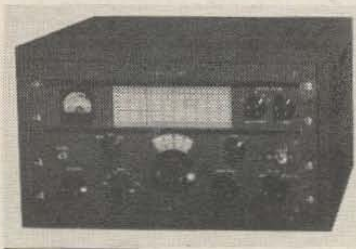


# RECEIVER

## BUYING GUIDE

*We sure hope that you'll get a lot of use out of this guide. The brainstorm, if you like the idea, started with the editor back one year ago. This was then transferred to Roy Pafenberg W4WKM who did the immense amount of research necessary. Most manufacturers cooperated on the project, but it took a couple of them almost a full year to blast loose with photos of their receivers and some of the other data. We want to thank Allied Radio Corporation of Chicago, Henry Radio Stores of Los Angeles, Evans Radio of Concord, and World Radio Laboratories of Council Bluffs for their cooperation in giving us the dealer prices on the used receivers. These prices will vary somewhat as a result of supply, demand and condition of a particular receiver, of course.*

### Collins 75A-1



1947-1950

Frequency Coverage: 80, 40, 20, 15, 11, and 10 meter amateur bands.

Specifications: 13 tubes plus rectifier; selectivity adjustable from .2 to 4 kc at 6 db down; sensitivity of 1 microvolt for 10 db S/N ratio.

Special Features: Dual conversion superhet with crystal controlled 1st oscillator and tunable 1st if; PTO oscillator-slug rack tuning of 1st if to provide direct reading calibration on all bands; variable selectivity crystal filter; noise limiter; S-Meter; amplified AVC; noise limiter and receive-standby switch.

Last Amateur Net Price: \$375.00 including speaker.  
Current Used Price: \$240.00

### Collins 75A-2



1950-1953

Frequency Coverage: 160, 80, 40, 20, 15, 11 and 10 meter amateur bands.

Specifications: 14 tubes plus rectifier; antenna input impedance of 50 to 150 ohms dependent on frequency, balanced or unbalanced input; selectivity of 2.4 kc at 6 db down and 10.5 kc at 60 db down in "broad" position; selectivity of .2 kc at 6 db down and 4.6 kc at 60 db down in "narrow" position.

Special Features: Dual conversion superhet with crystal controlled 1st oscillator and tunable 1st if; PTO oscillator-slug rack tuning of 1st if to provide direct reading calibration on all bands; variable selectivity crystal filter; noise limiter; antenna trimmer; S-Meter; amplified AVC; provisions for optional crystal calibrator and NBFM adaptor; front panel calibration corrector; receive-standby switch.

Last Amateur Net Price: \$440.00  
Current Used Price: \$295.00

### Collins 75A-4



1955-1959

Frequency Coverage: 160, 80, 40, 20, 15, 11 and 10 meter amateur bands.

Specifications: 20 tubes plus regulator and rectifier; sensitivity of 1.0 microvolt for 10 db S/N ratio at 3 kc; selectivity of 3.1 kc with mechanical filter supplied, optional 0.5, 1.5, 2.1, 4.0, and 6.0 kc available; calibration accuracy of 0.3 kc; image rejection of greater than 50 db; audio output of .75 watts into external 4 or 500 ohm loads.

Special Features: Dual conversion superhet with crystal controlled 1st oscillator and tunable 1st if; PTO unit and slug rack tuning used to provide direct reading calibration on all bands; passband tuning; Q-Multiplier; product detector for CW-SSB reception; crystal calibrator with front panel corrector; selectable AGC time constant; separate AGC if stage and detector; noise limiter antenna trimmer and S-Meter.

Dimensions: 17 1/4" x 10 1/2" x 15 1/2" deep.

Weight: 35 pounds.

Last Amateur Net Price: \$790.00

Current Used Price: \$495.00 and up.

### Collins 75S-1

1958-Still Marketed

Frequency Coverage: Any 14, 200 kc bands between 3.4 and 30.0 mc. 12 crystals supplied cover 80, 40, 20, 15 and 28.5 to 28.7 portion of the 10 meter band, plus 15 mc WWV.

Specifications: 12 tubes plus selenium diode and 2 silicon rectifiers; 50 ohm antenna input; 2955 to 3155 tunable if, 455 kc fixed if; SSB selectivity is 2.1 kc at 6 db down, CW selectivity is 0.5 kc at 6 db down and am selectivity is 4.5 kc at 6 db down, 25 kc at 60 db down; sensitivity is 1 microvolt for 15 db signal to noise ratio for SSB operation; 4 ohm speaker output plus 500 ohm VOX output; draws 90 watts from 105-125 v, 50/60 cycle ac line.

Special Features: Dual conversion superhet with crystal controlled 1st oscillator and bandpass 1st if; PTO 2nd oscillator; SSB filter supplied and if transformer selectivity used for am reception; optional CW and am filters are available. Filters are miniature Collins mechanical filters; product detector for CW/SSB reception; selectable sideband reception using crystal controlled BFO; S-Meter; muting and control system for integration with 32S-1 transmitter.

Dimensions: 6 7/8 x 14 1/2" x 11 5/8" deep.

Weight: 25 pounds.

Last Amateur Net Price: \$525.00.

Current Used Price: \$380.00 and up.

### Drake I-A



1957-1960

Frequency Coverage: (1) 3.5 to 4.1 mc. (2) 7.0 to 7.6 mc. (3) 14.0 to 14.6 mc. (4) 21.0 to 21.6 mc. (5) 28.0 to 28.6 mc. (6) 28.5 to 29.1 mc. (7) 29.1 to 29.7 mc. (8) WWV-10 mc.

Specifications: 12 tubes plus rectifier; 50-75 ohm antenna input; 2.9-3.5 mc tunable if, 50 and 1100 kc fixed if; sensitivity of less than 1 microvolt for 20 db S/N ratio; selectivity of 2.5 kc at 6 db down and 8.1 kc at 60 db down; draws 50 watts from 115 v, 60 cycle ac line.

Special Features: Internal PM speaker, triple conversion superhet with bandpass tuning, crystal controlled first oscillator, crystal calibrator, antenna attenuator, antenna trimmer, product detector for SSB, CW and AM reception, S-Meter, amplified AVC and muting terminals.

Dimensions: 6 3/4" x 11" x 15" deep.

Weight: 18 pounds.

Last Amateur Net Price: \$299.95.

Current Used Price: \$189.00.

### Drake 2-A



1960-1961

Frequency Coverage: Any 12, 600 kc bands between 3.5 and 30.0 mc with optional crystals. Crystals supplied for (1) 3.5 to 4.1 mc. (2) 6.9 to 7.5 mc. (3) 13.9 to 14.5 mc. (4) 20.9 to 21.5 mc. (5) 28.5 to 29.1 mc.

Specifications: 9 tubes plus rectifier and crystal diode; 50-75 ohm unbalanced antenna input; 3.5-4.1 mc tunable if, 50 and 455 kc fixed if; sensitivity of less than 0.5 microvolt for 10 db S/N ratio; selectivity of 2.4 kc at 6 db down and 8.5 kc at 60 db down or 4.8 kc at 6 db down and 23 kc at 60 db down; draws 40 watts from 120 v, 60 cycle ac line.

Special Features: Triple conversion superhet with adjustable bandwidth and bandpass tuning, crystal controlled first oscillator, optional crystal calibrator, selectable side-band product detector for SSB, CW and AM plus diode detector for CW and AM reception, S-Meter, amplified and delayed AVC, muting and VOX terminals.

Dimensions: 12" x 7" x 9" deep.

Weight: 14.5 pounds.

Last Amateur Net Price: \$269.95.

Current Used Price: \$210.00.

### Drake 2-B



### 1961-Still Marketed

Frequency Coverage: Any 12, 600 kc bands between 3.5 and 30.0 mc with optional crystals. Crystals supplied for (1) 3.5 to 4.1 mc. (2) 6.9 to 7.5 mc. (3) 13.9 to 14.5 mc. (4) 20.9 to 21.5 mc. (5) 28.5 to 29.1 mc.

