



Excellent performance at low cost

\$255<sup>00</sup>  
Amateur Net

**2-C**  
RECEIVER

• Triple Conversion • Crystal-controlled First Converter • 500 kc ranges for 80, 40, 20, 15 and 10 Meters • Also any 500 kc range between 3.0 mc and 30 mc by inserting an accessory Crystal • Temperature-compensated VFO Tuning • Selectable Sidebands without retuning • Three Bandwidths—4, 2.4, 4.8 kc at 6 db • Solid-state Audio, Product and AM Detectors, AVC Amp and Xtal Osc • AVC Switch (Fast, Slow and Off) • SSB, AM and CW with AVC and S-meter • Works Break-in CW with 2-NT Xmtr • 19 Tubes and Semi-Conductors • Dimensions: 11<sup>1</sup>/<sub>16</sub>" W x 6<sup>3</sup>/<sub>32</sub>" H x 9<sup>3</sup>/<sub>32</sub>" D. Wt.: 13<sup>1</sup>/<sub>2</sub> lbs.

Accessories available: 100 kc Calibrator, Q Multiplier, Matching Speaker, Noise Blanker, Crystals for other ranges.



Direct Frequency Dialing

**SW-4A**

International Short Wave Broadcast RECEIVER

• Ultra-precision tuning dial accuracy • Also accurately tunes standard AM Broadcast • Crystal lattice filter for adjacent station rejection and good audio frequency response • Dual conversion • Solid state AF output gives low distortion good frequency response • S-meter for signal strength indication • Preselector gives superior sensitivity by peaking antenna and RF stages • Crystal H. F. Oscillator for exceptional stability on all ranges • Amplified AVC—gives constant AF output for all signal strengths.

**FREQUENCY COVERAGE**—15-5, 5-1.0, 1.0-1.5, 6.0-6.5, 7.0-7.5, 9.5-10.0, 11.5-12.0, 15.0-15.5, 17.5-18.0, 21.5-22.0, and 25.5-26.0 megacycles with crystals supplied. These frequencies cover European LF, American MF and International SW Broadcast Bands. **SIZE**—5<sup>1</sup>/<sub>2</sub>" high, 10<sup>3</sup>/<sub>4</sub>" wide, cabinet depth 11<sup>5</sup>/<sub>16</sub>", overall 12<sup>1</sup>/<sub>4</sub>". **WT.**—16 lbs.

**\$299<sup>00</sup>**

**ACCESSORIES**—Models MS-4 Speaker \$19.95 and AL-4 Shielded Directional Loop Antenna for .5-1.5 MC \$19.95. Model AN-5 SW Antenna Kit \$8.00

Prices and specifications subject to change without notice.

## TVI MAY BE ELIMINATED WITH THESE DRAKE FILTERS



### TV-300-HP High Pass Filter

provides more than 40 db attenuation at 52 MC and lower. Protects the TV set from amateur transmitters 6 thru 160 meters.

**\$4.95**

### 88 to 108 MHz FM Filters

FM broadcast xmters cause much TVI, often blamed on radio amateurs. A Drake TV-300-FMS installed in TV antenna lead will clear up entire FM band; no adjustment. TV-300-FMI adjustable for superior attenuation of one frequency.



**TV-300-FMS**  
Band Stop  
**\$4.95**

**TV-300-FMI**  
Tunable Filter  
**\$4.95**

### Drake Amateur Low Pass Filters

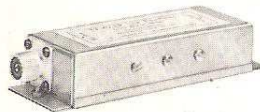
... have four pi sections for sharp cut-off between 6 meters and channel 2, and to attenuate xmtr harmonics falling in any TV channel and the FM band. 52-ohm.



**\$18.75**

### TV-1000-LP

rated 1000 watts input, 200 watts on 6 meters. SO-239 connectors built-in.



**\$7.65**

### TV-42-LP

is a four section filter designed with 43.2 MC cut-off and extremely high attenuation in all TV channels for citizens band and other transmitters 30 MC and lower. Rated 100 watts input. SO-239 connectors built-in.



