





## RCA GEIGER COUNTER MODEL WF-16A

USES 10 EXTRA-SENSITIVE  
BISMUTH-TYPE GEIGER-COUNTER  
TUBES . . . USEFUL FOR AERIAL  
AND CAR SURVEYS \$750—  
R.C.A. LIST PRICE

The WF-16A is the most sensitive portable instrument in RCA's line of Geiger counters. It uses a bank of ten bismuth-type Geiger-counter tubes, and measures up to 200,000 counts per minute (CPM) in three ranges: 0-2,000; 0-20,000; and 0-200,000 CPM. Its high sensitivity makes the unit an indispensable tool for the professional prospector. The WF-16A has many features, such as a control to compensate for background radiation, a rapid-zero-reset button, and a built-in battery-voltage checker which shows condition of "A" and "B" batteries directly on the meter. A two-step switch permits choice of "fast" or "slow" meter indication. The WF-16A measures 11" x 4 7/8" x 7 1/2" and weighs approximately 8 pounds with batteries. It is supplied complete with all tubes, RCA batteries, headphone, and top-grain leather case.

OUR PRICE  
**\$79<sup>50</sup>**  
BRAND NEW!

## SCR-625 ARMY MINE DETECTOR



A Boon To All Prospectors  
—Oil Companies—Plumbers  
—Miners—Etc.

OUR PRICE  
**\$32<sup>50</sup>**

A novice can readily learn how to operate this device, which locates any metal buried approximately two feet in the ground or even in water! A fully explanatory 64 Page "Technical Manual" is included—it describes the Operation-Maintenance-Application-Servicing, Etc. Contains many Photographs, Circuit Diagrams and a wealth of helpful data. Removed from its sturdy Wood Chest, all the equipment weighs only 15 pounds, thus can be carried on the user's back in the Special Bag included, except the hand held Exploring Rod with its associated Controls, Etc.

Truly Portable! The user is alerted to the presence of a buried metal mass Audibly — by listening to the varying intensity of volume of a 1,000 Cycle Tone produced by the Resonator Apparatus, thus usage at night or in dark areas is always possible. (Suggestion: makes an ideal Rental Money Maker!)  
Batteries not included. Required: 2 BA-30 Flashlight Cells & 1 BA-38.

COMPLETE As Pictured  
**CAN BE ADAPTED FOR UNDERWATER EXPLORATION!**

### RA-62 AC POWER SUPPLY



Used with SCR-522, this power supply furnishes all the necessary Transmitter-Receiver Voltages.

INPUT: 115/230 Volts 60 cycles  
OUTPUT: 300 VDC at 230 Ma.  
-150 VDC at 8 Ma.  
13 VDC at 3.9 Amps.

Completely fused and filtered.  
Size: 16x11x11". Wt 75 lbs.  
LIKE NEW.....**\$59<sup>50</sup>**

### RA-43 POWER SUPPLY



RECTIFIER UNIT  
Excellent Used  
**\$44<sup>75</sup>**

INPUT: 80 to 125 or 200 to 250 volts 50/60 cycles.  
OUTPUT: 115 V.D.C. regulated at 6 Amps.

Features full-wave grid-controlled rectifier. Output voltage is regulated to 1%. Ripple 0.5%. Input circuit breaker. Output fused. AC/DC voltmeter to measure input and output voltages, RF input and output noise filters.  
Size: 29x16x16". Weight 175 lbs.

### TRANSMITTER



NAVY MODEL  
TBS-6  
**\$16<sup>25</sup>**

NEW, complete with tubes.....  
60 to 80 Megacycles, 50 Watts Carrier Power. Designed for reliable ship-to-ship communications. Crystal controlled, will operate on any single frequency in 60 to 80 Mc range. Input power 220 V 60 cycles 1000 Watts.

Provides Voice or Modulated CW signals, 100% modulation. Tubes: 2/708, 3/808, 1/6A6, 1/6D6, 1/2A3, 1/84. Size: 23 1/2 x 10 1/2 x 17 3/4". Weight 75 lbs.

### SIGNAL CORPS EE-8 FIELD PHONE

PROVIDES 5 MILE RANGE  
CLEAR RECEPTION USING  
ITS TWO SELF-CONTAINED  
FLASH-LIGHT BATTERIES!

GOVERNMENT COST—\$90.00  
(When Brand New)

Excellent Used

**\$16<sup>95</sup>**

With Batteries

GUARANTEED:  
FULLY CHECKED OUT!  
Perfect Working Condition!

Serves countless applications where Telephone calls are desired between two or several more locations. Signal Corps endorsement vouches for its Utility & Efficiency! Portable—Completely Self Contained! Uses low cost Two Cond. Cable. Two Way Ringing Telephone System—Side Crank actuates a Generator to ring one or more remote stations. Incoming calls sound the Ringer Unit. Modern Handset is equipped with switch that disconnects batteries from Mouth-Piece Unit during listening usage. Canvas Carrying Case has a Shoulder Holster. Handset Connector Cable included. Extremely simple to use—by even any youngster!

### RADIO SET AN/APR-21 TRANSMITTER & RECEIVER

FREQUENCY  
MODULATED  
152 to 174  
Megacycles

LIKE NEW  
**\$125<sup>00</sup>**  
Complete



Operates on any preset frequency within VHF range of 152-174 Mc FM. Provides reliable voice communications over moderate distances. Tubes: 1/1AG4, 1/5672, 1/6397, 3/6611, 2/6612, and 1 transistor 2N65 and 1/2N101. Consists of Radio Receiver-Transmitter, Handset H-33, Antenna AT-486/G and two carrying straps. Battery BA-358/U not included. Overall size: 12" x 8 1/2" x 5 1/2". Weight 15 lbs.

### TG-5B TELEGRAPH SET for CODE COMMUNICATIONS or CODE PRACTICE

NEW  
**\$8<sup>95</sup>**



Portable, with hinged lid. Two or more units can be operated up to 25 miles apart, over land lines. Has bell call system, 1000 cycle howler, key, headpiece, canvas case, book, Wt. 10 lbs. Batteries not included; two 1 1/2 volt and one 2 1/2 V. Overall size 5 1/2 x 5 1/2 x 10".

### ARR-1 OSCILLATOR



### GOLD-PLATED SPECIAL!

UHF Cavity Resonator, 234-258 Megacycles, Special Buy! .... **\$4<sup>25</sup>**

Fully wired, includes two 955 acorn tubes. Navy portable test oscillator. Can be used as modulated signal generator! Tuning wrench, tubes, whip antenna, included. Size: 9 1/2 x 6 1/2 x 6 1/2".

### TG-34A KEYS

BRAND NEW in ORIGINAL CARTON

**\$24<sup>50</sup>**

Excellent Used..... **\$18.95**

Operates on 115 or 230 Volts 50-60 cycles AC. This is an automatic unit for reproducing audible code practice signals previously recorded in ink on paper tape. By use of self contained speaker, the unit will provide code practice signals to one or more persons, or will provide a keying oscillator for use with a hand key. Compact in portable case. Complete with tubes, photocell. Size 10-9/16" x 10 1/2" x 15-13/16". Shpg wt 45 lbs.

### TG-10 CODE PRACTICE SET



Especially fine for schools or groups. This completely automatic unit operates from 110 V 60 cy current, using inked paper tapes to produce audible Morse code. Keyer may be set from 5 to 25 words per minute. 10-watt amplifier. Permits use of key instead of tapes for classroom work. Excellent Used..... **\$17<sup>50</sup>**

### McELROY AUTOMATIC KEYS



Suitable for keying transmitter, or for code practice. Has photoelectric cell and sensitive relay. Variable speed motor operates on 110 Volts 60 cycles AC. Complete with tubes, Excellent Used..... **\$12<sup>95</sup>**

### BC-617 RECEIVER



FM RECEIVER

BC-617 FM Receiver & Selector Frequency Coverage 30 to 40 Mc. 10-channel tone selector that actuates relay circuits. Coaxial Antenna input, squelch circuit, audio control output jack, etc. Complete with tubes: 7/12SN7, 1/12H6, 1/12S A7, 2/12SJ7, 3/12SK7, and 1/VR105; and 24 volt dynamotor. Size 11x8x20". Wt. 35 lbs. NEW..... **\$14<sup>95</sup>**

### BC-733 RECEIVER

Satellite Receiver



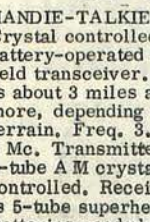
Receive radio signals being transmitted by US Satellite on approx. 108 Mc. This receiver is AM and crystal controlled on six preset frequencies in the 108.3 to 110.3 Mc range. Provides audio and band pass filter output of 90 and 150 cycles for aircraft instrument landing for which originally used. Complete with ten tubes: 1/12AH7, 2/12SG7, 2/12SR7, 1/12SQ7, 3/717 1/12A6, Crystals and Schematic. Voltage required: 12 or 24 V DC and 220 VDC 80 Ma. Size: 13-3/8" x 5" x 7". Also can be converted to FM receiver 80 to 108 Mc. BC-733 Receiver, Exc. Used..... **\$8<sup>95</sup>**  
BC-732A Control Box for above, NEW..... **\$1.75**

### BC-654 TRANSMITTER/RECEIVER



Portable 7-tube superhet receiver and 6-tube transmitter, covers from 3800 to 5800 Kc. Furnished with all 13 tubes (low drain battery type). Modulation: AM or CW. Freq. Control: Master Oscillator. Power Output 17 Watts. Complete with Tubes, Excellent Used ..... **\$29<sup>50</sup>**  
PE-104 Vibrator Power Supply for above, NEW..... **\$12.50**

### TRANSCEIVER BC-611



HANDIE-TALKIE  
Crystal controlled battery-operated hand held transceiver. Range is about 3 miles and more, depending on terrain. Freq. 3.7 to 5 Mc. Transmitter is 4-tube AM crystal-controlled. Receiver is 5-tube superhet. Batteries needed: Burgess #37(A) and XX-69 (B). Complete with tubes, less batteries. LIKE NEW CONDITION..... **\$29<sup>50</sup>**

## BRAND NEW BC-645 TRANSCEIVER

EASILY CONVERTED FOR 420 MC. OPERATION



FOR FIXED OR MOBILE USE

This equipment originally cost over \$1000. You get all in original factory carton, BRAND NEW, Complete with 15 tube, less dynamotor and accessories, OUR PRICE...

**\$16<sup>95</sup>**

DEPENDABLE TWO WAY COMMUNICATION MORE THAN 15 MILES!

- FREQUENCY RANGE: About 435 to 500 Megacycles
- TRANSMITTER has 4 tubes: WE-316A, 2-6F6, 7F7
- RECEIVER has 11 tubes: 2-955, 4-7H7, 2-7E6, 3-7F7
- RECEIVER I.F.: 40 Megacycles
- SIZE: 10-1/2" x 13-1/2" x 4-1/2". Shpg Wt 25 lbs.

Makes wonderful mobile or fixed rig for 420 to 500 Mc. Easily converted for phone or CW operation. Provides reliable communication for more than 15 miles!

Superb quality components and circuitry in this unit make it ideal for the technician experimenter. Many fabulous experiments can be performed. For example, you can construct a Yagi antenna for the 420 Mc band that will produce a gain of 10 db and yet fit on your operating desk!

### ACCESSORIES FOR BC-645

- MOUNTING FOR BC-645 Transceiver..... **\$1.50**
- PE-101C DYNAMOTOR, 12-24 Volts, (easily converted to 6 volts)..... **7.95**
- MOUNTING FOR PE-101C Dynamotor..... **1.00**
- UHF ANTENNA ASSEMBLIES (set of 2).....per set **2.95**
- COMPLETE SET OF 11 CONNECTORS..... **5.95**
- CONTROL BOX BC-646..... **2.95**
- MOUNTING FOR BC-646 Control Box..... **1.00**

### SPECIAL "PACKAGE" OFFER:

BC-645 Transceiver, Dynamotor and all accessories above, COMPLETE, BRAND NEW, While Stocks Last..... **\$26<sup>95</sup>**

F.O.B. New York City or Ogden, Utah  
FOR SAVINGS ON FREIGHT CHARGES

### BC-659 TRANSMITTER/RECEIVER



FM TRANSMITTER & RECEIVER, 27 to 38.9 Mc. Crystal control on any two pre-selected channels, 80 channels. Uses FT-243 crystal; 13 tubes: 1LH4, 1LC6, 4/1LN5, 2/1291, 4/1299, 1/1291.

Complete with tubes, speaker and meter. Size 15" x 12 1/2" x 6 3/4". Range up to 5 miles. NEW..... **\$27<sup>50</sup>**  
VIBRATOR POWER SUPPLY for above, available for 6V, 12V or 24V (please specify voltage desired when ordering.) LIKE NEW..... **\$8.95**

### BC-966-AZ TRANSMITTER/RECEIVER



Receiver-Transmitter IFF set, used in aircraft for "Friend-or-foe" identification in the freq. range of 160 to 211 Mc. Pulse operation. Contains 13 tubes: 3/6H6, 3/7193, 7/6SH7. Also 18 volt dynamotor with blower and gear train, voltage regulator relays, condensers, resistors. EXCELLENT USED CONDITION..... **\$7<sup>95</sup>**



### 24V ABC POWER SUPPLY

Model 24, made by Setchell-Carlson. Supplies A, B and C voltages. INPUT: 24 Volts DC at .8 Amps. OUTPUT: 1.5 V DC at .3 Amps; 65 V DC at .010 Amps, and -6 V DC. Black wrinkle case 7" x 4" x 4". Wt 4 lbs. Like New..... **\$6.95** BRAND NEW..... **\$8.95**

## BC-1206-C RECEIVER



Aircraft Beacon Receiver 200 to 400 Kc. Operates from 24V DC 1.5A. 135 Kc IF. Comp

lete with tubes: 2/14H7, 1/14J7, 1/14R7 and 1/28D7. Continuous tuning, volume control, on-off switch and phone jack. Very sensitive, 3 microvolts drives it to 10 mw output. Very compact, only 4"x4" (front panel) x 6 1/2" deep. No power supply required, works on 24 V DC for both plates and heaters. Output transformer in the unit has taps for 600 or 4000 ohms. Weight 5 lbs. NEW, With Tubes..... **\$12<sup>95</sup>**  
Exc. Used, with Tubes **\$9.95**  
Exc. Used, less Tubes **\$5.95**

## BC-652 RECEIVER



8-tube, single conversion 2-band 2-6 Mc sensitive receiver, made by GE. Has built-in crystal calibrator which gives markers every 20 & 100 Kcs.

Excellent for Amateur or Marine installation. Can be powered from either 12V or 24V DC Power Source. Has all controls on front panel and requires no conversion. Tubes: 12SG7 RF, 12K8 Conv., 12SK7 IF, 12C6 IF, 12SK7 IF, 12SR7 Det., Avc & Audio, 6Y6 output, 12K8 BFO. Freq. Range: 2 to 6 Mc (2 bands). Output Imp.; 4000 & 600 ohms. Size: 13" x 8" x 15" Deep. Wt 47 lb. Complete with all tubes, NEW..... **\$49<sup>50</sup>**

DM-40 12V DC Dynamotor for above, NEW..... **\$2.95**  
DM-41 24V DC Dynamotor for above, NEW..... **\$3.25**

## BC-1033 RECEIVER



75 Mc. Three tube tuned RF reflex type receiver with a rectified output operates extremely sensitive relays in audio control work. Relay closes at 0.4 Ma, reopens when current falls to 0.2 Ma. Excellent basis for door opener, robot audio control of model planes, boats, etc. Converts to tone keyer for xmtr monitors. Excellent Used, CLEAN..... **\$4<sup>95</sup>**

## R-58/ARQ-8 RECEIVER



Used with T-51 transmitter as a search and jamming set in 25 to 105 Mc range.

Receiver freq. controlled by trans. oscillator and fed thru the coaxial connector on front of receiver which has a 20 Mc IF. Unit requires 115 V 400 cycle and 24 V for power. Complete with tubes: 1/9001, 3/68Q7, 1/68Q7, 1/6AG7, and 1/6Y3GT. Size: 5 1/2 x 7 x 2 1/2". Weight 25 lbs. Excellent used,.... **\$7<sup>95</sup>**

## SCR-522 TRANSMITTER/RECEIVER

Designed to operate from 100 to 156 Mc. this unit makes fine 2-meter rig for 2-way mobile radio! Complete xmtg, rcvg remote control.



Power requirements:  
28V DC at 12 Amps (PE-94 Dyn.)  
12V DC at 24 Amps (PE-98 Dyn.)  
110 V AC 60 cps (RA-62 Rectif.)

Both units can be removed from case separately. Overall size: 16 1/2" x 12 1/2" x 10 3/4". Weight 49 lbs. SCR-522 Transmitter-Receiver, complete with 18 tubes, LIKE NEW.....\$39.50

BC-624 Receiver with tubes Excellent Used.....\$23.50  
BC-625 Transmitter with tubes, Excellent Used.....\$23.50  
BC-602 Pushbutton Control Box NEW.....\$ 2.50  
AN-104 Antenna, NEW.. \$ 1.75  
PE-94 28VDC Power Supply Used.... \$4.75 NEW..\$ 7.95  
PE-98 14VDC Power Supply LIKE NEW.....\$14.50  
RA-62 AC Power Supply.. PUR.  
Miscellaneous Control Boxes & Connecting Plugs, Spare Parts & Accessories AVAILABLE FROM STOCK

## SCR-510/BC-620 TRANSMITTER/RECEIVER



BC-620 Low Power VHF FM Pack Sets are designed for short range use. These sets are ideal for installation in vehicles for Amateur, Citizens Band or Commercial Applications.

SCR-510 consists of BC-620 Transceiver, Vibrator Power Supply, all accessories including handset, mast sections, manual etc, in 3 cases, BRAND NEW..... \$89.50

BC-620 Transceiver only, with all tubes, exc. used.....\$22.50

Vibrator Power Supply for Transceiver, like new.....\$ 6.95

Frequency Range 20-27.9 Mc. (80 channels).  
Power Output: 2 Watts.  
Preset Freq.: 2.  
Freq. Control: Crystal  
Power Source: 6-12 or 24 V DC.  
Size: 7"x14"x15". Wt. 30 lbs.

ACCESSORIES: PE-120, 6, 12, 24 VDC Power Supply. TS-13 Handset, Tech Manual, Mast Base & Sections, etc. Brand new, packed in 3 original cases. Price Upon Request.

