out with up to 25 dB front-to-back ratio. Precise gamma match feed provides perfect VSWR across the entire Citizens Band. Easy installation mounting clamp hardware provided for 1½" pipe mast, no special tools needed. Shipping weight 9.4 lbs. Parcel Post shippable. **NOW ONLY \$44.95**



**Best Value!**  
**5 ELEMENT BEAM**

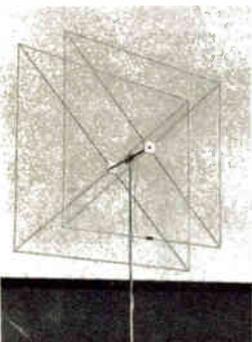
**Model M-134** The greatest 12.5 dB forward gain possible is provided with this precisely spaced 5 element beam, designed with 3 directors and 1 reflector, expertly matched to the active element on a full length 22 foot boom; the maximum possible performance is obtained. With up to 25 dB front-to-back ratio the background signals are eliminated for maximum reception of weak signals in the operating direction. Antenna Specialists unique gamma matching provides perfect VSWR across the entire band. Special lightweight, easy to install, aluminum alloy construction provides rugged long life performance. Complete mounting hardware is provided for 1½" pipe masts. Suggest heavy duty rotor for optimum operation in high wind condition. Shipping weight 21 lbs. UPS shippable container. **NOW ONLY \$49.95**



**"SQUARE RIGGER" basic quad antenna**

**Model M-195** New "Maximum Focus" design with larger reflector element provides consistent 7.5 dB TRUE FORWARD gain. Reduces interference drastically with 30 dB front-to-back ratio.

Unique matching eliminates erratic loading stubs so rain, snow or ice cannot detune the top reliable performance and perfect match across the entire Citizens Band. High strength seamless aluminum alloy tubing with steel core copper clad cable. Complete with all mounting hardware. Weight 15 lbs. **ONLY \$49.95**



**New! 3 ELEMENT BEAM**

**Model M-202** Best possible performance in a rugged 3 element steerable antenna. Boom length of 9'1" provides optimum spacing of the director and reflective elements for a full 9.75 dB forward gain. Unwanted background pickup can be reduced by as much as 25 dB front-to-back ratio. Precise gamma matched feed provides perfect VSWR across the entire Citizens Band. Easiest of all beams to install with lightweight seamless aluminum alloy tubing. Mounting clamps provide for 1½" pipe mast use as fixed beam or with standard antenna rotor. Shipping weight 7.8 lbs. Parcel Post shippable. **NOW ONLY \$39.95.**

# the antenna specialists co.

## OMNI-DIRECTIONAL BASE STATION antennas



**MODEL M-317 "MAG 10"** is similar to the M-227 except that it: is made of white gleaming fiberglass, weighs only 4 lbs, has 115mph wind rating, will take up to 1000 watts and is guaranteed by the mfg. for 10 yrs . . . \$59.95



**Model M-227**

### "MIGHTY MAGNUM III"

**27 MHz CB Base Station Antenna**

Because of their professional performance, more "Magnums" have been sold than any other CB base station antenna! Now from the labs of Antenna Specialists—the outstanding third generation of the "Magnum" series is now available; the "Mighty Magnum III", ½ wave, 4 dB gain, omni-directional CB base antenna.

- New, Red, Power-Tip radials lower radiation angle, increase range.
- 4 dB omni-directional gain increase effective radiated power to 13 watts.
- Dual phasing coil optimizes impedance match, VSWR less than 1.4 to 1.
- New "Stati-Lite Diamond" reduces receiver noise.
- More ruggedly constructed than ever, including new and completely weatherproof transformer jacket, stainless steel set screws, etc.
- Four electrically shortened radials (only 60" long) permit easier installation, decrease wind resistance.
- The attractive, graceful appearance of the "Mighty Magnum III", enhanced by color-matched "Power-Tip" radials and phasing coil, will be the choice of discriminating "CB'ers" for years to come!

Overall height 17 feet. Shipping weight 10 lbs. Parcel Post shippable.

ONLY  
**\$36<sup>95</sup>**

**Model M-117**

### SUPER MAGNUM

The most popular CB Base Station makes even the old sets sound new again.

Easily installed with complete mounting hardware furnished—tuned for perfect match across the entire Citizens Band.

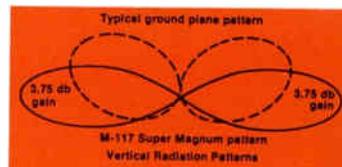
Greatest broad-band talk power with ½ wave length end-fed design now accepted as standard for maximum consistent gain factor of 3.75 dB across the entire Citizens Band with no instability. This permits a 4 watt signal to perform like 11.9 watts of effective power compared to a flat ground plane reference.

Exclusive noise reducing with new D.C. grounded coil design to give a minimum of 6 dB signal to noise improvement.

Greater static reduction with the exclusive curved static ball at the highest physical antenna point.

Flatter power curve for greater range with accurately matched ¼ wavelength radials gives greater RF decoupling and lowest stable radiation angle to extend your signal close to the earth's surface. Shipping weight 10 lbs.

*outsells  
all base antennas*



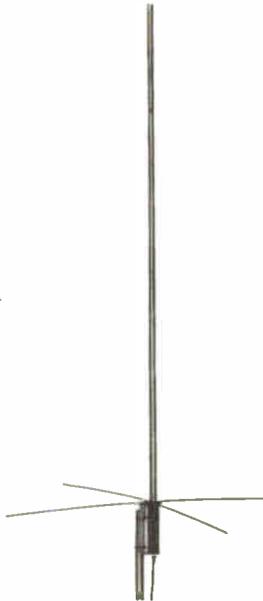
ONLY  
**\$29<sup>95</sup>**

the antenna specialists co.  
**OMNI-DIRECTIONAL  
 BASE STATION antennas**

the original  
**M-81 MAGNUM**

The gain CB antenna that started it all, and still a great buy. Features 2.75 dB gain. Has many of the outstanding "Super Magnum" features at modest cost. "Hi-Q" phasing transformer, four solid aluminum 54" radials, direct ground, dual clamping, and corrosion resistant weatherproof construction. Weight: 9 lbs.

**\$24<sup>95</sup>**



*revolutionary breakthrough*

**Model M-217**

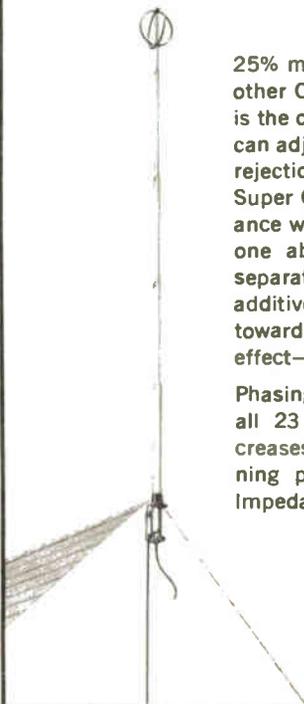
**SUPER COLLINEAR**

Dual Gain, Double Dipole

25% more true omni-directional gain than any other CB antenna made! AND Super Collinear is the only omni-directional antenna which you can adjust to radiate a directional signal—8 dB rejection of unwanted signal off the back side. Super Collinear achieves its superior performance with two ½ wave-length dipole radiators, one above the other with a ½ wavelength separation. The double radiation patterns are additive and the composite pattern is lowered toward the ground. The result is a "dual-gain" effect—in excess of 5 dB!

Phasing transformer provides resonance over all 23 channels. Super "Stati-lite" ball decreases receiver noise. Direct ground for lightning protection. Weatherproof construction. Impedance: 50 ohms. Shipping weight 8 lbs.

ONLY **\$34<sup>95</sup>**



*quality throughout!*

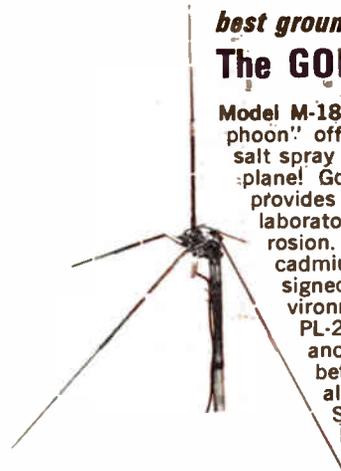
**ECONOMY  
 GROUND PLANE**

**Model M-184** The ideal, sturdy, trouble-free base antenna for starter systems. Quality built with solid aluminum elements and cadmium plated hardware for long life. Three ¼ wavelength radials. Impedance: 50 ohms nominal. VSWR: 1.5:1 or better. Easy installation with cable adaptor for PL-259 connector; Height: 108". Shipping weight 4.5 lbs. **ONLY \$10.95**

*best ground plane*

**The GOLDEN "TYPHOON"**

**Model M-186** New golden bronze "Typhoon" offers twice the resistance to salt spray of any conventional ground plane! Golden bronze irridite finish provides spectacular appearance and laboratory-proven resistance to corrosion. All brackets and hardware cadmium chromate treated. Designed for long life in severe environments. Coaxial fitting accepts PL-259 cable connector. Impedance: 50 ohms. VSWR: 1.5:1 or better. Height: 108". Four solid aluminum ¼ wave radials. Shipping weight 5 lbs. **NOW ONLY \$17.95**



**Model M-20**

Window Mounting Antenna  
 —Perfect for Apartments

For apartment buildings or other locations where permanent antennas cannot be installed. Has 9 foot jointed aluminum radiator, heavy cadmium adjustable mounting brackets. Accepts PL-259. **ONLY \$9.60**

**High Performance Base  
 Antennas for Apartments**

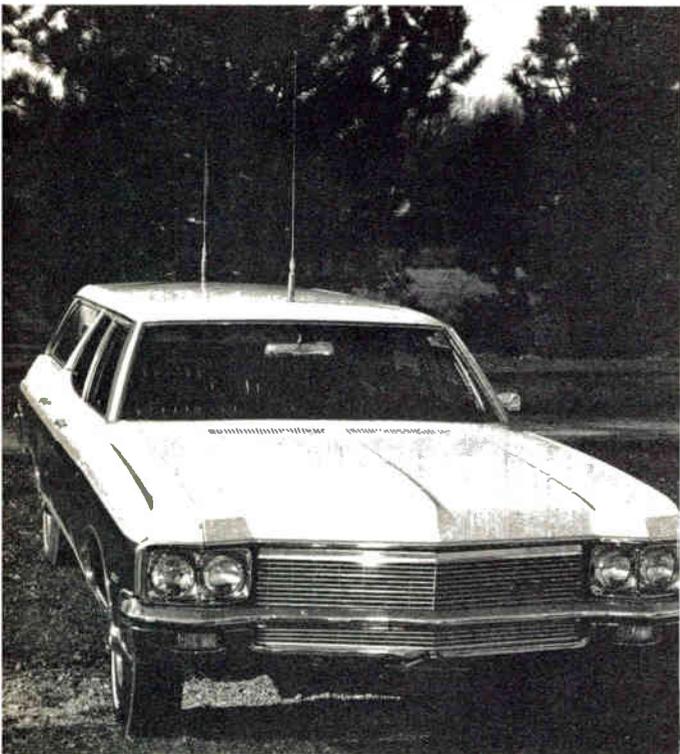
**M-223** New improved rugged stainless steel whip, center loaded full ½ wave antenna requires no metal surface installation for low radiation angle. Gives base station performance anywhere. Constructed with chrome plated brass, stainless steel and cycloc materials. Height 97". Shipping weight 3 lbs. **ONLY \$31.95**

**M-206** Universal mount for M-223 Apartment antenna. An extremely handy bracket designed to mount the M-223 virtually anywhere. Adjusts for any angle from 0° to 180°. Shipping weight 2 lbs. **ONLY \$6.60**



**the antenna specialists co.**

**MOBILE SCANNER**



**The Vehicular Base . . .**

*totally new concept in controlled mobile CB performance.*

First time ever—mobile gain in the low band range! The new mobile Scanner® is in a class by itself. The system consists of two 50 ohm base loaded antennas interconnected through a dash-mounted Scanner Control Box that permits instant electronic switching to any of three positions—front, rear or sides—to produce directional gain in relation to the position of the vehicle.

With the Mobile Scanner, the operator may, for the first time, achieve not only directional gain, but instantaneous scanning capability. He can literally, "search the horizon" by rapidly switching from position to position . . . then "zero in" on the selected signal with the position producing the greatest directional gain.

The diagrams at the right display the approximate signal pattern and dB gain achieved in each of the three selective positions. With the switch in "front" position (figure 1) the signal pattern will be projected forward with 2.0 dB gain in that direction. Front-to-side ratio is 17 dB. In the "rear" switch position (figure 2) approximately 2.5 dB "backward" gain is achieved. By switching to the "side" position (figure 3) the pattern is squeezed to produce better than 1 dB gain in both sideward directions simultaneously.

Correct nine-foot spacing, within six inches, is critical; gain will be produced only with this spacing. Mounting location is not critical; however, if mounted diagonally (such as cowl and opposite rear fender) the pattern will be offset correspondingly.



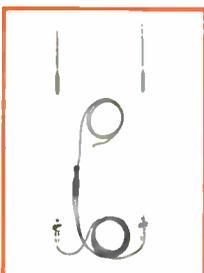
**Model M-231** Consists of a precisely-matched pair of M-125 base loaded antennas suitable for deck or roof mounting; RG-58 interconnecting cables, control box, and all necessary mounting hardware.

**\$49<sup>95</sup>**



**Model M-230** Same as Model M-231, except antennas are Model M-74 with swivel-type mount for universal application to curved surfaces up to 35° from horizontal, such as cowl or fender. Note that if mounted diagonally, pattern will be offset. If mounted on same side of vehicle, sideways gain will be zero in one direction and increased to 2.0 dB in the other.

**\$49<sup>95</sup>**



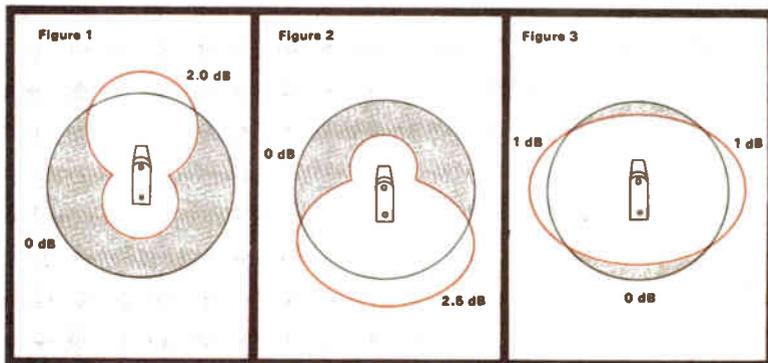
**Model M-229** Includes two Model MR-49 swivel-mount antennas and 18' of interconnecting harness, without control box. This co-phased system does not produce gain but does result in a uniform signal pattern in all directions, thus eliminating blind spots and fading when vehicle direction is changed.

**\$23<sup>95</sup>**



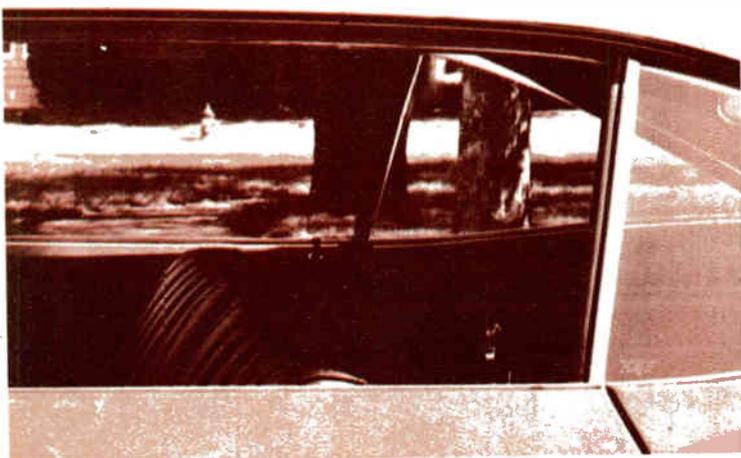
**Model M-228** Mobile Scanner control box only, complete with all dividing circuitry, ready to use with any pair of Antenna Specialists base loaded (only) mobile CB antennas. Permits use of existing antennas, or selection of any desired models to suit your mounting requirements.

**\$19<sup>95</sup>**



# the antenna specialists co.

## MOBILE ROOF TOP antennas



M-303

### ULTIMATE PERFORMANCE "Maggie Mobiles"

**New!**

**M-303** The new performance and styling pacesetter of the CB industry. Offers all the famous performance characteristics of our M-125 with class and style never before available. Features gleaming white PVC base loading coil, tapered shock spring and white "Pultrusion" fiber glass whip. The M-303 has high strength, extreme resistance to corrosion, light weight and is ideal for applications subjected to vibration. Only 46" long. May be mounted on any flat surface with unique  $\frac{3}{8}$ " snap-in mount. Solderless lead connection with no special tools. Tapered slim line stainless steel shock spring offers special whip protection. Includes 17' of cable and connector. Matched to 50 ohms. Shipping weight 1.5 lbs. **ONLY \$19.95**

**M-125** The standard of the industry. Heavy duty, base loaded antenna, only 46 inches long. Roof top application affords excellent omni-directional signal pattern. May be mounted on any flat surface of car. Unique weatherproof "snap-in" mount installs quickly in  $\frac{3}{8}$  inch hole. Solderless lead connection provides easy installation with no special tools. Stainless steel spring offers special whip protection and professional appearance. Includes 17' of cable and connector. Factory matched to 50 ohms. Shipping weight 1.6 lbs.