**\$8.00**

### LN-4 Line Filter

Isolates transmitter or TV set from RF on power line. Attenuates 500 KHz to over 200 MHz. 125 VAC, 6 amps max.

*Condensed Catalog*

# DRAKE

*Equipment  
for Radio  
Communications*

**R. L. DRAKE COMPANY**

MIAMISBURG, OHIO 45342

WRITE FOR ADDITIONAL INFORMATION

# DRAKE 4 LINE Superior performance—versatility!



## R-4B RECEIVER

Versatility ...  
Accuracy ...  
Dependability ...

- Linear permeability tuned VFO with 1 kc dial divisions. VFO and crystal frequencies pre-mixed for all-band stability
- Covers ham bands 80, 40, 20, 15 meters completely and 28.5 to 29.0 Mc of 10 meters with crystals furnished
- Any ten 500 kc ranges between 1.5 and 30 Mc can be covered with accessory crystals for 160 meters, MARS, etc. (5.0-6.0 Mc not recommended)
- Four bandwidths of selectivity, 0.4 kc, 1.2 kc, 2.4 kc and 4.8 kc
- Passband tuning gives sideband selection, without retuning
- Noise blanker that works on CW, SSB, and AM is built-in
- Notch filter and 25 Kc crystal calibrator are built-in
- Product detector for SSB/CW, diode detector for AM
- Crystal Lattice Filter gives superior cross modulation and overload characteristics
- Solid State Permeability Tuned VFO • 10 tubes, 10 transistors, 17 diodes and 2 integrated circuits
- AVC for SSB or high-speed break-in CW
- Excellent Overload and Cross Modulation characteristics
- Dimensions: 5½"H, 10¾"W, 12¼"D. Wt.: 16 lbs.

**\$47500**



## T-4XB TRANSMITTER

Use VFO of either R-4B or T-4XB for transceiving or separately.

- Covers ham bands 80, 40, 20, 15 meters completely and 28.5 to 29.0 Mc of 10 meters with crystals furnished; MARS and other frequencies with accessory crystals, except 2.3-3, 5-6, 10.5-12 Mc.
- Upper and Lower Sideband on all frequencies
- Automatic Transmit Receive Switching on CW (semi break-in)
- Controlled Carrier Modulation for AM is completely compatible with SSB linear amplifiers
- VOX or PTT on SSB and AM built-in
- Adjustable Pi-Network Output
- Two 8-pole Crystal-Lattice Filters for sideband selection, 2.4 kc bandwidth
- Transmitting AGC prevents flat topping
- Shaped Grid Block Keying with side tone output
- 200 Watts PEP Input on SSB—200 watts input CW
- Meter indicates plate current and relative output
- Compact size; rugged construction
- Solid State Permeability Tuned VFO with 1 kc divisions
- Solid State HF Crystal Oscillator
- 11 Tubes, 3 Transistors and 12 diodes
- Dimensions: 5½"H, 10¾"W, 12¼"D. Wt.: 14 lbs.

**\$49500**



## L-4B LINEAR AMPLIFIER

Nothing halfway  
about the Drake

Built for continuous duty at full capacity

- 2000 Watts PEP-SSB; 1000 Watts AM, CW, RTTY
- Class B Grounded-Grid—two 3-500Z Tubes
- Broad Band Tuned-Input for low distortion, high efficiency
- RF Negative Feedback gives lower distortion
- Transmitting AGC for higher audio level without clipping
- Directional Wattmeter measures forward and reflected power
- Two Taut-band Suspension Meters
- Plate Current Meter time constant is consistent with FCC Regulations
- Solid state Power Supply is separate
- Quiet, low-velocity, high-volume Blower
- The simple uncomplicated circuitry, the rugged tubes and the massive construction assures long, trouble-free life
- L-4B 13½"W, 7¾"H, 14¾"D. Wt.: 32 lbs.
- Power Supply: 6¾"W, 7¾"H, 11"D; Wt.: 43 lbs.

The buy of a lifetime... to last a lifetime

**\$82500** including Power Supply



## C-4 STATION CONSOLE

Puts complete  
station control at  
operator's fingertips.