## THE FAMOUS No. 19 MARK II TANK TRANSMITTER-RECEIVER



One of the best buys on the surplus market today! 2 to 8 Mcs in 2 bands. (A Set) 15 to 25 Watts output depending on frequency and type of emission, CW and Radio Telephone. Also short range (B Set) band 230 to 240 Mcs. No. 19 MARK II is VFO tuning, easy to convert to crystal operation. Sender/Receiver alone complete with tubes. Power requirements: 12V at 3A., 265V DC at 120 Ma and 540V DC at 50 Ma.

New, With Tubes \$22.50

## APN-1 TRANSMITTER/RECEIVER



RT-7/APN. FM Transceiver. Receiver frequency: 400-450 Mc. Transmitter frequency: 418 to 462 Mc. Frequency modulated by moving coil transducer - heart of the W.W. Wobulator. Easily converted for Radio control or 70 cms. Complete with 14 tubes, 4-12SH7, 3-12SJ7, 2-12H6, 2-955, 2-9004 and 1-VR150.

APN-1, NEW, with tubes, dynamotor, schematic.....\$119.50  
Exc. Used, as above.... 8.95  
ID-14/ARN-1 Indicator.....NEW \$ 4.75  
SA-1A/ARN-1 Altitude Switch... NEW \$ 2.50  
Mounting Rack for APN-1.....\$ 1.75

## BC-AR-430 TRANSMITTER



Aircraft Transmitter for 24V DC operation. Contains two type 10 and two type 45 tubes. 0-1.5 amp R.F. Ammeter and power output approx. 25 watts. Voice modulated, less plug-in coils. Size: 6" H, x 6-3/8" W, x 11" D. Wt. approx. 13 lbs. NEW, with tubes..... \$4.95

Plug-in Coils for Above Available from Stock

## BC-603 FM RECEIVER



BC-603 FM Receiver: Freq. Range 20-27 Mc. 10 preset push button channels or manual tuning. Has sensitivity and volume control, squelch, on-off, 2-watts output to self-contained speaker. Sensitivity 1 microvolt. Works on 12 V with DM34 Dynamotor. 24 V with DM36 Dynamotor. Ten Tubes: 6AC7 RF Amp., 6AC7 Mod., 6J5 RF Osc., 12SG7 IF Amps, 6AC7 Lim., 6H6 Det., 6V6 2nd IF Amplifier & IF Osc. Size: 11 1/2" x 6 3/4" x 12 1/2" Deep. Wt. approx. 30 lbs.

BC-603 Recvr NEW with Tubes.....\$44.50  
BC-603 Receiver 35-50 Mc. NEW with Tubes.....\$52.50  
AC Power Supply NEW \$14.95  
DM-34 12 V Power Supply NEW.....\$ 4.45  
DM-36 24 V Power Supply Exc. Used.....\$ 2.25  
Technical Manual.....\$ 2.50  
SET OF TEN TUBES FOR BC-603 RECEIVER.....\$5.95

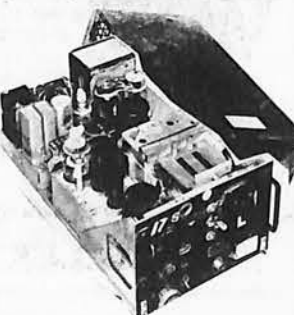
## BC-604 FM TRANSMITTER



BC-604 FM Transmitter, 20 to 27.9 Mc. Output approx. 30 Watts. 10 crystal controlled channels. Tubes: 1619 1st Audio Amp., 1619 2nd Audio Amp., 1619 Osc., 1619 Doubler, 1619 Tripler, 1619 1st RF Amp., 1619 RF Rect., 1624 Power Amp. Size: 18" x 11 1/2" x 10-3/8" Deep. Weight 60 lbs less dynamotor. BC-604 Transmitter New with Tubes.....\$12.50  
BC-684 Transmitter Exc. Used with Tubes, \$10.50  
BC-683 Receiver (27-39 Mc). Checked out, excellent used.....\$44.50  
FT-237 Mounting Base for BC-603 and BC-604 units above, NEW.....\$ 6.95  
DM-37 28 VDC Dynamotor Supply for Transmitter Above, NEW.....\$ 4.75

ADDITIONAL ACCESSORIES FOR ABOVE UNITS AVAILABLE FROM STOCK

## T-26/APT-2 TRANSMITTER



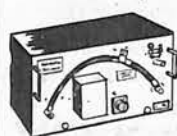
This unit operates on 80/115 V 400 cycle AC. Contains 400-700 Megacycle oscillator circuit using two WE368A5 tubes. Other tubes included are: 2/5R4GY, 1/807, 1/931A photo multiplier, 1/6AG7, 1/2X2, 2/6AC7. Size: 8x10 1/2 x 20". Shpg wt 60 lb. Complete with all Tubes, NEW.....\$28.50

## DIVERSITY RECEIVER



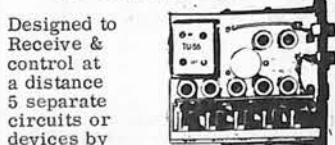
Provides means for combining output of three receivers to produce a single keyed audio output signal free from noise, interference. Suitable for use only in CW and MCW signals, not voice. Band-pass filter is for 600 to 1200 cycles. Output of each receiver indicated on 500 micro-amp meters. 600-ohm input and output impedance. Operates from 115/230 Volt 50/60 cycles. Can be rack-mounted. With tubes: 1/VR-150, 1/6F8, 3/6A6, 2/6SJ7, 1/77, 1/1V, 1/80. Size 21x19x14" Weight 125 lbs. NEW.....\$22.50

## RT-34/APS-13 TRANSMITTER/RECEIVER



Easy to convert to 420 Megacycle Ham Band. Exceptional Buy - only a few left! Excellent Used, less tubes.....\$7.95

## R-116/ARW-26 RECEIVER



Designed to Receive & control at a distance 5 separate circuits or devices by means of 5 different audio tones, of 300, 650, 955, 1390, and 3000 cycles. Contains 1 stage RF-Det., 2 stage Audio, 5 tuned AF circuits. Has five 10,000 ohm relays, 7 3Q4 tubes, 1/9003 and 1/9002 tube. Compact 7x5x7". NEW.....\$12.95

## ARN-5C/R-430 RECEIVER



Used in Aircraft to receive a modulated signal 90 & 150 cyc. on 332.6, 333.8 Mc. Operates from 24 VDC. Complete with tubes: 6/6AJ5, 2/12SN7, & 1/28D7. Size: 5 1/2 x 6 1/2 x 11". Wt 12 lbs. Complete with tubes and Crystals, LIKE NEW.....\$9.50

## R-122/ARN-12 RECEIVER



Airborne equipment, designed to receive radio signals to deliver aural and visual indication to aircraft pilot. Received signal is fixed frequency 75 Mc AM modulated at 400, 1300 or 3000 cps. Operates from 24VDC. Complete with tubes: 5/6AJ5, 2/6AL5W, 2/28D7. Has crystal-controlled oscillator with 6.9 Mc IF freq. Size 10x5x6". Wt 8 lbs. In LIKE NEW Condition.....\$7.95

## GP-7 TRANSMITTER



NEW \$42.50

Navy's Plug-in Tuning Unit Transmitter tunes 300 Kc to 10 Mc. continuous with 6 tuning units. 125 Watt Xmtr., self-contained AC 400 cycle power supply. Uses suppressor grid modulation for phone, VFO controlled, 803 in final, NEW, less tuning units. \$42.50

PLUG-IN TUNING UNITS:  
Range "A" 350-800 Kc.  
Range "B" 350-800 Kc.  
Range "D" 800-3000 Kc.  
Range "F" 3000-9050 Kc.  
Tuning Units, Each.....\$7.95

## TRANSMITTER/RECEIVER



## TRANSPONDER APX-6

RT82/APX-6 Radar Identification Set. Receiver-Transmitter covering range of 950-1150 Mc. (Can be converted to 1215, 1296 Mc). With 30 tubes: 6/6J6, 1/6AS6, 1/3E29, 3/6AL5, 1/5Y3, 2/3B24, 3/6AL5, 2/12AU7, 7/6AK5, 1/2C42, 1/2C46, 1/1B40, 1/1N43, 1/1N25. Digit counter on tuners for trans-rec-lo freq. controls. Voltage required: 24 and 115 V., 400/800 cycle. Size: 13"x13"x10" Weight 45 lbs. Excellent Used..... P. U. R.

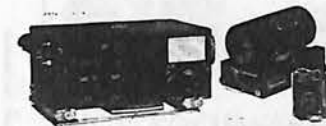
## BC-1335

## TRANSMITTER/RECEIVER



FM-27 to 38.9 Mc. Crystal-controlled Transmitter-Receiver for 2-way Radiophone up to 10 miles. Can be powered from either 6V or 12V DC. Size: 13"x13"x8". Complete with 18 tubes, LIKE NEW COND.....\$14.25

## AN/ART-13 TRANSMITTER



Makes a very satisfactory "Ham" Transmitter for 80, 40, 20 and 10 meters. With the Autotune feature, you can preset the frequency desired on any 10 pre-selected channels. Power output 100 watts on AM, CW or MCW. Frequency control: Master Osc. Ten preset channels from 2 to 18;1 Mc. One: 200 to 1500 Kc. Microphone: Carbon T-17 or Dyn amic. Circuit: Two 811 Mod. 813 Power Amplifier. Power input 24 V DC at 25 Amp. Size: 12" High, 16" Deep, 24" Wide. Wt 70 lbs. ART-13 Transmitter, LIKE NEW.....\$69.50  
24 Volt Dynamotor for above, exc. used.....\$11.50  
C-87 Pilot Control Box NEW.....\$ 6.95

ART-13 Audio Speech Amplifier contains two 6V6GT and one 12SJ7 tubes, can be used for carbon or dynamic mike. Size 7x4x3 1/4". Wt. 4 lbs. Used.....\$5.25

ART-13 CF I Calibration Frequency Indicator & MCW Oscillator Assembly. Used to provide a constant crystal controlled standard of 200 Kc in order that frequency can be checked; also 1000 cycle tone. Supplied with 200 Kc crystal and two tubes. Size: 6x5x3". Wt. 3 lbs. Used.....\$5.95

Mount, Connecting Plugs, Handbook of Operating Instructions, Antenna Loading Coils, Spare Parts and Additional Accessories AVAILABLE FROM STOCK?

L.F.O. Coils, Exc.Used:  
0-16, 200-1500 Kc.....\$7.95  
0-17, 200-600 Kc.....\$7.95  
Shunt Capacitor, NEW..\$2.50

## ARC-1 TRANSMITTER-RECEIVER



2-METER TRANSCEIVER RT-18/ARC-1

Covers 100 to 156 Mc AM or CW with 832A final and push-pull plate modulation. Receiver has separate guard channel which can be preset for a net or club rag-chew frequency.

50 auto-tuned preset crystal controlled channels can be replaced with VFO for 2 meters. Power requirement: 350 V DC at 350 Ma and 24 V DC at 3 Amps.

Size: 21" x 11" x 7 1/2" High. Shpg Weight 57 lbs. Supplied complete with 29 tubes, 50 crystals and dynamotor. Excellent Used.....\$79.50

## BC-223AX TRANSMITTER



25-Watt, CW, MCW, Voice, Crystal Control on 4 pre-selected channels in the frequency range of 2000 to 5200 Kc by use of three plug in tuning units (uses FT-171 Crystal) and variable oscillator.

BC-223AX Transmitter, Brand New in original case with three Tuning Units.....\$26.50  
As above, with two Tuning Units, Brand New.....\$22.50

Tubes used: 801 Oscillator, 801 Power Amplifier, two type 46 modulators and one type 46 audio amplifier. Voltages required: 12/24 V DC and 500 V DC at 150 to 200 Ma. 0-3 RF meter and 0-300 V DC Milliammeter 2 1/2".

Black wrinkle case, size: 18"x 13"x7". Weight 40 lbs.

PE-125AX Vibrator Power Supply for above, 12/24 VDC. New.....\$12.95  
PE-135AX Dynamotor Power Supply for above, New..\$14.95  
Connecting Cable with two plugs.....\$3.50  
FT-173 Mounts.....\$2.50  
CS-56 Case.....\$1.50

## APT-5 TRANSMITTER

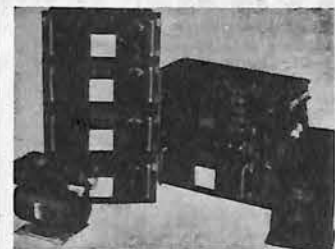


AN/APT-5 consists of a lighthouse tube 3C22 oscillator in a precision tunable cavity modulated by 2 type 829B tubes driven by a 931 noise generating photo cell. Output approx. 30 watts CW. Power requirements: 115 V 400 cyc. Frequency Range 300 to 1400 Mc.

Excellent Used condition.....\$79.50

PP-104/APT-5 Power Supply for above. Two power supplies in one case. Two each type 1616 tubes for high voltage and two each type 5R4GY tubes for low voltage. Brand New.....\$29.50

## BC-191/BC-375 TRANSMITTERS



Famous GE 150 Watt Transmitter originally cost US Govt \$1800.00

Just the thing for beginner or old timer; has five tubes, five tuning units. Transmitter is designed to operate from 200 Kc to 12 Mc (minus the Broadcast Band). Equipped with antenna tuning unit BC-306-A - variometer and tap switch. Dynamotor (PE-73-C) complete with relay. Will operate on 10 and 20 meter bands with slight modification.

BC-191 Transmitter (for 12 V DC). With Tubes, NEW.....\$49.50  
Excellent Used.....\$32.50  
BC-375 Transmitter (for 24 V DC). With Tubes, Excellent Used.....\$41.50

Components Available, prices on request:  
PE-73 24 VDC Dynamotor  
BD-77 14 VDC Dynamotor  
TU-5 Tuning Unit 1500-3000 Kc.  
TU-6 Tuning Unit 3000-4500 Kc.  
TU-7 Tuning Unit 4500-6200 Kc.  
TU-8 Tuning Unit 6200-7700 Kc.  
TU-9 Tuning Unit 7700-10000 Kc.  
TU-10 Tuning Unit 10 Mc 12.5 Mc.  
TU-26 Tuning Unit 200-500 Kc.  
BC-306 Antenna Tuning Unit Mount  
Connecting Plugs  
RA-34 AC Power Supply

## T-28/APT TRANSMITTER



Radar-Jamming Transmitter covering the frequency of 140 to 210 Mc. Uses Tubes: 931 (Noise Tube) 2/832, 2/6C4 2/5R4, 3/6AC7, &

1/6V6, 1/6X5. Complete with tubes, 2/24 Volt Blowers, Power Supply 115 volt 400 to 2600 cycle. Osc., Amp., Plate, Grid Plate & Mixer Plate control on front panel. Size: 7 1/2 x 10 x 20". Wt 40 lbs. NEW.....\$32.50

## BC-357 RECEIVER



Beacon Receiver, 62-80 Mc for 75 Mc marker beacon signals. Power req.: 24 VDC .158 Amps and 220 VDC at 4.5 Ma. Built-in 11,000 ohm plate relay, makes fine capacity relay or remote receiver for garage door opener, etc. Exa. Used, Clean.....\$3.95

Please include 25% Deposit with order—Balance C.O.D. or Remittance in Full. 50¢ Handling Charge on all orders under \$5.00. All shipments F.O.B. Our Warehouse, N.Y.C. All Merchandise subject to Prior Sale and Price Change.

## AM & FM RADIO RECEIVER AN/APR-4Y



A 115 VOLT 60 CYCLE RECEIVER FOR FREQUENCIES FROM 38 TO 4000 MEGACYCLES!

LIKE NEW, CHECKED OUT.....\$88.50

This is the only receiver we know of with such a tremendous frequency range! Ideal for amateurs, schools, experimental laboratories. Originally designed for AM reception, this receiver can easily be modified for FM.

The equipment comprises one main unit, the receiver proper, and five tuning units. The receiver consists of Amplifier AM-27/APR-4 which is the IF, Detector and video channels, together with a complete self-contained power supply operating from 80 to 115 V AC at any frequency from 60 to 2600 cps. The power supply also furnishes power requirements of the tuning units.

The receiver measures 21x10 1/2 x 7 3/4" high, weight 31 1/2 lbs. Tuning units measure 15x9x6 1/2" wide and weigh about 19 1/2 lbs each.

In operating one of the tuning units is removed from its shock-mounted case and plugged into the receiver. Tuning units may be used separately as converters for use with any stan-

dard receiver having 30 Mc IF; or may be used as RF unit around which a receiver may be built.

**RECEIVER CHARACTERISTICS:**  
Freq. Range: 38-4000 Mc.  
Calib. Accuracy: 1% approx.  
Video Output: 1.5 V at 70 ohms.  
Audio Output: 100 Mw into 600 ohms.  
Sensitivity: 35 to 50 Mv average.  
Selectivity: 4 Mc wide position and 600 Kc Narrow position.

APR-4 AM Receiver LIKE NEW, Checked Out.. \$88.50

### TUNING UNITS:

TN-1 or TN-16 38-95 Mc \$35.00  
TN-2 or TN-17 74-320 Mc 59.50  
TN-3 or TN-18 300-1000 Mc 39.50  
TN-19 975 to 2200 Mc..... 59.50  
TN-54 2200 to 4000 Mc..... 119.00

Note: Tuning Units TN-1, 2 and 3 are interchangeable with Tuning Units TN-16, 17 and 18 respectively. We will ship units in stock at time order is received.

## AN/APR-1 BROADBAND RECEIVER

40 to 1000 Megacycles  
Like New, Checked Out.....\$88.50



This is airborne receiving equipment, designed on a unit construction basis allowing IF units power supply and tuning units to be freely interchanged to give the receiver the facility of receiving all types of pulse and other signals, designed principally for radar search.

Frequency range 40 to 1000 Mc is covered by three interchangeable plug-in type tuning units. Information is presented by either aural means, thru headset, or by visual means thru cathode ray indicator.

### PLUG-IN TUNING UNITS FOR AN/APR-1:

TN-1 38 to 95 Mc..... \$35.00  
TN-2 74 to 320 Mc..... 59.50  
TN-3 300 to 1000 Mc..... 39.50

## TUNING UNITS FOR APR-4, APR-1, RDO

These tuning units are designed for use in the APR-4, APR-1 and RDO Receivers shown on this page. The tuning units are directly calibrated in frequency. Note that tuning units TN-1, 2 and 3 are interchangeable with tuning units TN-16, 17 and 18 respectively. We will ship units in stock at time order is received. All Tuning Units are checked out in working order.