**ONLY \$17.95**

**M-123** Same as above less shock spring. Shipping weight 1.5 lbs.

**ONLY \$14.95**

**M-124** Same as M-125 except mounts in  $\frac{3}{4}$  inch hole. Provides rugged installation on any flat surface. Antenna lead makes 90° bend at base, guided through "goose-neck" fittings. Shipping weight 1.6 lbs.

**ONLY \$17.95**

**M-67** Same as above less shock spring. Shipping weight 1.5 lbs.

**ONLY \$14.95**

### The "Mighty Mite"!

**M-130** A high performance roof mounter only 18 inches high! Features  $\frac{3}{8}$ " weatherproof snap-in mount and high efficiency center loading coil. All parts chrome plated brass or stainless steel. Solderless connection provides for easy installation with no special tools. Complete with 17' cable and connector. Shipping weight 1.4 lbs.

**ONLY \$15.95**



M-125



M-130

# the antenna specialists co.

## TRUNK MOUNTED MOBILE antennas

**"Quick-Grip"  
for quick  
installation  
—no holes**

**NEW! M-304** Features triple chromed "Quick-Grip" mount that installs in minutes by means of two set screws (on underside of trunk lid). Clamps on center or side of trunk lip—no hole drilling necessary. Gleaming white PVC base loading coil, tapered stainless steel slim-line, shock spring and white "Pultrusion" fiber glass whip provide performance, reliability and styling never before available in a CB antenna. The M-304 has high strength, extreme resistance to corrosion, lightweight and is ideal for applications subjected to vibration. Only 46" long. Solderless lead connection. Includes 17' of cable and connector. Matched to 50 ohms. Shipping weight 1.9 lbs.

**ONLY \$23.95**

**M-193** New special swivel adaptor for use with base loaded antennas mount on fast back automobiles. Inserts between base coil and whip. Adjust to any angle so whip will be exactly vertical for best performance. Shipping weight .2 lbs.

**ONLY \$4.95**

**M-176** For trunk lip mounting—no hole drilling necessary! Antenna Specialists triple chromed "Quick-Grip" mount installs easily and quickly by means of two small set screws (on underside of trunk lid). May be mounted either at the center or on the side of the trunk lid.

Base loaded antenna with attractive gray coil, chrome end fittings, stainless steel whip and spring. Adjustment for extra fine tuning. Overall length 46 inches. Easy to install with no special tools. Solderless lead connection at antenna. Complete with 17 feet RG-58/U and PL-259. Shipping weight 1.9 lbs. **NOW ONLY \$21.95**

**M-175** Includes all the fine features of the Model M-176, except does not have stainless steel spring. Shipping weight 1.7 lbs.

**NOW ONLY \$18.95**



**M-176**

**MR209** Features the new gleaming tapered 38" Armorweave center loaded fiber glass whip mounted on easy installing "Quick-Grip" trunk lid mount with stainless steel shock spring, 17' of cable and connector. Takes impact that will shatter any standard construction fiber glass antenna. Exclusive PEP tuneable tip which allows you to adjust VSWR to a precise match with no tools. Shipping weight 2 lbs.

**ONLY \$21.95**

**MR196** Same as MR209 except has no shock spring. Shipping weight 2 lbs.

**ONLY \$18.95**



**M-127** Trunk groove mounts installs in seconds. No visible holes in car. Just two tiny 1/32" holes in groove of trunk lid. Holds securely and is adjustable to most cars. Complete with stainless steel spring. 17' of RG-58/U cable and PL-259 connector. Shipping weight 2 lbs.

**ONLY \$20.95**

**M-73** Same as Model M-127 except does not include spring. Shipping weight 1.8 lbs.

**ONLY \$17.95**

**MR58** Trunk groove mount identical to that used on Model M-127. Has center loaded fiber glass whip with abrasion resistant Thermofit Polyolefin covering. 17' of RG-58/U cable and PL-259 connector included. Shipping weight 1.7 lbs.

**ONLY \$14.95**

**M-177** Short on size, but not on signal! A high performance antenna, just 20 inches long. Has popular "Quick-Grip" mount for fast no-hole installation. Includes center loading coil, stainless steel spring and beautiful black phenolic base. Solderless lead connection at antenna. With RG-58/U cable and PL-259. Shipping weight 1.6 lbs.

**ONLY \$18.95**

**M-127**

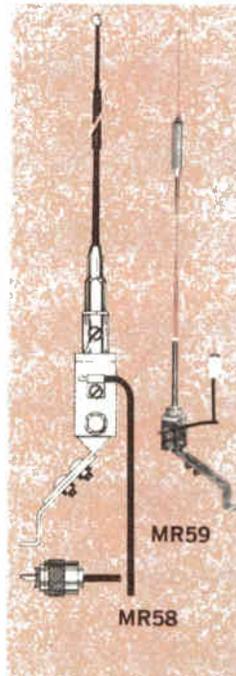
**M-177**

**MR59** Center Loaded Telescoping Antenna 46" low (extended) and 31" (collapsed). Center loaded "CB" antenna. Just the ticket for trunk lid mounting. Bracket is triple chrome plated. Installs in seconds with no visible holes in car. RG-58/U cable with PL-259 connector included. Shipping weight 2 lbs.

**ONLY \$14.95**

**Model M-157** Printed Circuit Antenna This low profile MACH III model is combined with the versatile "Quick-Grip" no-hole mount. Just slip it over the edge of the trunk lid and tighten two set screws. This high performance base loaded antenna with High "Q" printed circuit coil provides minimum VSWR and maximum transfer of RF energy. Cable, connectors and stainless steel spring are included. Shipping weight 2.2 lbs.

**ONLY \$19.95**



**MR59**

**MR58**

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## COWL MOUNT MOBILE antennas

**New!**  
**3-way**  
**performance**



**Model M-103 for CB/AM-FM** New improved center loaded coil mount antenna replaces existing broadcast auto antenna. Special fine tune adjustment provided on the Hi-Q loading coil for perfectly matched operation across the entire Citizens Band. Automatic dividing harness provides for simultaneous reception for standard AM or FM broadcast receiver plus two-way operation of Citizens Band radio. Exclusive weatherproof coil design and triple chromed telescopic mast provides a long life of perfect operation. Fits into  $\frac{7}{8}$ " to  $1\frac{3}{16}$ " hole left by standard auto antenna; complete with cable and harness and connectors for easy installation, nothing more to buy. Shipping weight 1.5 lbs.

**ONLY \$16.95**

**Model M-104** Automatic dividing harness only. Permits CB/AM-FM operation of any ungrounded CB antenna requiring no more than a 5' cable. Shipping weight 0.7 lbs.

**ONLY \$9.45**

M-103

M-104

### Outstanding Maggie Mobile Performance in a Cowl Mount

**M-128** Cowl, fender or slanted deck mount provided for the A/S exclusive hi-performance. Base loaded antenna with swivel mount to allow vertical positioning on a curved surface up to  $35^\circ$ . Only 46" long with preassembled lead connection for easy installation with no special tools, requires  $\frac{7}{8}$ " mounting hole. Complete with 17-7PH tapered stainless whip, shock spring, 17' cable and connectors. Nothing more to buy. Shipping weight 1.7 lbs.

**ONLY \$19.95**

**M-74** Same as described above less shock spring for installation not requiring low clearance. Shipping weight 1.5 lbs.

**ONLY \$16.95**

M-128

### Center Loaded Fiber glass

**MR52** Complete cowl mount antenna system with center loaded abrasion-resistant Thermofit Polyolefin covering. Unique swivel base permits vertical positioning on curved surface up to  $35^\circ$ . Complete with preassembled cable and connectors for easy installation with no special tools in  $\frac{7}{8}$ " mounting hole. Shipping weight 1.1 lbs.

**ONLY \$14.95**

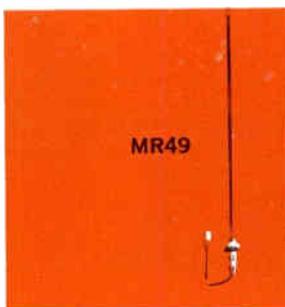


### Center Loaded Telescopic Antenna

**Model MR49** CB cowl mount antenna. A glistening chrome classic example of beauty and function in one low priced package. It includes a 5' length of RG-58/U cable with a PL-259 connector at set end. 46" (extended) and 31" (collapsed). Extra heavy tube size. Center loaded coil may be fine tuned with no special tools. Shipping weight  $1\frac{1}{4}$  lbs.

**NOW ONLY \$14.95**

MR49



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## SPECIAL MOBILE MOUNT antennas

**For permanent or temporary installation anywhere!**

**M-178**

**M-178 "STICK-SHIFT"** Powerful magnet feature lets user shift positions, change vehicles. Or for permanent mount, special double-faced adhesive creates weld-like bond with auto roof or trunk. Cable may be concealed by feeding through small hole in car surface or run under trunk edge. High performance coil is completely concealed in low profile, triple chrome plated base. Fine tuning adjustment. Rugged 17-7PH stainless steel whip. Length just 38 inches. Complete with 17' of RG-58/U cable and PL-259 connector. Shipping weight 1.7 lbs. **ONLY \$16.95**

**M-192** Same feature as M-178 but also includes stainless steel shock spring for trouble-free roof mounting. Shipping weight 2 lbs. **ONLY \$19.95**

**M-131** Center loaded CB antenna designed to mount on rain gutter of any vehicle. Features no-hole installation. Includes RG-58/U cable and PL-259 connector. Only 19" short. Shipping weight 1.2 lbs. **ONLY \$17.95**

**M-1** Rugged professional cast aluminum swivel base with terminal lugs, heavy duty cad. plated spring and tapered 17-7PH 102" whip. Shipping weight 6 lbs. **ONLY \$13.35**

**MX1** Matched swivel base and spring described above less whip. Shipping weight 2.8 lbs. **ONLY \$7.85**

**M-1D** For those who want the very best. Consists of a chrome plated aluminum ball mounted on heavy duty "Cyclocac" insulator, deluxe model chrome plated spring with a bright polished finish and a 102" stainless steel whip. Terminated for solder lug connection. Cable and connector not included. Shipping weight 6.1 lbs. **ONLY \$16.65**

**MX1D** Same as M-1D, except does not include whip. Shipping weight 3 lbs. **ONLY \$11.20**

**M-1**

**MB24** Complete deluxe mobile bumper mount whip system. Installs easily for rugged installation with no holes to drill. Complete with A/S exclusive tapered 17-7PH 102" stainless whip, heavy duty shock spring, deluxe double chain bumper mount 20' cable and connectors plus gutter clip for whip. No soldering required. Nothing more to buy. Shipping weight 6 lbs. **ONLY \$21.95**

**M-180 THE "FLIPPER"** New, no holes to drill, quick installation. Exclusive fold-down gutter clip. Clamps on in seconds and adjusts to five positions from inside the vehicle! Heavy duty chrome plated clamp mount with five position spring loaded position adjustment. Zero, 45° or 90°. Mounted either side of vehicle. Sleek fiber glass whip, center loaded for high efficiency. Complete with RG-58/U cable and PL-259 connector. Shipping weight 1.4 lbs. **ONLY \$17.95**

**M-179 "FLIPPER" MOUNT ONLY.** Does not include fiber glass whip. Includes cable and connector. For antennas with 3/8"-24 thread. Shipping weight 1.0 lbs. **ONLY \$11.95**

**M-168** New temporary or permanent magnet mount. High performance center loaded whip with heavy duty magnet mount. Just stick on and operate. Ideal for quick mobile operation. Shipping weight 1.2 lbs. **ONLY \$16.95**

**M-23** Complete antenna system. Coaxial connector on base completely shields terminal connection. Includes coaxial base mounted on a heavy duty "Cyclocac" insulator, shock absorbing spring, 102" stainless steel whip with removable, plated steel adaptor. RG-58/U cable with PL-259 connectors on both ends, and whip hold-down gutter clip. Shipping weight 5.4 lbs. **ONLY \$19.95**

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## FIBER GLASS AND STAINLESS STEEL WHIPS



**Revolutionary  
"Armorweave"™  
fiber glass whips  
with PEP\*  
tuneable tip**

**M-300** The strongest, longest talking 38" fiber glass antenna ever made. Tapered "Armorweave" construction gives extreme axial and circumferential strength. Will take blows that will shatter any standard construction fiber glass antenna. A solid copper radiator and loading coil are encapsulated within the gleaming white antenna itself to be completely immune to degradation no matter what the environment. All metal parts are triple chrome plated brass.

Another A/S exclusive is the PEP tuneable tip which allows you to adjust VSWR to a precise match with no tools. \*This is particularly important for "peak envelope power" from single side band transceivers. The M-300 is an ideal antenna whip to couple with many of the mounts at the right for a custom antenna system. Fits any mount with a 3/8"-24 thread. Shipping weight 1.5 lbs. **ONLY \$10.95**

**M-301** All the same rugged, revolutionary features as the M-300 except is 72" long and has two piece "quick attach" construction when parking in areas with low overhead clearance. Shipping weight 1.5 lbs. **ONLY \$13.95**

**M-302** Same as M-301 above except has one piece construction. Ideal for use with bumper mount. Shipping weight 1.5 lbs. **ONLY \$11.95**



**Rugged  
"Pultrusion,"  
high performance  
fiber glass whips**

**M-90** Quarter wavelength fiber glass whip. Unique "Pultrusion" manufacturing technique allows the production of this outstanding antenna for far less than you would expect. Full quarter wavelength construction is your assurance of top performance. The chrome plated brass base fits any mount accepting a 3/8"-24 thread. Ideal for use with cowl or bumper mounts shown at right. Sparkling white finish. Shipping weight 1.2 lbs. **ONLY \$9.95**

**MS90** Armorweave full 1/4 wavelength has two section "quick attach" construction that allows instant disassembly in areas with low clearance. Light weight reduces bend back at freeway speeds. Shipping weight 1.2 lbs. **ONLY \$12.95**

**MR90** Same as M-90 except with black finish. Shipping weight 1.2 lbs. **ONLY \$9.95**

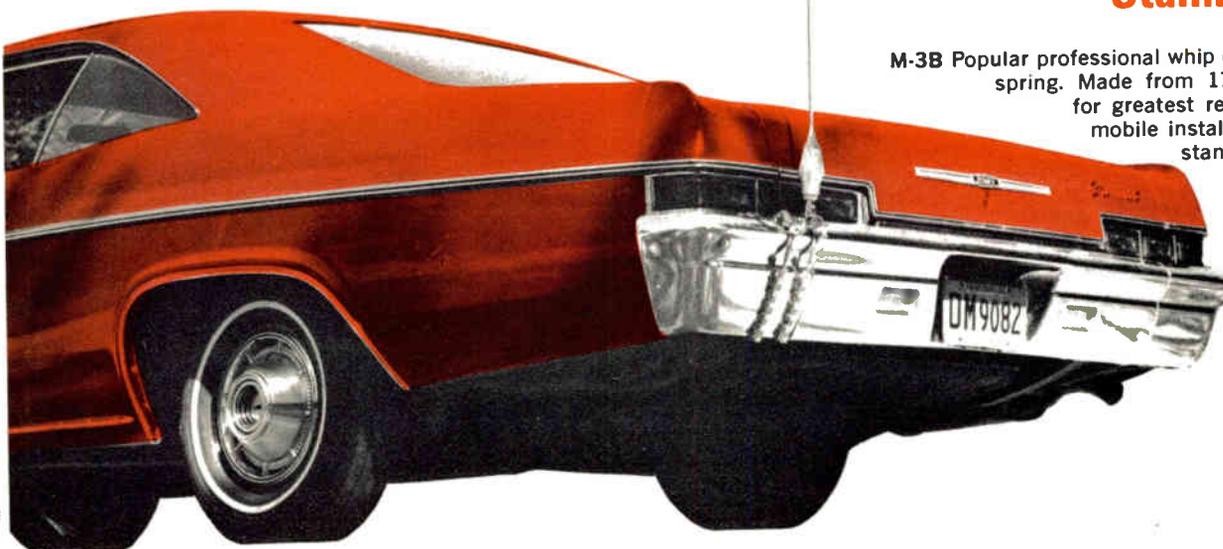
**MR53** New improved fiber glass shortened whip, center loaded to give full 1/4 wave performance across entire Citizens Band. Only 38" high with chrome plated brass ferrule and 3/8"-24 thread to fit any standard mount or spring. Shipping weight 1/2 lb. **ONLY \$6.95**