- 24 hour digital clock—lighted, shows correct time to the second
- Solid state resettable timer flashes light at identification intervals
- Station power control with eight 120 VAC and two 240 VAC receptacles, front panel controlled heavy duty power contractor
- Equipment control switch for changing exciters, rcvrs., etc.
- Directional RF wattmeter with 200 or 2000 W full scale
- Built-in rotor control for Ham-M
- Electronic phone patch gives const. xmtr input, works PTT, meets phone co. requirements
- Remote motor-driven coax switch selects from 5 antennas
- Dimens: 10¾" W x 5½" H x 12¼" D., Wt. 24 lbs.

**\$29995**

## Communication Station TR-44B

Consists of an R-4B Receiver and T-4B Transmitter in the same cabinet with a built-in speaker.

Less power supply and crystals **\$97500**  
Stacking Assembly only, for R-4B and  
T-4B (T-4XB) ..... \$16.50  
Mobile Mounting Kit..... MMK-44 \$15.00

## 4-LINE ACCESSORIES

Standard Crystals for T-4XB or R-4B ..... \$5.00  
Fixed Frequency Crystals ..... \$7.50  
AC Power Supply, Model AC-4 for T-4XB  
or T-4B (Can be housed in MS-4  
Speaker cabinet) ..... \$99.95

All prices are amateur net

## MATCHING NETWORKS



MN-4	MN-2000
\$99.00	\$195.00
200	2000
watts	watts
	PEP

General: • Integral Wattmeter reads forward power in watts and VSWR directly; can be calibrated to read reflected power
- Matches 50 ohm transmitter output to coax antenna feedline with VSWR of at least 5:1
- Covers ham bands 80 thru 10 meters
- Size: 5½"H, 10¾"W, 8"D (MN-2000, 14¾"D)
- Switches in or out with front panel switch.

- Continuous Duty Output: MN-4, 200 watts; MN-2000, 1000 watts (2000 watts PEP)
- MN-2000 only: Up to 3 antenna connectors selected by front panel switch.

Prices and specifications subject to change without notice.

SC-6 \$71.00  
for 6 meters

For **2** and **6** Meter  
**DRAKE FET  
CONVERTERS**

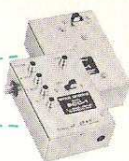
CPS-1 \$19.75  
Power Supply  
for SC-2 & SC-6



SC-2 \$76.00  
for 2 meters



CC-1 \$26.95  
Converter Console



SCC-1 \$26.95  
VHF Xtal  
Calibrator

**General, SC-2 and SC-6:** • Low noise • Improved cross modulation performance • Uniform gain across band • Entirely solid-state • Zener regulated crystal oscillator • Improved image rejection • Low spurious response.

**CPS-1** • Silicon diode bridge circuit.

**SCC-1** • Crystal controlled 100 KHz FET Oscillator • **Integrated circuit divider** gives 50 KHz markers up to 432 MHz.

**CC-1** • Has space for both 2 and 6 meter Converters, Power Supply, Crystal Calibrator and extra converter • **Switch position** permits receiver to be used direct • **Size:** 5 3/4" H, 10 3/4" W, 8"D.

### TRANSMITTING CONVERTERS



\*14 to 18 MHz IF

All switching from front panel • For any 20 M exciter or TR-6 • Osc injection from SC-2/6 • Xmit AGC • Plate cur & rel output meters • Built-in ant relay • 5 1/2" H x 7 5/8" W x 11 1/2" D, 9 lbs.

\*TC-2 Full 2-M band • 180 W \$300

\*TC-6 Full 6-M band • 300 W \$250



### RF WATTMETERS

**W-4** \$61.95 1.8-54 MHz  
**WV-4** \$73.50 20-200 MHz  
**CB** \$49.50 Citizens Band

Reads forward and reflected power directly in watts (VSWR from nomogram). Two scales in each direction. **Size:** 5 1/2" H x 3 3/4" W x 4" D.