Specifications: 9 tubes plus rectifier; 50-75 ohm unbalanced antenna input; 3.5-4.1 mc tunable if, 50 and 455 kc fixed if; sensitivity of less than 0.5 microvolt for 10 db S/N ratio; selectivity of 0.5 kc at 6 db down and 2.75 kc at 60 db down, 2.1 kc at 6 db down and 7.5 kc at 60 db down or 3.6 kc at 6 db down and 10.5 kc at 60 db down; draws 40 watts from 120 v, 60 cycle ac line.

Special Features: Triple conversion superhet with adjustable bandwidth and bandpass tuning, crystal controlled first oscillator, optional crystal calibrator, selectable side-band product detector for SSB, CW and AM plus diode detector for CW and AM reception, S-Meter, noise limiter, amplified and delayed AVC with adjustable time constant, Q multiplier socket, muting and VOX terminals.

Accessories: Model 2-AQ Q-Multiplier and Deluxe Speaker. Model 2-AC Crystal Calibrator.

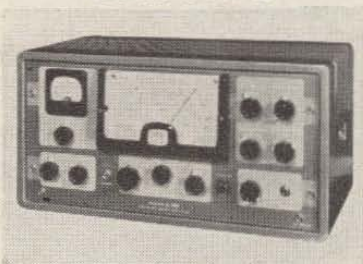
Dimensions: 12" x 7" x 9" deep.

Weight: 14.5 pounds.

Last Amateur Net Price: \$279.95.

Current Used Price: 2-B Receiver \$222.00

### Geloso G-209-R



1959-Still Marketed

Frequency Coverage: Amateur bands, 80 through 10 meters plus 11 meter band. Specifications: 12 tubes plus filament regulator, voltage regulator and semiconductor power supply; balanced or unbalanced antenna input; 467 and 4,600 kc if frequencies; 3.2 and 500 ohm audio output into external speaker; draws 90 watts from 110/125/140/160/220 v, 50/60 cycle ac line.

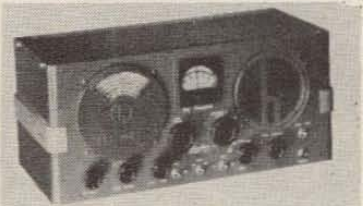
Special Features: Double conversion superhet; crystal filter; crystal controlled 2nd conversion oscillator with selectable side-band feature; separate product detector for CW/SSB reception; S-Meter; crystal calibrator; noise limiter; receive-standby switch.

Dimensions: 10" x 20" x 10 1/4" deep.

Last Amateur Net Price: \$299.50

Current Used Price: \$139.00

### Hallicrafters S-20R



1939-1945

Frequency Coverage: .55 to 44.0 mc; (1) .55 to 1.78 mc. (2) 1.74 to 5.4 mc. (3) 5.3 to 15.8 mc. (4) 15.5 to 44.0 mc.

Specifications: 8 tubes plus rectifier; 400 ohms balanced or unbalanced antenna input; 455 kc if; draws 65 watts from 117v, 50/60 cycle ac line.

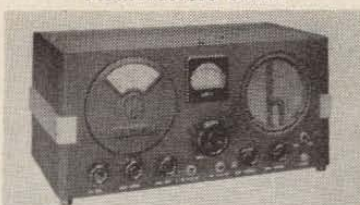
Special Features: Internal speaker, electrical vandspread, tone control, S-Meter receptacle, noise limiter and accessory receptacle.

Remarks: Available on surplus market following WW II.

Last Amateur Net Price: \$60.00

Current Used Price: \$25.00

### Hallicrafters S-22R



1940- ----

Frequency Coverage: 110 to 1500 kc and 1.7 to 18.0 mc; (1) 110 to 410 kc. (2) 400 to 1500 kc. (3) 1.7 to 5.9 mc. (4) 5.3 to 18.0 mc.

Specifications: 7 tubes plus rectifier; 400 ohms balanced or unbalanced antenna input; 1600 kc if; draws 50 watts from 110-125 v, 50/60 cycle ac line.

Special Features: Internal speaker, electrical bandspread and tone control.

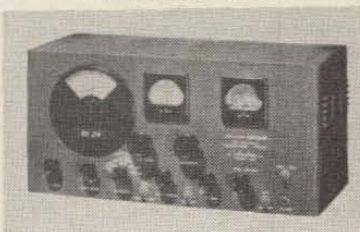
Dimensions: 18 1/2" x 8 1/2" x 9 1/4" deep.

Remarks: Available on surplus market following WW II.

Last Amateur Net Price: \$74.50.

Current Used Price: \$27.50.

### Hallicrafters SX-24



1939- ----

Frequency Coverage: .54 to 43.5 mc; (1) .54 to 1.73 mc. (2) 1.7 to 5.1 mc. (3) 5.0 to 15.7 mc. (4) 15.2 to 43.5 mc.

Specifications: 8 tubes plus rectifier; 400 ohms balanced or unbalanced antenna input; 455 kc if; 500 and 5000 ohm audio output to external speaker; draws 70 watts from 100-125 v, 60 cycle ac line.

Special Features: Calibrated electrical bandspread, crystal filter, tone control, S-Meter, noise limiter and accessory socket.

Last Amateur Net Price: \$74.00.

Current Used Price: \$49.00.

### Hallicrafters SX-25



1940-1945

Frequency Coverage: .54 to 42.0 mc; (1) .54 to 1.7 mc. (2) 1.7 to 5.1 mc. (3) 5.0 to 15.7 mc. (4) 15.2 to 42.0 mc.

Specifications: 11 tubes plus rectifier; 400 ohm balanced or unbalanced antenna input; 455 kc if; 500 and 5000 ohm audio output to external speaker; draws 120 watts from 115 v, 60 cycle ac line.

Special Features: Calibrated electrical bandspread, crystal filter, tone control, S-Meter and noise limiter.

Remarks: Available on surplus market following WW II.

Last Amateur Net Price: \$94.50.

Current Used Price: \$55.00.

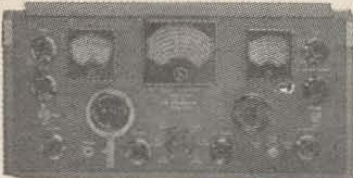
### Hallicrafters S-27



1940-1942

Frequency Coverage: 27.5 to 145.0 mc; (1) 27.5 to 47.0 mc. (2) 46.0 to 82.0 mc. (3) 82.0 to 145.0 mc.  
 Power Consumption: Draws 115 watts from 115 v, 50/60 cycle ac line.  
 Remarks: See S-36 for further details. Available on surplus market following WW II.  
 Last Amateur Net Price: \$195.00.  
 Current Used Price: \$60.00.

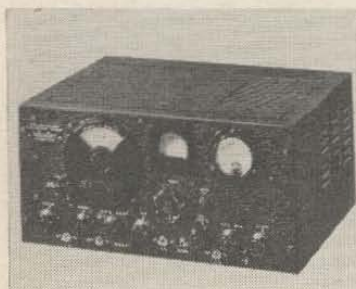
### Hallicrafters SX-28 & A



1941-1944

Frequency Coverage: .55 to 43.0 mc; (1) .55 to 1.6 mc. (2) 1.6 to 3.0 mc. (3) 3.0 to 5.8 mc. (4) 5.8 to 11.0 mc. (5) 11.0 to 21.0 mc. (6) 21.0 to 43.0 mc.  
 Specifications: 14 tubes plus rectifier; 400 ohms balanced or unbalanced antenna input; 455 kc if; sensitivity of 6 to 20 microvolts over range of receiver for 500 mw audio output; selectivity of 12 kc at 2X down, 36 kc at 1000X down in broad position and 4.1 kc at 2X down, 22 kc at 1000X down in sharp position; audio power output of 8 watts into 500 or 5000 ohm load; draws 138 watts from 117 v, 60 cycle ac line.  
 Special Features: Calibrated electrical bandspread, crystal filter, phono input, tone control, S-Meter, noise limiter, antenna trimmer and external power supply receptacle.  
 Dimensions: 20 1/2" x 10" x 14 3/4" deep.  
 Weight: 75 pounds.  
 Remarks: SX-28A was government version using improved parts and layout. Both models were available on the surplus market following WW II.  
 Last Amateur Net Price:  
 SX-28.....\$179.50.  
 SX-28A.....\$223.00.  
 Current Used Price:  
 SX-28.....\$75.00.  
 SX-28A.....\$85.00.