TN-1 38-95 Mc. Like New..... \$35.00	TN-17 74-320 Mc. BRAND NEW..... \$59.50
TN-2 74-320 Mc. Like New..... \$59.50	TN-18 300-1000 Mc. Like New..... \$39.50
TN-3 300-1000 Mc. Like New..... \$39.50	TN-19 975-2200 Mc. Like New..... \$59.50
TN-16 38-95 Mc. Like New..... \$35.00	TN-54 2200-4000 Mc. Like New..... \$119.00

## AN/ARC-3 RECEIVER & TRANSMITTER

100 to 156 Megacycles.  
Airborne receiving and transmitting equipment designed to provide communications from plane to plane or from plane to ground. Remote operation on eight frequency channels. EASILY ADAPTED FOR HAM 2-METER BAND!



### THE RECEIVER

8-channel crystal control, electric band change with tubes 9001, 9002, 12A6, 12H6, 12SH7, 12SL7, 2/12SN7, 3/12SG7 & 6/6AK5. Voltage required 24 VDC and 210 VDC 125 Ma. Size 11x7x15". Weight 21 lbs.  
ARC-3 RECEIVER  
Exc. Used with tubes..... \$21.50

JUNCTION BOX for ARC-3 set, used to mount dynamotors DY-22 for receiver and DY-21 for trans. Also has connector plugs to hook up receiver, transmitter, control box and power, relays. Size: 10 1/2 x 3 1/2 x 8 1/2". Wt 7 lb. Excellent  
Used..... \$5.95

### THE TRANSMITTER

8 channel crystal control electric band change with tubes: 2/832, 2/6L6, 1/6J5, 3/6V6 & 1/12SH7. Voltage required 24 VDC and 410 VDC 325 Ma. Size: 15 1/2 x 12 1/2 x 7 1/2". Weight 21 lbs. Transmitter power output 8 watts AM.  
ARC-3 TRANSMITTER..... \$21.50  
Exc. Used with tubes.....

PUSHBUTTON CONTROL BOX for receiver and transmitter. Has eight pushbuttons for channel selection and one for off. Size: 6x3x7". Weight 2 lbs. Excellent  
Used..... \$2.95

## RADIO RECEIVER NAVY TYPE RAY-3

Navy Model RAY-3 is a high frequency amplitude modulated radio receiver, not for voice communication. It consists of a crystal-controlled superhet receiver with dynamotor power supply in one cabinet. The receiver is designed to operate on any one pre-determined frequency in the range for which made. The audio system is designed for modulation frequencies from 20,000 to 120,000 cps. Tubes: 1/6AC7, 1/6A8, 1/6SJ7, 1/12SR7. Size: 10"x8 1/2"x12 1/2" deep. Weight 18 lbs. Weston output meter on front panel, also coaxial antenna and output connection, phono jack, on-off switch.



Model PR6N - 14 VDC.  
Like New, With tubes, dyn..... \$12.50

Model PR7-NA - 28 VDC  
Like New, With tubes, dyn. .... \$11.25

Circuit Diagram Included.

## SCR 274-N ARC-5 COMMAND RECEIVERS & TRANSMITTERS

The COMMAND SET Series of Receivers and transmitters are the most popular surplus items on the market today! This series consists of several units covering the frequency range of 190 Kc to 9.1 Mc for the Receivers and 2.1 Kc to 9.1 Mc for the Transmitters.

### RECEIVERS



The Receivers are 6-tube superhets using: 1/12A6, 1/12K8Y, 3/12SK7 and 1/12SR7. Designed to operate from 24 VDC Dynamotor which mounts on the rear of the set, supplying 250 VDC 60 Ma. Size of set: 5x5x11". Wt 6 lbs.

Exc. Used NEW  
BC-453 190-550 Kc \$18.95 \$23.50  
BC-454 3-6 Mc \$16.50 \$21.50  
BC-455 6-9.1 Mc \$14.95 \$17.50  
BC-946 550-1500 Kc \$ - \$48.50

ARC-5 Receivers  
R-25 1.5-3 Mc \$ - \$21.50  
R-26 3-6 Mc \$16.50  
R-27 6-9.1 Mc \$14.95  
R-23 190-550 Kc \$18.95

### COMMAND SET COMPONENTS AND ACCESSORIES

BC-946 Double Receiver Control Box, NEW..... \$1.49  
BC-450 Triple Receiver Control Box, NEW..... \$1.49  
BC-451 Transmitter Control Box, NEW..... \$1.15

Double Receiver Rack... \$2.95  
Single Transmitter Rack... \$2.25  
Double Transmitter Rack... \$2.45  
4-Place Xmitter Rack... \$3.49

DM-33 28 VDC Dynamotor for Modulator ..... P. U. R  
DM-32 28 VDC Dynamotor for Receiver, NEW..... \$3.95  
DM-32AZ 12 VDC Dynamotor for Receiver, NEW..... \$4.45

110 Volt AC Power Supply for all 274-N and ARC-5 Receivers, factory wired..... \$12.50  
110 Volt AC Power Supply for Command Transmitters, wired..... \$25.50

### COIL SETS USED IN COMMAND RECEIVERS

3-6 Mc. Each \$1.50  
6-9.1 Mc

85 Kc IF Transformers  
Also 2830 Kc, 239 Kc, 1415 Kc, 15 Mc..... Each \$1.50

### TRANSMITTERS



The transmitters work well on CW and on phone at inputs of about 50 to 60 watts with any modulator capable of delivering 25 watts of audio power. Dynamotor used with the equipment is DM-33 24 V DC input with output of 575 VDC at 175 Ma. It mounts on the BC-456 Modulator, Transmitter tubes are 2/1625, 1/1626, and 1/1629 magic eye tube for crystal calibration. Size: 5x7x12". Wt 9 lbs.

Exc. Used NEW  
BC-457 4r-5.3 Mc \$ 6.95 \$11.95  
BC-458 5.3-7 Mc \$ 6.95 \$12.95  
BC-459 7-9.1 Mc \$14.95 \$17.95  
ARC-5 Transmitters  
T-18 2.1-3 Mc - \$10.95  
T-19 3-4 Mc \$10.50 \$14.95  
T-20 4-5.3 Mc. \$ 6.95 \$11.95  
T-22 7-9.1 Mc. \$14.95 \$17.95



BC-456 MODULATOR  
For voice operation of Command Transmitters. Complete with Dynamotor Mounting. Tubes: 1/1625, 1/12J5, VR-150. Size: 7x8x10". Weight 10 lbs. Excellent  
Used..... \$2.75  
Brand New..... \$4.95



BC-442A SWITCHING RELAY, Antenna Current Indicator with 19.5 millivolt movement, current transformer and thermocouple, 50 mmfd vacuum condenser, fixed, 5000 V rating. CAN BE USED WITH ANY RIG..... \$3.25  
Flexible mechanical tuning cable for receiver & control box \$2.49  
Connecting Plugs Available P. U. R  
Tuning Knob for Receiver... 49¢

## R-4/ARR-2 RECEIVER



Tunable, 234 to 258 Megacycles. \$11.95  
NEW.....  
Excellent Used..... \$ 7.95

11-tube aircraft unit for reception of double amplitude modulated carrier. Operates from 24 VDC & 250 VDC 60 Ma. Tubes: 3/6AK5, 7/9001 & 1/12A6. Size: 5x5x11". Weight 6 lbs. Mounting is same as Command Sets. Complete with all tubes. Circuit diagram included. Dynamotor for ARR-2..... \$2.45

## T-39/APQ-9 RADAR JAMMER



Consists of an RF Oscillator delivering 10 to 20 watts of RF power at any frequency between 500 and 585 megacycles, a noise source, a video amplifier and video driver stage. Tubes: 1/931A Multiplier photo tube; 2/6AC7, 1/6AG7, 2/8012, 1/1N21B, 2/807. Operates from 80 or 115 volts, 400 to 2600 cycles AC.  
Used..... \$39.50



## R-28/ARC-5 VHF RECEIVER

Tunes 100 to 156 Mc AM. Easy to Convert for 2-Meter Operation! Ideal for installation in vehicles. Excellent Used  
With Tubes..... \$24.50

The AN/ARC-5 VHF Radio Set consists of the following major units: Receiver, Transmitter, Modulator and Control Boxes. Covers frequency range of 100 to 156 Mc in four preset Crystal controlled frequencies. Intended for 24 VDC operation but can be modified for 12 VDC.



## T-23/ARC-5 TRANSMITTER

Companion to the R-28, this VHF Transmitter tunes 100 to 156 Mc, has turret switching coils for all stages. Uses 1625 Osc., 1625 Tripler, 832A Tripler, 832A final. 4 channels are provided, using 4 separate coils in automatic turret manually operated or with 12V or 24V motor. Coils can be easily re-wound for 6 and 10 meters! Shpg wt 18 lbs. Complete with tubes and crystals.  
NEW..... \$23.50  
Used, less tubes, xtals.... \$ 5.95

Transmitter

## MODULATOR MD-7/ARC-5

For the ARC-5 transmitter series. With tubes, 1625 for push-pull operation, plugs and outputs for both plate and screen modulation. Less Dyn. Shpg Wt 13 lbs. Exc. Used with Tubes..... \$12.50  
Set of Plugs for MD-7..... \$8.50

## ARC "Q-5er" MODEL R-11A



Long Wave Receiver, tunes 190 to 550 Kc. Operates on 28 V DC. Late commercial type model, Excellent Condition..... \$19.95

## BROADCAST RECEIVER

### R-22

This ARC model Broadcast Receiver tunes 550 to 1500 Kc. It operates on 28 V DC. Complete with tubes, Like New..... \$32.50  
Control Box for Remote Tuning, \$4.95  
Flexible Mechanical Tuning Cable..... \$2.49

## ARC Model R-19 VHF RECEIVER

Tunable VHF Receiver, tunes 118 to 148 Mc in one band. Complete with tubes, Excellent Used..... \$49.95  
This is a 9-tube superheterodyne with 3 tuned circuits of RF, 8 tuned circuits of IF at 15 Mc. Plus noise limiter, AVC & s2 AF stages. Operates from 24 VDC but can be modified for 12 VDC. Designed for remote control operation.

## BC-749-A RADAR RECEIVER



This is a UHF Receiver in the 2-meter range. Excellent Used, With Tubes..... \$8.50

## R-162 (SRR-1) RECEIVER



This is a unit of Navy Radio Set AN/SRR-1. It operates on 110 V 60 cycles AC. Tubes: 14/6AK5, 1/6AL5, 1/6AG7, 3/6V6G, 1/5U4G, 1/6SJ7, 1/VR-75. Front panel contains DeJur 3 1/2" 10 Ma Meter. Shock mounts included. Size: 10 3/4" x 18 1/2" x 13". Complete, NEW..... \$29.50

## R-56 RECEIVER CODER UNIT



Made by Galvin Mfg Corp., this unit is designed to operate from 115 Volts 60 cycles AC. Tubes included: 6/6SL7, 8/6AC7, 4/6SN7, 5R4, 6AG7, 6SJ7, 2/6B4, VR-105. Overall size: 10" x 22" x 17" deep. LIKE NEW..... \$42.50



## RDO RADIO RECEIVER

An Improved Microwave Receiver Covering 38 to 4000 Megacycles. LIKE NEW, CHECKED OUT..... \$119.00

The RDO was designed and built for use as a Microwave Search Receiver aboard Navy vessels. This set is very similar to the AN/APR-4. The RDO has complete metering of both RF and Audio circuits. The RDO utilizes the same plug-in RF Tuning Units as the AN/APR-1. This receiver is ideally suited for monitoring and measuring signals in the 38-4000 Mc range. It is designed for operation on 115 volts 60 cycles AC.

**TECHNICAL CHARACTERISTICS:**  
Freq. Range: 38-4000 Mc covered by 4 plug-in units.  
Calibrated Accuracy: 1% approx.  
Video Response: 60 cps to 2 Mc.  
Audio Output: 45 mw into 600 ohms.  
IF Freq.: 30 Mcs.  
IF Sensitivity: 4 Mcs wide position, 600 Kc Narrow position.  
Power input: 115 V A C 60 cps.  
Dimensions: 11x25x18" Deep.  
Weight: 100 lbs.



## R-105/ARR-15 COLLINS 51H-3 RADIO RECEIVER SET

EXCELLENT USED..... \$88.50

**TECHNICAL CHARACTERISTICS:**  
Freq. Range: 1.5 to 18 Mc tunable in six bands.  
Modes: AM and CW  
Power Input: 24 VDC at 2 Amps.  
Circuit: 14-tube.  
Dimensions: 23x10x10".

## ASB-5 RECEIVER FOR 420 Mc. BAND

This handsome unit is supplied complete with ten tubes and shock mount. Tubes used are: 5/6AC7, 1/6H6, 1/6AG7, 1/6V6, 2/955. Overall size: 7" x 5 1/2" x 15" long.  
BRAND NEW..... \$12.75  
Tuning Knob for ASB-5 Receiver..... 1.35



## RADIO SET SCR-583 TRANSMITTER and RECEIVER

TRANSMITTER & RECEIVER  
Frequency Range: 2.2 to 4.6 Mc.

Complete with all components and Accessories, NEW..... **\$575.00**

RELIABLE VOICE & CW OPERATION  
IN TWO-WAY FIELD COMMUNICATIONS!

This equipment is designed to provide communication between motor vehicles and armored cars. CW and Voice signals are employed, with Amplitude Modulation. Provides reliable communication for distances up to 65 miles on CW and 35 miles on Voice. Suppressor Grid modulation is used.

The TRANSMITTER is a Master Oscillator-Power Amplifier type (MOPA), using 14 tubes: 7 each for voice and CW. Power output is about 8 watts on phone, 20 Watts CW. Calibration is provided by 200 Kc fixed crystal oscillator.

The RECEIVER is a 9-tube Superheterodyne with a 455 Kc IF. Zero-beating Transmitter to Receiver is possible. Modulator acts as audio oscillator to produce sidetone on CW. POWER SUPPLY: 1.5 V supplied by dry cell battery, or storage battery, or hand generator, 6.3 Volt supplied by storage battery, hand generator or auxiliary power supply. 90 V Plate Voltage, supplied by dry cell battery or hand generator or vibrator. Ginal transmitter RF power amplifier: 500 V supplied by dynamotor, hand generator or auxiliary power supply. Grid bias for transmitter: -20 volts.

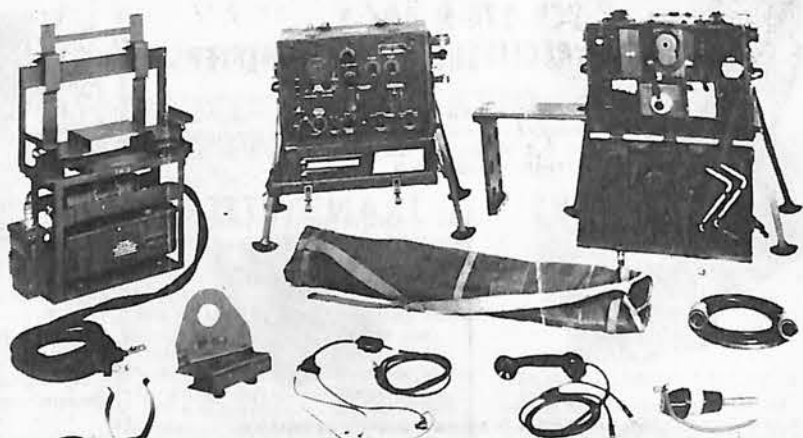


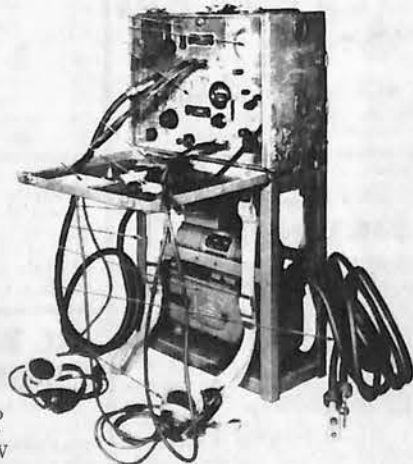
TABLE OF MAJOR COMPONENTS	Weight	Size
Receiver and Transmitter BC-1209 in chest	68 lbs.	20x14x8 1/2"
Auxiliary Chest CH-75.....	75 lbs.	20x14x8 1/2"
Roll Bag BG-58.....	23 1/2 lbs.	50x21"
Power Unit PE-152 and Power Unit PE-154 mounted in Frame FM-74.....	80 lbs.	21 1/2 x 15 x 7 3/4"
Frame FM-73 for mounting receiver and transmitter BC-1209 Chest.....	25 1/2 lbs.	20 3/4 x 17 3/4 x 8 1/2"
Mast Bracket MP-45 for vehicular mount'g	13 1/2 lbs.	7 x 5 1/2 x 9"
Mast Base MP-37.....	12 lbs.	12 x 7 1/2"

## SCR-284 (BC-654A) TRANSMITTER-RECEIVER

Frequency Range  
3800 to 5800 Kc.

Complete with  
All Accessories

NEW  
**\$475.00**



This equipment is designed to operate either in a vehicle or on the ground. It provides CW or Voice transmission, Amplitude Modulated, 17 watts. It has a 455 Kc IF, and uses a dynamotor PE-103A and vibrator supply for 6 or 12 V DC.

THE RECEIVER: Continuous frequency range 3800 to 5800 Kc in one band. Beat Frequency oscillator on fixed frequency of 455 Kc. Output: 100 mw into two 8000 ohm headsets in parallel. Tubes: 3/VT-146, 1/VT-147, 1/VT-223, 2/VT-221.

THE TRANSMITTER: Continuous frequency range 3800 to 5800 Kc in one band. Calibration frequencies every 200 Kc throughout the band. Power output 20 watts into specified vehicle antenna. Tubes: 4/VT-221, 1/VT-225.

When this equipment is carried in the field away from a vehicle the components are grouped for a three-man load:  
Load #1: Radio Receiver & Transmitter BC-654A including Key J-48-A. Size 18x14x9 3/4". Weight 44 1/2 lbs.  
Load #2: Generator GN-45, Cranks, Legs, Mast Sections, Insulator, wire, Bag Size: 9x6 1/2 x 6 3/4". Weight 22 1/2 lbs.  
Load #3 Headsets, Counterpoises, microphone, guys, stakes, wrenches, screwdriver, accessories. Weight 25 lbs.

## R-64/ARW-17 RADIO RECEIVER

Frequency Modulated, 30 to 42 Megacycles  
Operates from 24-28 V DC power source.