Model	Full Scale	Calibration Accuracy
W-4	200 watts	±(5% of reading + 2 watts)
	2000 watts	±(5% of reading + 20 watts)
WV-4	100 watts	±(5% of reading + 1 watt)
	1000 watts	±(5% of reading + 10 watts)
CB	10 watts	±(5% of reading ± .1 watts)



**SPR-4** Solid State

### PROGRAMMABLE RECEIVER

The SPR-4 outperforms the best tube receiver, and has all advantages of solid state design... low power consumption, high stability and reliability. It is a general purpose rcvr, programable for any interest... SWL, Ham, lab, BC, marine, etc. • **Only FETs** in signal path • **Linear VFO** with 1 kHz readout • **Covers 150-500 kHz plus any 23 ranges (500 kHz wide), 500-30 MHz** • 10 ranges furnished, others \$5.00 each • **Coverage easily changed** • 3 band-widths: 0.4, 2.4 and 4.8 kHz for CW, SSB and AM • **Built-in sprk** • **Notch filter** • 115 or 220 VAC, or 12 VDC • **Dimens:** 10 3/4" W x 5 1/2" H x 12 1/4" D, **Wt.** 14 lbs. **\$499<sup>95</sup>**

**ACCESSORIES:** Noise Blanker, 100 kHz Calibrator, MS-4 Speaker, AL-4 Loop Antenna for .15-1.5 MHz, Transceive Adaptor (T-4XB), DC Power Cord, Crystals.



**2-NT**

**CW  
TRANSMITTER**

**Built-in essentials  
and accessories** **\$164<sup>00</sup>**

• **100 W Input** (reduces to 75 W for novice) • **Operates Break-in CW, Semi Break-in CW or Manual CW** with Drake 2-C or other rcvrs • **Auto xmit sw** • **Side Tone Oscillator** • **Antenna Change-over Relay** • **PI-Net** output with fixed loading • **TVI Lo Pass Filter** • **CW Coverage** on 80, 40, 20, 15, 10 Meters • **Simplified Tuning** • **Frequency Spotting** without xmt output • **Grid Block Keying** • **Code Practice** in stand-by • 13 Tubes and Semi-Conductors • **Dimens:** 9 7/8" W x 6 3/2" H x 9 3/2" D, **Wt.** 12 1/2 lbs. **Accessories:** Antenna Matching Network, and Crystals.



**Cardioid Microphone  
Model 729SRD \$17.00**

• Drake-modified EV 729SR for VOX or PTT with Drake Xmtrs • Hi-Z Ceramic Mike • Highly directional • **Dimen:** 8 1/4" H x 4" W x 4 1/2" D • **Wt.** 1 lb., incl. cable.

**Matching Speaker  
MS-4 \$22<sup>00</sup>**

5" x 7" heavy magnet speaker. Space for power supply. **Wt.** 6 lbs. **Size:** 5 3/8" H, 10 3/4" W, 11 1/2" D.



**ML-2  
VHF-FM  
TRANSCEIVER**

### General

• **Frequency Coverage**, 144-148 MHz • **12 Channels**, 3 supplied: Channel 1 Rcv 146.94 MHz, Xmit 146.34 MHz; Channel 2 Simplex 146.94 MHz; Channel 3 Rcv 146.76 MHz, Xmit 146.34 MHz • **Frequency Modulation** • **Transmitter control** Push-to-Talk • **Power Drain** AC: Rcv 6 Watts, Xmit 50 Watts; DC: Rcv 0.5 Amps, Xmit 4 Amps • **Power Source** AC: 117 Volts 50-60 Hz, DC: 13.5 Volts ± 10% • **Size:** 7 7/8" W x 2 3/4" H x 10 1/4" D. • **Wt:** 8 1/4 lbs. • **Standard Accessories** Dynamic Microphone, 1/4 wave Hustler Antenna, Antenna Connector Plug, AC/DC Cord, Speaker Plug.