### Hallicrafters S-36



1942-1944

Frequency Coverage: 27.8 to 143 mc; (1) 27.8 to 47.0 mc. (2) 46.0 to 82.0 mc. (3) 82.0 to 143.0 mc.  
 Specifications: 13 tubes plus voltage regulator and rectifier; balanced or unbalanced antenna input; 5.25 mc if; sensitivity of 2 microvolts at 30 mc and 10 microvolts at 135 mc for 50 mw audio output; selectivity of not less than 10 kc or more than 25 kc in sharp position and not less than 65 kc, or more than 80 kc in broad position at 6 db down; audio output of 3 watts into 500 or 5000 ohm load; draws 115 watts from 115 or 230 v, 50/60 cycle ac line.  
 Special Features: AM and FM reception, adjustable selectivity, tone control, S-Meter, noise limiter, antenna trimmer and external power receptacle.  
 Remarks: Available on the surplus market following WW II.  
 Last Amateur Net Price: \$307.50.  
 Current Used Price: \$49.00.

### Hallicrafters S-37

1942- ----

Frequency Coverage: 130.0 to 210.0 mc in one band.  
 Specifications: 12 tubes plus voltage regulator and rectifier; balanced or unbalanced antenna input; 16 mc if; 500 and 5000 ohm audio output; operated from internal ac power supply or external batteries.  
 Special Features: AM and FM reception, tone control, S-Meter, noise limiter, antenna trimmer and external power receptacle.  
 Remarks: Available on the surplus market following WW II.  
 Last Amateur Net Price: \$591.75.  
 Current Used Price: \$40.00.

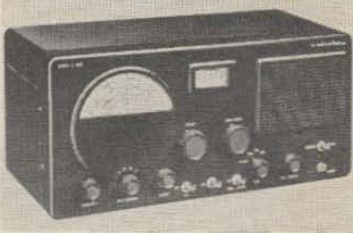
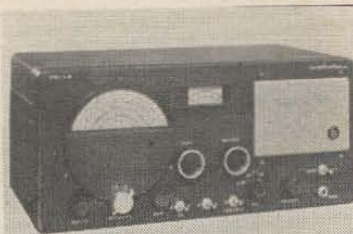
### Hallicrafters S-38 thru EM



1946-1959

Frequency Coverage: .55 to 31.0 mc; (1) .55 to 1.6 mc. (2) 1.6 to 5.0 mc. (3) 5.0 to 14.0 mc. (4) 13.0 to 31.0 mc.  
 Specifications: 4 or 5 tubes plus rectifier dependent on model; 52-600 ohm balanced or unbalanced antenna input; 455 kc if; draws 30 watts from 105-125 v dc or 50/60 cycle ac line.  
 Special Features: Internal speaker, electrical bandspread and, in some models, noise limiter.  
 Dimensions (Typical): 12 7/8" x 7" x 9" deep.  
 Weight (Typical): 12 pounds.  
 Remarks: Replaced S-19R Skybuddy. Data given is typical for the various models manufactured.  
 Last Amateur Net Price: \$59.95.  
 Current Used Price: \$32.50.

### Hallicrafters S-40 thru BU



1946-1955

Frequency Coverage: .54 to 43.0 mc; (1) .54 to 1.7 mc. (2) 1.7 to 5.35 mc. (3) 5.35 to 15.7 mc. (4) 15.17 to 43.0 mc.  
 Specifications: 7 or 8 tubes plus rectifier dependent on model; 50-600 ohm balanced or unbalanced antenna input; 455 kc if; sensitivity of 15 microvolts at 550 kc and 8 microvolts at 40 mc for 500 mw audio output; selectivity of 6.8 kc at 6 db down and 40.7 kc at 60 db down; S-40, S-40A and S-40B draw 75 watts from 105-125 v, 50/60 cycle ac line; S-40AU and S-40BU draw 75 watts from 105-250 v, 25/60 cycle ac line.  
 Special Features: Internal 5" PM speaker, electrical bandspread, tone control, noise limiter and receptacle for external S-Meter.  
 Accessories: SM 40 S-Meter.  
 Remarks: Replaced S-20 Sky Champion. Data given is typical for the various models manufactured.  
 Last Amateur Net Price: \$99.95.  
 Current Used Price: \$60.00.

### Hallicrafters S-41

.946

Frequency Coverage: .55 to 30.0 mc in 3 bands.  
 Specifications: 5 tubes plus rectifier; 300 ohm balanced or unbalanced antenna input; 455 kc if; requires 105-125 v, 50/60 cycle ac power.  
 Special Features: Internal speaker, electrical bandspread and noise limiter.  
 Last Amateur Net Price: \$36.75.  
 Current Used Price: \$20.00.

### Hallicrafters SX-42



1946-1949

Frequency Coverage: .54 to 110.0 mc; (1) .54 to 1.62 mc AM/CW. (2) 1.62 to 5.0 mc AM/CW. (3) 5.0 to 15.0 mc AM/CW. (4) 15.0 to 30.0 mc AM/CW. (5) 27.0 to 55.0 mc AM/CW/FM. (6) 55.0 to 110.0 mc AM/CW/FM.  
 Specifications: 13 tubes plus voltage regulator and rectifier; 300 ohm balanced or unbalanced antenna input; 455 kc AM if and 10.7 mc FM if; 500 or 5000 ohm audio output; draws 110 watts from 105-125 v, 50/60 cycle ac line.  
 Special Features: Calibrated electrical bandspread, adjustable selectivity, crystal filter, FM/AM reception, tone control, S-

Meter, noise limiter and external power supply. Replaced SX-28. Standard rack mounting, cabinet supplied. Last Amateur Net Price: \$275.00. Current Used Price: \$140.00.

### Hallicrafters SX-43



1947

Frequency Coverage: .54 to 55.0 mc and 86.0 to 109.0 mc; (1) .54 to 1.7 mc AM/CW. (2) 1.7 to 5.0 mc AM/CW. (3) 5.0 to 16.0 mc AM/CW. (4) 15.5 to 44.0 mc AM/CW. (5) 44.0 to 55.0 mc AM/CW/FM. (6) 86.0 to 109.0 mc AM/CW/FM. Specifications: 10 tubes plus rectifier; 72-600 ohm balanced or unbalanced antenna input; 455 kc AM IF and 10.7 mc FM IF; 500 or 5000 ohm audio output; draws 90 watts from 105-125v, 50/60 cycle ac line. Special Features: Calibrated electrical bandspread, adjustable selectivity, crystal filter, FM/AM reception, tone control, S-Meter, phono input, noise limiter and external power supply receptacle. Last Amateur Net Price: \$169.50. Current Used Price: \$100.00.

### Hallicrafters S-51



1947

Frequency Coverage: 132 to 405 kc and .485 to 13 mc; (1) 132 to 405 kc. (2) .485 to 1.53 mc. (3) 1.45 to 4.55 mc. (4) 4.2 to 13.0 mc. Specifications: 9 tubes plus rectifier; 300 ohm balanced or unbalanced antenna input; 455 kc IF; draws 30 watts from 105-125 v, 50/60 cycle ac or dc line. Special Features: Internal 5" PM speaker; 1 fixed tune channel in 200 to 300 kc range and 2 fixed tune channels in 2.0 to 3.0 mc range, tone control, noise limiter and provisions for internal vibrator power supplies. Accessories: 6, 12 and 32 volt vibrator power supplies. Last Amateur Net Price: \$200.00. Current Used Price: \$90.00.

### Hallicrafters S-52



1948

Frequency Coverage: .54 to 44.0 mc; (1) .54 to 1.68 mc. (2) 1.68 to 5.4 mc. (3) 5.3 to 15.5 to 44.0 mc. Specifications: 7 tubes plus rectifier; 50-

600 ohm balanced or unbalanced antenna input; 455 kc IF; draws 40 watts from 105-125 v, 50/60 cycle ac or dc line; provisions for operation from 220 v line with optional ballast resistor. Special Features: Internal 5" PM speaker, electrical bandspread, tone control and noise limiter. Last Amateur Net Price: \$99.50. Current Used Price: \$40.00.