**M-141** Same as model MR53, except is international orange. Shipping weight 5 lbs. **ONLY \$6.95**

### Stainless steel whips

**M-3B** Popular professional whip cut to 102" for use with shock spring. Made from 17-7PH tapered stainless steel for greatest reliable performance on rugged mobile installation. 3/8"-24 thread fits any standard base and spring. Shipping weight 1.2 lbs. **ONLY \$5.45**

**MA3B** Same as above except 108" long. Shipping weight 1.2 lbs. **ONLY \$5.85**



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## ACCESSORY BASES, SPRINGS AND MOUNTS

**M-3** Rugged cast aluminum swivel base with lug cable connection for mobile whip mounting  $\frac{3}{8}$ "—24 thread. Shipping weight 1 lb. **ONLY \$4.45**

**M-3D** Heavy chrome swivel base with lug cable connection for the best mobile whip mounting  $\frac{3}{8}$ "—24 thread. Shipping weight 1.5 lbs. **ONLY \$6.60**

**M-13** Antenna Swivel Base with Coaxial Adaptor—

A complete assembly, ready to mount. Comprised of a deluxe chrome swivel base and a coaxial adaptor. Shipping weight 1.4 lbs. **ONLY \$7.75**

**M-233** Small chrome swivel base for antennas with  $\frac{3}{8}$ "—24 thread. Shipping weight 3 lbs. **ONLY \$3.49**

**M-234** Chrome shock spring for use with M-233 swivel base. Shipping weight 6 lbs. **ONLY \$3.25**

**M-3AD** Heavy duty chrome plated shock spring with precision ground end bells. Will bend through 90° arc and reset to protect full length whip  $\frac{3}{8}$ "—24 male and female thread. Shipping weight 1½ lbs. **ONLY \$4.60**

**M-3A** Same as M-3AD above except with cad. plating. Shipping weight 1½ lbs. **ONLY \$3.45**

**M-8A** Heavy duty model. Designed to provide the necessary support for long whips and heavy center loaded whips. Antennas of extra length and weight are kept firm and in an upright position despite car motion. Center braid assures maximum electrical conductivity.  $\frac{3}{8}$ "—24 male and female threads at opposite ends. Cadmium plated. Shipping weight 2.1 lbs. **ONLY \$5.45**

**M-9AS** Same as M-8A except spring is stainless steel and end bells are chrome plated. Shipping weight 2.2 lbs. **ONLY \$9.95**

**MR25** Heavy Duty miniature spring. Has  $\frac{3}{8}$ "—24 threaded end mounts. Supplied with removable  $\frac{3}{8}$ " threaded stud. Supports whips up to 72" long. Shipping weight 8 lbs. **ONLY \$2.98**

**M-126** Similar to MR25 except has  $\frac{1}{4}$ "—20 threads. Shipping weight 0.4 lbs. **ONLY \$3.45**

**M-54** Kwick-Kupler. Permits whip to be removed from spring or base with a quick and simple twist. For use in removing whip for storage or for changing whips for different bands. Chrome plated brass with  $\frac{3}{8}$ "—24 male and females threads to fit standard bases, springs and whips. Positive locking. Adjustable tension. Shipping weight 0.2 lbs. **ONLY \$3.95**

**M-115** Insulated gutter clip to hold whip down to roof top height. Shipping weight ½ lb. **ONLY \$1.25**



M-233



M-3



M-3AD



M-8A



M-3D



M-13



M-234



M-54



MR25



M-115

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## ACCESSORY BASES, SPRINGS AND MOUNTS

**M-147** Deluxe double strap stainless steel bumper mount with tension adjustment to fit any size bumper.  $\frac{3}{8}$ "—24 thread. Holds any length whip and spring. Ship. weight 2.2 lbs. **ONLY \$11.95**

**M-2A** Single chain bumper mount. An ingenious assembly of "Z" shaped links easily adjustable to fit on any width bumper. Receptacle for spring or whip with phenolic insulators. For use with any spring and/or whip having  $\frac{3}{8}$ "—24 thread. Entire assembly of alloy steel cadmium plated. Shipping weight 1.3 lbs. **ONLY \$6.65**

**M-190** Rugged single strap stainless steel bumper mount with tension adjustment to fit any size bumper.  $\frac{3}{8}$ "—24 thread. Holds up to 108" standard whip. Shipping weight 1.9 lbs. **ONLY \$7.95**

**M-191** Double chain bumper mount with ample Z-type double lock links for adjustment to any bumper size.  $\frac{3}{8}$ "—24 thread. Holds any length whip and spring. Shipping weight 2.1 lbs. **ONLY \$9.60**

**MA169** NEW no holes "Quick-Grip" trunk lip mount with  $\frac{3}{8}$ "—24 thread for easy mounting of any whip. Shipping weight 1 lb. **ONLY \$8.95**

**M-161** "Quick-Grip" no hole chrome trunk lip mount with  $\frac{3}{8}$ " hole for easy mounting of base loaded mobile antenna. Shipping weight  $\frac{1}{2}$  lb. **ONLY \$4.95**

**MA161** "Quick-Grip" trunk mount requires no hole drilling and includes a special adaptor for easy installation of base loaded Maggie Mobiles. Shipping weight 0.6 lbs. **ONLY \$8.95**

**M-235** Marine Style Mount Complete mounting and lay down kit. Constructed of high impact resistant Cyclocac. Fittings chrome plated brass and stainless steel. Complete with all hardware and gaskets. Accepts antenna with  $\frac{3}{8}$ "—24 thread. Shipping weight 1.5 lbs. **ONLY \$16.95**

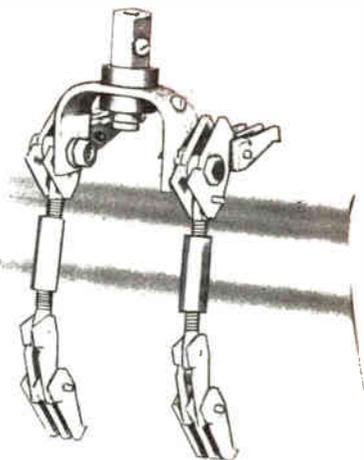
**M-206** Mounting Bracket allows mounting of all mounts on sides of vehicles, campers, boats, etc. Accepts all of the mounts on this page except M-235, M-223. Also accepts marine style fold down mounts. Shipping weight 2 lbs. **ONLY \$6.60**

**M-68** Trunk groove mount installs in seconds. No visible holes in car. Just two tiny  $\frac{7}{32}$ " holes in groove of trunk lid. Holds securely and is adjustable to all cars.  $\frac{3}{8}$ "—24 thread. Shipping weight 0.7 lbs. **ONLY \$5.95**

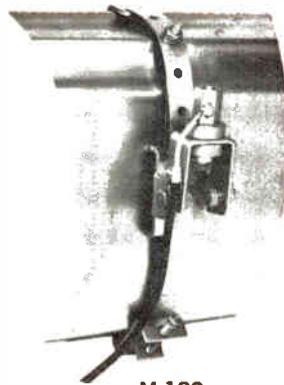
**M-236** Gutter Clamp Adaptor for the Maggie Mobile Antenna accepts M-125 style base loaded antennas. Complete with coax. Shipping weight 1 lb. **ONLY \$11.95**



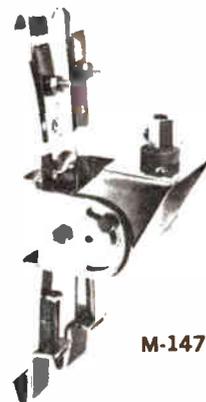
MA169



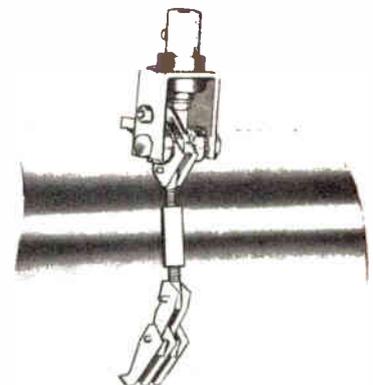
M-191



M-190



M-147



M-2A



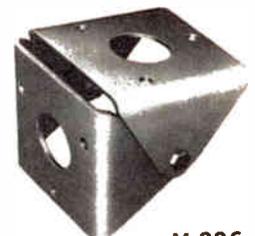
M-161



M-236



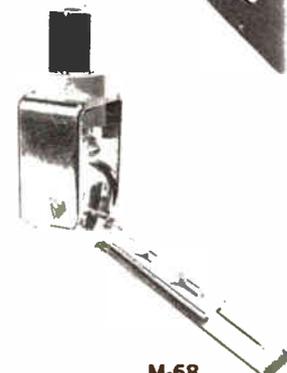
MA161



M-206



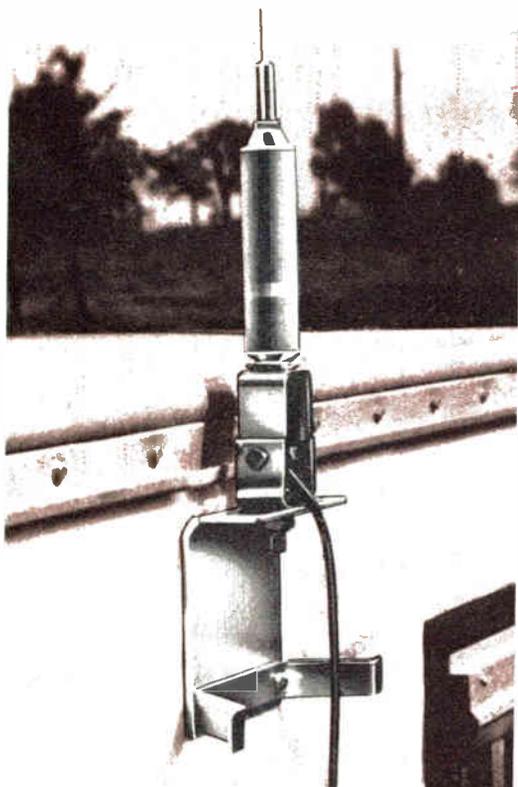
M-235



M-68

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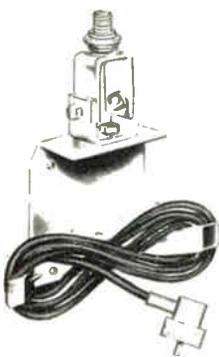
## SPECIAL PURPOSE CB antennas



### Camper/Trailer mobile antennas

**M-189** Ideal top performing CB antenna system for campers, trucks, trailers and buses. Rugged universal mounting bracket has large base plate surface for sturdy mounting. High performance base loaded coil and tapered whip may be mounted on side or top of camper/trailer. Mount adjusts a full 90° to allow installation anywhere. Complete with 20' of cable and solderless connector for easy mounting with no special tools. Shipping weight 1.7 lbs. **ONLY \$20.95**

**M-188** Includes bracket only as described above plus 20' of cable and adaptor for moving standard M-125 type base loaded antenna from truck or car to higher installation on campers/trailers. Cable bracket included to coil cable when camper/trailer is not in use. Shipping weight ½ lb. **ONLY \$14.50**



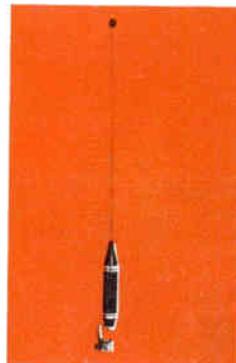
### Portable Base antenna



**M-203** New easy to attach antenna for temporary operation of Base Station CB Transceivers. PL-259 type right angle connector attaches to back of set in seconds. Tuneable for precise performance across entire Citizens Band with no special tools. Shipping weight ½ lb. **ONLY \$6.95**

### Portable antenna replacement

**M-199** Connects over any telescopic portable antenna to provide top performance without the hazard of long whips to break or injure other people. Also serves as direct replacement for whips already broken. Installs in seconds. Tuneable for precise performance with no special tools. Shipping weight ¼ lb. **ONLY \$3.95**



### Extra rugged, corrosion resistant antenna for campers, boats, fiberglass mobile homes and apartments

**M-223** New improved rugged stainless steel whip, center loaded full ½ wave antenna requires no metal surface installation for low radiation angle. Gives base station performance anywhere. Constructed for corrosive environments with chrome plated brass and stainless steel materials. New improved high impact cyclac base and loading coil provide continued rugged performance. Exclusive fold-down feature, over all height 97". Complete with all necessary hardware for easy mounting with no special tools. Shipping weight 3 lbs. **ONLY \$31.95**



**M-223**



**M-206**

**M-206** Mount Bracket—Extremely handy mounting bracket that allows the M-223 or MR221 antenna to mount on the side of a vehicle or camper for easy fold-down for traveling. Shipping weight 2 lbs. **ONLY \$6.60**

**MR221** Rugged 6' center loaded, Armorweave fiber glass antenna with P.E.P. tuneable tip. Extremely rugged construction and resistant to corrosion. Exclusive fold-down feature. Complete with mounting hardware, coaxial cable and PL-259 connector. Shipping weight 3 lbs. **ONLY \$39.50**



**MR221**

# the antenna specialists co.

## MOBILE ACCESSORIES

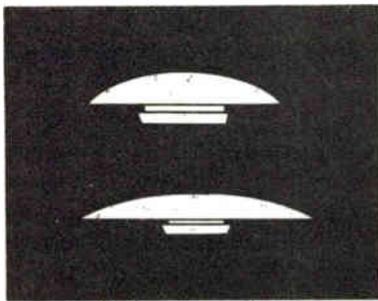
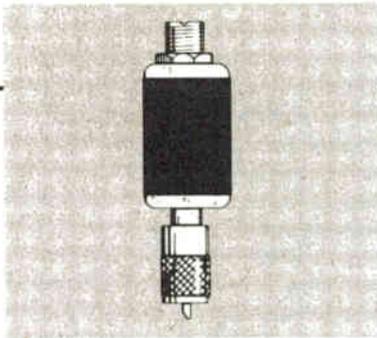
### RG-58/U Cable

*PL-259 to split end*

Model	Length	
MA51	10'	\$2.98
MB51	15'	\$3.25
MC51	20'	\$3.65

*PL-259 to PL-259*

Model	Length	
M-56	5'	\$3.65
MA56	10'	\$4.15
MB56	15'	\$4.45
MC56	20'	\$4.75
MD56	25'	\$5.25
MM56	100'	\$9.95



### Lead adaptors

M-41	Converts pin plug on lead to SO-239 on set	\$1.35
M-42	Converts phono plug on lead to SO-239 on set	\$1.35
M-43	Converts pin plug on lead to phono plug on set	\$ .69
M-44	Converts PL-259 on lead to phono plug on set	\$1.65
M-45	Converts phono plug on lead to pin plug on set	\$ .69
M-46	Converts PL-259 on lead to pin plug on set	\$1.45
M-194	Converts PL-259 to small phone plug	\$3.90
M-212	Solderless PL-259 connector	\$ .69
M-213	Solderless cable splice for RG-58/U	\$1.75

### T.V.I. Filter Model M-107

T.V.I. filter designed to reduce the second and third harmonics of your transceiver (T.V. channels two and five). Accepts PL-259 connectors for easy installations between CB transceiver and antenna cable. Filters handles up to 5 watts. **\$6.95**

### Rubber plugs

For covering holes from which antenna has been removed. May be inserted from outside of car body.

Model No.	Diameter	Hole Size	
M-10	3 3/4"	1 1/4"	\$1.55
M-11	1 1/2"	3/4"	.98
M-16	1 1/4"	3/8"	.98
M-18	1 1/2"	7/8"	.98

### M-133 Coupler

Allows the use of standard broadcast antenna for both Citizens Band transceiver and A.M. receiver. Installs in minutes. Compact, mounts neatly under the dash. Complete package, nothing else to buy. Shipping weight 1 lb. **ONLY \$13.35**

## Marine Antennas

**the antenna  
specialists co.**

*Stripes of Quality*



**M-223** New improved rugged stainless steel whip, center loaded full  $\frac{1}{2}$  wave antenna requires no metal surface installation for low radiation angle. Constructed for corrosive marine requirements with chrome plated marine brass and stainless steel materials. New improved high impact cyclac base and loading coil proved continued rugged performance. Exclusive fold-down feature, overall height 97". Complete with all necessary hardware for easy mounting with no special tools. Shipping weight 3 lbs.  
**ONLY \$31.95**

**M-206** Universal Mounting Bracket. Extremely handy bracket designed to mount the M-223 or M-221 virtually anywhere on sloping decks, curved boat heads, etc. Adjusts for any angle from 0 to 180°. Shipping weight 2 lbs.  
**ONLY \$6.60**



MR221

MR71

**MR221** Rugged 6' center loaded, Armorweave fiber glass antenna with P.E.P. tuneable tip. Extremely rugged construction and resistant to corrosion. Exclusive fold-down feature. Complete with mounting hardware, coaxial cable and PL-259 connector. Shipping weight 3 lbs.  
**ONLY \$39.50**

**MR71** Professional citizens radio antenna with rugged white fiber glass whip and gleaming white loading coil. The finest you can own complete with lay down feature, 10' RG-58/U cable with PL-259 connector installed. Overall height 9 feet. No ground required. Need no ground wires or metal mount surface. All required mounting hardware furnished. Shipping weight 5 lbs. 8 oz.  
**\$49.50**

## Professional Quality Aircraft Antenna Model AV-568

Low profile, professional 27 MHz white fiber glass antenna takes 250 mph like a breeze! Withstands minus 50°F. temperature extremes. Streamlined design reduces drag to a minimum. Has an air foil type aluminum base. Fiber glass whip, only 2' long, reduces precipitation type static. Accepts BNC constant impedance connector. Cable not supplied. Includes rubber mounting pad and mounting hardware. Ample "belly-to-ground" clearance. VSWR: 1.5 to 1 or better! Shipping weight 1.5 lbs.