### Transmitter

Transistorized with 6360 output tube • **RF Output Power** Greater than 10 Watts • **Frequency Deviation** Adjustable to 15 kHz maximum • **Frequency Stability** ±.001% or less • **Spurious Radiation** Greater than—80 dB below Carrier • **Output impedance** 50 ohms.

### Receiver

Completely transistorized • **Receiver Circuit** Crystal-controlled Double Conversion Superheterodyne • **Intermediate Frequencies** 1st 10.7 MHz, 2nd 455 kHz • **Input Impedance** 50 to 75 Ohms • **Sensitivity** 0.5 µV or less for 20 dB quieting; 1 µV or less (30 dB S+N/N ratio at 10 kHz deviation with 1 kHz modulation) • **Spurious Sensitivity** Greater than —60 dB. • **Audio Output** 0.5 Watt with 10% or less distortion.

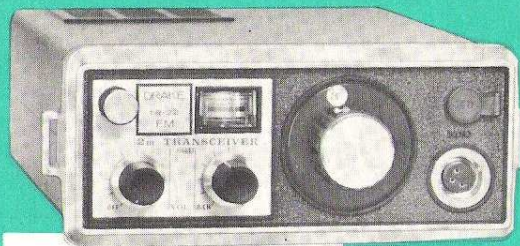
**COMPLETE  
PACKAGE**

**\$329<sup>95</sup>**

Includes transceiver, three channels supplied, mobile mount, microphone, coax cable, quarter-wave antenna, and built-in AC-DC power supply.

**Accessory Crystals** .....\$5.00  
**Accessory Antenna, Model BBLT-144D**...\$27.95  
3.4 dB gain, quick-mount, with coax.

## Versatility plus



### TR-22 2-METER FM TRANSCIVER

*in the field  
in the car  
in the home*

Completely transistorized, compact, portable 2-meter VHF-FM transceiver with capacity for six channels can be used over the shoulder, mobile, or in your home. Built-in telescoping antenna, and SO-239 connector for external antenna. Works barefoot or with accessory two-way amplifier. Uses external 12 VDC or internal rechargeable ni-cad batteries. Built-in 120 VAC 50-60 Hz battery charger.

**GENERAL** • Frequency Coverage: 144-148 MHz • 6 channels, 3 supplied: (1) Rcv.: 146.94 MHz, Xmit: 146.34 MHz; (2) Simplex: 146.94 MHz; (3) Rcv. 146.76 MHz, Xmit: 146.34 MHz • Frequency modulation • Push-to-talk Xmtr Control • DC Power Drain: Rcv: 45 mA, Xmit: 450 mA • Power Source: 12 VDC  $\pm$  20%; 120 VAC 50-60 Hz (for recharging nickel cadmium batteries only.) • Size: 5 $\frac{1}{2}$ " x 2 $\frac{3}{4}$ " x 7 $\frac{1}{4}$ ", Wt.: 3 $\frac{3}{4}$  lbs.

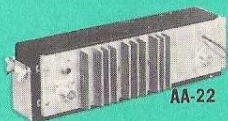
**RECEIVER** • Completely transistorized crystal controlled double conversion superheterodyne circuit. • 1st IF 10.7 MHz • 2nd IF 455 KHz • Antenna Input Impedance: 50 ohms • Sensitivity: 0.5 microvolt or less for 20 dB quieting • Audio Output: 0.7 watt at 10% or less distortion • Built-in speaker.

**TRANSMITTER** • RF Output Power over 1 watt • Frequency Deviation adjustable to 15 kHz maximum; factory set to 5 kHz.

**PRICE INCLUDES:** Dynamic Mike, Over-the-Shoulder Carrying Case, 120 VAC and 12 VDC Cords, Speaker/Headphone Plug, and 10 ni-cad Batteries.

# \$199<sup>95</sup>

### Accessories



**Model AA-22 Accessory Amplifier.** Improves receiver sensitivity and rejection of undesired signals. Provides at least 25 watts output with  $\frac{1}{2}$  to 3 watts drive. Fully automatic. \$149.95.