New, complete with  
Tubes & Dynamotor..... **\$16.50**

Small size, light weight radio receiver designed to receive radio control channels carrying five FM control channels. Audio signals actuate corresponding control relays. Control action can be

obtained on each control channel singly or on as many as three channels simultaneously. Tubes: 5/6AK5, 1/6AS6, 1/6AL5, 3/6J6. Size: 9 1/2 x 4 1/2 x 9" high, approx. Weight 19 lbs.

## RT-7/APS-2 RECEIVER-INDICATOR

This equipment uses following tubes: 1/5FP7, & 1/3AP1 Cathode Ray Tubes; 8/6L6, 13/6SN7, 8/6AC7, 2/6H6, 1/2X2, 2/6X5, 3/5U4G and 3/VR-105. Operates from 115 volt 400 cycle. Includes three 2 1/2" square meters, milliammeters and all controls on front panel. Also requires 24 V DC for blower. Size 20x24x14". Wt 90 lbs.

Exc. Used.  
With Tubes  
**\$29.95**

## RT-45/ARQ-1 TRANSMITTER-RECEIVER

Complete with  
All Tubes,  
Excellent Used  
**\$49.50**

This is a transmitting and receiving unit used for radar and radio jamming in the frequency range from 14 to 50 Mc., tunable. Power input requirements are 80 or 115 volts, 400 to 2600 cycles AC. Tubes used are: 1/JAN-931A, 3/JAN-6SG7, 1/JAN-6AG7, 1/JAN-6SJ7, 1/JAN-807, 1/JAN-96J5, 1/JAN-2X2, 1/JAN-5R4GY, 1/JAN-5Y3GT/G.

## CP-103/APA-44A RANGE COMPUTER

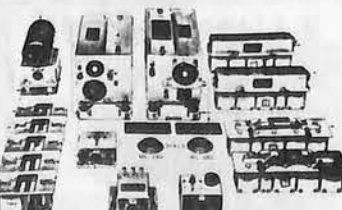
COMPLETE, LIKE NEW... **\$8.95**

This beautiful piece of equipment is part of an aircraft computer landing system. It has a fine gear train and dial assembly, 2 motors, 2 auto-syns, 2 micropots, slip rings, relays, rectifier, precision resistors, 12 "grain of wheat" lights, 4 fold back spin type knobs, about 25 switches of all types. Will make a fine cabinet for a transmitter or receiver. Size 72x12 1/2 x 8". Wt 22 lbs.

## SCR-283 TRANSMITTER & RECEIVER

Frequency Range:  
201 to 398 Kc and 2500 to 7850 Kc  
Complete,  
NEW..... **\$39.50**

Designed for aircraft having 24-28, 5 V DC power supply systems. The receiver may be used to receive modulated or damped-wave signals. The transmitter provides unmodulated, tone-modulated or voice modulated signals. Included are: Receiver, Transmitter, Dynamotor unit, xmtg and rcvg Radio Control Boxes, Antenna Switching



Relay and Xmtg Coil Sets. (Some Rcvg Coil units available, P.U.R.)  
Total weight approx. 50 lbs.

## T-41/APS-18 TRANSMITTER

Designed for 115 Volts 800 to 1400 cps. Tubes included are 2/15E and 1/15R. Complete with shock mounts and blower motor. Overall size: 7" x 8" x 18".  
BRAND NEW..... **\$12.95**



ANTENNA UNIT

## ARB RADIO RECEIVER

Excellent Used, with  
Tubes & Dynamotor... **\$39.50**

190 to 9050 Kc. Aircraft, Weather, Broadcast, Marine, Mobile, Foreign, Amateur: 40, 75, 80 & 160 Meters. Operates on 24 V DC.

Navy Model ARB is a general purpose 4-band 6-tube communications receiver. Has provision for either local or remote control or both. Suitable for Boat, Car or Home. Illuminated dial, sharp & broad tuning, AVC, CW. Tubes: 1/12SA7, 1/12A6, 4/12SF7. Size: 8x7x16". Weight 26 lbs.

AC Power Supply for ARB,  
Wired..... \$8.95  
Pilot Control Box, New \$3.95  
Remote Tuning Control  
Box, New..... \$2.95  
Mount for Receiver..... \$1.95  
Connecting Plugs..... P.U.R.  
Tuning Knob..... \$1.35  
Flexible Mechanical  
Tuning Cable..... \$3.49

## CRV 52233 TRANSMITTER FOR ARB



CRV 52233 AT TRANSMITTER FOR ARB  
NEW  
With Tubes..... **\$29.50**  
Tuning Units..... \$7.95  
NEW, Each... \$7.95  
Dynamotor Supply  
New(CRV 21724)... \$8.95  
This unit covers 3000 to 9050 Kc. CW or phone. Designed for dynamotor operation. Power requirements: 380 V & 1000 V DC. Separate Ant. tuning units cover 540-1500 Kc; 1500-3000 Kc; 3000-9050 Kc. Size: 7-3/16" x 10-3/8" x 15 1/2". Weight 35 lbs. Tubes used: 2/815, 2/6SN7, 1/1625, 1/VR-150.

## TG-30 REPEATER

NEW  
**\$36.50**



This is a DC Telegraph Terminal Repeater for transmitting to and receiving from another TG-30 or equivalent at a distant terminal on a half duplex basis. Includes: a VARIABLE 100-135 V. DC 400 Ma power supply, Audio Osc., 4 polarized relays, many precision parts! All in sturdy trunk 24 1/2 x 14 1/2 x 12". Shpg wt 130 lbs. LIMITED QUANTITY

## EE-99 TELEPHONE REPEATER



Voice frequency amplifier, four-wire thru or two-wire terminating for field use. Adjustable gain and equalization. Dual 2-stage amplifier with negative feedback. Frequency range 300-3500 cycles. Uses 2/1N5 & 2/3Q5 tubes. Will operate from dry battery or PE-204 12 V vibrator pack. Size: 11 1/2 x 14 1/2 x 8" Weight 25 lbs.  
NEW..... **\$8.95**

## DUAL SCOPE INDICATOR

LIKE NEW..... **\$6.50**



BC-1151 Radar Indicator, using 2 each 5FP7 Cathode Ray tubes and 6H6. Each tube has separate horizontal, vertical, focus, intensity controls, etc. Size 7x11 1/2 x 14 1/2". Deflection Coil Demilitarized. No Power Supply.

## ID-93/APG-13

## INDICATOR SCOPE UNIT

This indicator is used to give the necessary information. Operating voltage is taken from the PO-43A power inverter. All controls are mounted on front panel. Uses a 3BP1 Cathode Ray Tube, and 5/6SN7, 2/6H6, 1/2X2, 1/5Y3. Controls: Horizontal, Vertical, Zero, Slope, Intensity, Focus, Marker Amplifier, Yards Range, Receiver Gain. For operation on 28 V DC, 115 V AC 380-1600 cps. Complete,  
NEW..... **\$16.50**

## INDICATOR I-102-A

Displays the altitude of the aircraft in feet. It is designed for mounting on the instrument panel of the aircraft or equivalent location. The indicator is an electrostatic focus & deflection type cathode ray tube. Tubes used: 1/VT-112(6AC7), 1/1808 PL.  
NEW..... **\$3.25**

## BC-348 RADIO RECEIVER

200-500 Kc & 1.5 - 18 Mc.  
8-Tube 6-Band Communications Receiver:  
Excellent Used, with tubes  
and Dynamotor, Checked out... **\$82.50**  
Exc. Used, with tubes and  
AC Power Supply, Checked Out **\$95**



This is a locally controlled superhet receiver, designed to operate from 28 V DC source. Features: 2 RF Amplifiers, 3 IF Amplifiers, Crystal filter, AVC & MVC Control and BFO control. Size: 10"x18"x10". Wt. 38 lbs.  
Mount for above..... \$3.95  
Connecting Plug for above.. \$2.25

BC-312 Receiver similar to BC-348 but tunes 1.5 to 18 Mc in 6 bands. Power input 12 V DC. Excellent used, with tubes & dynamotor, checked out..... \$89.50  
BC-314 Receiver similar to BC-348 but tunes 150 to 1500 Kc in 4 bands. Power input 12 V DC. Excellent used, with tubes & Dynamotor, checked out \$82.50

## BC-929 US GOVT SCOPE INDICATOR

LIKE With all Tubes  
NEW..... **\$16.95**

BC-929 is a compact radar display unit with 3BP1, 2-6SN7GT, 6C8G, 6X5GT, 2X2, 2-6H6GT; high voltage divider from -1600 V; intensity, focus and positioning controls, plus DPDT motor-driven switch. BC-929 is a favorite with TTY fans as foundation for a converter with cross-line scope presentation. Also a Hams' favorite Modulation-Monitor foundation. Small size: only 8 1/2 x 9 x 16", weighs only 22 1/2 lbs.



## APA-11 TEST SCOPE

Excellent  
Used  
**\$29.50**



Test Scope, Synchroscope, pulse analyzer ID-59/APA-11. Video amplifier is flat to 4 Mc. 3BP1 presentation. Test scope sawtooth 25-20,000 cycles. Has all normal test-scope controls. As synchroscope and pulse analyzer accepts positive or negative pulses. Video delay circuit permits leading edge of pulse to be seen. Calibrated dial horizontal shift measures pulse durations from 0.5 to 100 microseconds. Sine-wave oscillator calibrator measures recurrence rates from 200 to 6000 pps accurate within 0.4%. Built-in power supply requires 115 V 400 cycles, 196 watts. Shpg wt 60 lbs. Complete with all tubes.  
Excellent Used..... **\$29.50**

## APA-17 SCOPE

Excellent  
Used  
**\$16.95**



ID-80A/APA-17 Radar Indicator 5". Amplifies and gives visual indication of the relative bearing of radio & radar signals in the frequency range of 250 to 1000 Mc. when used in conjunction with a receiver covering the same range. May be adapted for use on other freq. or converted for use as a test scope. Has all controls on front panel, also has sel syn motor attached to variable condenser that is used for scanning in synchronism with antenna motor. Complete with 1/5JP2 5" Cathode Ray Tube, 1/6SH7, 2/6AC7, 1/6SJ7, 2/6H6, 1/6V6, & 2/2X2. Has power supply for CR tube only that operates from 115 volt 400 cycle.

## ID-169/APN-12

RADAR RANGE  
INDICATOR  
OSCILLOSCOPE  
NEW..... **\$16.95**



Used with various type sets for indication of incoming signal in order that the range may be determined. Has vertical, horizontal, focus, sweep & intensity controls. Coaxial antenna change-over motor, also tubes: 3BP1, 2/6H6, 2/6SN7, 1/6G6, 1/6X5, & 1/2X2. Operates from 115 Volt 400 cycle & 24 V DC. Size 10x8x22". Weight 40 lbs.

## T-50/CPN-8 MODULATOR & TRANSMITTER UNIT



Operates on 115 V 60 cycles AC. Meters on panel: 0-50 DC Ma, 0-150 AC Volts. Tubes: 1/2J38, 1/715B, 2/807, 1/VR-105, 3/3B24, 1/5R4GY. Cramer time delay relays (3 meters): 2-sec., 20-sec., 2 minutes. Motor 115 V 60 cy. 1/40 Hp. 3 amp. 3400 rpm., 1 ph. Overall size 11x22x17. Made by Galvin Mfg Corp.  
LIKE NEW..... **\$32.50**

# FINE LORAN EQUIPMENT at TREMENDOUS SAVINGS!

For accuracy, for dependability, for all-around performance, you can't beat these superb navigational units! Now available as surplus Government Military Gear; originally made for U.S. Govt. by RCA, Philco, etc., at an acquisition cost of more than \$1500. Now you can buy them at a tiny fraction of their cost—while our stocks last!

## AN/ARN-7 RECEIVER



Like New With Tubes \$17.50

Designed primarily to be used as an aircraft navigational instrument. Basically equipment is a radio receiver using a superheterodyne circuit and certain additional circuits necessary for radio compass operation. Frequency range of 100 Kc to 1750 Kc covered in four bands. Consists of Radio Compass Unit, Relay, Indicators, Control Boxes, Loop, Cords and Plugs. Ideal for conversion to home broadcast receiver addition to ham shack, etc. Operates from 115 volt 400 cycle and 24V DC. Complete with tubes: 4/6K7, 1/6L7, 1/6J5, 2/6B8, 2/6F6, 1/6N7, 1/5Z4, 1/6SC7, and 2/2051. Size 12x8x19". Weight 45 lbs. LIKE NEW, with tubes \$17.50 C-4/ARN-7 Control Box for above, excellent used,..... \$3.95 ACCESSORIES FOR ABOVE I-81 3" Azimuth Indicator BK-22 Relay & Junction Box FT-213 Receiver Mtg base. LP-21-LM Loop Antenna AVAILABLE FROM STOCK

## NAVIGATION COMPASSES—INSTRUMENTS



GYRO FLUX GATE COMPASS TRANSMITTER

AN5751-1. Contains gyroscopically stabilized flux gate, which is sensitive to earth's magnetic field. Transmits signal by autodyn motor to remotely located master indicator. Dia. 8 1/2", Depth 9". Wt 7 1/2 lb.



GYRO FLUX GATE COMPASS MASTER INDICATOR

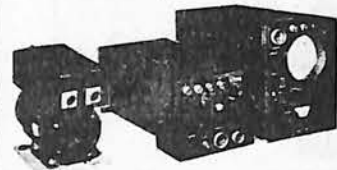
AN5752-1. Indicates compass direction received from transmitter, re-transmits indication to repeater indicators throughout aircraft. Dial size 4". Depth 7". Wt. 6 1/2 oz. Luminescent dial face.



GYRO FLUX GATE COMPASS AMPLIFIER

AN5753-1. Components part of gyro flux gate compass, amplifies signal transmitted from master indicator to repeater indicators. Size 11x9 1/2 x 7". Weight 12 1/2 lbs. SET OF THREE UNITS DESCRIBED ABOVE..... \$88.50

## LORAN APN-4 RECEIVER



RECEIVER & INDICATOR Excellent Used..... \$88.50 The components of this receiver are the finest money can buy! Makes excellent fixed tuner for medium freq. police calls or public address syst.

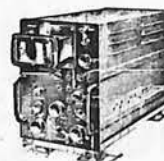
APN-4 is a four-channel long range navigation receiver and indicator (dual units) which will provide, for ships and aircraft, an exact position by the reception of known loran transmitters. Compact two-piece set with separate receiver and indicator. Indicator has large 5-inch Cathode Ray Tube. Very popular on fishing boats and commercial vessels. Operates from external 12V or 24V DC power supply. Has 43 tubes including CR tube. Has four screw-driver tuned RF channels selected by switch - IF frequency 1050 Kc. IF band width 45 to 60 Kc. RF frequencies 1600 Kc to 2000 Kc. Tubes: 2/2Y2, 1/5U4 3/6B4, 1/6SU7, 1/6SA7, 4/6SK7,

1/6SN7, 1/6SL7, 1/6H6, 1/VR150, R-9B & ID-6B/APN-4 Loran Receiver & Indicator, exc. used \$88.50 R-9A & ID-6A/APN-4 Loran Receiver & Indicator, reconditioned, Like New..... \$79.50 R-9/APN-4 Receiver Only, Used, less tubes..... \$3.95

ACCESSORIES FOR ABOVE PE-206 Inverter MG-149H Inverter 12V or 24V Transistorized Power Supply Two Shock Mounts Set of 11 connecting plugs All Replacement Parts AVAILABLE FROM STOCK Prices Upon Request

## LORAN APN-9

RECEIVER & INDICATOR Like New, Complete..... \$88.50 Less Tubes, Crystal, Lens, Exc. Used \$39.50



APN-9 is a four-channel loran receiver and indicator (one unit) designed to provide ships and aircraft an exact position by reception of known loran transmitters.

Consists of a receiver, operating in the marine band, and indicator using a 3" cathode ray tube for presentation of the received signals. Operates from 24 V DC and 115 V 400 to 800 cycles. Ideal where space is at a premium. Size: 9 1/2 x 12 1/2 x 30 1/2". Weight 36 lbs. This system is accurate to within 1% of the distance of the ground loran transmitter.

ACCESSORIES FOR APN-9 PE-206 28V DC Inverter MG-149H Inverter Shock Mount Set of 2 Plugs 12V or 24V Transistorized Power Supply Rubber Visor Antenna Coupler AVAILABLE FROM STOCK Prices Upon Request

WE CARRY A COMPLETE LINE OF REPLACEMENT PARTS FOR APN-4 AND APN-9 LORAN SETS

## MN-26C RECEIVER



Excellent Used With Tubes & Dynamotor \$17.95

Remote control commercial type navigational receiver.

Designed for Marine & Aircraft installation. Also fine for home use. Covers 150 to 1500 Kc in 3 bands. Continuous tuning from MN-28C Control box. Complete with 24 volt DC Dynamotor, tubes: 5/6K7, 2/6N7, 1/6B8, 1/6F6, 1/6L7, 2/6J5, and control box. MN-26C Exc. Used..... \$17.95 MN-26Y Radio Receiver, 150-325 Kc; 325-695 Kc; 3-4.7 Mc. Complete with tubes and dynamotor, NEW..... \$15.25

MN-26 LB Compass & Communication Receiver, 200-410 Kc; 550-1200 Kc; 2.9-6.0 Mc. Works on 24 VDC. Complete with tubes and dynamotor. Excellent Used..... \$24.50

ACCESSORIES FOR ABOVE MN-28C, MN-28Y Control Boxes MN-20E Loop Antenna, Azimuth Control Box, Right-Left Indicator Flexible Mechanical Cable, RF Cable, Tech Manual, Set of Connecting Plugs, Nul Meter AVAILABLE FROM STOCK

## AN/ARN-6 RECEIVER

Like New \$21.50



Although lighter and more compact than other automatic radio compass equipment, this is one of the most efficient of the airborne direction finding systems. Frequency range: 100 to 1750 Kc covered in four bands: 100 to 200 Kc; 200 to 410 Kc; 410 to 850 Kc; 850 to 1750 Kc. Power requirement: 28 V DC. AS-313B Antenna Control Box Connecting Cables Mount AVAILABLE FROM STOCK Prices Upon Request

## BC-778 GIBSON GIRL TRANSMITTER

EMERGENCY SOS TRANSMITTER

Famous "Gibson Girl" transmits standard SOS signal on 500 Kc just by cranking generator. Also, can be keyed manually. Sea range is up to 500 miles! 2 tubes: 12SC7 and 12A6, 1000 cycle tone modulation. Size 13"x10"x9". Shpg Wt 16 lbs. Excellent used, CHECKED OUT..... \$24.50

## BC-433G

### COMPASS RECEIVER



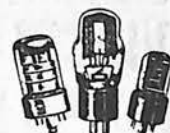
200 to 1750 Kc, 3 Bands, 15 tubes

Used for Aircraft Direction finding can also be used for boats. Consists of a 6-tube superhet receiver, with additional circuits for aural reception. Operating voltages required: 115 volt 400 cyc., and 24 VDC. Complete with tubes: 4/6K7, 1/6L7 1/6J5, 2/6B8, 2/6F6, 1/6N7, 1/6SC7, 2/2051 and 1/5Z4. Size: 12"x8"x19". Weight 45 lbs. LIKE NEW CONDITION..... \$14.50 BC-434 Control Box for Above, Like New..... \$3.95 COMPLETE ACCESSORIES FOR ABOVE, AVAILABLE

## T-69D RADIOSONDE



T-69D/AMT-2 Radiosonde Transmitter. Has 5910 and 5703 miniature tubes. Manufactured by Molded Insulation Co. Size 2 1/2" x 5" x 6 1/2". Shpg wt 1 lb. NEW..... 98¢



## RADIO-TV RECEIVING & SPEC. PURP. TUBES

ALL NEW TUBES, in Original Cartons and Government Surplus Tubes, removed from equipment. These are all FIRST QUALITY TUBES, at money-saving prices!