**ONLY \$21.95**

**AVA568** Same as AV-568, but for Civil Air Patrol frequency of 26.62 MHz. Shipping weight 1.5 lbs.

**ONLY \$21.95**

**M-149** Same as AV-568, but with SO-239 connector. Shipping weight 1.5 lbs.

**ONLY \$17.95**



CB'ers in the vicinity of **FOND DU LAC, WISCONSIN** may wish to visit **WISCONSIN ELECTRONIC SUPPLY** for their needs... They specialize in electronic supplies for the Radio & TV repairman - but also have a good stock of CB and Hi-Fi.

WISCONSIN  
ELECTRONIC  
SUPPLY  
**STORE HOURS:**  
Mon thru Thurs 9-5  
Friday 9-8  
Saturday 9-12



**WISCONSIN ELECTRONIC SUPPLY**

223 NORTH SEYMOUR STREET PHONE (414) 922-4670

**FOND DU LAC, WISCONSIN - 54935**



Harris E. Sterman  
President

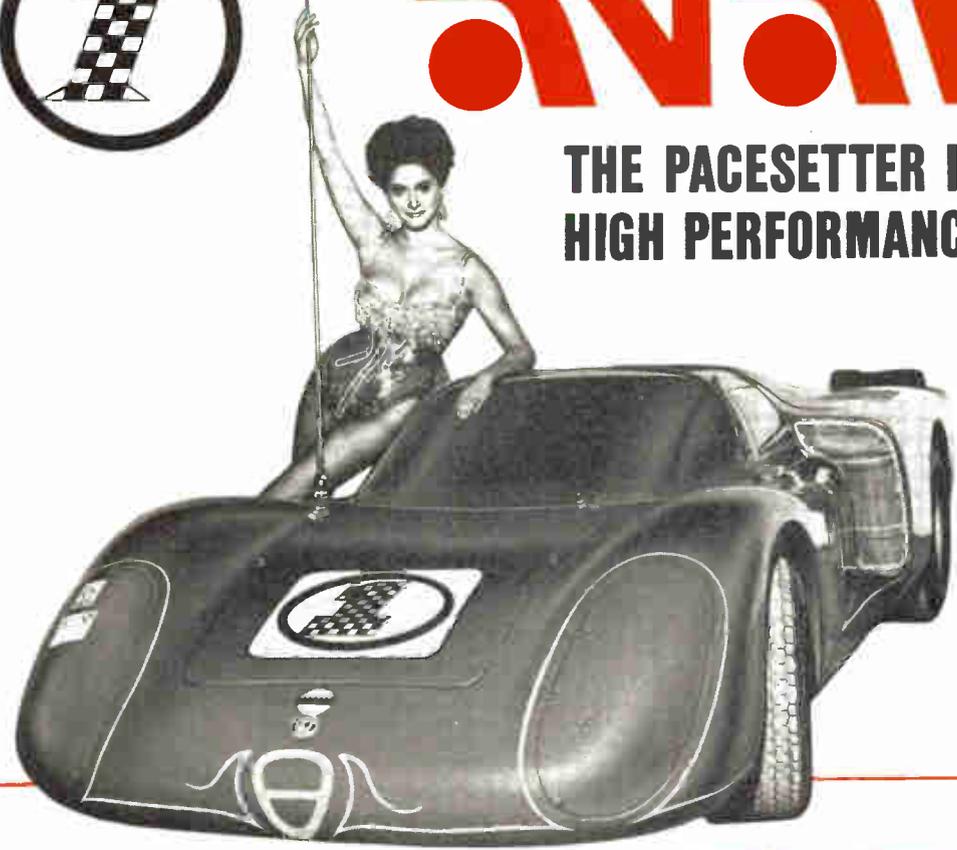


Dan Sterman  
Vice-President



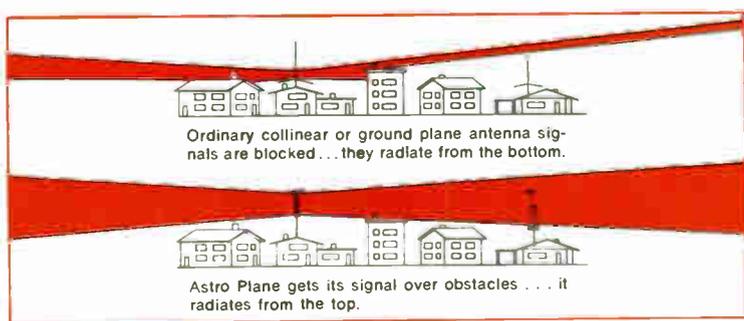
# Avanti

## THE PACESETTER IN HIGH PERFORMANCE ANTENNAS



### ASTRO-PLANE

Big 4.46 db gain . . . powerful omni-directional antenna radiates from the top; not the bottom. Unique design (patent pending) helps eliminate dead spots. No long radials to droop or break . . . no coils to burn out. All heavy duty, aircraft quality aluminum. SWR pre-tuned to less than 1.2:1 across 23 CB channels.



Model AV-101 . . . \$29.95

# AVANTI · THE PACESETTER IN HIGH PERFORMANCE ANTENNAS

# ORDER BY AVANTI NUMBER

## THE UNQUAD

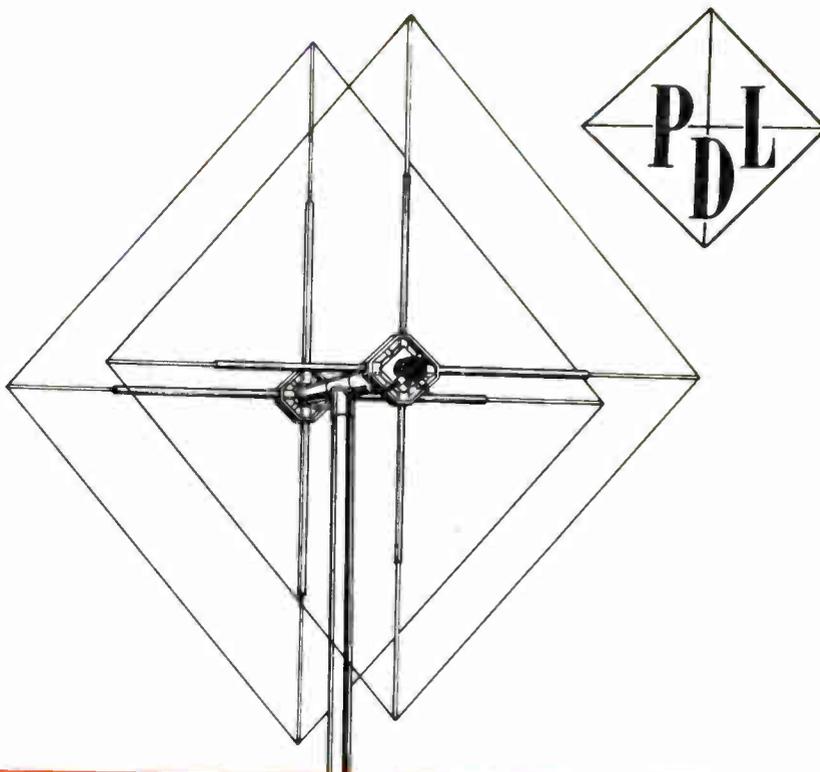
U. S. Patent #3475756

First developed and patented by Avanti . . . this unique beam antenna has dual polarity that almost doubles existing CB channels. Contact mobiles on vertical polarity mode or switch instantly to horizontal polarity mode for interference-free communications with other bases.

The PDL (polar diversity loop) UNQUAD's superior signal strength is the result of a unique 5 sub-element feature in each polarity mode. Test results and actual field experience indicate the PDL UNQUAD provides a stronger signal than stacked 3-element yagies.

11 db gain . . . SWR, 1.2:1 across 23 CB channels . . . Aircraft quality aluminum and fiberglass construction . . . Polarization, vertical/horizontal switchable . . . Includes switch box.

**Model AV-120 . . . \$79.95**

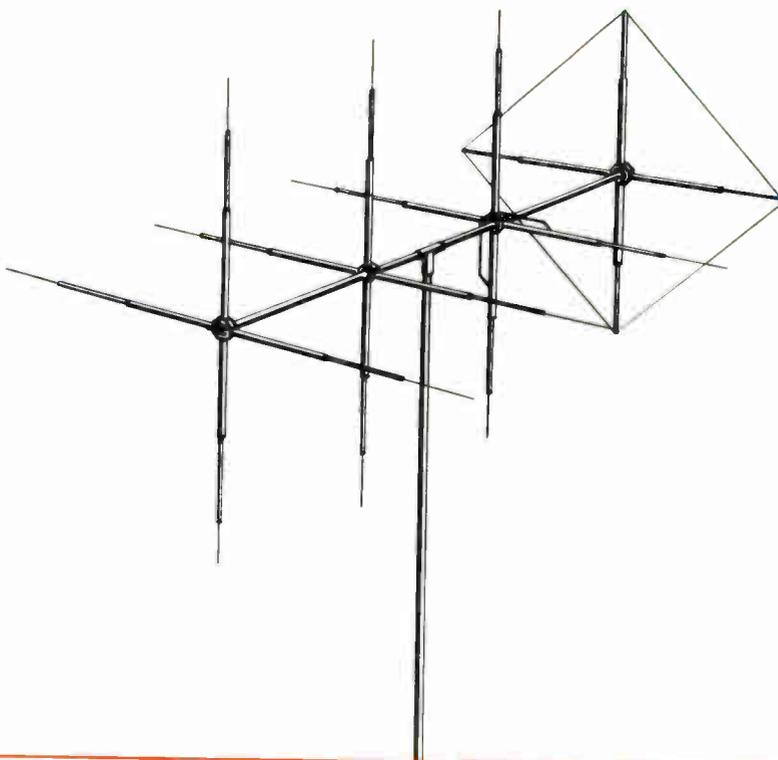


## MOONRAKER

The Moonraker array combines 1/2 wave cross dipole elements with the patented PDL UNQUAD design reflector. A simple flick of the switch changes mode, for transmitting or receiving, from vertical polarization to horizontal for interference-free communications. Uses only a 15' boom to eliminate efficiency losses inherent in multiple in-line quad designs, thus better signal excitation is achieved to provide greater true gain.

14.5 db gain . . . SWR, 1.2:1 . . . Front to back separation, 38 db . . . Vertical to horizontal separation, 25 db . . . All aircraft quality aluminum with cast hubs and extruded clamps . . . Switch box included.

**Model AV-140 . . . \$129.95**



**AVANTI · THE PACESETTER IN HIGH PERFORMANCE ANTENNAS**

# ORDER BY AVANTI NUMBER

## ASTRO-BEAM

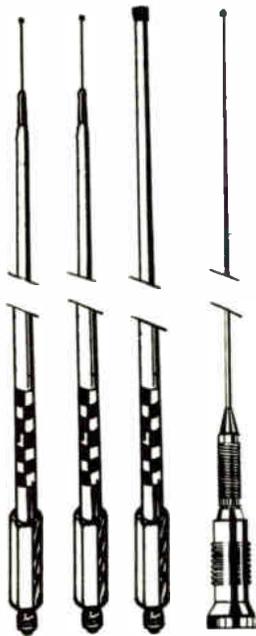


Increased coupling makes it . . . the most efficient beam antenna available to the CB'r. Avanti started with the famous omni-directional Astro Plane (pat. pending) as a radiator then added a reflector and a director to achieve the beam configuration. The Astro Plane configuration couples to the director and reflector far more efficiently than a dipole for more gain. This close coupling and efficiency results in an unprecedented 40 db front to back rejection ratio.

11 db gain . . . VSWR, 1.3:1 . . . All aircraft grade aluminum and Cyclac . . . Lightweight, can be used with an inexpensive light duty rotor.

**Model AV-150 . . . \$59.95**

## RACERS



Avanti Racer mobiles AV-304 and AV-306 are military grade fiberglass antennas. These top loaded, inductively shortened 1/4 wave antennas can be adjusted to 1.1:1 SWR which allows perfect antenna to vehicle matching.

The Racer AV-309 is a full 9' non-tunable 1/4 wave antenna. All fiberglass Racers have standard  $\frac{3}{8}$ "-24 thread.

Model AV-327-S is a complete mobile antenna system. A 1/4 wave base loaded mobile with tunable 48" stainless steel taper ground whip. The molded ABS coil housing is hermetically sealed to prevent detuning in damp weather or corrosive atmosphere. Built-in mount—no need to buy anything else . . . comes with 20 feet of co-ax and PL-259 connector. 100 + watt power rating.

**Model AV-304 . . . \$11.25 / AV-306 . . . \$11.95**

**Model AV-309 . . . \$11.95 / AV-327-S . . . \$17.95**

# AVANTI · THE PACESETTER IN HIGH PERFORMANCE ANTENNAS

# ORDER BY AVANTI NUMBER



## NEW! GATOR WHIP

Another first from Avanti. Exclusive full length 9' whip with tunable tip. Taper ground stainless steel tip and sleek white fiberglass combine to give the ultimate in wear and durability. Uses newly developed "Gator Glass" . . . invented by the leading manufacturer of fiberglass pole vaulting poles . . . super tough . . . strong as an alligator's hide. All stainless steel set screws and brass fittings . . . will remain adjustable for years. Standard  $\frac{3}{8}$ "-24 thread mounting. Tunable to lowest possible SWR. Frequency range . . . 25 to 40 MHz. High power handling capability for business use.

**Model AV-369 . . . \$15.95**



## MATCH BOX

Get the highest possible performance from your antenna by correcting impedance mismatch as high as 5:1. SWR can be tuned down to 1.1:1 to eliminate power waste. Special Pi network for easy tuning, dependability and power handling. Up to 500 watts power rating depending on coincident SWR.

**Model AV-500 . . . \$15.95**



## DUAL SWITCH BOX

Specially designed to switch between Avanti PDL UNQUAD and another antenna. Provides a complete base station CB system when connecting an omnidirectional Astro Plane with the PDL UNQUAD beam. Can be used with any CB antenna system.

**Model AV-502 . . . \$12.95**



## SNAP MOUNT

Mounts easily and quickly from outside of  $\frac{1}{2}$ " hole. Heavy duty molded ABS with neoprene "O" ring. Accepts any  $\frac{3}{8}$ "-24 thread mobile antenna.

**Model AV-503 . . . \$4.95**

## NO HOLE TRUNK MOUNT

Heavy duty molded ABS. No need to drill holes in car . . . accepts any  $\frac{1}{2}$ " mount or Racer AV-327-S with built-in mount.

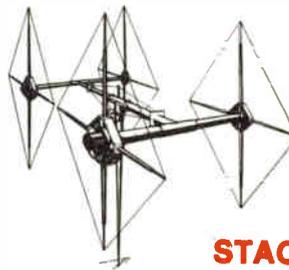
**Model AV-521 . . . \$4.95**



## CO-PHASING HARNESS

Get up to 25% more performance from mobile rig by co-phasing two antennas. Complete kit to co-phase any two mobile antennas . . . pre-cut, pre-tuned co-ax and connectors.

**Model AV-504 . . . \$6.95**



## STACKING KIT

For signal power that reaches over the horizon . . . Lightweight, ruggedly built kit provides a very powerful array. Stack 2 PDL UNQUADS and get higher performance than stacked 6 element yagies.

Requires 2 PDL UNQUADS.

**Model AV-130 . . . \$74.95**

**AVANTI • THE PACESETTER IN HIGH PERFORMANCE ANTENNAS**

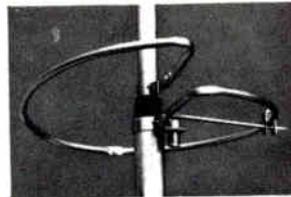
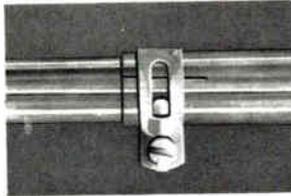
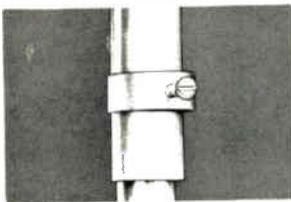
**NEW**

# Ringo

**IMPROVED**

**3.75 db**  
OMNIDIRECTIONAL  
**GAIN**

- ★ FULL 1/2 WAVE BASE STATION ANTENNA
- ★ COVERS 30 CHANNELS WITH 1 TO 1 SWR
- ★ DIRECT DC GROUND TO ELIMINATE STATIC AND NOISE
- ★ 52 OHM DIRECT COAXIAL FEED
- ★ EXCLUSIVE POWER RING TUNING
- ★ FULL SIGNAL CAPTURE AREA
- ★ LOW ANGLE OF RADIATION
- ★ OVERALL HEIGHT 17'-10"
- ★ RING DIAMETER 10"
- ★ TELESCOPES FOR EASY CARRYING AND PORTABLE OPERATION
- ★ NO DROOPING RADIALS



★ **3-75 db OMNIDIRECTIONAL GAIN**

"Branded" as the best for fantastic CB performance. Only Ringo has exclusive power ring tuning for amazing full circle (3.75 db) gain. Power ring gives a perfect match between the antenna and feed cable to utilize all available transceiver power. The Cush Craft Ringo amplifies signals through a full length capture area and low angle of radiation. Ringo has demonstrated outstanding performance in thousands of CB installations.