Accessory Crystals ..... \$7.50  
Model MMK-22 Mobile Mount for TR-22 ..... \$6.95  
Model BBLT-144D — Accessory Antenna, 3.4 dB gain, quick-mount, with coax ..... \$27.95



### TR-4 SIDE BAND TRANSCIVER

**GENERAL:** • All amateur bands 10 thru 80 meters in seven 600 kc ranges • Solid State VFO with 1 kc dial divisions • Modes SSB Upper and Lower, CW and AM • Built-in Sidetone and automatic T/R switching on CW • 30 tubes and semi-conductors • Dimensions: 5 $\frac{1}{2}$ "H, 10 $\frac{3}{4}$ " W, 14 $\frac{3}{8}$ "D. Wt.: 16 lbs.

**TRANSMIT:** • VOX or PTT on SSB or AM • Input Power: SSB, 300 watts P.E.P.; AM, 260 watts P.E.P. controlled carrier compatible with SSB linears; CW, 260 watts • Adjustable pi-network.

**RECEIVE:** • Sensitivity better than  $\frac{1}{2}$  uV for 10 db S/N • I.F. Selectivity 2.1 KHz @ 6 dB, 3.6 KHz @ 60 dB. • AGC full on receive modes, variable with RF gain control, fast attack and slow release with noise pulse suppression • Diode Detector for AM reception.

**\$599<sup>95</sup>** 34-PNB Plug-in Accessory Noise Blanker \$100.00



### TR-6 SIDE BAND TRANSCIVER

**GENERAL:** • Full coverage of 6 meter band plus MARS 49.4 to 54.0 MHz (49.9 to 51.0 MHz with crystals supplied) • Solid State VFO with 1 kHz dial divisions • USB-AM-CW (LSB Filter is available) • Built-in sidetone and automatic T/R switching on CW • 19 tubes, 13 transistors, 12 diodes • 5 $\frac{1}{4}$ "H, 10 $\frac{3}{4}$ "W, 14 $\frac{1}{4}$ "D. Wt.: 15 $\frac{1}{4}$  lbs.

**TRANSMIT:** • VOX or PTT on SSB and AM • Input Power: 300 watts PEP on SSB, 260 watts CW • Adjustable pi-network • Plate/relative output and AGC metering

**RECEIVE:** • FET front end, less than 1/10 uV for 10 dB S/N • Selectivity 2.4 kHz at 6 dB, front panel switching for accessory filters (CW, AM, LSB) • Diode and product detectors switchable from front panel • Fast attack, fast/slow release AVC system (switchable) • S-Meter • IF input/output jacks and internal switching for use with 2 meter transverters provided.

**\$650<sup>00</sup>** Including Noise Blanker

### ACCESSORIES FOR TR-4 AND TR-6

MMK-3 Mobile Mounting Kit ..... \$ 6.95  
MS-4 Matching Speaker ..... \$22.00  
RV-4 Remote VFO for TR-4 ..... \$110.00  
RV-6 Remote VFO for TR-6 ..... \$110.00  
Remote VFO's permit rcvg, xmtg or xcvg on separate frequency in same band as xcvr.  
Power Supplies AC-4 ..... \$ 99.95  
DC-4 ..... \$125.00

FF-1 Fixed Frequency Adapter ..... \$ 46.95  
Crystal Control Unit plugs into and sits under TR 4/6. Gives two channels in ham bands.

9NB Noise Blanker for TR-6 ..... \$ 95.00  
34PNB Noise Blanker for TR-4 ..... \$100.00

### 34-NB

### Noise Blanker Kit for TR-3 and TR-4

Mutes receiver for duration of noise pulse, full gain restored between pulses • most effective against ignition and similar noise • solid state • 9NB PC Bd. (17 transistors, 4 diodes) ...

**\$129<sup>00</sup>**



### MC-4 Mobile Console

Combines speaker/baffle system with precision wattmeter • Ceremag spkr best for speech • Mounts over or under transceiver • 1.8-54 MHz • 300 W fwd or refl • 10 $\frac{3}{4}$ " W x 3 $\frac{1}{2}$ " H x 3" D • 3 lbs.

**\$69<sup>00</sup>**