Type	Net Each	Type	Net Each	Type	Net Each	Type	Net Each
1A6	.35	5CP1	4.50	12A6	.29	724B	.30
1AB5	.48	5CP7A	5.25	12A6M	.24	725A	14.50
1B3GT	.60	5D21	3.90	12AH7	.40	726A	6.25
1B22	1.10	5FP7	1.40	12AX7	.55	728EY	21.50
1B26	.65	5FP7A	4.75	12BE6	.39	730A	2.25
1B32/532A	.35	5J29	7.50	12J5GT	.35	800	.30
1B40	.70	5JP2A	10.50	12SG7M	.60	807A	1.90
1D7G	.40	5MP1	3.90	12SG7Y	.70	814	3.50
1E7G	.40	5T4M	.65	12SH7M	.40	815	2.95
1LA6	.85	5V4	.50	12SQ7GT	.80	832	4.00
1L4	.40	5V4GA	1.05	12SR7GT	.55	832A	4.00
1LB4	.75	5Y3/6106	.50	14E6	.25	836	1.75
1P25A	7.50	6-11	.70	15-Amp Tungar Bulb	6.00	837	2.50
1Q22	3.95	6AC7	.45	15R	.49	841	.30
1Q23	3.25	6AD7G	1.10	FG-17/5557	2.75	860	3.50
1S4	.60	6AG5	.40	24A	.65	861	23.50
1U4	.41	6AJ5	1.05	VT25/10Y	.30	864/VT-24	.21
2 Amp Tungar Bulb	1.75	6AR6/6098	.50	25L6G	.50	866A	1.45
2A7	.40	6AS6	.55	27	.30	872A	3.50
2C40A	8.50	6AV6	.45	28D7	.40	874	.40
2C42	2.75	6AX4GT	.50	33	.30	902A	2.20
2C46	2.85	6B8G	.43	34	.30	923	.80
2C51	.70	6BG6G	.70	35/51	.35	932A	1.45
2C52	2.25	6C6	.55	35W4	.25	954	.14
2E36	1.65	6D6	.55	REL36	.35	955	.35
2J21A	3.10	6E5	.75	39/44	.15	957	.22
2J22	7.50	6F5	.75	43	.90	1274	1.15
2J26	7.50	6FSM	.45	50	.65	1611	1.45
2J27	5.40	6F6G	.70	EF50	.40	1613	1.10
2J31	11.50	6F8G	.50	50B5	.50	1616	.55
2J32	6.50	6H6M	.27	1619	.25	1624	1.20
2J33	11.50	6J4	.55	1624	1.20	1625	.35
2J34	8.50	6J5M	.75	1626	.22	1629	.65
2J36	8.50	6J5GT	.55	72	.30	1630/VT-128	.70
2J39	5.25	6J6	.26	77	.35	1633	.45
2J41	32.50	6J6W	.60	78	.35	1960	.41
2J48	9.50	6J7M	1.20	VR78	.40	1961	4.75
2J50	12.50	6K6GT	.60	FG81A	2.25	2013	.35
2K25/723A/B	10.50	6K7G	.50	84/6Z4	.41	2014	.35
2V3G	.35	6K7GT	.50	89	.30	5528/C6L	5.25
2X2	.21	6K8	.85	HY114B	.16	5557/FG17	2.75
2X2A	.55	6L5G	.50	117Z3	.95	5657	60.00
3-16	.36	6L6M	1.50	VT-127A	3.95	5692	1.75
3A8GT	.35	6L6G	.95	211/VT4C	2.25	5762/7C24	115.50
3B23/RK22	1.75	6Q6/6T7G	.60	217C	3.25	5814/12AU7	.55
3BP1	4.75	6Q7G	.55	251A	21.50	5846	11.50
3C22	6.50	6SA7Y	.70	QK284	59.50	5932/6L6WGA	2.25
3C33	2.75	6SC7M	1.15	313CD	1.75	5948/1754	60.00
3CP151	2.20	6SF5G	.55	316A	.50	5953/C3P14	11.50
3DP1	1.75	6SL7	.65	336A	1.75	5965	.70
3FP7	.80	6SN7GT	.60	350B	1.45	6024	4.50
3HP7	1.75	6SU7GTY	.85	371A	.42	6072	.65
3J31	22.50	6U7G	.45	GL411	14.50	6080	1.85
3JP7	4.75	6V6G	.55	417A	9.50	6097	.45
3Q4	.45	6V6GTY	.60	GL471A	.55	6147	1.15
3S4	.55	6W4GT	.60	531	3.10	6397	2.10
4A21	1.50	6X5GT	.45	559	.40	6414/6829	.26
4B22/EL5B	1.65	6ZY5G	.45	CUE-583	.49	7193	.10
4J26	14.50	7A5	.40	700A	55.00	8011	.75
4J32	24.50	7A6	.45	702B	.55	9001	.70
4J39	75.00	7AK7	.41	705A	.45	9002	.45
4J50	39.50	7F8	1.10	708A	.25	9004	.25
4J53	55.00	7H7	.35	709A	.55	9006	.25
VT-5	.65	7Y4	.75	715B	3.25		
5AP1	2.25	7Z4	.55	717A	.21		
EL5B	1.65	9LP7	3.25	720A	10.50		
		10Y	.35	721A	1.15		

☞ If the tube types you require are not listed above, let us know your needs - we can supply any type of Receiving, Transmitting or Special Purpose Tubes at lowest current prices!

# HOW TO ORDER...

Order your crystals by type and frequency... enclose check or money order (No C.O.D.)... add 5¢ per crystal for postage, 10¢ per crystal for airmail... make check or money order payable to JAN CRYSTALS, 2406 Crystal Drive, Fort Myers, Florida.

PHONE AREA 813 WE 6-2397

**SEND US YOUR REQUIREMENTS... WE ARE RECEIVING NEW FREQUENCIES WEEKLY... WRITE FOR LISTINGS**



## PRESSURE TYPE CRYSTALS

**75c EACH**  
TYPE 243  
3 for \$2.00

Type FT-243. A most rugged type having .093 pins and .486 pin spacing (1/2"). Designed to operate on frequency in 32 mmfd oscillator circuit. The quartz crystal in this holder is either .5" x .5" or .5" x .6" and is held between two stainless steel electrodes by spring pressure. It is by far the most popular crystal of its type in use. Some of the government sets in which the FT-243 is used are: (Maximum drive 50 milliwatts) BC620, BC659, BC611, BC1335, RT111/TRC20, R415/FRC20, R19/TRC-1, RT77/GRC9, BC1306, RT30/PRC1, AN/AMT3, BC1000, AN/PRC5, T87/TRT1, R397/TRL1 and many others. The following frequencies are in stock for immediate delivery, frequencies guaranteed ±1 KC as listed in kilocycles.

4045	5825	6530	7416	7745
4090	5850	6538	7425	7750
4095	5852.5	6550	7440	7758
4215	5875	6575	7450	7760
4220	5892.5	6600	7458	7770
4229	5900	6625	7466	7775
4255	5910	6650	7475	7783
4295	5925	6675	7480	7785
4340	5950	6694	7483	7790
4395	5955	6700	7491	7791
4445	5960	6725	7500	7800
4490	5975	6750	7505	7816
4535	6000	6760	7510	7820
4620	6025	6775	7518	7825
4695	6040	6800	7525	7830
4735	6042.5	6825	7538	7833
4785	6050	6850	7550	7850
4795	6075	6875	7558	7855
4852.5	6100	6890	7570	7860
4950	6125	6900	7575	7866
4995	6150	6910	7580	7870
5165	6175	6925	7591	7875
5235	6185	6950	7600	7880
5295	6200	6975	7610	7886
5385	6225	7000	7616	7891
5582.5	6235	7230	7620	7900
5660	6250	7270	7625	7910
5675	6275	7300	7641	7916
5690	6300	7308	7650	7925
5700	6325	7316	7660	7930
5720	6350	7325	7670	7933
5725	6375	7340	7675	7940
5730	6400	7341	7680	7950
5740	6425	7350	7690	7958
5750	6440	7358	7700	7960
5775	6450	7370	7705	7966
5780	6470	7375	7710	7970
5782.5	6475	7383	7725	7975
5800	6500	7400	7730	7983
5820	6525	7405	7733	8000



DIVISION OF BOB WHAN & SON ELECTRONICS, INC.

## FT-243 AMATEUR BAND CRYSTALS UNCONDITIONALLY GUARANTEED



**\$1.50 EACH**  
4 for \$5.00

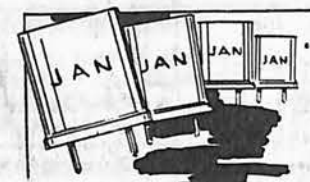
40-meter general	7000 to 7300	fundamental	7000-7300
40-meter novice	7151 to 7199	fundamental	7151-7199
20-meter general	14,000 to 14,350	double	7000-7175
20-meter general	14,000 to 14,350	triple	4667-4780
15-meter general	21,000 to 21,450	triple	7000-7150
15-meter novice	21,100 to 21,250	triple	7034-7082
10-meter general	28,000 to 29,700	X4	7000-7425
6-meter gen. & tech.	50 MC to 54 MC	X6	8334-8900
2-meter general	144 MC to 148 MC	X18	8001-8221
2-meter novice	145 MC to 147 MC	X18	8056-8166
2-meter tech.	145 MC to 147 MC	X18	8056-8166

## CRYSTALS IN STOCK FOR IMMEDIATE DELIVERY LISTING IN KILOCYCLES

3680	8082	8225	8361	8494
3800	8086	8227	8367	8497
3825	8100	8233	8375	8500
3840	8103	8236	8380	8525
3980	8110	8240	8385	8530
3995	8125	8250	8387	8541
7025	8126	8256	8390	8550
7030	8138	8260	8391	8560
7050	8143	8264	8400	8566
7070	8148	8266	8405	8570
7136	8150	8270	8412	8575
7152 to	8154	8272	8425	8580
7198 ±1KC	8160	8273	8430	8583
8008	8164	8275	8431	8592
8020	8166	8280	8438	8600
8025	8170	8283	8440	8620
8030	8171	8295	8450	8625
8035	8175	8300	8463	8630
8040	8177	8301	8464	8650
8045	8188	8317	8465	8675
8050	8191	8318	8475	8700
8058	8198	8330	8480	8710
8065	8200	8333	8481	8797
8070	8210	8340	8483	8820
8075	8212	8341	8486	
8077	8220	8345	8490	
8080	8224	8357	8491	

We guarantee to supply crystals within ± 3 KC from those ordered.

**ADD 5¢ PER CRYSTAL FOR POSTAGE OR 10¢ PER CRYSTAL FOR AIRMAIL**



**\$1.50 EA.**  
4 for \$5.00

## FUNDAMENTAL FREQUENCY HERMETICALLY SEALED CRYSTALS

in HC6/U HOLDERS

ORDER BY TYPE AND FREQUENCY

The CR18/U is a hermetically sealed plated crystal fundamental frequency to be used in parallel oscillator circuit of 32 mmfd. Tolerance is .005% from -55° to +90° Centigrade. It may be used to double, triple, or quadruple, to any desired frequency. Maximum drive is 10 milliwatts.

833.0	2198.75	2628.25	2998.75	4229	6155.70	6905	7465	8216.25	8637.5	10.1958
1300.0	2202.50	2636.0	2998.91	4252	6159.25	6907.5	7473	8221.42	8650.0	10.3000
1325.	2207.06	2639.0	3000.0	4300.0	6173.70	6922.22	7516.66	8228.5	8661.11	10.4666
1400.0	2207.583	2640.0	3005	4310	6175.92	6925.0	7548.75	8227.5	8666.66	10.5150
1500.0	2208.31	2646.0	3020	4485	6181.48	6927	7561.11	8228.57	8675.55	10.6666
1559.	2209	2647.0	3020	4495	6183.33	6935	7575.0	8235	8750.0	10.6916
1605.0	2212.06	2650.75	3035.5	4495.0	6187.03	6938	7585	8236.3	8775.0	11.0000
1718.0	2214.56	2654.25	3052.5	4765.62	6192.59	6944.44	7600.0	8246.66	8783.3	11.0200
1725.0	2217.93	2658	3105.0	4843	6198.14	6950.0	7600.0	8248.0	8790	11.0400
1735.0	2219	2660.0	3145.5	4854	6200.0	6955	7637.5	8250.0	8791	11.1111
1765.	2219.75	2662.0	3154	4859.5	6203.70	6961	7638	8250.0	8808	11.1125
1771.75	2223.25	2665.75	3156.5	4900.5	6216	6966	7650.0	8253.3	8808	11.2500
1775.12	2225.0	2668.0	3158.5	4935.75	6258.30	6972.22	7665	8258.33	8842	11.2562
1781.	2230.25	2677.0	3161.5	5000.0	6261.11	6977	7683	8261.11	8850.0	11.3190
1786.62	2237	2680.75	3166.0	5093.75	6261.11	6985	7715	8273.33	8850.0	11.4962
1786.87	2240	2681.0	3181	5109.37	6261.11	6986	7750.0	8275.0	8910.0	11.5000
1843.75	2243.50	2684	3192	5111.71	6266	6988.88	7758.33	8275.0	8950.0	11.5185
1845	2246.0	2688.25	3203.5	5131	6300.0	6994	7775.0	8285	8977.5	11.5407
1849	2247.75	2689.50	3207.25	5139	6325.0	7000.0	7822.22	8287.77	9019.44	11.5629
1900	2250.0	2694	3217.5	5147.90	6450.0	7005.5	7838.88	8292.31	9026	11.6185
1911.95	2253.5	2695.0	3231.5	5156	6455	7010	7850.0	8294	9027.5	11.6296
1915.40	2264.0	2695.75	3233	5158.59	6500.0	7022	7867	8296	9045.0	11.6510
1916	2265.25	2702	3239	5164	6516	7027.7	7886	8300.0	9061.11	11.6518
1918.85	2281.25	2703.5	3240	5172	6528	7030.55	7887.5	8302	9067.5	11.6740
1922.30	2293.75	2710.5	3248.87	5195	6554.44	7038.88	7894	8307	9108.33	11.6960
1925.75	2294	2710.75	3253.62	5211	6575.0	7061.11	7925.0	8317.5	9125.0	11.7074
1927	2298	2711.25	3255	5227	6591.66	7083.3	7960	8338.46	9139.0	12.3000
1931.0	2320	2716	3285.0	5285.0	6605	7091.66	8000.0	8342	9141.6	12.9125
1937.50	2362	2723	3375	5295.5	6618.75	7105.55	8040.0	8346.15	9156.25	13.7888
1939.55	2365	2726.5	3400	5325.0	6638	7111.11	8045	8347.5	9156.25	13.9000
1985	2368	2730.0	3400	5335.95	6650	7137.5	8064.28	8350.0	9156.25	14.3265
1987	2375.0	2730.0	3400	5337.90	6661.11	7150.0	8071.4	8352.7	9156.25	14.6950
2001	2381	2732.62	3450.0	5355	6661.11	7172	8078	8358	9156.25	15.3180
2007.50	2388.25	2737.75	3461.33	5421.87	6705	7185.5	8085	8362	9156.25	15.9200
2028	2388.75	2751.0	3491.66	5437.5	6705	7185.5	8085	8362	9156.25	16.1644
2035	2394	2762.37	3493	5555	6716.66	7250.0	8091.66	8372.2	9156.25	17.9800
2064.65	2395	2773.5	3516.66	5580	6727	7258.33	8107	8385	9156.25	19.7833
2072	2415.0	2782.0	3526.66	5610	6738	7260	8126	8387.5	9156.25	19.8000
2086.25	2418.0	2794	3533.33	5626	6750.0	7270	8137.5	8407	9156.25	19.8300
2135.75	2437.5	2805	3742.66	5730	6758.3	7278	8142.8	8415	9156.25	19.9166
2146.75	2442.75	2807	3759	5750	6765.55	7305.55	8148	8435.7	9156.25	19.9300
2151	2451.5	2812.5	3759	5750	6772.22	7345.0	8152	8450	9156.25	19.9825
2157.37	2449.5	2820.75	3777	6038.62	6783	7365	8157.14	8469.2	9156.25	20.9800
2158	2453.95	2825.25	3783.33	6061	6792.22	7365	8157.14	8471.4	9156.25	20.9800
2159.5	2475.0	2870.0	3805	6091.66	6788.88	7375	8164.28	8471.4	9156.25	20.9800
2168.75	2494.0	2877.0	3812.5	6098.14	6800.0	7385.75	8164.28	8471.4	9156.25	20.9800
2170	2500.0	2877.5	3814	6109.25	6805	7387.5	8169.23	8471.4	9156.25	20.9800
2172	2502.66	2887.0	3824	6116.93	6810	7395.0	8171.2	8471.4	9156.25	20.9800
2172.25	2506.0	2894.0	3824	6116.93	6810	7395.0	8171.2	8471.4	9156.25	20.9800
2174	2594	2910	3870	6125.92	6822.23	7450.0	8171.2	8471.4	9156.25	20.9800
2176.50	2604	2914	4000.0	6131.48	6877	7458.33	8185.3	8552.7	9156.25	20.9800
2178	2612.0	2931	4020	6137.03	6883.33	7458.33	8185.3	8552.7	9156.25	20.9800
2184	2618.0	2971.16	4055.55	6142.59	6887.5	7428	8192.85	8584.6	9156.25	20.9800
2185.62	2622.5	2987.75	4203.70	6148.14	6894	7435	8199.09	8598	9156.25	20.9800
2194.12	2624.5	2990.0	4210	6900.0	6900.0	7450.0	8200.0	8611	9156.25	20.9800

## DYNAMOTORS - INVERTERS

### ART-13 DYNAMOTOR SUPPLY



Excellent Used.....  
**\$11.50**

INPUT: 27 VDC 32 Amps.  
OUTPUT: 400 VDC 750 Ma.  
750 VDC 350 Ma.  
Size: 6 1/2 x 8 x 12". Wt. 30 lb.