### Hallicrafters S-53, A & U

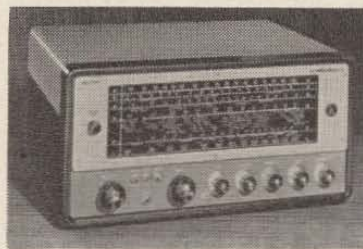


S-53: 1948-1950. S-53A: 1950-1958. S-53U: 1948-1955.

Frequency Coverage: .55 to 1.65 mc, 2.6 to 31.0 mc and 48.0 to 55.0 mc; (1) .55 to 1.65mc. (2) 2.6 to 6.4 mc. (3) 6.2 to 16.5 mc. (4) 14.0 to 31.0 mc. (5) 48.0 to 55.0 mc.

Specifications: 7 tubes plus rectifier; 50-600 ohm balanced or unbalanced antenna input; 2.075 mc IF; S-53 and S-53A draw 50 watts from 105-125 v, 50/60 cycle ac line; S-53U draws 50 watts from 105-250 v, 40 to 130 cycle ac line. Special Features: Internal 5" PM speaker, electrical bandspread, tone control and noise limiter. Last Amateur Net Price: S-53.....\$79.50. S-53A.....\$89.95. S-53U.....\$88.50. Current Used Price: S-53.....\$50.00. S-53A.....\$55.00.

### Hallicrafters SX-62, A & U



SX-62: 1945-1948. SX-62A: 1955 - Still Marketed.

Frequency Coverage: .54 to 109 mc; (1) .54 to 1.62 mc AM/CW. (2) 1.62 to 4.9 mc AM/CW. (3) 4.9 to 15.0 mc AM/CW. (4) 15.0 to 32.0 mc AM/CW. (5) 27.0 to 56.0 mc AM/CW/FM. (6) 54.0 to 109.0 mc AM/CW/FM. Specifications: 14 tubes plus voltage regulator and rectifier; 50-600 ohm balanced or unbalanced antenna input; 455 kc IF from .54 to 32.0 mc and 10.7 mc IF from 27.0 to 109.0 mc; 3.2, 8 or 500 ohm audio output; SX-62 and SX-62A draw 120 watts from 105-125 v, 50/60 cycle ac line; SX-62U draws 120 watts from 105-250 v, 25 to 100 cycle ac line. Special Features: Crystal Filter, adjustable selectivity, FM/AM reception, tone control, "hi-fi" audio system with phono input, noise limiter, crystal calibrator with dial adjustment and provisions for external battery or vibrator power supply. Dimensions: 20" x 10 1/2" x 16" deep. Weight: 67 pounds. Last Amateur Net Price: SX-62.....\$269.50. SX-62A.....\$395.00. SX-62U.....\$282.00. Current Used Price: SX-62.....\$190.00. SX-62A.....\$210.00 and up.

### Hallicrafters SX-71 & U



1950-1955

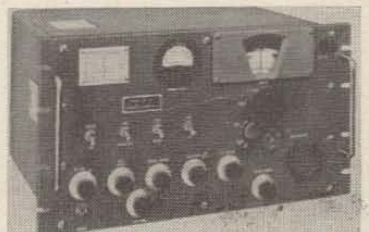
Frequency Coverage: .56 to 34.0 and 46.0 to 56.0 mc; (1) .56 to 1.6 mc. (2) 1.65 to 4.7 mc. (3) 4.7 to 13.4 mc. (4) 12.8 to 34.0 mc. (5) 46.0 to 56.0 mc. Specifications: 11 tubes plus voltage regulator and rectifier; 50-600 ohm balanced or unbalanced antenna input; 455 kc and 2.075 mc IF; 3.2 or 500 ohm audio output; SX-71 draws 90 watts from 105-125 v, 50/60 cycle ac line; SX-71U draws 90 watts from 105-250 v, 25 to 130 cycle ac line. Special Features: Calibrated electrical bandspread, double conversion if system, crystal filter, AM, CW and NBFM detectors, phono input, noise limiter, tone control and accessory/external power supply socket. Last Amateur Net Price: \$199.50. Current Used Price: \$125.00.

### Hallicrafters S-72 & L

1949-1955

Frequency Coverage: S-72: .55 to 30.0 mc; (1) .55 to 1.6 mc. (2) 1.5 to 4.4 mc. (3) 4.5 to 11.5 mc. (4) 11.0 to 30.0 mc. S-72L: 180 to 400 kc and .55 to 11.5 mc; (1) 180 to 400 kc. (2) .55 to 1.6 mc. (3) 1.6 to 4.4 mc. (4) 4.5 to 11.0 mc. Specifications: 8 tubes plus dry rectifier; self-contained loop antenna for band 1 of S-72 and bands 1 and 2 of S-72L, internal whip or external long wire antenna for other bands; 455 kc IF; draws 25 watts from 105-125 v, 50/60 cycle ac or dc line or operates from self-contained dry batteries. Special Features: Internal 5" PM speaker, electrical bandspread, noise limiter and portable case. Last Amateur Net Price: \$79.95. Current Used Price: \$44.00.

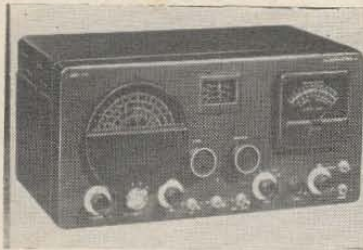
### Hallicrafters SX-73



1952

Frequency Coverage: .54 to 54.0 mc; (1) .54 to 1.27 mc. (2) 1.27 to 3.0 mc. (3) 3.0 to 7.0 mc. (4) 7.0 to 13.8 mc. (5) 13.8 to 29.7 mc. (6) 29.7 to 54.0 mc. Specifications: 17 tubes plus voltage regulator and rectifier; 50-200 ohm balanced or unbalanced antenna input; 455 kc and 6.0 mc IF; sensitivity of less than 2 microvolts for 10 db S/N ratio; selectivity adjustable from 14.0 kc at 6 db down and 34.0 kc at 60 db down to .4 kc at 6 db down and 6.0 kc at 60 db down; 2 watts audio output into 500 ohm load for 2 microvolt rf input; draws 120 watts from 95/105/117/130/190/210/224/260 volt, 50/60 cycle ac line. Special Features: Provision for 6 crystal controlled channels, provision for external BFO, if amplifier output jack, crystal filter, adjustable selectivity, dual conversion if system, noise limiter, antenna trimmer, S-Meter and audio amplifier input jack. Dimensions: 19" x 10 15/32" x 18 1/2" deep. Weight: 58 pounds. Remarks: Military type R-274/FRR. Last Amateur Net Price: \$975.00. Current Used Price: \$400.00.

### Hallicrafters S-76 & U



1950-1955

Frequency Coverage: .538 to 1.58 and 1.72 to 34.0 mc in 4 bands.  
 Specifications: 9 tubes plus voltage regulator and rectifier; 300 ohm balanced or unbalanced antenna input; 50 and 1650 kc if; 3.2 or 500 ohm audio output; S-76 draws 77 watts from 105-125 v, 50/60 cycle ac line; S-76U draws 77 watts from 115-250 v, 25 to 60 cycle ac line.  
 Special Features: Calibrated electrical bandspread, dual conversion if system, adjustable selectivity, S-Meter, tone control, noise limiter, phono jack and external power/accessory socket.  
 Dimensions: 18 1/2" x 8 7/8" x 9 1/2" deep.  
 Last Amateur Net Price: \$149.95.  
 Current Used Price: \$99.00.

### Hallicrafters S-77 & A



1950-1955

Frequency Coverage: .54 to 44.0 mc; (1) .54 to 1.68 mc. (2) 1.68 to 5.4 mc. (3) 5.3 to 15.5 mc. (4) 15.5 to 44.0 mc.  
 Specifications: 7 tubes plus rectifier; 50-600 ohm balanced or unbalanced antenna input; 455 kc if; draws 40 watts from 105-125 v, 50/60 cycle ac or dc line.  
 Special Features: Internal speaker, electrical bandspread, noise limiter and tone control.  
 Accessories: Ballast tube for 210-250 v power line.  
 Last Amateur Net Price: \$89.95.  
 Current Used Price: \$55.00.