New mechanical features improve both performance and durability of Ringo. A new extended base section allows more telescope between vertical sections for greater strength. New full circumference telescope clamps insure a positive no-slip electrical connection to eliminate rattle and noise generation. A new tuning rod clamp speeds assembly and assures a positive feed point connection.

Mount it anywhere from tree top to tower side or top. Ringo is designed for instant assembly and installation in the smallest possible space.

For a more powerful signal make Ringo your performance choice today!

**COMPLETE READY TO INSTALL**



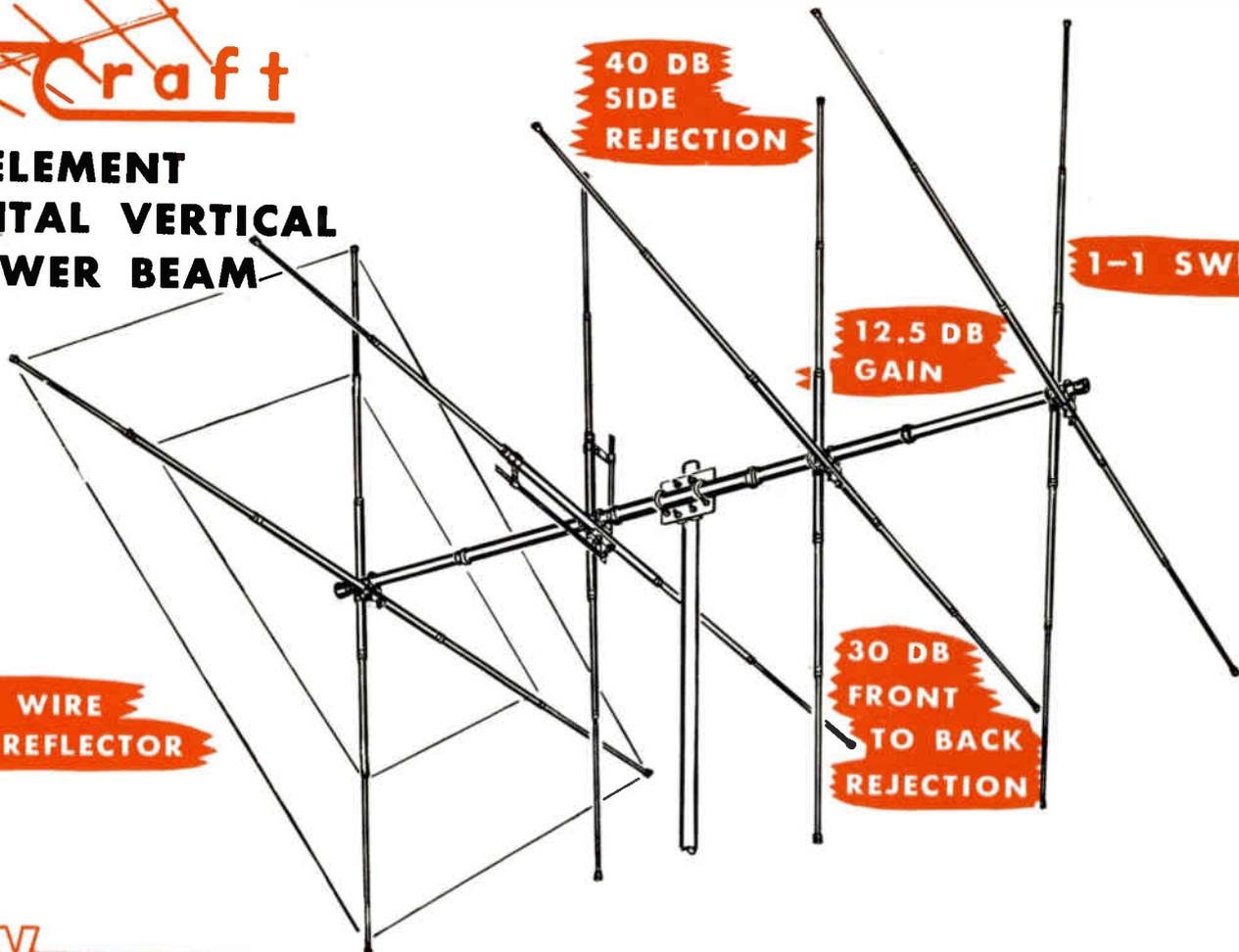
**\$18.95**

**MODEL NO. CR-1**

# Cush Craft

## 8 ELEMENT HORIZONTAL VERTICAL CB POWER BEAM

DOUBLE WIRE  
RADAR REFLECTOR



**NEW**

# SUPERFIRE

The new Superfire Power beam is the same Cush Craft antenna as used in official moonbounce, satellite tracking and manned spacecraft programs.

Superfire features a full length boom for balanced element spacing, unmatched forward gain and precise pattern control. Exclusive double wire radar reflector gives tremendous rejection of side and rear signals. Superfire is the only antenna which combines Power Beam performance with selectable horizontal, vertical or axial polarization to beam your signal through under all conditions.

Superfire is all heavy duty seamless, hard drawn aluminum construction. It is complete with pre-drilled, pre-marked components, all hardware and complete instructions. Uses two feed lines with any standard coax switch.

Cush Craft inline, three position coax switch gives you instant rocker action for selection of horizontal, vertical or axial polarizations. Includes an auxiliary position for your omni-antenna. Matched to your equipment for desk or wall mount.

FRONT TO BACK RATIO	30 db
FRONT TO SIDE RATIO	40 db
FEED LINES	52 ohm
BANDWIDTH	23 Channels
POLARIZATION	Selectable
ELEMENT DIAMETER	3/4" - 1/2"
FORWARD GAIN	12.5 db
BOOM	1 3/4" x 16'
LONGEST ELEMENT	18'
TURN RADIUS	12'
WEIGHT	25 Lbs.



**CFB-8** CITIZENS BAND SUPERFIRE **\$99.50**

**CFS-1** THREE POSITION SWITCH **\$12.95**

**Cush Craft**

# HIGH PERFORMANCE POWER BEAMS

## 3 ELEMENT 8 db GAIN

**new**

FWD. GAIN	8 db
F/BACK RATIO	22 db
VSWR	1 to 1
BANDWIDTH	23 Chan'ls
EL. SPACING	Optimum
BOOM	1 1/2" x 10'
EL. DIA.	3/4" - 1/2"
TURN RADIUS	5'
WEIGHT	10 lbs.



The lightweight member of the Cush Craft family of fine beams. Longer than average boom gives an extra margin of performance. Features new heavy duty element supports for quick neat assembly.

**CB-11 TURN WITH TV ROTOR \$32.50**

## 4 ELEMENT 9.5 db GAIN

**new**

FWD. GAIN	9.5 db
F/BACK RATIO	26 db
VSWR	1 to 1
BANDWIDTH	23 Chan'ls
EL. SPACING	Optimum
BOOM	1 5/8" x 16'
EL. DIA.	3/4" - 1/2"
TURN RADIUS	8'
WEIGHT	14 lbs.



Our most popular Power Beam, featuring balanced electrical design and construction for greater strength and improved signal pattern. Like all of our beams it features KW Reddi Match, adjustable to 2" mast mount, tremendous forward gain with excellent side and back rejection.

**CB-114 BALANCED DESIGN \$42.50**

## 5 ELEMENT 10.5 db GAIN

FWD. GAIN	10.5 db
F/BACK RATIO	28 db
VSWR	1 to 1
BANDWIDTH	23 Chan'ls
EL. SPACING	Optimum
BOOM	2" x 24'
EL. DIA.	3/4" - 1/2"
TURN RADIUS	12'
WEIGHT	20 lbs.



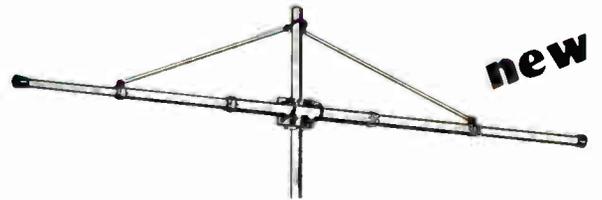
**new**

Our highest gain power beam features a new high strength boom. All Cush Craft beam components are pre-drilled and pre-marked. They include element and boom end caps and solid hold telescope clamps. A real high performance beam.

**CB-115 TOP PERFORMANCE \$69.50**

## DUAL BEAM STACKING KIT

**new**



A special high performance stacking kit to be used with any two Cush Craft Power Beams. Gives a tremendous 3db gain signal boost to double your effective power output.

The stacking kit includes heavy duty aluminum support boom, coax phasing harness, adjustable mast mount, diagonal braces and all hardware. Order two power beams and one stacking kit.

**6 ELEMENT DUAL POWER BEAM 11 DB GAIN**

**8 ELEMENT DUAL POWER BEAM 13 DB GAIN**

**10 ELEMENT DUAL POWER BEAM 14 DB GAIN**

**CB-2KD \$49.50**

**Cush Craft**

**MAKE YOUR'S A REAL SIGNAL  
WITH A CUSH CRAFT POWER BEAM**

# TRIK-STIK

# UNIVERSAL ANTENNA

for

**BUSINESS RADIO (Low and High BAND),  
CITIZEN BAND, SWL, MONITOR, AIRCRAFT,  
CIVIL DEFENSE, AMATEUR, EXPERIMENTER,  
TELEVISION-FM RECEPTION**

This one lightweight, low priced antenna will perform more tricks than a circus magician. It is the answer to literally hundreds of different antenna problems. TRIK STIK's unique design allows vertical or horizontal mounting anywhere under any conditions. Complete instructions are supplied with measurements for setting TRIK STIK to the correct dimensions for any of the services listed. Feed line may be 52 or 72 ohm coaxial cable or 300 ohm twin lead. Assembly is easily accomplished in minutes for permanent installations, temporary stations, or test purposes. TRIK STIK is truly an inexpensive all purpose antenna.

### CITIZENS BAND:

TRIK STIK is a full half wave, omnidirectional, vertically polarized, transmit-receive citizens band antenna.

### BUSINESS RADIO, LOW BAND:

TRIK STIK is easily adjusted from chart to any spot in the 30 to 50 Mc. range. It will perform equally well in permanent or temporary installations and for field strength measurements. It will handle up to 100 watts of transmitter power.



### BUSINESS RADIO, HIGH BAND:

TRIK STIK gives multiple half waves in phase for up to 5 db gain with a clover-leaf pattern in the 130 to 176 Mc. range.

### CIVIL DEFENSE:

TRIK STIK is the perfect answer for net control or portable emergency stations. It is easily carried and adjusted for 50 Mc. or 145-150 Mc. CD frequencies.

### AMATEUR:

TRIK STIK will, by a simple adjustment, cover the 10, 6, 2, 1 $\frac{1}{4}$ ,  $\frac{3}{4}$  meter amateur bands with either horizontal or vertical polarization. It's ideal for the apartment dweller or ham on the go. Two Trik Stiks are easily assembled into a two element beam for field day activities.

### MONITOR:

TRIK STIK is fully adjustable to receive all police, fire, and other emergency services. It will mount anywhere for use with any type monitor receiver.

### AIRCRAFT:

TRIK STIK can be set to cover the entire 108-136 Mc. aircraft frequency range. It will greatly increase the range of any aircraft monitor station.

### SWL:

TRIK STIK will open a new horizon of world wide short wave listening for you. It mounts easily in the attic or out a window for a quick professional type installation.

### EXPERIMENTER:

TRIK STIK is an ideal half wave dipole antenna for the radio experimenter. Exacting tests can be conducted by utilizing its full adjustment characteristics. Two or more TRIK STIKS can be used in designing multi element parasitic beams.

### TELEVISION:

TRIK STIK is designed for apartments, mobile homes, second sets, or any situation where rabbit ears do not do the job. Hi-channel gain actually draws distant signals. It can be set to favor high or low channels, or for complete VHF television reception.

### FM RECEPTION:

TRIK STIK will improve the quality of your FM stereo or monaural. It is far superior to television or built-in antennas, and it will mount anywhere out of sight.



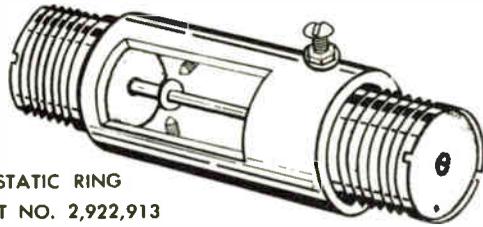
Cush  
Craft

MODEL NO. TS-1 27-150 MHZ

**\$6.95**

# BLITZ BUG

## COAXIAL LIGHTNING ARRESTER



WITH  
PATENTED STATIC RING  
U. S. PATENT NO. 2,922,913

### LIGHTNING PROTECTION FOR CITIZENS BAND RADIOS

Blitz Bug is the only user proven full time coaxial lightning arrester. Only Blitz Bug has patented static ring discharge point which other imitations cannot copy.

Blitz Bug is used by CB'ers, Amateurs, Industry, Military and Government agencies throughout the world. There is no better insurance than Blitz Bug.

#### ADD UP THESE EXCLUSIVE BLITZ BUG FEATURES

- ☆ Patented Static Ring
- ☆ Precision machined
- ☆ Sealed Air Chamber
- ☆ Constant Static Drain
- ☆ Controlled Voltage
- ☆ 1 KW Power Handling
- ☆ No Insertion Loss
- ☆ Good to 500 mc.
- ☆ Over 250,000 in use
- ☆ Matched to your equipment

#### MODEL LAC-1



**\$3.95**

Standard UHF Connectors for direct to equipment installation, accepts one PL-259 and one SO-239.

#### MODEL LAC-2



**\$4.45**

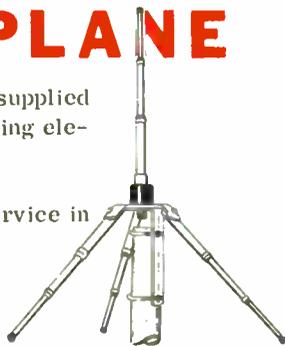
Standard UHF Connectors for insertion at any point in the cable, accepts two PL-259 connectors.

# GROUND PLANE

Cush Craft ground planes are supplied with an easy to use chart for setting element lengths.

The DGPA can be set for any service in the 27 to 50 mhz range.

The DGPB can be set for any service in the 108 to 175 mhz range.



**DGPA**      27-50 Mhz      **\$16.00**  
**DGPB**      108-175 Mhz      **\$14.00**

# SQUALO



## HORIZONTAL MOBILE

Now you can have horizontal polarization for base to mobile or base to base with the Cush Craft Squalo. Horizontal polarization will reduce mobile signal flutter, noise, cross talk and skip interference.

The Squalo is a full half wave omnidirectional antenna, no rotor needed. It will cover the entire 27 mhz band with an SWR of less than 1.5 - 1. It accepts a standard 52 ohm coax cable.

Squalo is the only CB antenna designed for base or mobile installations. It is supplied with rubber suction cups for car top mounting and an aluminum boom for mast or tower mounting. Construction is all heavy wall aluminum tubing. Parts are pre-formed and partially pre-assembled.

**CSQ-11 50" SQUARE \$19.50**

# HI BAND RINGO

MONITOR Police, Fire, Civil Defense and other emergency services with this mini-Ringo. It is the perfect antenna for Hi Band Monitor receivers. Full size capture area pulls in those distant signals.

Hi Band Ringo is constructed of heavy wall aluminum tubing. The built-in fitting takes a standard coax connector. It may be tower side mounted and will take up to a 1 3/8" O.D. mast. The antenna is completely preassembled and supplied with a chart for adjusting to frequency. 3.75 db Gain

**AR-2 135-175 Mhz \$12.50**



### PARCEL POST OR UPS SHIPPING

FOR YOUR CONVENIENCE AND ECONOMY, ALL CUSH CRAFT ANTENNAS, INCLUDING BEAMS, CAN NOW BE SHIPPED BY PARCEL POST OR UNITED PARCEL SERVICE.