### BD-77 DYNAMOTOR



Excellent Used.....  
**\$19.50**

INPUT: 28 VDC 39 Amps.  
OUTPUT: 1000 VDC 350 Ma.  
Size: 6 1/2 x 10 x 11". Wt 38 lbs.  
With fuses and starting relay.

### PE-73 DYNAMOTOR

NEW.....  
**\$21.50**  
INPUT: 28 VDC 19 Amps.  
OUTPUT: 1000 VDC 350 Ma.

### CARTER GENEMOTOR

NEW.....  
**\$4.95**

INPUT: 5.9 VDC 32 Amps.  
OUTPUT 405 VDC .270 Amps.  
Fine for mobile ham gear.  
Built-in hash filter

### CARTER MAGMOTOR



NEW.....  
**\$2.65**

INPUT: 6 VDC 3.6 Amps  
OUTPUT: 250 VDC .030 Amp.  
#MA2503S.

### CARTER ROTARY CONVERTER

NEW.....  
**\$9.95**  
INPUT: 115 VDC 3.5 Amps.  
OUTPUT: 115 VAC 250 Watts  
60 cycle. Fine for TV, Tape  
recorders, phonographs, etc.  
Size: 10 1/2 x 5 x 4 1/2". Wt 23 lbs.



CRV-21724  
NEW.....  
**\$8.95**

Black & Decker. Input: 27.5 V  
DC at 7.4 Amps. Output: 425  
VDC at 320 Ma. Filtered. Con-  
tinuous duty. 7 1/2 x 5 1/2 x 7".



CW21454-A  
NEW.....  
**\$4.25**

Bendix 651. Input 28 VDC at 4  
Amp. Output 425 VDC at 163  
Ma, with filter. 9 1/2 x 6 x 6".

### D-401 EICOR

LIKE NEW.....  
**\$2.95**  
INPUT: 27 VDC 6.05 Amps.  
OUTPUT: 300 VDC 200 Ma.  
18 VAC 2.2 Amps.

### D-101

LIKE NEW.....  
**\$2.95**  
INPUT: 27 VDC 1.25 Amps.  
OUTPUT: 255 VDC .06 Amps.

### D-300

NEW.....  
**\$9.95**  
INPUT: 12 VDC 11.3 Amps.  
OUTPUT: 425 VDC .2 Amps.

### DA-161A

NEW.....  
**\$9.95**  
INPUT: 26 VDC 5.0 Amps.  
OUTPUT: 265 VDC .220 Amps.  
50 VDC .05 Amps.  
With filter base.

### DAG-33A

NEW.....  
**\$3.95**

INPUT: 18 VDC 3.5 Amps.  
OUTPUT: 450 VDC 80 Ma.  
Size: 4x4x6". Weight 6 lb.  
Shaft size: 1/8x1. Supplied with  
one end bell.

### DM-18-A

NEW.....  
**\$3.95**  
INPUT: 13 VDC 3.3 Amps.  
OUTPUT: 220 VDC .100 Amp.

### DM-21 DYNAMOTOR

Excellent Used.....  
**\$8.95**  
INPUT: 14 VDC 3.3 Amp.  
OUTPUT: 235 VDC 90 Ma.  
Size: 6x5x3". Wt 8 1/2 lbs.

### DM-28 DYNAMOTOR

Excellent Used.....  
**\$5.95**

INPUT: 27.9 VDC 1.25 Amp.  
OUTPUT: 220 VDC 70 Ma.  
Size: 3 1/2 x 5 x 6 1/2". Wt 5 1/2 lbs.

### DM-32 DYNAMOTOR

Used.....  
**\$2.45**  
New.....  
**\$3.95**  
INPUT: 28 VDC 1.1 Amps.  
OUTPUT: 250 VDC 60 Ma.  
Size: 3x3 1/2 x 4 1/2". Wt 3 lbs.

TYPE 35-X-032  
(similar to DM-32 but 12 V.)  
INPUT: 14 VDC 2.4 Amps.  
OUTPUT: 250 VDC 60 Ma.  
NEW.....  
**\$4.45**

### DM-53A DYNAMOTOR

INPUT: 28 VDC 1.4 Amps.  
OUTPUT: 220 VDC 80 Ma.  
NEW, with Base.... \$5.95  
NEW, less Base.... \$3.25  
USED, less Base.... \$1.49

### DM-33 DYNAMOTOR

PRICE UPON REQUEST  
INPUT: 28 VDC 5 Amps.  
OUTPUT: 575 VDC 160 Ma.  
Size: 3 1/2 x 4 x 7 1/2". Wt 8 1/2 lbs.  
Available NEW and LIKE NEW.

### DM-34 DYNAMOTOR

NEW.....  
**\$4.45**  
INPUT: 14 VDC 2.8 Amps.  
OUTPUT: 220 VDC 80 Ma.  
Size: 3x4 1/2 x 6 1/2". Wt 5 lbs.

### DM-36 DYNAMOTOR

INPUT: 28 VDC 1.4 Amps.  
OUTPUT: 220 VDC 80 Ma.  
USED.....  
**\$2.25**  
NEW.....  
**\$3.95**

### DM-35 DYNAMOTOR

Excellent Used.....  
**\$19.50**  
INPUT: 12.5 VDC 18.7 Amp.  
OUTPUT: 625 VDC 225 Ma.  
Size: 4 1/2 x 4 1/2 x 8 1/2". Wt 13 lb.

### DM-37 DYNAMOTOR

INPUT: 25.5 VDC 9.2 Amp.  
OUTPUT: 625 VDC 225 Ma.  
NEW.....  
**\$4.75**  
Excellent Used.....  
**\$3.75**

### DM-40 DYNAMOTOR

NEW.....  
**\$3.25**  
Used.....  
**\$1.95**  
INPUT: 14 VDC 3.4 Amps.  
OUTPUT: 172 VDC 138 Ma.  
Size: 5 1/2 x 3 1/2 x 7". Wt 7 lb.

### DM-41 DYNAMOTOR

INPUT: 28 VDC 6 Amp.  
OUTPUT: 172 VDC 138 Ma.  
NEW.....  
**\$3.95**

### DM-42 DYNAMOTOR

NEW.....  
**\$8.95**  
INPUT: 12 VDC 39 Amps.  
OUTPUT: 515 VDC 215 Ma.  
1030 VDC 260 Ma.  
Size: 7x7x11". Wt 38 lbs.  
(95 cycles)

### DM-43 DYNAMOTOR

INPUT: 28 VDC 23 Amps.  
OUTPUT: 515 VDC 215 Ma.  
1030 VDC 260 Ma.  
NEW.....  
**\$29.50**

### DM-45 DYNAMOTOR

NEW.....  
**\$4.25**  
INPUT: 24 VDC 1.1 Amps.  
OUTPUT: 250 VDC 50 Ma.  
Size: 3x3x4 1/2". Wt 3 lbs.

### DM-25 DYNAMOTOR

INPUT: 12 VDC 2.2 Amps.  
OUTPUT: 250 VDC 50 Ma.  
NEW.....  
**\$4.45**

### DM-65 DYNAMOTOR

NEW.....  
**\$11.95**

INPUT: 12.5 VDC 28 Amp.  
OUTPUT: 440 VDC 400 Ma.  
Size: 4 1/2 x 4 1/2 x 8". Wt 15 lbs.

### DM-310A DYNAMOTOR

#11523.  
INPUT: 28 VDC 2 Amps.  
OUTPUT 350 v 80 Ma.  
NEW.....  
**\$1.95**  
DM-310A - #11522  
INPUT: 28 VDC .5 Amps.  
OUTPUT: 100 VDC 10 Ma.  
NEW.....  
**\$1.95**

### DM-414 (BD-BL-69)

NEW.....  
**\$3.95**

BD-69, Eclipse or Eicor.  
INPUT: 14 VDC 2.8 Amp.  
OUTPUT: 220 VDC 80 Ma.  
4200 RPM, cont. duty.  
Filtered. Size: 6 1/2 x 6 1/2 x 4 1/2".

### DMFX

NEW.....  
**\$5.95**  
INPUT: 28 VDC 5 Amps.  
OUTPUT: 330 VDC .250 Amp.

### DY-5A/ARR-3 DYNAMOTOR

INPUT: 24 VDC.  
OUTPUT: 220 VDC .080 Amp.  
With filter base assembly.  
SPECIAL.....  
**\$8.95**

### DMF-519H

NEW.....  
**\$3.95**  
INPUT: 28 VDC 17.5 Amps.  
OUTPUT: 600 VDC 500 Ma.

### DY-25/AXT-2

NEW.....  
**\$6.95**  
USED.....  
**\$4.95**  
INPUT: 26.5 VDC 25 Amps.  
OUTPUTS: 775 VDC .225 A.  
405 VDC .345 A.  
-53 VDC .050 A.  
18.3 VAC 3.7 A.  
(95 cycles)

### DY-42A/APW-11

NEW.....  
**\$6.95**  
INPUT: 26.5 VDC 2.2 Amps.  
OUTPUT: 350 VDC .080 Amp.  
-80 V .010 Amp.  
With filter base.

### DY-44A/U

NEW.....  
**\$6.95**  
INPUT: 28 VDC 3 Amps.  
OUTPUT: 12.9 VDC 3.5 Amp.  
With filter - carrying case  
and cables.

### DYA-4115F

NEW.....  
**\$5.95**  
INPUT: 25.4 VDC 5.2 Amp.  
Output: 550 VDC .130 Amp.

### GE AMPLIDYNE MOTOR GENERATOR

NEW.....  
**\$9.95**  
#5AM31R37  
INPUT: 27 VDC 75 Amps.  
OUTPUT: 60 VDC 16.7 Amp.  
1000 Watts. 7500 rpm.  
Shunt wound.

### EICOR DYNAMOTOR

NEW.....  
**\$4.25**

INPUT: 28 VDC 2.5 Amp.  
OUTPUT: 19 VAC, 105 cps,  
at 2.1 Amp. 40 W.  
100% PF., 6300 RPM, cont.  
duty, ball-bearing, base-  
mounted, filtered. Originally  
for C-1 Autopilot. 7 1/2 x 3 1/2 x 5 1/2".  
Wt. 10 lbs.

### MG-149F INVERTER

Used.....  
**\$12.95**

made by Holtzer-Cabot.  
INPUT: 24-28 VDC 36 Amp.  
TWO OUTPUTS:  
26 VAC 400 cps., 1 phase,  
250 VA., 40% PF.  
115 VAC 400 cps., 1 phase,  
500 VA., 90% PF, 6000 rpm.  
Has governor for frequency  
control with "hi-lo" switch to  
change output voltages. Radio  
noise filtered, 12x8x7".  
Wt. 20 1/2 lbs.

### MG-149H INVERTER

Excellent Used.....  
**\$14.95**  
Like New.....  
**\$21.50**

Holtzer-Cabot.  
INPUT: 28 VDC 44 Amp.  
OUTPUT: 26 VAC 400 cps.  
250 VA., 1 phase - and -  
115 VAC 400 cps.  
500 VA., 1 phase.

## DYNAMOTORS - INVERTERS

### PE-86 DYNAMOTOR



Used.....  
**\$2.49**

INPUT: 28 VDC 1.25 Amp.  
OUTPUT: 250 VDC 60 Ma.  
Size: 3 1/2 x 5 x 5 1/2". Wt 3 1/2 lb.

### PE-94C DYNAMOTOR

New.....  
**\$6.95**

Excellent Used.....  
**\$3.95**  
INPUT: 28 VDC 10.5 Amps.  
OUTPUT: 300 VDC 260 Ma.  
150 VDC 10 Ma.  
14.5 VDC 5 Amp.  
Size: 5x8x12". Wt 35 lbs.

### PE-98 DYNAMOTOR

INPUT: 14 VDC 21 Amps.  
OUTPUT: 300 VDC 260 Ma.  
150 VDC 10 Ma.  
NEW.....  
**\$9.95**  
Used.....  
**\$4.45**

### PE-101-C DYNAMOTOR

NEW.....  
**\$6.95**

INPUT: 13/26 VDC 12.6/6.3  
Amps.  
OUTPUT: 400 VDC 135 Ma.  
800 VDC 20 Ma.  
and 9 V 80 cyc. 1.12 Amp.  
Size: 14x4 1/2 x 7". Wt 15 lbs.  
Connector Plug.....  
**\$1.50**

### PE-103 DYNAMOTOR

NEW.....  
**\$29.50**

Ballentine, Size: 6x12x18".  
INPUT: 6/12 VDC 21/11 Amp.  
OUTPUT: 500 VDC 160 Ma.  
Continuous duty. With filters,  
starting relays. Wt 53 lbs.

### PE-119A INVERTER

Excellent Used.....  
**\$11.95**  
FRA105-KVA575.  
INPUT: 25/28 VDC 36 amp.  
OUTPUT: 80 VAC 800 cps.  
90% PF., 1 phase.

### PE-125 MOBILE VIBRATOR SUPPLY

NEW.....  
**\$12.95**  
INPUT: 12/24 VDC 1 1/2 / 7 1/2 A.  
OUTPUT: 500 VDC 160 Ma.  
With starting relays, filters,  
fuses, vibrators, 10x11x7 1/2".

### PE-135-AX DYNAMOTOR

NEW.....  
**\$14.95**  
INPUT: 12/24 VDC 16/8 Amp.  
OUTPUT: 500 VDC 0.2 Amp.  
With filter base.

### PE-186 DYNAMOTOR

NEW.....  
**\$9.95**  
INPUT: 28 VDC 11 Amp.  
OUTPUT: 400 VDC .4 Amp.  
With filter Base.

### PE-206 INVERTER

NEW.....  
**\$89.50**  
Like New.....  
**\$79.50**  
Excellent Used.....  
**\$69.50**  
For use with APN-9 and APN-  
-4 Loran. Made by Leland.  
INPUT: 28 VDC 38 Amp.  
OUTPUT: 500 VAC 800 cyc.  
at 500 VA. 1 phase, and  
80 VAC 800 cyc.  
at 500 VA. 1 phase.

### PE-218 INVERTER

NEW.....  
**\$29.50**  
Like New.....  
**\$19.50**  
INPUT: 24/28 VDC 80/90 A.  
OUTPUT: 115 VAC 13 Amp.  
400 cyc. 1 phase, 90% PF.  
Carbon pile voltage regulator  
with freq. adjustment. Radio  
noise filtered. 8000 RPM.  
Shpg wt 75 lbs.

### PIONEER GENEMOTOR

NEW.....  
**\$5.95**  
INPUT: 5.6 VDC 17 Amp.  
OUTPUT: 525 VDC .1 Amp.

### PIONEER GENEMOTOR

INPUT: 9 VDC  
OUTPUT: 450 VDC.  
With blower fan assembly.  
NEW.....  
**\$2.95**

### SE-2 #3534-1

Excellent Used..  
**\$21.50**  
#3534-1 Leland.  
INPUT: 27 1/2 VDC 45 Amp.  
OUTPUT: 115 VAC 750 VA.  
400 cyc. 3 phase.  
Size: 7 1/2 x 11 1/2 x 11 1/2".

### TCS POWER SUPPLY

NEW.....  
**\$11.95**  
Collins 21881  
INPUT: 12 VDC 14.5 Amp.  
OUTPUT: 400 VDC 200 Ma.  
225 VDC 100 Ma.  
Size: 7 1/2 x 7 x 13". Wt 28 lb.

### WEBSTER DYNAMOTOR

NEW.....  
**\$2.95**  
INPUT: 9 VDC 7.5 Amp.  
OUTPUT: 405 VDC .095 Amp.  
Less 1 end bell.

### X-3516-1 INVERTER

LIKE NEW.....  
**\$24.50**  
INPUT: 27.5 VDC 165 Amp.  
OUTPUT: 115 VAC 2500 Va.,  
400 cyc. 1 phase.  
Size: 15x11 1/2 x 8". Wt 58 lb.

### 5DY82AB34

Excellent Used.....  
**\$1.59**  
INPUT: 12 VDC 1.2 Amp.  
OUTPUT: 120 VDC .02 Amp.

### 800-1 INVERTER

Excellent Used.....  
**\$10.95**

Input: 24 VDC 75 Amp.  
Output: 115 VAC 800 cyc.  
1 phase, 10.5 Amp.  
Size: 4 1/2 x 8 x 12". Wt 35 lb.

### TYPE 4120

Excellent Used.....  
**\$4.25**  
INPUT: 11.5 VDC 12.5 Amp.  
OUTPUT: 550 VDC .175 Amp.

### 12117-6-B

Used.....  
**\$2.95**

Made by Pioneer-Bendix.  
INPUT: 24/28 VDC 1 Amp.  
OUTPUT: 26 VAC., 400 cps.  
1 phase, 6 VA., 40% PF.  
Will operate up to 4 autosyns  
or magnesyns without power  
factor correction and up to 18  
if corrected. Radio noise fil-  
tered. Base mounted.

### 12123-2-A INVERTER

NEW.....  
**\$5.95**  
INPUT: 24 VDC 8 Amp.  
OUTPUT: 115 VAC .15 Amp.  
30 VA., PF. 3 3-phase,  
400 cycle. Made by Pioneer.