### Hallicrafters S-85 & U



1955-1959

Frequency Coverage: .538 to 34.0 mc; (1) .538 to 1.6 mc. (2) 1.55 to 4.6 mc. (3) 4.6 to 13.0 mc. (4) 12.0 to 34.0 mc.  
 Specifications: 7 tubes plus rectifier; 52-600 ohm balanced or unbalanced antenna input; 455 kc if; S-85 draws 75 watts from 105-125 v, 50/60 cycle ac line; S-85U draws 75 watts from 100-250 v, 25 to 60 cycle ac line.  
 Special Features: Calibrated electrical bandspread, internal 5" PM speaker, noise limiter and tone control.  
 Dimensions: 18 1/2" x 9" x 10 5/8" deep.  
 Weight: 27 1/2 pounds.  
 Remarks: Replaced S-40B.  
 Last Amateur Net Price: \$119.95.  
 Current Used Price: \$82.00.

### Hallicrafters S-86

1955-1959

Frequency Coverage: .538 to 34.0 mc; (1) .538 to 1.6 mc. (2) 1.55 to 4.6 mc. (3) 4.6 to 13.0 mc. (4) 12.0 to 34.0 mc.  
 Specifications: 7 tubes plus rectifier; 52-600 ohm balanced or unbalanced antenna input; 455 kc if; draws 40 watts from 105-125 v, 50/60 cycle ac or dc line.  
 Special Features: Internal 5" PM speaker, calibrated electrical bandspread, tone control and noise limiter.  
 Dimensions: 18 1/2" x 9" x 10 5/8" deep.  
 Remarks: Replaced S-77A.  
 Last Amateur Net Price: \$119.95.  
 Current Used Price: \$78.00.

### Hallicrafters SX-88 & U



1954-1955

Frequency Coverage: .535 to 33.0 mc; (1) .535 to 1.7 mc. (2) 1.69 to 3.0 mc. (3) 2.98 to 5.5 mc. (4) 5.4 to 10.0 mc. (5) 9.8 to 18.3 mc. (6) 17.8 to 33.0 mc.  
 Specifications: 17 tubes plus current regulator, voltage regulator and rectifier; 50-600 ohm balanced or unbalanced antenna input; 50 and 1550 kc if on band 2, 50 and 2075 kc if on all other bands; sensitivity of 1.0 to 1.75 microvolts for .5 watts audio output and 1.5 to 2.0 microvolts for 10 db S/N ratio on all except broadcast band; selectivity adjustable between .25 and 10 kc at 6 db down and 1.0 to 24.0 kc at 60 db down; 10 watts audio output into 3.2, 8 or 500 ohm load; SX-88 draws 138 watts from 105-125 v, 50/60 cycle ac line; SX-88U draws 138 watts from 100-250 v, 25 to 60 cycle ac line.  
 Special Features: Calibrated electrical bandspread, dual conversion if system, adjustable selectivity, crystal calibrator, antenna trimmer, amplified and delayed AVC, phono input jack, IF output jack, tone control, S-Meter, noise limiter and accessory/external power socket.  
 Dimensions: 19" x 8 3/4" rack panel, cabinet supplied.  
 Last Amateur Net Price: \$595.00.  
 Current Used Price: \$310.00.

### Hallicrafters S-96



1955-1956

Frequency Coverage: .538 to 1.58 mc and 1.72 to 34.0 mc; (1) .538 to 1.58 mc. (2) 1.72 to 4.9 mc. (3) 4.6 to 13.0 mc. (4) 12.0 to 34.0 mc.  
 Specifications: 10 tubes plus voltage regulator and rectifier; 300 ohm balanced or unbalanced antenna input; 50.5 and 1650 if; selectivity adjustable between .5 and 5.0 kc at 6 db down and 5.0 and 20.0 kc at 60 db down; 3.2 or 500 ohm audio output; draws 80 watts from 105-125 v, 50/60 cycle ac line.  
 Special Features: Calibrated electrical

bandspread, dual conversion if system with selectable sideband, phono input jack, S-Meter, noise limiter, tone control and accessory/external power socket.  
 Dimensions: 18 1/2" x 8 7/8" x 11" deep.  
 Weight: 34 1/2 pounds.  
 Last Amateur Net Price: \$249.95.  
 Current Used Price: \$169.00.

### Hallicrafters SX-99 & U



1955-1959

Frequency Coverage: .538 to 34.0 mc; (1) .538 to 1.6 mc. (2) 1.55 to 4.6 mc. (3) 4.6 to 13.0 mc. (4) 12.0 to 34.0 mc.  
 Specifications: 7 tubes plus rectifier; 52-600 ohm antenna input; 455 kc if; 3.2 or 500 ohm audio output; SX-99 draws 75 watts from 105-125 v, 50/60 cycle ac line; SX-99U draws 75 watts from 100-250 v, 25 to 60 cycle ac line.  
 Special Features: Calibrated electrical bandspread, antenna trimmer, crystal filter, S-Meter, noise limiter and tone control.  
 Dimensions: 18 3/4" x 9" x 10 3/4" deep.  
 Weight: 28 1/4 pounds.  
 Last Amateur Net Price: \$149.95.  
 Current Used Price: \$109.00.

### Hallicrafters SX-100



1956-Still Marketed

Frequency Coverage: .538 to 34.0 mc; (1) .538 to 1.58 mc. (2) 1.72 to 4.9 mc. (3) 4.6 to 13.0 mc. (4) 12.0 to 34.0 mc.  
 Specifications: 12 tubes plus voltage regulator and rectifier; 300 ohms balanced or unbalanced antenna input; 50.5 and 1650 kc if; adjustable selectivity of from 0.5 to 5.0 kc at 6 db down and from 5.0 to 20.0 kc at 60 db down; 3.2 or 500 ohm audio output; draws 88 watts from 105-125 v, 50/60 cycle ac line.  
 Special Features: Calibrated electrical bandspread, dual conversion if system with selectable sideband, adjustable selectivity, antenna trimmer, notch filter, crystal calibrator, SSB AVC time constant, S-Meter, phono input jack, noise limiter and accessory/external power supply jack.  
 Dimensions: 18 1/2" x 8 7/8" x 11" deep.  
 Weight: 34 1/2 pounds.  
 Last Amateur Net Price: \$325.00.  
 Current Used Price: \$200.00.

### Hallicrafters SX-101 & A



SX-101: 1957-1958. Sx-101A: 1959-Still Marketed.

Frequency Coverage: (1) 3.5 to 4.0 mc. (2) 7.0 to 7.3 mc. (3) 14.0 to 14.4 mc. (4) 21.0 to 21.5 mc. (5) 28.0 to 30.0 mc. (6) 10.0 mc WWV. (7) 2 & 6M converter input, 30.5 to 34.5 mc.

Specifications: 13 tubes plus voltage regulator and rectifier; 50-70 ohm balanced or unbalanced antenna input; 50.75 and 1650 kc if; sensitivity of 1 microvolt for 10 db S/N ratio except for converter band which is 4 microvolts; selectivity of .5, 1, 2, 3 and 5 kc at 6 db down; 3, 2 or 500 ohm audio output; draws 115 watts from 105-125 v, 50/60 cycle ac line.

Special Features: Dual conversion if system with selectable sideband, product detector for CW/SSB reception, notch filter, crystal calibrator, adjustable AVC time constant, tone control, S-Meter, antenna trimmer, noise limiter, internal heating element and accessory socket.

Dimensions: 20" x 10 1/2" x 16" deep. Weight: 70 pounds.

Remarks: SX-101 had 160M coverage with no VHF converter input.

Last Amateur Net Price: SX-101....\$395. SX-101A... \$445.

Current Used Price: SX-101....\$239. SX-101A.....\$279.00 and up.

### Hallicrafters S-102



1956-1957

Frequency Coverage: 143 to 149 mc. Specifications: 7 tubes plus selenium rectifier; 300 ohm balanced or unbalanced antenna input; 10.7 mc if; draws 40 watts from 105-125 v, 50/60 cycle ac or dc line.