# CB ANTENNAS AND ACCESSORIES MOBILE & BASE STATION

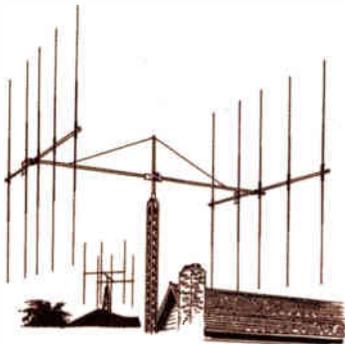
## HY-GAIN SUPER POWER STACKED ARRAYS -- SUPER DUO-BEAMS

**Super DUO-BEAMS give you power multiplication up to 20 times the output of your transceiver.**

The tightest beams made for CB—direct your signal straight toward the horizon with pinpoint accuracy. Rejects signals from back and sides. Solves most lightning problems.

Boom length and spacing make a big difference. These arrays have the longest booms with scientifically spaced elements. No cross-polarized system has this superior performance and mechanical and structural strength. Get higher power gain and lower VSWR with added talk distance. Supplied complete with cross booms, phasing harness and all hardware.

SWR at resonance: less than 1.4:1 / Coaxial feedline: 52 ohm / Maximum wind survival: 100 MPH.



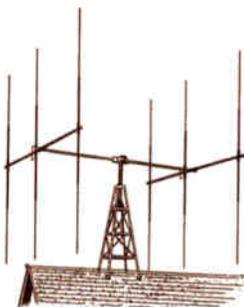
### SDB 10 (STACKED FIVES) \$179.95

**Electrical**  
Power Gain .....14.4 db  
Front-to-Back Ratio .....26 db

**Mechanical**  
Boom length 20', cross boom length 24', longest element is 18'9 3/4". Boom diameter is 2" with 2" dia. cross boom. Element diameter tapers from 7/8" to 7/16". Turning radius is 15'6". Mast size from 1 1/4" to 2 1/2".

#### ORDER NO. 546 Net Wt. 63 lbs.

ROTATOR: Use Hy-Gain ROTO-BRAKE 400. See pg. 2.



### SDB 6 (STACKED THREES) \$109.95

**Electrical**  
Power Gain .....12.7 db  
Front-to-Back Ratio .....23 db

**Mechanical**  
Boom length 12'2", cross boom length 14', longest element is 18'6 1/2". Boom diameter is 1 1/4" with 2" dia. cross boom. Element dia. tapers from 7/8" to 7/16". Turning radius is 9'6". Mast size from 1 1/4" to 2 1/2".

#### ORDER NO. 542 Net Wt. 34 lbs.

ROTATOR: ROTO-BRAKE 400 or CDR TR-2C or equivalent



### SDB 4 (STACKED TWOS) \$ 69.95

**Electrical**  
Power Gain .....9.3 db  
Front-to-Back Ratio .....18 db

**Mechanical**  
Boom length 3'1", cross boom length 9', longest element is 17'11". Boom diameter is 1 1/4" with 1/4" dia. cross booms. Element dia. tapers from 7/8" to 7/16". Turning radius is 5'2". Mast size from 1 1/4" to 1 5/8".

#### ORDER NO. 541 Net Wt. 16 lbs.

ROTATOR: ROTO-BRAKE 400 or CDR TR-10 or equivalent

### HY-GAIN'S LONG JOHN 24 FOOT BOOM 5 OPTIMUM SPACED ELEMENTS



An improvement over the original Long John!

There is only one way to maximum gain in a beam antenna. In spite of claims of short cut methods, only a long boom and scientifically spaced elements will give maximum power gain. In addition, the HY-GAIN exclusive Beta Match achieves more energy transfer than all others.

Long John gives you 12.3 db power gain with a 31 db F/B ratio. VSWR at resonance is 1.05:1. Beta Match feedpoint is perfect 52 ohm match. Heavy duty aluminum with taper swaged elements and Mil. Spec. plated hardware. Longest element is 21', heavy duty mast bracket handles from 1 1/4" to 2 1/2" masts. Wind Survival is 90 MPH.

#### ORDER NO. 410 Net Wt. 24 lbs. \$ 59.95

### INEXPENSIVE 5 ELEMENT BEAM



17' Boom—close spaced elements  
10 db Power Gain

A lower priced five element beam with many of the features of the Long John. Perfectly matched at 52 ohms with Beta Match for most efficient energy transfer. Gives you 10 db power gain with 22 db F/B ratio. VSWR at resonance is 1.5:1. Longest element is 21', mounts on 1 5/8" dia. mast.

#### ORDER NO. 411 Net Wt. 13 lbs. \$ 39.95

### HY-GAIN 3 ELEMENT ROTATABLE BEAM CB3

Delivers 8.2 db Forward Gain

**Electrical**  
Power Gain .....8.2 db  
Front-to-Back Ratio .....20 db  
VSWR at Resonance .....1.05:1  
Coaxial Feedline  
(Beta Match) .....52 ohms

**Mechanical**  
Boom Length .....8'  
Longest Element .....21'  
Mast Diameter .....1 1/4" to 1 5/8"  
Maximum Wind Survival .....80 MPH  
Net Weight .....6.8 lbs.

#### ORDER NO. 533 \$ 34.95

# HY-GAIN OMNIDIRECTIONAL BASE STATION ANTENNAS

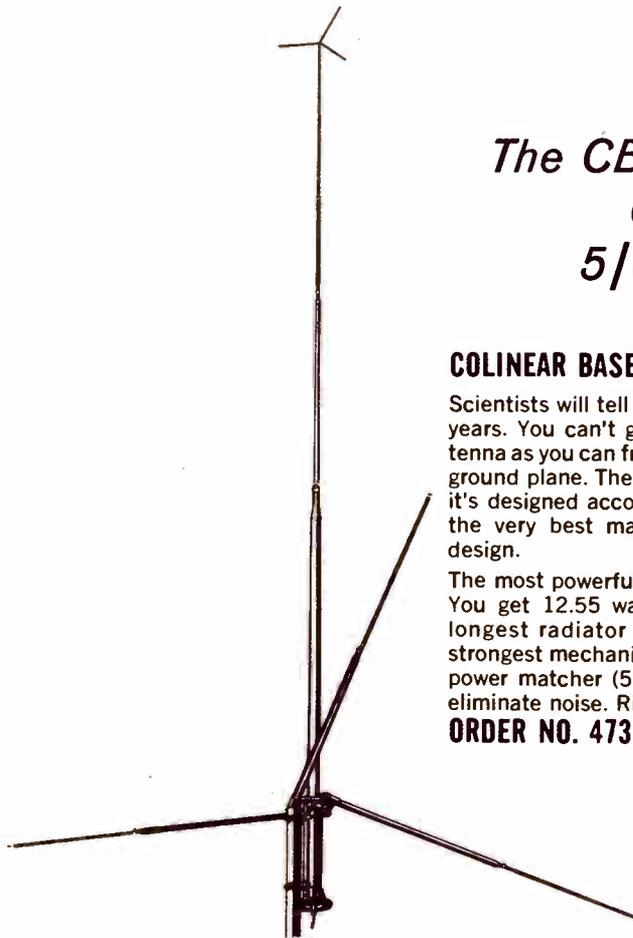
## The CB'ers Favorite CLR 2 5/8 WAVE

### COLINEAR BASE STATION ANTENNA

Scientists will tell you what CB'ers have known for years. You can't get as much from a 1/2 wave antenna as you can from a 5/8 wave with full size stable ground plane. There are no gimmicks in the CLR 2, it's designed according to proven principles using the very best materials and rugged mechanical design.

The most powerful non-rotating legal CB Antenna. You get 12.55 watts talk power. 4 db gain. The longest radiator of any on the market and the strongest mechanically. Solid-State moisture proof power matcher (52 ohms) provides DC ground to eliminate noise. Rigid radials don't detune in wind.

**ORDER NO. 473 Net Wt. 8 lbs. \$ 32.95**



**IT'S COMPACT, IT'S POWERFUL, AND IT'S INEXPENSIVE!**

3.5 db power gain at the lowest dollar-per-db ever!

### GOLDENROD

A ruggedly constructed, high performance base station antenna at a low price. Perfect 52 ohm match and DC ground for a 19 db gain in signal-to-noise. Heavy wall gold irridated alum. stands up and performs in the toughest weather conditions. Takes little space—installs anywhere.

**ORDER NO. 579  
Net Wt. 6 lbs.**

\$ 19.95



### 1/4 WAVE Ground Plane

- High Efficiency Design
- Rigid Aluminum Elements

High performance—low cost. 360° polar pattern with low take off angle gives complete coverage. Overall height 106". Terminates with SO-239 connector. Accepts PL-259.

\$ 8.25

**ORDER NO. 418 Net Wt. 2.4 lbs.**

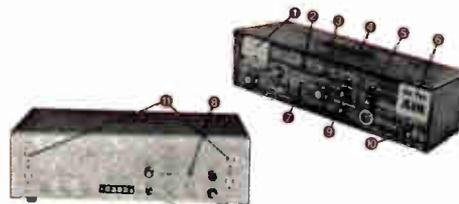


### GOLDEN COLINEAR 5/8 WAVE ANTENNA

Offers all of the refinements and outstanding performance of the CLR 2 PLUS extra heavy gauge seamless tubing reinforced to double wall at greatest stress points. Completely gold irridated for protection from corrosive atmosphere. Has four radials.

**ORDER NO. 514  
Net Wt. 14 lbs.**

\$ 44.50



### Hy-Gain's BASE STATION CONTROL

Every function and feature you need in one handsome unit.

Hy-Gain's new Base Station Control. Combines multiple features at far less than you would spend if you bought these accessories individually. Lets you control each function individually or with one on/off operation. Check out the Base Station Control:

1. SWR Bridge—Monitor your SWR to make sure you're really getting out.
- Percent Of Modulation Meter—Make sure your signal has more punch than any on the channel.
- Power Meter—Direct reading power meter lets you check your power to be sure your transmitter is operating at peak performance. Three ranges: 10, 100, and 500 watts.
2. Legal Phone Patch—Connects the phone line to your CB station for phone patch service to other mobile and base units.
3. Receive Pre-Amp—A built-in receiver preamplifier that is fine tunable to provide maximum performance on all 23 channels with up to 20 db gain.
4. Built-in Speaker—Makes all transceivers sound better.

**ORDER NO. 507 Net Wt. 8 lbs. \$159.95**

5. Antenna Switch—Use up to 3 antennas or dual polarity. You can select horizontal, vertical or omnidirectional.
6. On The Air Display—Indicates visually when RF is applied to antenna.
7. Station Mute Control—Keep everything hot and ready to go, but audio quieted when not needed.
8. Phone Jack—On back panel for monitoring transmissions. Speaker disabled when headsets are in use.
9. Speech Processor—A combination compressor-clipper amplifier which raises the average modulation percentage and gives you more talk power. Has both a gain control and clipping control. Adjustments of the Speech Processor can be monitored visually by the Modulation Indicator and audibly by plugging headsets into the built-in phone jack.
10. Big Switch—Will control entire CB station.
11. A.C. Convenience Outlets—Four grounded outlets on the back panel (three are connected thru the "Big Switch" and one is "hot" at all times for use with clock).

Matching microphone cable connectors are furnished.

# HY-GAIN STEERABLE BASE STATION ANTENNAS

## THE BIG GUN

If you want top gain—you must have a LONG BOOM. The BIG GUN, with **Twin Driven Double Loop Elements**, has the longest boom and tightest beam of any selectable polarity antenna.

All others have shorter booms and therefore less gain. It is positively the most powerful antenna of its type; extremely directional, you point it directly at the signal on receive or you don't hear it. Ideal for cutting down on interference. **Genuine quad construction** for proven superior performance. You get 14.3 db power gain, 38.7 db F/B ratio, forward polar selectivity gain 18 db. VSWR at resonance 1.2:1. Polarity switch available to select vertical, horizontal or an omnidirectional antenna (not furnished).

**ORDER NO. 401 Net Wt. 55 lbs. \$149.50**

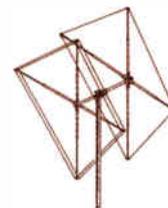
## STACKING KIT—

Stack two BIG GUNS for up to 3 db additional power gain. Designed for easy stacking of large antennas including Big Gun and Eliminator. Handles up to 100 MPH wind loads. Has 20' cross boom, phasing harnesses and hardware complete.

**ORDER NO. 405 Net Wt. 65 lbs. \$119.95**

## NEW ELIMINATOR II

New **Twin Driven Double Loop Elements** make this the top performer in a 2 element selectable polarity antenna. Get beam directivity plus polar selectivity in a small size, ruggedly constructed unit.



Power gain is 9 db. Forward polar selectivity gain—15 db. Front-to-back rejection is 30 db. Vert. to Horiz. separation is 15 db. VSWR at resonance 1.24:1, feedpoint is 52 ohms perfect match on both polarities.

Spreader length is 17'8" max., boom diameter 1 1/4". Turning radius is 9'2". Fits masts from 1 1/4" to 1 3/4". Wind survival exceeds 90 MPH. Polarity switch is not furnished.

**\$ 79.95 ORDER NO. 574 Net Wt. 17 lbs.**

## ANTENNA SWITCHES

To switch polarity or to select either omnidirectional or directional antennas. Handsome wood grain case. Handle up to 100 W. 2 position switch. Overall size 4" x 2 3/4" x 2".

**ORDER NO. 503 Net Wt. .5 lb. \$ 7.95**

3 position switch. Overall size 5" x 2 3/4" x 2".

**ORDER NO. 502 Net Wt. .5 lb. \$ 9.95**

# BASE STATION ACCESSORIES

## HY-GAIN DUMMY LOAD



Use with any CB rig. A 50 ohm non-inductive "dummy load" capable of accepting up to five watts for 15 minute durations with a VSWR of 1.1:1.

Calibrate a VSWR bridge, peak up your CB unit or check modulation without transmitting a carrier. Fits SO-239 receptacle. Merely connect to output of transceiver or VSWR bridge.

**ORDER NO. 580 Net Wt. 1 oz.**

**\$ 1.50**

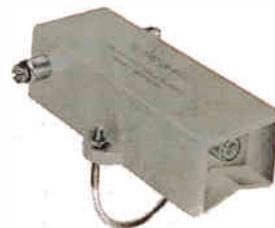
## HY-GAIN FERRITE BALUN COMPLETE WITH ALL HARDWARE

Provides a way to couple a 52 ohm unbalanced transmission line into a 52 ohm balanced system (beam antenna).

It improves the transfer of energy to the antenna—eliminating stray RF from the feedline and supporting tower.

The electrical principal of operation is similar to that of a 1:1 transformer. It is frequency independent and will operate over all CB channels.

Mounts quickly and easily on the boom or mast of any CB beam or duobeam.



**\$14.95**

**ORDER NO. 553 Net Wt. 14 oz.**

## SURE SAFE LIGHTNING PROTECTOR LA1

Will safely by-pass to ground at least 10 direct lightning strokes. Like having insurance only better. Only arrestor on the market that will take more than one jolt without replacement. Also removes static build-up. Literal lifetime lightning protection. Fitted with SO-239 type UHF coax connectors.

**\$24.95**

**ORDER NO. 229 Net Wt. 5 oz.**



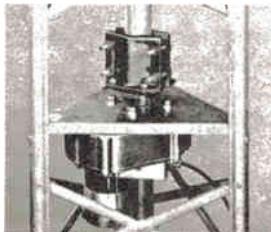
## LOW COST LIGHTNING PROTECTION

Gives you protection for your equipment plus discharge of static charges, greatly reducing chances of full lightning stroke. Won't affect your signal even at higher power output. Handles 1 KW with no insertion loss. Accepts one PL-259 and one SO-239 for insertion in any 52 ohm line.

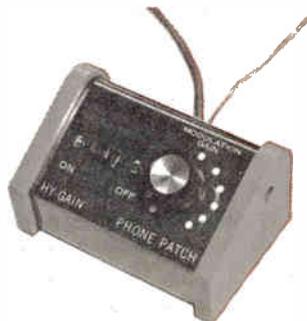
**ORDER NO. 577 Net Wt. .2 lb. \$ 3.95**

## ROTO-BRAKE—a rotator built to handle big beams and stacked arrays!

Over 4,000 in/lbs. rotating and starting torque. Uses heavy cut steel gears. Safety brake slips at 5,000 in/lbs. to prevent damage in extremely high winds. Handsome rotator control features sweep pointer which you set to desired direction with selector knob. Rotator finds and holds selected position automatically. Accommodates 1 1/4" to 3" dia. mast. Mounts in tower under plate, or sides of tower or poles with special mounting kits.



**ORDER NO. 400 Net Wt. 28.5 lbs. \$189.95**



## LEGAL PHONE PATCH

A top quality—low cost legal\* phone patch that enables you to tap your CB rig into the telephone. Talk to local or long distance party via your base from your mobile unit. Simple installation.

\*Legal when operated within scope of part 95 F.C.C. RULES.