This unit is a component of the AN/APS-3A Aircraft Radio Equipment. It is designed to supply power to the transmitter in pulsed form. Modulator tubes: 1/829, 1/715B, 4/72R, 1/73R. A motor in the unit is used for cooling the driver tube. Overall size: 15 1/2 x 15 1/2 x 17 3/4". Wt. 63 lbs. Operates on 115 V 800-2400 cps. LIKE NEW.....\$49.50

**RADIO TRANSMITTER & RECEIVER SCR-178**



Transmitting & Receiving Frequency 2.4 to 3.7 Mc. This equipment supplies field communications on CW, Tone or Voice, up to 100 miles. Power source is a hand generator supplying 8 & 500 V DC, or dry batteries. Tubes used are: Receiver: 2/30, 2/34. Transmitter: 1/10, 1/865. Modulator: 2/30. Total weight 200 lbs. NEW.....\$74.50

**TS-102/AP TEST SET**



Range Calibrator TS-102/AP is a portable pulse generator that produces a marker pulse and a synchronizing pulse used in calibrating range units of radar receivers. Marker output pulse: 0 to +30 V. Repetition frequency: 327, 800 pps. Synch. Output pulse: Amplitude: 30 to 50 V into 72 ohms. Duration: 8usec. Temp. Range: -4° C. to +120° C. Repetition Freq.: 400/800/1600 or 2000 pps. Tubes: 1/5Y3GT, 5/6AC7, 2/6AG7, 2/6SN7GT. Size: 14 x 25 x 18". Wt. 37 lbs. Like New.....\$39.50

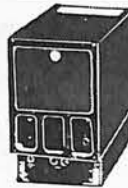
**TS-279 DUMMY ANTENNA LOAD**



3-inch pyrex feedthrough insulator, 1000 ohm 100 watt resistor with two test leads and clips. Cabinet size 13x6x4". Cabinet can be used for a chassis. LIKE NEW.....\$3.95

**BC-605 INTERPHONE AMPLIFIER**

BRAND NEW.....\$345  
Excel. Used \$1.95



Easily converted to home or office intercom system! Uses pair of 1619 tubes, delivering 10 watts of audio power. Massive construction, suitable for shops, factories. Finest parts used. Conversion diagram and instructions included.

**TS-59/APN-1 TEST SET**



This is a range calibrator, used in testing altimeter equipments. It is part of Radio Set AN/APN-1. Frequency range: 440 to 450 Mc. Attenuation: 75 db (max). Delay: 4 usec. Temp. Range: -10° C. to +52° C. Accuracy: ±2% at center of range. This unit is self-contained in single instrument case. No external power source needed. Overall size 20 3/4" x 9" x 20 1/2" high. Complete with interconnecting cord assemblies, T adapter plugs and maintenance handbook. Wt. 60 lbs. Like NEW.....\$69.50

**TS-62/AP ECHO BOX**

9320 to 9430 Megacycles



Portable ringing cavity for radar testing and general microwave research. Has loaded Q of 50,000 to 80,000. Used as a target simulator in radar maintenance, for relative power measurements, spectrum analysis, frequency checks, etc. Impedance 50 ohms. Resonance and relative power indicated by meter deflections. Shpg wt 15 lbs. LIKE NEW.....\$79.50

**Butterfly Condensers**

AN/APR type tuners, can be used for ultra high frequency transceivers, freq. meters, oscillators.



**TN-3A**  
300-1000 Mc.  
2 1/2" dia, 2 1/2" deep.  
Each.....\$3.95



**TN-2A**  
106-330 Mc.  
4 1/4" dia, 3" deep.  
Acorn socket for 955 tube.  
Each.....\$3.95



**TN-30**  
135-485 Mc.  
4 1/2" dia, 2 1/2" deep.  
Each.....\$3.95



**C-3553**  
300-1000 Mc.  
2 1/2" dia, 2" deep.  
Each.....\$3.95

**DUAL AMPLIFIER**

NEW \$7.95



Has two input circuits, each feeding a single 6SN7GT twin triode amplifier. The unit is complete with 115 volt 60 cycle power supply which uses 6X5GT rectifier. Finest components. All transformers hermetically sealed. Vibrationproof chassis on 4 rubber shock-mounts. Size: 5 3/4" x 2 1/4" x 4 3/4". Weight 11 lbs.

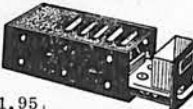
**PACKARD-BELL PRE-AMP.**



Operates on 28 V DC. Provides beautiful tone quality. Tubes: JAN 28D7 and JAN 6SL7GT. Housed in a handy aluminum case 5x4x5". Many usable parts. Relay and control PL68 plug and patch cord. Shpg wt 2 lbs. NEW.....\$1.98

**SERVO AMPLIFIER**

Less Tubes 95¢



With Tubes \$1.95. Made by Sperry. Contains 2/1632, 1/1633, 1/1634. Many excellent parts: mica condensers, dozens of color coded 1/2-watt resistors, two dual and 4-section bathtub condensers, 3 transformers, two wafer switches, one volume control, 4 octal sockets. In ventilated aluminum drawer cabinet 8 3/4" x 4 1/2" x 3 3/4". Works on 115 V 400 cy.

**AM-300/A1C PUSH/PULL AMPLIFIER**

LIKE NEW \$6.95



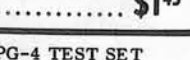
4-tube PP power amplifier with dynamotor, works on 28 V DC. Automatic gain control. Includes barometric device for operation from 10,000 to 30,000 ft. Will operate 6 or more station jack boxes. Shpg wt 15 lbs.

**AM-142/A1C MIXER AMPLIFIER**

Single tube pushpull amplifier, used as audio line booster and mixer. Input 500 ohms, output 600 ohms. Operates from 24 V DC. Complete with one 26A7 tube and schematic. Size 5x5x2". Wt 2 1/2 lb. Excellent Used.....\$1.45

**TS-51/APG-4 TEST SET**

NEW \$69.50



Designed for adjusting and calibrating Radio Set AN/APG-4 bomb release eqipt. It is connected to permit signal from transmitter section to pass thru the test set before it is applied to the receiver section. Operates from 26 or 13 V DC. Variable motor speed controls frequency increase. Equipment includes Phase Modulator and Case, size 15 1/2" x 8 1/2" x 15 1/4". 8' Transmitter ant. cable with connectors, 8' Receiver antenna cable with connectors, and Battery Input and Relay Output Cables with connectors, each 8'. Total wt. 40 lbs. Manual included.

**TRANSMITTER T-179/ART-26**

Operates on 465 to 515 Mc



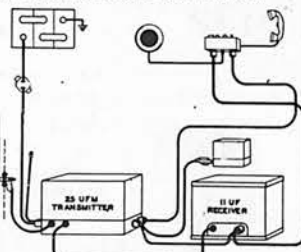
Designed for airborne use as part of an AEW system. It relays the radar video, together with synchronizing signals, to surface control station for presentation on indicator. Tubes used: 2/7F7, 1/6AB7, 1/6V6GT, 1/6H6, 1/829B, 2/6SN7, 2/6AR6, 1/5V4, 1/3C22. Size: 21 1/4" x 10 1/8". Weight. 57 lbs. TRANSMITTER, NEW.....\$59.50

**POWER SUPPLY PP-104/APT-5**

Separate assembly consisting of two power supplies: High voltage power supply delivers 1000 V at 150 Ma.

Low voltage supply delivers 400 V at 500 Ma. Power input 115 Volts 400-2600 cycles. Size: 21 1/4 x 5 x 8". Weight 37 lbs. POWER SUPPLY, NEW.....\$29.50

**SCR-298 TRANSMITTER & RECEIVER**



**FM FREQUENCY RANGE 30 to 40 Megacycles**

Designed for mobile two-way communication. Consists of 25-watt mobile FM transmitter, mobile FM receiver, synchronous vibrator type power supply, designed to work on 6 V DC. Tubes used, Transmitter: 3/7C7, 2/7A8, 1/7C5, 1/807. Receiver: 2/6AC7, 1/6K8, 1/6V6, 6SH7, 1/6K8, 1/6SJ7, 2/6H6 1/6SL7GT, 1/6K6GT. Wt 55 lbs. Manual included. LIKE NEW.....\$79.25

**AM-26/A1C PHASE INVERTER AMPLIFIER**



4-tube pushpull power amplifier with phase inverter circuit. Used in aircraft intercommunication. Carbon mike input, hi and low impedance output, with volume control. Normally operates from 24 VDC. Makes excellent conversion to dandy 9-watt amplifier. Size: 9 1/2 x 5 1/4 x 5 1/4". Wt. 6 1/2 lbs. Complete with tubes and dynamotor. Excellent used.....\$9.95

**BC-347 AIRCRAFT INTERPHONE AMPLIFIER**

Used in small planes for speech. Has two ounce transformers, carbon mike input, standard headset output. Requires 12 or 24 v and 250 V DC. Uses 6F8G tube. Size: 3x2x5 1/2" Wt 3 lbs. NEW.....\$1.95

**PANEL METERS**



WESTINGHOUSE 0-50 DC MILLIAMMETER 3 1/2" Round Each.....\$4.50



G.E. 0-15 D.C. AMPS. 3 1/2" Round. Rear Flange. Depth: 1-7/8". 75 div. Each.....\$2.95



G.E. 0-25 D.C. MILLIAMMETER 2 1/2" Round, original boxed. Each.....\$2.25



WESTINGHOUSE & WESTON 0-10 2" Decibel Meter. Flush mounting. Each.....\$2.45



GEN'L ELECTRIC 0-300 D.C. MILLIAMMETER 2 1/2" Round. Black-face, silver markings, original boxed. Each.....\$2.75



GEN'L ELECTRIC DECIBEL METER -16 to +3 Db. 2 1/2" Round. Each.....\$1.95



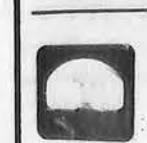
TRIPLETT 0-1.5 R.F. AMMETER 2" Round, Flush mounting, less Thermocouple. FS - 5 Ma. at 10 Mv. Each.....\$2.35



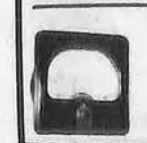
TUNING METER 2" tune for maximum scale. 2 Ma. right, 5 Ma. left. 5-ohm DC resistance. Each.....\$1.95



WESTINGHOUSE 0-150 Volts AC VOLTMETER 2" Panel Mounting. Each.....\$2.45



B & K MFG CO. 3" Square Meter 0-1 Ma. movement. Dial reads: 0-1, +0 -10, +0-100, +0-1000. Flush mtg. Each.....\$3.45



DeJUR-AMSCO 3" Square Meter 0-800 Milliamps. Flush mtg. Each.....\$3.25



G.E. DC MILLIAMMETER 0-1 Ma. Movement. Scales: 0-2 and 0-40. 3 1/2" round. Each.....\$3.95



ROLLER-SMITH 0-10 D.C. MILLIAMMETER 3 1/2" Round "Plate Current" Each.....\$1.75



0-200 Microamp. DC METER 2 1/2" Round. Sealed Case. Black face. Scales: 0-5, 0-20. "Pulse Width". With mounting plate in original carton. Each.....\$3.95



GEN'L ELECTRIC 0-6 R.F. AMPS. 2" Round, flush mtg. SC-IS-182. Each.....\$2.95



240-0-240 DC AMMETER 2 1/2" Round, 1-7/8" mtg. ctrs. Black face, luminous markings, zero center. Each.....\$2.65



DeJUR-AMSCO 0-50 DC MILLIAMMETER 2" Round. Each.....\$2.75



DeJUR-AMSCO 0-30 V Scale 0-1 Ma. Movement. Flush mounting. Each.....\$2.19



WESTON - G.E. 2" Milliammeter 0-1.2 Ma. Flush mounting. Scale: 0-100. Each.....\$1.75



HOYST 0-150 Volts DC VOLTMETER 3" Round, flush mtg. Model #17-L. Each.....\$3.19



WESTERN ELECTRIC 1-0-1 Milliamperes 3" Round. Center reading to each side. Flush mtg. Each.....\$3.95



MARION Carrier Level Meter S-1 to 9, 20-40 db. 2 1/2" Round, flush mtg. Each.....\$3.95

WESTON DUAL METER 0-100 Microamps. Needles at centers of both scales. Readings: Tune 2:1, Coup. 4:1. "Do not read SWR unless tuned". Weston model 827, type 31. 4" Round. Each.....\$5.25



VISUAL INDICATOR Model S-47 Dual movement, 0-500 Microamps. Mounting centers 3 1/2 x 3 1/2". 4 1/2" deep. LIKE NEW.....\$2.75



SPERRY GYROSCOPE Electrically operated gyro which shows aircraft attitude in dive-climb and banked positions. Operates on 115 volts 400 cycles. Shpg wt 12 lbs. Each.....\$7.95



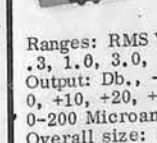
TWIN INDICATORS Indicator azimuth & sighting angle type C-1A. Operates on 26 volts 400 cycles. Two 3" indicators. Like New.....\$3.95



HEATHKIT AC VOLTMETER Used, but very clean condition! Limited Supply Each \$12.95



DC AMMETER 0-15 Amps. 3 1/2" easy reading scale, 75 divisions. Black plastic case, 4 1/2 x 5 1/2 x 2 1/4". Rubber covered test clip leads plus black metal carrying case with hinged cover. BRAND NEW.....\$3.65



TEST SET I-181B BRAND NEW \$9.95



TEST SET BE-51 with 0-5 DC MILLIAMMETER 2 1/2" Round Each...\$4.25



This is a current flow type relay adjusting set. It measures and controls current flow thru winding of relay, drop, or similar unit being tested. DC Milliammeter has three ranges: 0-15, 0-75, 0-150 Ma. 3" Panel Meter. Overall size: 8 3/4" x 5 1/4" x 5 1/4". Weight 9 lbs. This handsome unit is housed in massive metal cabinet with latching cover. Each.....\$4.25

R.W. CRAMER TIME DELAY RELAY Set for 2 sec. 50/70 cycles, 115 volts. SPDT switch 10 amps. 3" Square. 2 1/4" deep. Each.....\$6.50



GEN'L ELECTRIC 4" Meter, center reading to each side: 1-0-1 Ma. Illuminated face, flush mtg. Each.....\$3.95



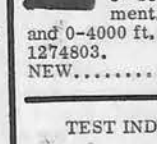
IN-4D LEFT-RIGHT RADIO COMPASS INDICATOR Used with MN-26 Series Radio Receivers. NEW, each. \$4.95



I-81A 3" INDICATOR 0-36 degree scale contains a matching autosyn that was used with the LP-21 LM Loop. LIKE NEW.....\$2.45



ALTITUDE METER ID-14/ARN-1 3" scale, 0-6 Ma. movement. Dual range, 0-400 and 0-4000 ft. Westinghouse style 1274803. NEW.....\$4.75



TEST INDICATOR BE-67 In oak case 8" x 5 1/4" x 5", with leather handle, hinged cover. Contains 3" Round 0-1 DC Milliammeter made by Hickok, relay, phone jack, and 50,000 ohm potentiometer. Designed for testing military equipment. Very SPECIAL.....\$5.75



BIAS METER Excellent for measuring DC voltages, bias voltages, or checking polarity of DC voltages. Designed originally for telephone and teletype voltage measurements. With adaptor plug, schematic, metal carrying case. Batteries not needed for operation. BRAND NEW.....\$4.95

**HS-23 HEADSET**  
The standard high impedance magnetic headset. Uses R14 units (4000 ohms each). HB-7 leather-covered adjustable headband, and quick-disconnect black PL-54 bail-out plug. This is the resonant magnetic (undamped clamped diaphragm) type, extra desirable for MCW, but also very clear on speech. NEW, less cushions. .... \$475  
Used.....\$2.75

**HS-33 HEADSET** similar to above, but low impedance, 600 ohms, flat response 200 to 4000 cps. Complete with 18" side mounted cord with PL-354 plug; less cushions. NEW..... \$5.45  
Used..... \$3.25

**RUBBER EAR CUSHIONS**  
MC-162A Flat type for HS-23, HS-33, and similar units. NEW.....Pair 50¢  
CHAMOIS EAR PADS Fit most earphones. NEW.....Pair \$1.50

**LARGE SPONGE RUBBER** Earphone cushions for 2 1/2 elements. NEW.....Pair 29¢

**CD-307 CORD**  
Extension for cords with PL-54 plug as used on headsets. 65" long with JK-26 jack and PL-55 plug. NEW..... \$1.35

**CD-604 CORD**  
with impedance matching transformer 500 ohm to 4000 used with HS-30 Headset. 6' cord with PL-54 plug. NEW..... 95¢  
CD-605 CORD similar to CD-604 Cord but with PL-55 plug instead of PL-54, and this cord is 30" long. NEW..... 95¢

**CD-318 CORD**  
Has press-to-talk switch and 4' branch ending in standard 3-circuit mike plug PL-68. NEW..... \$125

**MC-385 High to Low Impedance HEADSET ADAPTER**  
For use with headsets HS-33, HS-38 or other high impedance phones Jack for PL-55 on one side of case (input), PL-55 plug on other side, (output). NEW..... 59¢

**HS-30 HEADSET**  
256 ohms. Soft rubber hangs in your ear lobes below (not in) your ear canals. Lightweight headband and cord 9" long. NEW..... \$169  
Used..... \$1.45

**HS-17 HEAD & CHEST SET ASSEMBLY**  
Headset phones 30 ohm with rubber cushions. Microphone 50 ohms with 8-ft cord & PL-58 plug fits EE-8 field tone. Weight 5 lbs. Excellent used. .... \$395

**T-17 MICROPHONE**  
The aristocrat of carbon mikes. 50-ohm. Has handy molded-in hook to hang it up. Press-to-talk switch on side makes mike circuit before control circuit. Latest model. Weight 2 lbs. NEW..... \$850  
Exc. Used, Checked out.... \$4.95

**T-30 THROAT MIKE**  
Gives distinct voice reproduction for most uses. 2 microphones mounted in rubber neckpiece with elastic neckband. Operates between 100 & 300 ohms. NEW..... 59¢  
Used..... 39¢

**T-45 LIP MICROPHONE**  
Carbon type 100 ohm, 50 db below 1 millivolt, flat response, with PL-291 2-cont male plug, 11" cord. NEW..... \$125  
NAVY-TYPE LIP MIKE, similar to T-45; made by Western Electric. NEW..... \$1.25

**W. E. BREAST MIKE**  
Single button carbon mike with breastplate. Very sensitive, complete with 6-ft cord and W. E. plug. NEW..... \$1.29

**DESK MICROPHONE**  
Signal Corps Carbon Type. Used by "Hams" and professional recording studios, broadcasting, public address, etc. Telephone type with sensitive clear tone. Complete with cord and plug. With and without switch. LIKE NEW..... \$395

**R-14 SPEAKER**  
1000-ohm earphone element in 3" metal case with PL-54 plug and cord. Called "Mine Detector Resonator" NEW..... \$125