Special Features: Internal 5" PM speaker, standby switch with external contacts and noise limiter.

Dimensions: 13" x 7 1/2" x 8 3/4" deep. Weight: 13 pounds.

Last Amateur Net Price: \$59.95. Current Used Price: \$37.50.

### Hallicrafters S-106

1956-1957

Frequency: 50.0 to 54.0 mc. Specifications: 7 tubes plus selenium rectifier; 300 ohm balanced or unbalanced antenna input; 10.7 mc if; draws 40 watts from 105-125 v, 50/60 cycle ac or dc line.

Special Features: Internal 5" PM speaker, standby switch with external contacts and noise limiter.

Dimensions: 13" x 7 1/2" x 8 3/4" deep. Weight: 10 5/8 pounds.

Last Amateur Net Price: \$59.95. Current Used Price: \$35.00.

### Hallicrafters S-107



1958

Frequency Coverage: .54 to 1.63, 2.51 to 31.0 and 48.0 to 54.0 mc; (1) .54 to 1.63 mc. (2) 2.5 to 6.3 mc. (3) 6.3 to 16.0 mc. (4) 14.0 to 31.0 mc. (5) 48.0 to 54.5 mc.

Specifications: 7 tubes plus rectifier; 52-600 ohm balanced or unbalanced antenna input; 455 kc if; draws 50 watts from 105-125 v, 50/60 cycle ac line.

Special Features: Internal 4" x 6" speaker, electrical bandspread, noise limiter and external audio amplifier jack.

Remarks: Replaced S-53.

Last Amateur Net Price: \$94.95. Current Used Price: \$72.00.

### Hallicrafters S-108



1959-Still Marketed.

Frequency Coverage: .538 to 34.0 mc; (1) .538 to 1.6 mc. (2) 1.55 to 4.6 mc. (3) 4.6 to 13.0 mc. (4) 12.0 to 34.0 mc.

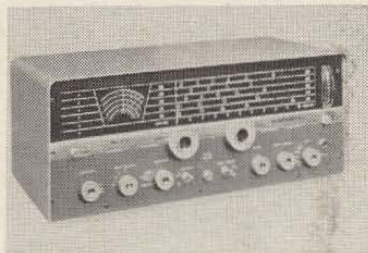
Specifications: 7 tubes plus rectifier; 52-600 ohm balanced or unbalanced antenna input; 455 kc if; draws 75 watts from 105-125 v, 50/60 cycle ac line.

Special Features: Internal 5" PM speaker, calibrated electrical bandspread, noise limiter and tone control.

Dimensions: 18 3/4" x 8" x 10 1/4" deep. Weight: 28 1/4 pounds.

Last Amateur Net Price: \$139.95. Current Used Price: \$109.00.

### Hallicrafters SX-110



1959-Still Marketed.

Frequency Coverage: .538 to 34.0 mc; (1) .538 to 1.6 mc. (2) 1.55 to 4.6 mc. (3) 4.6 to 13.0 mc. (4) 12.0 to 34.0 mc.

Specifications: 7 tubes plus rectifier; 52-600 ohm balanced or unbalanced antenna input; 455 kc if; 3.2 or 500 ohm audio output; draws 75 watts from 105-125 v, 50/60 cycle ac line.

Special Features: Calibrated electrical bandspread, crystal filter, S-Meter, tone control, noise limiter and antenna trimmer.

Dimensions: 18 3/4" x 8" x 10 1/4" deep. Weight: 28 1/4 pounds.

Remarks: refined version of S-108, less speaker.

Last Amateur Net Price: \$169.95. Current Used Price: \$125.00.

### Hallicrafters SX-111



1959-Still Marketed.

Frequency Coverage: (1) 3.5 to 4.0 mc. (2) 7.0 to 7.3 mc. (3) 14.0 to 14.4 mc. (4) 21.0 to 21.5 mc. (5) 28.0 to 29.7 mc. (6) 10.0 mc WWV.

Specifications: 12 tubes plus voltage regulator and rectifier; 50-70 ohms unbalanced antenna input; 50.75 and 1650 kc if; sensitivity of less than 1.0 microvolt for 10 db S/N ratio; adjustable selectivity of from 0.5 to 5.0 kc at 6 db down; 3, 2 or 500 ohm audio output; draws 83 watts from 105-125 v, 50/60 cycle ac line.

Special Features: Dual conversion if system with selectable sideband, product detector for CW/SSB reception, notch filter, calibration oscillator, antenna trimmer, voltage regulated oscillator supply, S-Meter, noise limiter and receiving muting terminals. Dimensions: 18 11/16" x 8 13/16" x 10 3/16" deep.

Weight: 35 3/4 pounds.

Last Amateur Net Price: \$279.50. Current Used Price: \$200.00.

### Hallicrafters SX-115



1961-Still Marketed.

Frequency Coverage: (1) 3.5 to 4.0 mc. (2) 7.0 to 7.5 mc. (3) 9.6 to 10.1 mc, uncalibrated. (4) 14.0 to 14.5 mc. (5) 21.0 to 21.5 mc. (6) 28.0 to 28.5 mc. (7) 28.5 to 29.0 mc. (8) 29.5 to 30.0 mc.

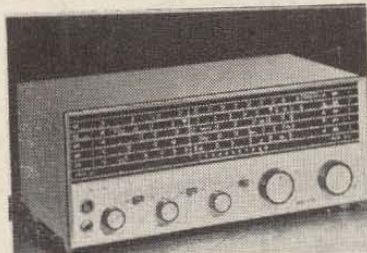
Specifications: 17 tubes plus voltage regulator and 5 silicon diodes; 50-70 ohm unbalanced antenna input; 50.75 and 1005 kc fixed and 6.505 to 6.005 mc variable if; sensitivity on AM of 1.0 microvolt for 10 db S/N ratio; sensitivity on SSB/CW of less than 0.5 microvolt; selectivity variable in 5 steps from .5 to 5 kc at 6 db down; audio output of 1.5 watts into 3, 2 or 500 ohm load; draws 85 watts from 105-125 v, 50/60 cycle ac line.

Special Features: Triple conversion if system with selectable sideband, product detector for CW/SSB reception, crystal controlled 1st and 3rd conversion oscillators, crystal calibrator, if-type noise limiter for CW/SSB and series type noise limiter for AM reception, amplified dual loop AVC with fast attack and slow release time constant, internal heating element, band gain equalization, inverse feedback audio system, antenna trimmer, S-Meter and accessory socket.

Dimensions: 16" x 10 1/2" x 16" deep. Weight: 44 pounds.

Last Amateur Net Price: \$595.00. Current Used Price: \$480.00.

### Hallicrafters S-118



1961-Still Marketed.

Frequency Coverage: 185 to 420 kc and .495 to 31.0 mc; (1) 185 to 420 kc. (2) .490 to 1.62 mc. (3) 1.6 to 4.95 mc. (4) 4.85 to 15.0 mc. (5) 14.8 to 31.0 mc.

Specifications: 5 tubes plus 2 silicon rectifiers; loopstick plus external antenna on bands 1 and 2; 50-75 ohm balanced or unbalanced antenna input for all other bands; 455 kc if; operates from 115 v, 50/60 cycle ac line.

Special Features: Internal speaker, electrical bandspread, phono input and audio output jacks, noise limiter and accessory/external power supply socket.

Dimensions: 14 1/2" x 5 11/16" x 8 1/2" deep.  
Shipping Weight: 19 pounds.  
Last Amateur Net Price: \$99.95.  
Current Used Price: Not priced.

### Hallicrafters S-119 & K



1961-Still Marketed.

Frequency Coverage: (1) .535 to 1.64 mc. (2) 2.0 to 5.5 mc. (3) 5.7 to 16.4 mc.  
Specifications: 3 tubes plus 1 diode and selenium rectifier; ferrite rod antenna for band 1 and unbalanced antenna input for all other bands; 455 kc if; draws 16 watts from 105-125 v, 50/60 cycle ac line.