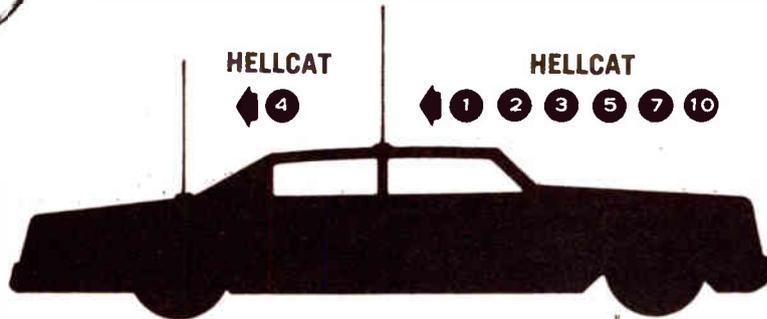
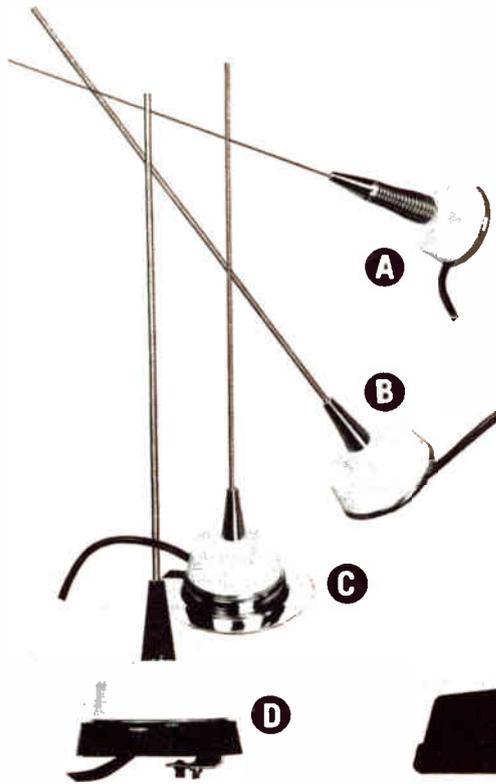
**ORDER NO. 402 Net Wt. 2 lbs. \$ 16.95**

# NEW HELLCAT MOBILE ANTENNAS

## A More Powerful Breed of Cat for Every Car, Boat and Camper!

Beautiful new Hellcats are more powerful, more efficient than ever before. You'll get a new standard of performance from your mobile CB rig because new Hellcats feature improved water-proofing, quieter operation and the lowest VSWR on all 23 channels.

Hellcats feature an exclusive new base loading design using an etched copper coil that gives uniform distributed capacity and absolute precision inductance, so all Hellcats come to you factory pretuned for lowest SWR on all 23. In addition they are at DC ground to give you the quietest of all mobile antennas.



**EXPANDING CLAW**  
fits any hole from 3/8" to 5/8" diameter.



**AUTOMATIC FOLDOVER**



Only Hy-Gain gives you the foldover antenna. The tension loaded base gives rigid support yet folds over instantly. Comes with rooftop model HELLCAT 7 and camper model HELLCAT 6.



**A** HELLCAT 1—LONG DISTANCE ROOFTOP. The leader of the line and unquestionably the most efficient rooftop mobile antenna made. Stainless steel spring protects whip from obstructions. 54" overall height—flexible spring base. 18' coax and connector. ORDER NO. 557 Net Wt. 3 lbs. \$17.95

HELLCAT 10—HIGH POWER HELLCAT. Same as HELLCAT 1 with extra heavy duty coil rated at 150 watts. ORDER NO. 506 Net Wt. 3 lbs. \$19.95

**B** HELLCAT 2—SHORT ROOFTOP. Perfect for tight spaces. Only 24" overall height. Gives full performance of longer antennas. 18' coax and connector. ORDER NO. 556 Net Wt. 2 lbs. \$16.45

HELLCAT 5—SAME AS HELLCAT 1 except does not have stainless steel spring. 54" overall height. ORDER NO. 575 Net Wt. 3 lbs. \$14.95

HELLCAT 8—THE FIBERGLASS HELLCAT. Same as HELLCAT 5 except whip is fiberglass—totally protected from salt air and static. ORDER NO. 664 Net Wt. 2.9 lbs. \$19.95

**C** HELLCAT 3—MAGNETICALLY MOUNTED. Mounts on any steel surface for instant temporary or permanent use. Holds up to 100 MPH. 35" overall height. 16' coax with connector. ORDER NO. 558 Net Wt. 4 lbs. \$17.95

**D** HELLCAT 4—TRUNK LIP MOUNTED. The most popular mobile antenna today! Not just a trunk mount on a rooftop antenna. This antenna is electrically tuned to give you the best possible pattern when mounted on the rear deck. No holes to drill!—installs with two set screws on lip of trunk. Coax is hidden. Comes with 20' coax and connector. 54" overall height. ORDER NO. 559 Net Wt. 3 lbs. \$21.95

**E** HELLCAT 6—CAMPER AND TRAILER. Exclusive chrome plated mounting system fits any camper or trailer. Uses existing camper screws. Will mount on top or side. Has exclusive foldover feature (see opposite page for illustration). Overall height 54". 18' coax and connector. ORDER NO. 561 Net Wt. 4 lbs. \$22.95

**F** HELLCAT 7—AUTOMATIC FOLDOVER. Only auto rooftop antenna made that gives you this outstanding feature! Folds flat for really tight fits or thick underbrush. 54" overall height. 18' coax and connector. ORDER NO. 576 Net Wt. 3 lbs. \$19.95

**G** HELLCAT 9—MARINE HELLCAT. Easiest to install, best in performance, and most beautiful in appearance. Luxurious white plastic and chrome fittings. Mounts with one hole anywhere on boat. Tuned circuit on 58 1/2" whip gives full 1/2 wave performance. DOES NOT NEED GROUND! 16' coax and connector. ORDER NO. 565 Net Wt. 4 lbs. \$29.95

# HY-GAIN MOBILE ANTENNAS

\$ 3.95 **HY-GAIN IMP  
WTTQ**

*New  
convenience  
for  
walkie-talkies!*



Offset  
clamp  
provides  
convenient  
self-storage  
when not in use.

Replace that long, clumsy or broken CB walkie-talkie antenna with THE IMP!

No tuning required—operates on any CB walkie-talkie.

**ORDER NO.554 Net Wt. 8oz.**

## THE DX CAT

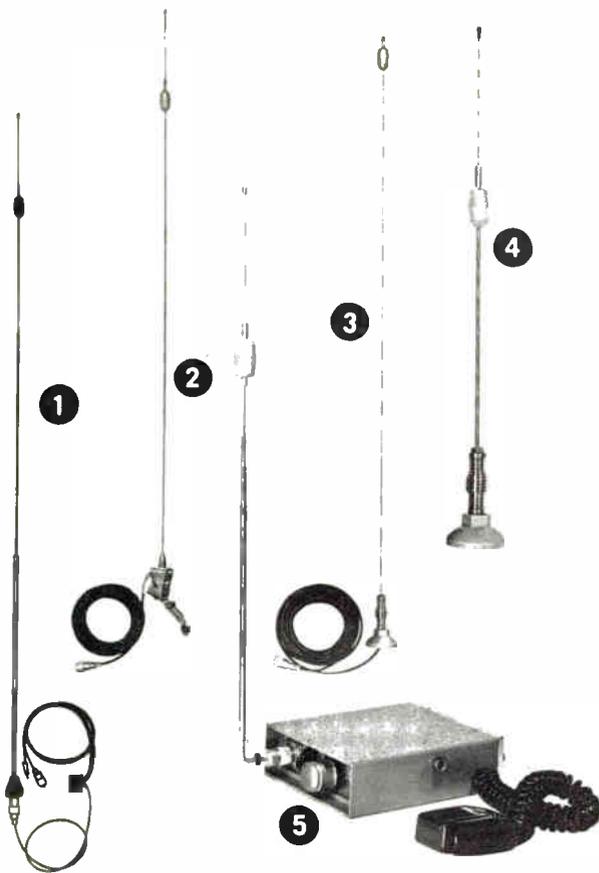
for CB'ers who want to push a powerful signal

It's the most efficient mobile CB antenna under the sun! Radiates more power than a long whip antenna and still lets you garage your car. The DX CAT presents a perfect 52 ohm match, and produces the same radiation characteristics as the full 1/4 wave whip, but with a greatly improved energy transfer. No special matching devices needed (any length of coax will work).

You can mount it on the bumper or on the rear deck. It has a shake-proof sleeve lock on foldover mast.

Coil is white fiberglass with chrome fittings. Takes one FULL KILOWATT P.E.P. All connections are standard 3/8" x 24 thread (does not include bumper or body mount).

**ORDER NO. 406 Net Wt. 9 lbs.  
\$21.90**



## HY-GAIN COMBINATION CB-AM/FM "DUQ-TOPPER" TTMPQ 1

Guaranteed to outperform ANY CB-AM/FM combination mobile antenna. Replaces AM broadcast whip. 50" overall height; telescopes down to 28". Chrome plated brass radiator-adjustable stainless steel tuning rod. Hy-Q loading coil. Coupler precision tuned for CB; adjustable to optimum performance on AM/FM radio; PL-259 connector and necessary coax.

**ORDER NO. 529 Net Wt. 3 lbs.  
\$17.95**

## HY-GAIN TRUNK DECK "JIFFY TOPPER" TJCQ 2

Guaranteed performance: easy trunk lip installation. Mounts on trunk lip—no exterior holes to drill. 50" overall height. Stainless steel radiator and lifetime adjustable tuning rod. Complete with adjustable stainless steel mount, antenna, PL-259 connector and 16' of coaxial cable.

**ORDER NO. 519 Net Wt. 3 lbs.  
\$16.95**

## HY-GAIN DX "ROOF TOPPER" TQROX 3

Guaranteed to outperform ANY other top loaded mobile antenna.

Mounts on rooftop. 50" overall height. Stainless steel radiator and lifetime adjustable tuning rod. Exclusive Hy-Q loading coil. New 3/8" single hole mount. Complete with antenna, shock spring, mount, 16' coaxial cable and PL-259 connector.

**ORDER NO. 545 Net Wt. 3 lbs.  
\$17.95**

## HY-GAIN SHORTY "ROOF TOPPER" TQRS 4

Mounts on rooftop. Convenient 19" overall height. Stainless steel radiator and lifetime adjustable tuning rod. Exclusive Hy-Q loading coil. New 3/8" single hole mount. Complete with antenna, shock spring, mount, 16' coaxial cable and PL-259 connector.

**ORDER NO. 551 Net Wt. 2 lbs.  
\$15.50**

## HY-GAIN TRANSCIEVER MOUNTED "TOPPER" TQCW 5

Guaranteed to outperform ANY other transceiver mounted antenna. Ideal for portable applications or where limited space is a major factor. Chrome plated telescoping radiator; Hy-Q loading coil; lifetime adjustable tuning rod. Overall height 47 1/4"; telescopes to 20"

**ORDER NO. 522 Net Wt. 1 lb.  
\$ 7.95**



**HERE'S THE BEST!  
FOR  
THOSE  
WHO PREFER A WHIP**

exclusive  
top stow away feature  
for easy garaging.

108" long super strength epoxy fiberglass whips using new compound fiber orientation. Has extra impact and flexural strength.

Has the largest size radiator used in any fiberglass whip. This gives the Glasscat extra efficiency over all others including those that claim gain over 1/4 wave.

Totally shielded from precipitation static, this is one of the quietest antennas made.

Chrome plated base has 3/8" x 24 stud to fit standard mounts. Does not require spring!

**ORDER NO. 505  
Net Wt. 3 lbs.**

**\$14.95**



# HY-GAIN CB MOBILE ACCESSORIES



## EXCLUSIVE DELUXE LO-BALL FLUSH BODY MOUNT BODY

Heavily chrome plated flush body mount compliments the trim and lines of modern cars. Accepts standard  $\frac{3}{8}$ " x 24 fittings. Use with whip or spring and whip. Complete with molded polypropylene base, rubber body washer and heavy gauge back-up plate. Net Wt. 1½ lbs.

**ORDER NO. 499 \$ 6.50**



## HY-GAIN SPEEDY TRUNK LIP MOUNT

This unique, all new trunk lip mount will accommodate all antennas requiring a  $\frac{3}{8}$ " hole and some using  $\frac{3}{4}$ ". It mounts so easily and quickly on the lip of your trunk lid. Two set screws hold this mount securely in place. Comes complete ready for installation with Allen wrench supplied. Net Wt. 0.2 lb.

**ORDER NO. 555 \$ 4.95**

## HY-GAIN FULL SIZED STAINLESS STEEL WHIP W102

The Model W102, when used with a spring, is a full sized quarter wave length antenna. It is constructed of highest quality taper-ground high-flex stainless steel. Measuring 102 inches overall, it is supplied with standard  $\frac{3}{8}$ " x 24 thread cadmium plated base stud. Easily installed using any standard mounting accessories. Net Wt. 3 lbs.

**ORDER NO. 413 \$ 6.95**



## DELUXE DOUBLE-TAPERED STEEL SPRING SPG

Heavy gauge chrome plated spring with precision formed end bells for perfect alignment. Accepts  $\frac{3}{8}$ " x 24 fittings. Net Wt. 2 lbs.

**ORDER NO. 417 \$ 5.95**



## EXTRA HEAVY DUTY STEEL SPRING SPGH

For rigid support of heavy mobile antennas. Chrome plated, high tension steel. Accepts  $\frac{3}{8}$ " x 24 fittings both ends. Net. Wt. 3 lbs.

**ORDER NO. 511 \$ 8.95**

## HIGH TENSION MINIATURE SPRING

Stainless steel, double-tapered spring. Handles whips up to 52". Accepts  $\frac{3}{8}$ " x 24 fittings. Net Wt. 1 lb.

**ORDER NO. 492 \$ 2.80**



## STAINLESS STEEL BUMPER MOUNT BPR

All stainless steel—strap twice as strong as chain. Adjustable alignment. Fits most late model cars. Accepts  $\frac{3}{8}$ " x 24 fittings. Net Wt. 1½ lbs.

**ORDER NO. 415**

**\$ 8.95**

Form No. B1-050

Printed in U.S.A.

All specifications subject to change without notice.



## INSULATED GUTTER CLIP

Secures whip for garaging. Non-piercing, single screw mounting. Net Wt. 4 oz.

**ORDER NO. 573 \$ 1.50**

## DELUXE JIFFY TRUNK MOUNT JMS

Fully adjustable heavy gauge stainless steel mount. Installs in trunk lip. Accepts standard  $\frac{3}{8}$ " x 24 stud. Net Wt.  $\frac{3}{4}$  lb.

**ORDER NO. 548 \$ 5.95**

## MOBILE FOLDOVER ADAPTOR FOA

Great protection for any mobile antenna using  $\frac{3}{8}$ " x 24 stud. Stainless steel spring hinged adaptor replaces shock spring—folds antenna over for low garaging—easily snaps into locked upright position for all driving conditions. Spring tension adjustable to need. Net Wt. 12 oz.

**ORDER NO. 785**

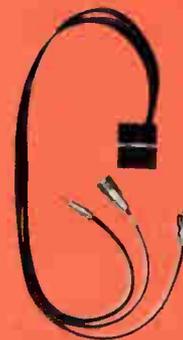
**\$ 6.67**



## CB-AM/FM COUPLER CPR3

New, unique isolating network to adapt any CB mobile antenna for both CB and AM/FM applications. Factory pre-tuned for optimum performance on CB—adjustable tuning for optimum performance on AM or FM. Complete with SO-239, automotive type AM/FM radio plug. PL-259 and necessary coax. Net Wt. 8 oz.