**TS-9 HANDSET**  
Has butterfly type press-to-talk switch. Standard Signal Corps handset. 50/75 ohm carbon button. 135/600 ohm (1 kc) magnetic rcrv capsule. 3-cond. cord. Excellent Used..... \$375

**TS-13 HANDSET**  
Battery powered. Receiver: 3500 ohms impedance. Transmitter: 50 ohms. Both in single phenolic housing with switch, 68" 4-cond. rubber covered cable. Excellent Used..... \$425

**CARBON BOOM MICROPHONE**  
With 16" cord and PL-291 plug. \$165  
Each..... \$165

**RS-38 MICROPHONE**  
This is a compact press-to-talk 100 ohm carbon hand microphone. Can be used in place of the T17D mike. Complete with 5-ft cord and PL-68 plug. NEW..... \$650  
Excellent Used, checked out \$3.95

**T-26 CHEST MIKE**  
Carbon microphone with press-to-talk switch, on chest plate with adjustable boom. 60-ohm impedance. Like new..... \$1.69

**BE-70 TELEPHONE SWITCHBOARD TEST SET**  
Provides a means of locating practically all faults common to magneto and common battery telephone exchanges. Test can be made in a simple manner for grounds, shorts, opens, crosses and bad joints. Unit contains a Weston model 24, 7-inch 100,000 ohm voltmeter, 0-40 DC scale, hand crank generator switches, etc. NEW..... \$1895

**WESTERN ELECTRIC No. 1407C TESTING CABINET**  
This is a condensed wire chief's desk that affords means for accurately testing all troubles common to both magneto and central battery exchanges. Quickly and easily tests for grounds, crosses, short circuits, opens, bad joints, etc. Equipped with high quality Weston Voltmeter. Substantial Oak Cabinet. Complete with instruction manual. NEW, in original carton, F.O.B. NYC or Calif. \$1295

**SELSYN ZEROING ANALYZER**  
Roller-Smith Model B. Functions: zeroing of Selsyn Generators, Selsyn Control Transformers and Differential Selsyns; Voltage Readings 0-50, 0-500 V DC; 0-300, 0-600 V AC; Resistance Measurements 0-1000, 0-10,000, 0-1 Meg. NEW, ONLY..... \$2950

**TELEPHONE HANDSET**  
Western Electric type. Carbon button mike and 200 ohm standard telephone receiver, OK for replacement or experimental use. Will operate with as little as 1 1/2 volt power supply. Size 8 1/2 x 2 1/2 x 3-3/8". Weight 2 lbs. With 4-conductor coiled-cord. Available in GREEN or BLACK. LIKE NEW..... \$295

**TP-9 TELEPHONE**  
This is a portable amplifier telephone in a waterproof aluminum case that contains a TS-9 handset, magneto type ringer and a three-tube battery operated amplifier which permits use of the telephone system over wires for more than 20 miles. Can also be used with other magneto type telephones without using the amplifier. Batteries required: 1 1/2, 4 1/2 and 65 volt. Complete with tubes and handset. Size 19x11x12 1/2". Wt 18 lbs. With Manual. \$1950  
NEW..... \$1950

**RM-29 REMOTE CONTROL**  
RM-29 is similar to EE8 plus facilities for remotely controlling any receiver-transmitter. Use as a telephone with any carbon mike and any low-impedance headset. As a PHONE PATCH, use it with no modifications! Just put phone line in parallel with your headset and mike. Uses 3 standard flashlight cells. Handcrank generator does ringing. Good up to 25 miles. Patch cords with PL-68 and PL-55 Plugs. Size 9x6x5". Weight 14 lbs. Less Batteries.

**RM-52 REMOTE CONTROL**  
Multi-purpose unit can be used with RM-53; as a separate telephone system; direct control for radio equipment; or converted to a PHONE PATCH. Provides bias for mike, sidetone to headset. High/lo impedance mike and phone jacks. 6 lbs. NEW..... \$285

**FL-8 FILTER**  
Navy-type 1020 cycle, accept or reject, with PL-55 plug and jacks. NEW..... \$185

**FL-30 FILTER with PL-55 Plug and JK-26 Jack, complete**  
Excellent Used..... \$185

**NAVY BEAM FILTER**  
1020 cycles low impedance. Similar to the FL8 but more elaborate, with cord and PL55 and switching control on slant panel for easy viewing. NEW..... \$225

**H-22/U HANDSET**  
Has retractable "Y" cord, PL-68 and PL-55 Phone Plugs. Butterfly switch. NEW, each..... \$525

**ART-13 KEYING RELAY & VACUUM SWITCH**  
3 cont. SPST normally open; 1 contact SPST normally closed. VACUUM SWITCH 2 SPDT & 1 SPDT  
Operating voltage 28 V DC. 2 coils each 27 ohms, series. Size 4x3x5". Wt 2 lbs. NEW..... \$1025  
Excellent Used..... \$8.95

**TELEPHONE TYPE RELAY**  
Made by J.H. Bunnell, this telephone type relay has adjustable sensitivity. 150 ohm coil. Size 3 1/2 x 4 x 7 1/2". Shpg wt 3 lbs. NEW, each..... \$345

**MERCURY WETTED CONTACT RELAYS**  
Made by Western Electric, these mercury wetted contact relays provide high speed (up to 60 operations per second) long life, uniformity and chatter-free operation. Mounted in medium octal base sealed metal tube, WE type D171584. SPDT unit with single 4500 ohm coil. Operates at 8 Ma. Releases at 5.2 Ma. Has enclosed 24-volt heater coil for positive subzero operation. NEW, Each..... \$275

**DUAL RELAY**  
Struthers Dunn 68AXX101  
Dual 40-amp. contact relays with dual 24 V DC coils. Mounted on a bakelite base 1 1/2" x 3 1/2" x 5". Shpg wt 3 lbs. NEW..... \$120

**RELAY, THERMAL TYPE**  
SPST, normally closed, contacts rated at 2 amps. heater operates on 6, 9 V DC 10 seconds opening time. Tube-type, with plug-in octal socket. NEW, Each..... 29¢  
4 for..... \$1.00

**1000 KC. CRYSTAL**  
For BC-221 Frequency Meters. Adaptable for use with LM-13 and LM-14 Frequency Meters. Fits octal sockets. Late type in can approximately 1-5/8" high, 1 1/4" dia. Hermetically sealed can. NEW, each..... \$550

**100 KC. CRYSTAL**  
For Loran Sets, G.E. #32C401G53 mounted in standard 3-pin holder. Size: 2-1/8" high (with pins 2 3/4" high) x 1 1/4" W x 1-5/8" D. Weight 2 oz. EACH..... \$365

**AIRCRAFT RADIO COMPRESSOR**  
Pressurization package equipment, includes Motor, Switch Assemblies, Desiccant chamber, Absolute Pressure Indicator and associated valves and controls. Overall 13 1/2 x 8 1/2 x 8" high. NEW..... \$1650

**TS-164 FREQUENCY METER CASE**  
With voltage regulator tube VR-105 two ballast tubes and relay installed in rear compartment which is 2" deep. Front compartment is 9 3/4" x 7 1/2" x 7-3/8". Hinged cover with inner compartment for holding calibration chart. Can also be used for BC-221, TS-174, TS-175, etc. Weight 15 lbs. NEW, Each..... \$395

**SPARE PARTS CHEST**  
used with BC-603, 683 BC-604, 684 This is a very useful spare parts chest, sturdily made, fine for storing tubes and parts. It is same size and shape as receivers two compartments. Size 7x11 1/2 x 11" NEW, Each..... 95¢

**WESTINGHOUSE RECTOX RECTIFIER**  
95 V. 1/2 amp. 11 x 3 1/2 x 4". Each, NEW \$250

**COUNTER**  
Geared 3-digit counter, reversible. Overall size: 3-3/8" x 1 1/2" square. NEW, each..... 99¢

**COUNTER**  
5 place counter one-way. Overall 1 1/2" x 1 1/2". Each..... 44¢

**VEEDER-ROOT COUNTER**  
3-digit counter. Brand new, Each..... 77¢

**FTR MINIATURE CHOKE**  
Hermetically sealed, rated 2 henrys at 130 Ma. Size 2 3/4" high x 1 1/4" wide x 1" deep. SPECIAL BUY! NEW, Each..... 29¢  
10 for \$2.40 100 for \$14.00

**PHONE PATCH TRANSFORMER**  
Type C-161  
SPECIAL BUY! Excellent Used..... \$195

**MR-15A CRANK DRIVE ANTENNA CONTROL**  
Used with Azimuth Indicator Units MN-22 and MN-40 to control loop antennas MN-20 and MN-24. Shpg Wt 2 lbs. NEW..... \$345

**MN-52 DIRECTION FINDER LOOP CONTROL**  
For manual turning of loop with crank an by use of flexible shaft. Has 0-360 dial, grain-of-wheat lamp, switch and crank. NEW, each..... \$175

**ALTITUDE LIMIT SWITCH**  
CONVERTS TO A RESISTANCE DECADE BOX! SA-1/ARN-1. Sig. Corps. 2-gang wafer switch with 11 positions and fourteen 2500-ohm 2-watt resistors. Convertible to resistance box from 0 to 20,000 ohms or excellent audio attenuator for low-impedance circuits. Large black pointer knob, clear dial calibrated from 50 to 300 in 11 steps of 25 units each. Complete with aluminum cover and Cannon plug mounted on rear. Overall size is 5x3 1/2 x 3 1/2" Shpg wt 4 lbs. EACH, NEW..... \$250

**VICTOREEN RADIATION DETECTOR (DOSIMETER)**  
Model 506 BRAND NEW..... \$185

**FEED THRU INSULATOR**  
Ceramic feed thru insulator. Each half is 1 3/8" dia., x 1-1/8" high. Flanged to fit 1 1/4" hole, 2-3/8" overall length. 1/2-20 threaded rod 5" long. 3 nuts on each end. NEW, each..... 15¢  
100 for..... \$12.50

**FULL WAVE SELENIUM RECTIFIER**  
Rated 110 volts at 150 Ma. NEW, Each..... 22¢  
5 for..... \$1.00

**G. E. MAZDA LAMP BULBS**  
6 Volt Auto Light Style #1045  
Rated 5 Amps at 5.9 V. Pre-focussed base with slotted collar. Individually G. E. sleeved and packed ten to the original carton. NEW, per bulb..... 41¢

**VOLTAGE REGULATOR**  
INPUT: 21 to 30 volts DC at 5 A. Regulation 18 to 30 volts DC. Overall size 4" x 3" Wt. 3 lbs. NEW, Each..... 99¢  
4 for..... \$3.50

**MOTOR DRIVEN COAXIAL SWITCH**  
Designed for use in RF circuits where constant impedance characteristics must be maintained and rapid change of circuits by remote control is desired. Specifications: 50 ohms impedance. Usable up to 11,000 Mc. Low insertion loss. Low VSWR. High isolation between channels. Type "N" connectors. High reliability. 28 V DC. Max. diameter 3". Overall length 7 1/2". Shpg wt 4 lbs. Excellent Used..... \$750

**2-METER ASSEMBLY**  
For Novice or Technician  
Complete front end from BC-624 receiver. Set to cover frequencies from 100 to 156 Mc. Includes: 1 3-gang variable condenser; 1 2-gang variable condenser, 5 slug-tuned condensers 4 coil sets, 4 tube sockets (7-pin) numerous mica condensers, resistors. Size: 5x5x5". Ideal for building custom 2-meter receivers, transmitters, test equipment - eliminates all the hard work, such as coil winding, etc. Shpg wt 6 lbs. NEW, Each..... \$795

**HEAVY DUTY KNIFE SWITCHES**  
Excellent switches for antenna switching or in circuits where high voltage or high currents are encountered. Ceramic pillars 2 1/2" high. S.P.D.T. Each..... 69¢  
D.P.D.T. Each..... 99¢  
3 P.D.T. Each..... \$125

**WOBBULATOR**  
(Electro-Mechanical Frequency Shifter)  
Radio Altimeter FM Generator Frequency Shifter. High quality alnico magnet cylinder 2 1/2" OD x 1-1/16" long, 1 1/2" I.D. weighing 10 oz., with removable soft iron poles which close the magnetic circuit of a standard loudspeaker type voice coil. As voice coil is energized with AC the diaphragm alters capacity coupling. Wonderful for experiments with a powerful magnetic field in a cylinder magnet. You can make a sweep-signal generator with this voice-coil driven variable capacitor! Shpg wt 3 lbs. NEW, each..... \$295





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**TEST SETS**

**RANGE CALIBRATOR  
TS-10/APN**



for servicing airborne altimeters. Checks sensitivity tuning, antenna systems, calibration and limit calibration. Freq.

Range: 410-470 Mc. Includes plugs & cables.  
NEW..... **\$16<sup>95</sup>**

**AMPLIFIER ALIGNMENT  
UNIT TS-92 /AP**



Portable test equipment, used in readjusting response curve of broadband amplifiers.

Frequency Range: 15 to 500 Mc. Operates on 115 V AC. Complete with 7 tubes.  
Excellent Used..... **\$21<sup>50</sup>**

**PICK-UP ASSEMBLY  
TS-131/AP**



Test unit, indicates relative output of airborne transmitting antenna. Range 20 to 1000 Mc. Complete,  
Brand New..... **\$4<sup>95</sup>**

**SIGNAL GENERATOR  
TS-251**



Portable, for pre-flight and shipboard checking of Loran receivers. Operates on 80, 115 or 230 V, 50 to 1600 cy. AC. Range 1700 to 2010 Kc., pulse emission. Exc. Used.... **\$99<sup>50</sup>**

**RANGE CALIBRATOR  
TS-293 /CPA-5**



Portable, used in calibrating and adjusting range measuring circuits of radar apparatus. Operates on 115 V 60 cy. AC. Crystal freq. 186, 3 Kc. Complete with 10 tubes,  
NEW..... **\$42<sup>50</sup>**

**TEST UNIT  
TS-16**



Portable, self-contained, for checking altimeter counter & indicator circuits. Freq. read directly in Mc from rotary dial. Power input 27 to 28 V DC. Includes meter for line voltage.

Brand New..... **\$14<sup>95</sup>**

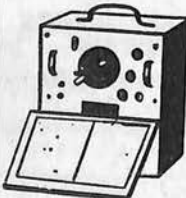
**WAVEMETER LAVOIE  
TYPE 105**



VHF 2-tube battery operated. Measures 375 to 725 Mc. tunable. Complete with

0-200 microamp meter in wood carrying case, with calibration charts.  
Excellent Used..... **\$44<sup>50</sup>**

**FREQUENCY METER  
BC-221**



Exc. Used  
Checked Out  
Unmodulated  
.... **\$79<sup>50</sup>**

Modulated  
... \$129.50

Accurate, reliable crystal-calibrated frequency-indicating instrument for 125 to 20,000 Kc. range. Also useful as signal generator or VFO. Complete with tubes, calibration book. Checked Out.

1000 Kc Crystal for above \$5.50

**TS-173/UR FREQUENCY METER**

For calibration of transmitters, oscillators, signal generators, etc. Range 90 to 450 Mc. Checked out, complete,  
Excellent Used..... **\$149<sup>50</sup>**

**TS-175/U FREQUENCY METER**

Portable, crystal-controlled, heterodyne type, for field testing of CW, MCW RF transmitters and signal generators. Range 85 to 1000 Mc. Complete with tubes, crystal, calibration book. Checked out,  
Excellent Used..... **\$149<sup>50</sup>**

**TEST SET IE-36**



For bench test of SCR-522 etc. Checks starting and stopping mechanisms, channel selection, switching, etc. Includes

instruction manual. Sturdy Carrying Case.  
Brand New..... **\$5<sup>95</sup>**

**TEST SET**



**TS-110 /AP**

Portable ringing cavity resonator, measures power output of radar transmitters, spectrum analyses, power level & freq. of radar-receiver local oscillators, frequency of CW MCW, pulsed RF Xmitters, detects multiple moding of magnetrons, recovery speed of radar TR boxes and revrs, receiver sig. to noise ratio. Range 2400 to 2700 Mc. Exc. Used ... **\$24<sup>50</sup>**

**TEST OSCILLATOR**



**TS-170 /ARN-5**

Portable, battery-operated, crystal-controlled. Checks receiver sensitivity and audio channels.

3 pre-selected frequencies: 332.6 Mc., 338.8 Mc., 335 Mc.  
Excellent Used..... **\$14<sup>95</sup>**

**SIGNAL GENERATOR**



**I-222-B**

Excellent Used..

**\$29<sup>50</sup>**

Portable unit for checking freq. output of transmitters, aligning receivers. Range: 8 to 15 Mc., 45 to 76 Mc., 135 to 230 Mc. CW, 115 V 60 cy. operation. Complete with 6 tubes.

**COMPUTER TEST SET**



**TS-667 /AP**

Portable, for testing and adjusting ground position indicators. Operates on 26.5 V .5 A DC. Range 0-.35 V RMS, 400 cy. AC 0 to 400 V DC. Complete, **\$21<sup>50</sup>**  
Brand New.....

**TEST SET  
TS-41 /CRN-1**



For operating test and maintenance of radio transmitters.

Measures frequency, battery volts & amps, antenna current. Range 1400 to 1750 Mc. CW,  
MCW. Like New..... **\$12<sup>95</sup>**

**WAVEMETER**

**TS-111 /CP**



Brand New

**\$89<sup>50</sup>**

Portable, adsorption type, for measuring freq. of CW, MCW or pulsed S-band ground radar beacons. Range 2500 to 3750 Mc.

**I-223 RANGE  
CALIBRATOR**

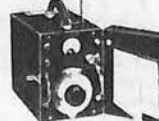


Brand New

**\$24<sup>50</sup>**

Calibrates, checks and adjusts range measuring circuits of pulse operated radar apparatus. Signal outputs: Sine wave 163.94 Kc; Sinc Pulse 240 pps. Pos. pulse 163, 940 pps, 1 usec wide. Complete with 8 tubes.

**FREQUENCY METER**



**BC-906**

NEW

**\$12<sup>95</sup>**

Portable absorption type meter for determining frequency of CW MCW or pulsed radar transmitters and local osc. Also for calibrating, aligning and checking sensitivity of receivers. Battery operated: 1.5V, 45 V DC. Range 150 to 234 Mc.

**SIGNAL GENERATOR**



**TS-155C /UP**

Brand New

**\$69<sup>50</sup>**

Portable, general purpose, checks overall system performance, receiver sensitivity, power output of xmitters, Supplies sync trigger pulses. Complete. RF wattmeter included.