Special Features: Internal PM speaker.  
Dimensions: 10 1/2" x 5" x 7 1/2" deep.  
Weight: 7 1/2 pounds.  
Remarks: Available wired and tested or in kit form.  
Last Amateur Net Price:  
S-119 Wired Receiver.....\$49.95.  
S-119K Kit receiver.....\$39.95.  
Current Used Price: \$35.00.

### Hallicrafters S-120



1960-Still Marketed.

Frequency Coverage: .54 to 31.0 mc; (1) .54 to 1.55 mc. (2) 1.55 to 4.4 mc. (3) 4.4 to 11.0 mc. (4) 11.0 to 31.0 mc.  
Specifications: 4 tubes plus rectifier; 50-600 ohm unbalanced antenna input plus loopstick on band 1 and 45" collapsible whip on all other bands; 455 kc if; draws 30 watts from 105-125 v, 50/60 cycle ac or dc line.

Special Features: Internal 5" PM speaker and electrical bandspread.  
Dimensions: 13 1/2" x 5 7/8" x 8 3/4" deep.  
Weight: 10 1/4 pounds.  
Last Amateur Net Price: \$69.95.  
Current Used Price: \$50.00.

### Hallicrafters SX-140 & K



1961-Still Marketed.

Frequency Coverage: (1) 3.5 to 4.0 mc. (2) 7.0 to 7.3 mc. (3) 14.0 to 14.4 mc. (4) 21.0 to 21.5 mc. (5) 28.0 to 29.9 mc. (6) 50.0 to 50.4 mc.

Specifications: 5 tubes plus 2 silicon diodes; 50-75 ohm unbalanced antenna input; 1650 kc if; 3.2 ohm audio output; draws 47 watts from 105-125 v, 50/60 cycle ac line.

Special Features: Antenna trimmer, amplified S-Meter, calibration oscillator, regenerative if system and auxiliary switching terminals.

Dimensions: 13 3/8" x 7 3/16" x 8 1/4" deep.  
Weight: 13 1/2 pounds.  
Remarks: Available wired and tested or in kit form.  
Last Amateur Net Price:  
SX-140 Wired Receiver.....\$124.95.  
SX-140K Kit Receiver.....\$104.95.  
Current Used Price: \$92.00.

### Hammarlund HQ-100A



1961-Still Marketed.

Frequency Coverage: .54 to 30.0 mc; (1) .54 to 1.6 mc. (2) 1.6 to 4.0 mc. (3) 4.0 to 10.0 mc. (4) 10.0 to 30.0 mc.

Specifications: 8 tubes plus regulator and rectifier; 50-600 ohm balanced or unbalanced antenna input; 3.2 ohm audio output to external speaker; 455 kc if; selectivity of 6.0 kc at 6 db down and 30 kc at 60 db down with Q-Multiplier off; operates from 105-125 v, 60 cycle ac line.

Special Features: Calibrated electrical bandspread; Telechron clock timer in "AC" model; variable response audio system; antenna trimmer; Q-Multiplier; noise limiter; S-Meter and receive-standby switch.

Accessories:  
S-100 Speaker.  
XC-100 Crystal Calibrator.  
Dimensions: 9 7/16" x 16 1/4" x 9 1/8" deep.  
Shipping Weight: 33 pounds.  
Last Amateur Net Price:  
HQ-100A Receiver.....\$189.00.  
HQ-100AC Receiver.....\$199.00.  
S-100 Speaker.....\$14.95.  
XC-100 Crystal Calibrator.....\$15.95.  
Current Used Price:  
HQ-100A Receiver.....\$145.00.  
HQ-100AC Receiver.....\$150.00.  
S-100 Speaker.....\$10.00.

### Hammarlund HQ-100 & C



1956-1961

Frequency Coverage: .54 to 30.0 mc; (1) .54 to 1.6 mc. (2) 1.6 to 4 mc. (3) 4.0 to 10.0 mc. (4) 10.0 to 30.0 mc.

Specifications: 8 tubes plus regulator and rectifier; 50-600 ohm balanced or unbalanced antenna input; 455 kc if; selectivity of 6.0 kc at 6 db down and 30 kc at 60 db down with Q-Multiplier off; 3.2 ohm audio output to external speaker; operates from 105-125 v, 60 cycle ac line.

Special features: Calibrated electrical bandspread; Telechron clock timer in "C" model; variable response audio system; antenna trimmer; Q-Multiplier; noise limiter; S-Meter and receive-standby switch.

Accessories: S-100 Speaker.  
XC-455 Crystal Controlled BFO.  
Dimensions: 9 7/16" x 16 1/4" x 9 1/8" deep.  
Shipping Weight: 31 pounds.  
Last Amateur Net Price:  
HQ-100 Receiver.....\$189.00.  
HQ-100C Receiver.....\$199.00.  
S-100 Speaker.....\$14.95.  
XC-455 Crystal Controlled BFO....\$15.95.  
Current Used Price:  
HQ-100 Receiver.....\$130.00.  
HQ-100C Receiver.....\$135.00.  
S-100 Speaker.....\$10.00.

### Hammarlund HQ-110 & A



HQ-110: 1958-1962.

HQ-110A: 1962-Still Marketed.

NOTE: The later model HQ-110A contained minor mechanical and electrical improvements, accessory socket for preamp or converter applications, 2 meter dial calibration for use with external converter and separate 6 meter antenna input. These changes do not warrant separate description.

Frequency Coverage: (1) 1.8 to 2.0 mc. (2) 3.5 to 4.0 mc. (3) 7.0 to 7.3 mc. (4) 14.0 to 14.4 mc. (5) 21.0 to 21.6 mc. (6) 28.0 to 30.0 mc. (7) 50.0 to 50.4 mc.

Specifications: 10 tubes plus regulator and rectifier; 455 and 3045 kc if frequencies; sensitivity of 1.5 microvolts for 10 db S/N ratio; selectivity of 9.7 kc at 6 db down with Q-Multiplier off; 1 watt audio output into 3.2 ohm external speaker; draws 80 watts from 105-125 v, 50/60 cycle ac line.  
Special Features: Dual conversion superhet on frequencies above 7.0 mc; crystal controlled 2nd conversion oscillator; crystal calibrator with front panel corrector; Q-Multiplier; separate product detector for CW/SSB reception; variable response audio system; antenna trimmer; noise limiter; optional Telechron timer; S-Meter; receive-standby switch.

Accessories: S-100 Speaker.  
Dimensions: 9 7/8" x 16 1/4" x 9 1/8" deep.  
Shipping Weight: 30 pounds.  
Last Amateur Net Price:  
HQ-110 Receiver.....\$249.00.  
HQ-110C Receiver with Telechron timer.....\$259.00.  
HQ-110A Receiver.....\$249.00.  
HQ-100A Rcvr. with Telechron timer.....\$259.00.

Current Used Price:  
HQ-100 Receiver.....\$190.00.

- HQ-110C Receiver .....\$195.00.  
 HQ-110A Receiver.....\$200.00.  
 HQ-110A Receiver with Telechron timer  
 \$205.00.

### Hammarlund HQ-129X

1946-1950

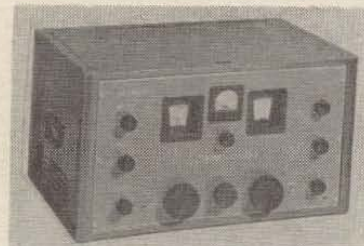
Frequency Coverage: .54 to 31.0 mc; (1) .54 to 1.32 mc. (2) 1.32 to 3.2 mc. (3) 3.2 to 5.7 mc. (4) 5.7 to 10.0 mc. (5) 10.0 to 18.0 mc. (6) 18.0 to 31.0 mc.

Specifications: 9 tubes plus regulator and rectifier; balanced or unbalanced antenna input; 455 kc if; adjustable selectivity from less than 1.0 to 10.0 kc at 6 db down; audio output of 3 watts into external 6 ohm load; operates from 105-125 v, 50/60 cycle ac line.

Special Features: Calibrated electrical bandspread; crystal filter with adjustable selectivity; noise limiter; S-Meter; antenna trimmer and receive-standby switch.

Last Amateur Net Price: \$177.30.  
 Current Used Price: \$129.00.