**ORDER NO. 552 \$ 8.25**



## ✓ Check rig PERFORMANCE



334A



CB

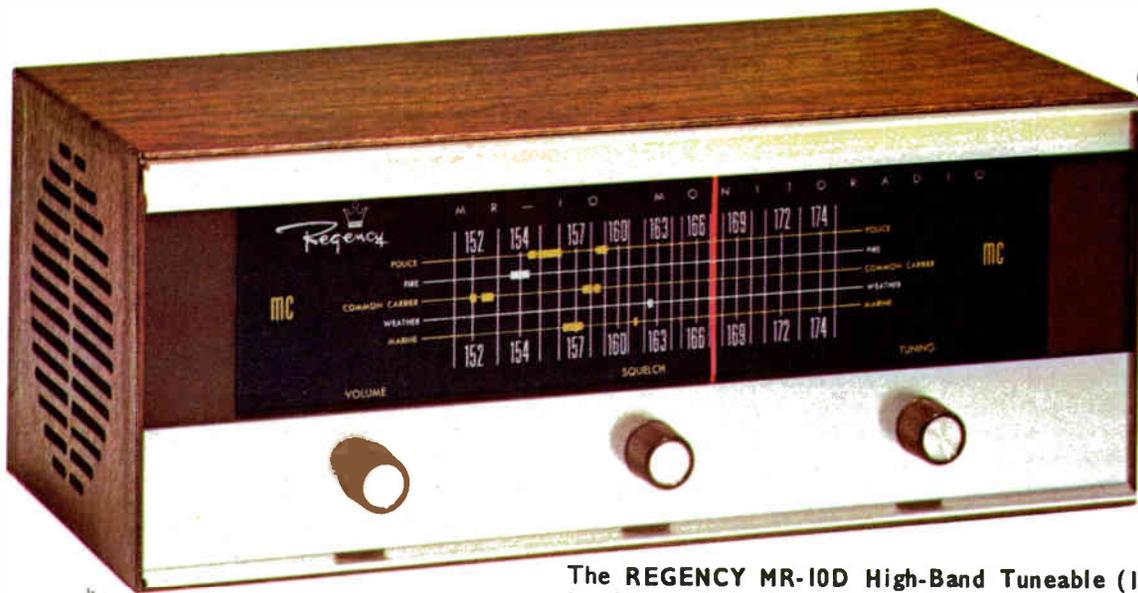


W-4

WATERS 334A 52-ohm Dummy Load and Wattmeter has four calibrated Scales: 0-10 watt, 0-100 watt, 0-300 watt, and 0-1000 watt. . . . . \$135.00

DRAKE CB Wattmeter is the latest development in the Drake Wattmeter line. Designed and built specifically for Citizens Band use, it has full scale reading of 10 watts with 2½ watts occurring at mid-scale, thus increasing low power readability. With this Wattmeter, you can accurately measure the output power of your transmitter, and also measure (with the aid of a supplied nomogram) the SWR of your transmission line. This instrument is a must for tuning up a transmitter for maximum output power. . . . . \$ 49.50

DRAKE W-4 Wattmeter is similar to above, but is for high-powered transmitters or linears. The W-4 has two ranges: 0-200 and 0-2000 watts. . . . . \$ 61.95



**Regency**

**MR-10D  
Tunable  
MONITORADIO  
\$84.95**



**REGENCY TMR-1 FM MONITORADIO** is a Single Channel Crystal Controlled receiver for those who want to concentrate their listening to a single frequency. 110vac and 12vdc. Less crystal. 2 1/4" h, 5 1/2" w, 7 1/2" d.

- MODEL TMR-1H 150-175 MHz \$ 99.95
- MODEL TMR-1LL 33-39 MHz 99.95
- MODEL TMR-1LM 37-43 MHz 99.95
- MODEL TMR-1LH 41-47 MHz 99.95
- MODEL TMR-1U 450-470 MHz 119.00
- Crystal Certificates . . . . . each 5.00



**REGENCY TMR-12 FM MONITORADIO** provides up to 12 Crystal Controlled channels. (No-Scanning) 110vac & 12vdc. Less Crystals. 2 1/4" h, 5 1/2" w, 7 1/2" d.

- MODEL TMR-12H 150-175 MHz \$119.00
- MODEL TMR-12LL 33-39 MHz 119.00
- MODEL TMR-12LM 37-43 MHz 119.00
- MODEL TMR-12LH 41-47 MHz 119.00
- Crystal Certificates . . . . . each 5.00

The **REGENCY MR-10D High-Band Tuneable (152-174MHz FM) Monitoradio** is the receiver that made Emergency Band Monitoring popular. A Regency Monitoradio lets you know what's happening in your community....Listen to police, sheriff & fire department, railroads, mobile telephones....Listen to paging, highway maintenance, utilities, VHF marine radio, business, taxis, civil defense frequencies - and much more. In addition, you can monitor the new Continuous US Weather Bureau Broadcasts in areas where the system is in operation. Three simple controls provide: Tuning, Volume, and Squelch facilities. Illuminated slide-rule Dial. 4" built-in speaker. Provisions for external speaker or headphones. 7 tubes plus rectifier. 110 volts a.c. 12 1/4" w, 6 3/4" h, 6 1/4" d. 11 pounds. . . . . \$ 84.95

**REGENCY MR-33D** - same as above, but for Low Band FM(30-50MHz) 84.95

**REGENCY AR-136 Flight Monitoradio** is the same as the MR-10D shown above, but is for tuning the complete Aircraft Band (108-136MHz). For the aviation enthusiast who wants to hear everything from the Airline Jet and control tower to the tiny Cub, etc. Graphic slide-rule dial shows you where to listen for what. 110 volts a.c. . . . . \$ 99.95

**MA-2H** Highband indoor telescoping antenna for MR-10D. . . . . \$ 3.25

**MA-2L** Lowband indoor telescoping antenna for MR-33D or AR-136. . . . . 3.25

## **CHANNEL MASTER 6252A**

**PORTABLE  
RECEIVER**

**Hi & Lo  
BAND  
plus AM**

**ONLY  
\$49.95**



**CHANNEL MASTER 6252A** is a tunable 3-band receiver that covers both the High Band (147-174MHz) and the Low Band (30-50MHz) Police/Public Service frequencies, plus the standard AM Broadcast band. Features variable squelch control, BUILT-IN 110vac power supply and telescoping antenna. For portable use, it uses 6 "C" batteries. Handsome leatherette case. With earphone & 5' auto antenna connecting cable. 9" w, 7" h, 4" d. . . . . \$ 49.95



2¼" x 5½" x 7½"

All models supplied LESS CRYSTALS.

  
Regency

Monitoradio/Scanner

## Monitor VHF FM Radio Automatically

Hear the exciting signals of Police, Fire, Civil Defense, Marine and other 2 way radio users.

All you do is turn it on . . . then you hear the news from where its happening, while its happening . . . on your choice of 8 crystal controlled frequencies.

This busy little radio searches for a signal . . . locks onto it . . . listens to it . . . then resumes search for a return or other signal. And the entire process is detailed by scanning lights for each channel.

And there is a push button for each channel, too, for programming the receiver to any combination of signals you want to hear. Push button controls, too, for automatic or manual operation.

Choose high band (148-174 MHz) or low band (30-50 MHz) models and both are available in 8 or 4 channel versions.

All models come complete with power cords for AC or DC operation, mobile mounting bracket, detachable telescoping antenna and built-in 4" speaker. On/off/volume and adjustable squelch controls are on front panel with terminals, external antenna and speaker on back panel.

You get all this plus maximum performance specifications: 5 watts audio; 0.5 microvolt sensitivity, 50 db @ 15 KC; Scan rate 0.05 seconds per channel.

### 8 CHANNEL MONITORADIO/SCANNERS

MODEL TMR-8H	148-174 MHz	\$139.00
MODEL TMR-8LL	33-39 MHz	\$139.00
MODEL TMR-8LM	37-43 MHz	\$139.00
MODEL TMR-8LH	41-47 MHz	\$139.00
MODEL TMR-8U	450-470 MHz	\$159.00

### 4 CHANNEL MONITORADIO/SCANNERS

MODEL TMR-4H	148-174 MHz	\$129.00
MODEL TMR-4LL	33-39 MHz	\$129.00
MODEL TMR-4LM	37-43 MHz	\$129.00
MODEL TMR-4LH	41-47 MHz	\$129.00

**CRYSTAL CERTIFICATES** which allow you to order crystals direct from the factory are \$5.00 each.

Electra

**BEARCAT**

THE ORIGINAL

**Scanning FM Monitor Receiver**



*Switches select desired channels. Lights indicate operating channel.*

**Automatically scans 1 to 8 FM emergency and business frequencies . . . stops for any transmission, then continues signal search**

PATENT APPLIED FOR

**Hear the exciting news as it happens on these public safety channels . . . Police, Fire, Civil Defense, Marine, Weather, Utilities . . . as well as business and other services**

### 3 BASIC MODELS

**BCH 150-174 MHz . . . \$139.95**  
Channel spread 12 MHz

**BCL 30-50 MHz . . . \$139.95**  
Channel spread 7 MHz

**BCU 450-470 MHz . . . \$149.95**  
Channel spread 20 MHz

**CRYSTALS, each . . . \$5.00**

ALL RECEIVERS ARE PRICED LESS CRYSTALS

**ONE YEAR WARRANTY**

**T**he Bearcat is the FIRST to bring you all the excitement of automatic scanning. It continually scans from one to eight fixed frequencies . . . locking on and listening to base or mobile conversation . . . then continues searching when transmission ends. Channel switches let you select only frequencies of greatest interest. Monitors base, mobile, relay and repeater stations, using both simplex and duplex operation. Transistorized integrated circuitry. U.S. made. Uses easily installed plug-in crystals. Front-mounted speaker, ideal for table, desk, bedside, car or boat.

Please allow 3 to 4 weeks for delivery on crystals or units ordered with crystals.

### SPECIFICATIONS

- Size: . . . . . 9" W x 4" H x 6 1/4" Deep (overall).
- Weight: . . . . . 4 Pounds.
- Power Input: . . . . . 117 Vac, 6 W scanning, 9 W maximum; 12.6 Vdc, .15 A scanning, .37 A maximum; 2 Power cables supplied.
- Power Out: . . . . . 2 W at 5% distortion. Front-mounted speaker.
- Antenna: . . . . . 1. Telescoping antenna supplied.  
2. Standard auto antenna connector.  
3. Outside antenna may be used with 50 ohm coaxial cable.
- Input Impedance: . . . . . 50-70 ohms.
- Sensitivity: . . . . . Readable at .3 microvolt for ±5 kHz deviation; 1 microvolt for 20 dB quieting; 1 microvolt for 20 dB signal to noise ratio; Model BCU (450-470 MHz) slightly less.
- Channels: . . . . . Up to 8 crystals controlled channels may be scanned automatically or selected individually or in any combination.
- Frequency Range: . . . . . Model BCL 30-50 MHz, total spread 7 MHz.  
Model BCH 150-174 MHz, total spread 12 MHz.  
Model BCU 450-470 MHz, total spread 20 MHz.
- Sample Rate: . . . . . Approximately 20 channels per second.
- Crystals: . . . . . Miniature plug-in type HC-18/U which may be installed easily by user in any desired position.
- Mobile Use: . . . . . Brackets supplied for mobile mounting under dash. The 12.6 Vdc power cable connects to "ACCESSORY" fuse block or regular "RADIO" fuse block. NOTE: USE WITH NEGATIVE GROUND SYSTEMS ONLY.
- Front Panel Controls: . . . . . Squelch; Volume on-off; Manual-scan switch; Channel select switch; 8 channel programming switches; 8 channel indicator lamps.

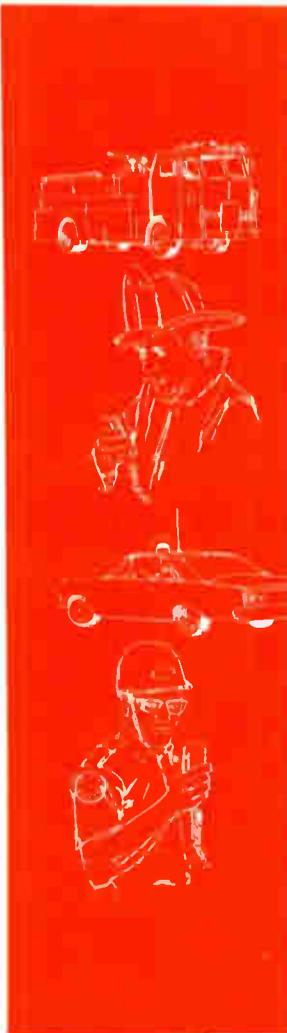
# the right antenna specialists co.

**antenna makes your monitor receiver work better ...**

**STRONGER SIGNALS FOR:**

- Less noise
- Positive squelch operation
- Longer range
- Fewer missed calls

**ON ALL POLICE, FIRE, EMERGENCY AND INDUSTRIAL FREQUENCIES**



**MON-1 Universal Mobile Antenna**  
Mounts on rooftop or any flat deck. Covers 118-174 MHz, or can be cut to cover 450-470 MHz (chart included). Complete with 15' of RG-58/U cable, pin plug, and adaptor for SO-239.  
Model MON-1 . . . . Suggested Resale \$7.95

**MON-2 Quick-Grip® Mobile Antenna**  
No holes to drill ... cable completely hidden! Installs in minutes on trunk lip. Covers 118-174 MHz (cutting chart included for 450-470 MHz). 15' of RG-58/U cable, pin plug, SO-239 adaptor.  
Model MON-2 Sug. Resale \$13.95

**MON-3 Base Station Antenna**  
Mounts on any pole or mast, up to 1 1/4" diameter. Extended range reception on 118-174 MHz (or cut to 450-470 MHz). Stainless steel radials. SO-239 termination, for cable (not supplied) with PL-259 plug.  
Model MON-3 . . . . .  
. . . . Suggested Resale \$8.95

**MON-9 Magnetic Mount Mobile Antenna**  
Ideal for temporary installations. Powerful magnet sticks to any flat metal surface — holds at any legal speed. Excellent reception on 118-174 MHz, or easily cut to 450-470 MHz. 16' cable, pin plug, and SO-239 adaptor.  
Model MON-9 . . . . Suggested Resale \$13.95

**MON-14 Quick-Grip® Mobile Antenna**  
Installs on trunk lip without holes, and with cable completely hidden! Covers entire 25-50 MHz band. Includes 16' cable with pin plug. Adaptor for use with SO-239 connectors also included.  
Model MON-14 . . Sug. Resale \$16.95

**MON-5 Mobile Antenna**  
Stainless steel base spring and whip. Covers entire 25-50 MHz band. Supplied with 16' of RG-58/U cable, pin plug, and adaptor for SO-239.  
Model MON-5 . . . Sug. Resale \$19.95

**MON-4 Base Station Antenna**  
Heavy duty construction, drooping ground plane design for maximum range reception on 25-50 MHz. Mounts on masts up to 1 1/4" in diameter. SO-239 termination for cable (not supplied) with PL-259 plug.  
Model MON-4 . . . . .  
Sug. Resale \$9.95

## Multiple range Monitor antennas

25-50 MHz... 130-174 MHz.

**MON-8 Base Station Antenna**  
Exclusive multiple loading coil for outstanding reception on all three bands ... without tuning! Designed for extended omni-directional reception. Has standard SO-239 connector at base (less cable).  
Model MON-8 . . . Suggested Resale \$19.95

**MON-7 Portable Base Station Antenna**  
Simply plugs into back of receiver. Center loaded telescopic whip adjusts easily ... covers entire band with one adjustment. Has pin plug plus SO-239 adaptor.  
Model MON-7 . . . \$10.95

**MON-6 Cowl Mount Mobile Antenna**  
Chrome telescopic whip with weatherproof loading coil. Adjustable to precise frequency — or broad band to cover all! Supplied complete with 5' of RG58/U cable and pin plug, plus an adaptor for SO-239 connections.  
Model MON-6 . . Suggested Resale \$14.95

**MON-10 Cowl Mount AM/Monitor Mobile Antenna**  
Replaces standard AM auto antenna. Chrome telescopic whip. Weatherproof loading coil. Adjustable to any AM or any monitor frequency. Also adjustable broad band to cover all! Supplied complete with RG-58/U cable, pin plug, and adaptor for SO-239 connections.  
Model MON-10 . . . . . Suggested Resale \$26.95

**MON-12 Dual Band Mobile Antenna with easy-to-use gutter clamp**  
Takes just seconds to clip onto vehicle gutter. Comes complete with 10' of cable, pin plug, and adaptor for SO-239 connections. Covers 25-50 and 130-174 MHz bands.  
Model MON-12 . . Suggested Resale \$15.95

**MON-13 Quick-Grip® Dual Band Mobile Antenna**  
No holes to drill ... cable completely hidden! Installs in minutes on trunk lip. Adjusts to specific frequency or covers entire 25-50 and 130-174 MHz bands. Includes 16' cable, pin plug, and adaptor for SO-239 connections.  
Model MON-13 . . Sug. Resale \$16.95

**MON-11 AM Coupling Harness**  
Converts MON-6 to cover AM broadcast in addition to monitor frequencies. PL-259 termination for use with SO-239 connectors. Pin plug adaptor also included.  
Model MON-11 . . Suggested Resale \$13.95

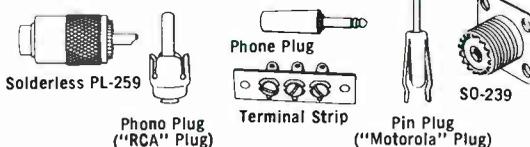
**Suggested Resale**

M-41	Pin plug to SO-239 . . . . .	\$1.35
M-42	Phono plug to SO-239 . . . . .	1.35
M-43	Pin plug to phono jack . . . . .	.69
M-44	PL-259 to phono jack . . . . .	1.65
M-45	Phono plug to pin jack . . . . .	.69
M-46	PL-259 to pin jack . . . . .	1.65
M-212	Solderless PL-259 (for SO-239) . . . . .	.69
M-194	PL-259 to phono jack . . . . .	3.90

**A/S CONNECTOR ADAPTORS**

Low loss adaptors match connectors on your receiver.

**TYPES OF CONNECTORS USED ON MONITOR RECEIVERS:**



police ... fire ... volunteers ... industrial ... aviation ... marine ... weather ... fleets ... business ... civil defense

# New! Exclusive!

*two bands  
in one  
push-button  
package*

Hi/Lo  
Monitoradio  
Scanner

Our computer patch board matrix, complemented by push button program control, enables you to monitor your choice of 6561 High Band/Low Band frequency combinations.

Fascinating, read-out lights detail this radio's search for active signals. It locks on and listens to the action . . . and resumes signal search at end of each transmission . . . automatically.