### Hammarlund HQ-140X & XA



HQ-140X: 1953-1955.

HQ-140XA: 1955-1958.

NOTE: The later model HQ-140XA contained minor mechanical and electrical improvements. These changes do not warrant separate description.

Frequency Coverage: .54 to 31.0 mc; (1) .54 to 1.32 mc. (2) 1.32 to 3.2 mc. (3) 3.2 to 5.7 mc. (4) 5.7 to 10.0 mc. (5) 10.0 to 18.0 mc. (6) 18.0 to 31.0 mc.

Specifications: 9 tubes plus regulator and rectifier; antenna input of 100 ohms, balanced or unbalanced; 455 kc if; 2 watts audio output into external 6 ohm speaker; operates from 105-125 v, 50/60 cycle ac supply.

Special Features: Calibrated electrical bandspread; crystal filter with adjustable selectivity; S-Meter; noise limiter; antenna trimmer and receive standby switch.

Accessories: XC-100 Crystal Calibrator.

Last Amateur Net Price:

HQ-140X.....\$264.50.

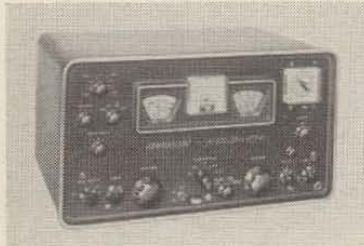
HQ-140XA.....\$249.00.

Current Used Price:

HQ-140X.....\$155.00.

HQ-140XA.....\$165.00.

### Hammarlund HQ-145, C & X



HQ-145: 1958-1961

HQ-145X: 1961-Still Marketed

NOTE: The HQ-145X model includes provisions for 1 crystal controlled channel within the tuning range of the receiver.

Frequency Coverage: .54 to 30.0 mc. (1) .54 to 1.6 mc. (2) 1.6 to 4.0 mc. (3) 4.0 to 10.0 mc. (4) 10.0 to 30.0 mc.

Specifications: 9 tubes plus regulator and rectifier; balanced or unbalanced antenna input; 455 and 3035 kc if; sensitivity of 1.75 microvolts for 10 db S/N ratio; selectivity adjustable from between .5 and 10 kc at 6 db down; audio output of 1 watt into external

3.2 ohm speaker, operates from 105-125 v, 50/60 cycle ac line.

Special Features: Double conversion superhet above 10.0 mc; crystal filter with adjustable selectivity; crystal controlled 1st conversion oscillator; notch filter; S-Meter; noise limiter; variable response audio system; calibrated electrical bandspread; Telechron clock timer optional in "C" model; receive-standby switch.

Accessories: S-200 Speaker.

XC-100P Crystal Calibrator.

Dimensions: 10 1/2" x 19" x 13" deep.

Shipping Weight: 42 pounds.

Last Amateur Net Price:

HQ-145 Receiver.....\$269.00.

HQ-145C Receiver with Telechron Timer

\$279.00.

HQ-145X Receiver.....\$269.00.

S-200 Speaker.....\$19.95.

XC-100P Xtal Calibrator.....\$15.95.

Current Used Price:

HQ-145 Receiver.....\$198.00.

HQ-145C Receiver.....\$202.00.

HQ-145X Receiver.....\$205.00.

S-200 Speaker.....\$10.00.

### Hammarlund HQ-150



1955-1958

Frequency Coverage: .54 to 31.0 mc; (1) .54 to 1.32 mc. (2) 1.32 to 3.2 mc. (3) 3.2 to 5.7 mc. (4) 5.7 to 10.0 mc. (5) 10.0 to 18.0 mc. (6) 18.0 to 31.0 mc.

Specifications: 11 tubes plus regulator and rectifier; 50-300 ohm, balanced or unbalanced antenna input; 455 kc if; audio output of 2 watts into external 6 ohm speaker; operates from 105-125 v, 50/60 cycle ac line.

Special Features: Calibrated electrical bandspread; crystal filter; Q-Multiplier; crystal calibrator; S-Meter; noise limiter and receive-standby switch.

Last Amateur Net Price: \$294.00.

Current Used Price: \$189.00.

### Hammarlund HQ-160



1958-1960

Frequency Coverage: .54 to 31.0 mc; (1) .54 to 1.32 mc. (2) 1.32 to 3.2 mc. (3) 3.2 to 5.7 mc. (4) 5.7 to 10.0 mc. (5) 10.0 to 18.0 mc. (6) 18.0 to 31.0 mc.

Specifications: 11 tubes plus regulator and rectifier; 75 ohm, balanced or unbalanced, antenna input; 455 and 3035 kc if; selectivity of 3.7 kc at 6 db down with Q-Multiplier off; audio output of 1 watt into external 3.2 ohm speaker; draws 100 watts from 105-125 v, 50/60 cycle ac line.

Special Features: Calibrated electrical bandspread; double conversion superhet above 10.0 mc; notch filter; Q-Multiplier; product detector for CW/SSB reception; if output jack; crystal controlled 1st conversion oscillator; crystal calibrator with front panel corrector; antenna trimmer; S-Meter; noise limiter and receive-standby switch.

Last Amateur Net Price: \$379.00.

Current Used Price: \$265.00.

### Hammarlund HQ-170



1958-Still Marketed

Frequency Coverage: (1) 1.8 to 2.0 mc. (2) 3.5 to 4.0 mc. (3) 7.0 to 7.3 mc. (4) 14.0 to 14.4 mc; (5) 21.0 to 21.6 mc. (6) 28.0 to 30.0 mc. (7) 50.0 to 54.0 mc.

Specifications: 15 tubes plus regulator and rectifier; 100 ohm balanced or unbalanced antenna input; if frequencies of 60, 455 and 3035 kc; 1 watt audio output into external 3.2 ohm speaker; sensitivity of 1.5 microvolt for 10 db S/N ratio; selectivity adjustable from .5 to 6.0 kc; draws 120 watts from 105-125 v, 50/60 cycle ac line.

Special Features: Double conversion superhet on 160 and 80 meters, triple conversion on all other bands; adjustable selectivity with selectable sideband; vernier tuning; separate product detector for CW/SSB reception; S-Meter with amplifier stage; delayed AGC with adjustable time constant; slot filter; crystal calibrator with front panel corrector; antenna trimmer; variable response audio system; receive-standby switch with muting provisions.

Accessories: S-200 Speaker.

Dimensions: 10 1/2" x 19" x 13" deep.

Shipping Weight: 45 pounds.

Last Amateur Net Price:

HQ-170 Receiver.....\$359.00.

HQ-170C Receiver with Telechron timer

\$369.00.

S-200 Speaker.....\$19.95.

Current Used Price:

HQ-170 Receiver.....\$265.00.

HQ-170C Receiver.....\$275.00.

S-200 Speaker.....\$10.00.

### Hammarlund HQ-180



1960-Still Marketed

Frequency Coverage: .54 to 30 mc in 6 bands; bandspread calibration on 80, 40, 20, 15 and 10 meter amateur bands.

Specifications: 16 tubes plus regulator and rectifier; 72 ohm balanced or unbalanced antenna input; if frequencies of 60, 455 and 3035 kc; sensitivity of 1.5 microvolts for 10 db S/N ratio; selectivity of 1, 2 and 3 kc in LSB and USB positions and 5, 2, 4 and 6 kc in BOTH position; audio output of 1 watt into external 3.2 ohm speaker; operates from 105-125 v, 50/60 cycle ac line.

Special Features: Double conversion superhet from .54 to 7.8 mc and triple conversion superhet from 7.8 to 30.0 mc; if system combines high frequency crystal filter and 60 kc LC filter to provide adjustable selectivity and selectable sideband reception; separate product detector for CW/SSB reception.



ion; crystal controlled first converter oscillator; delayed AGC; S-Meter with amplifier stage; slot filter; crystal calibrator with front panel corrector; adjustable noise limiter; antenna trimmer; adjustable AGC; variable response audio system; receive-standby switch with muting provisions. Accessories: S-200 Speaker. Dimensions: 10 1/2" x 19" x 13" deep. Shipping Weight: 45 pounds. Last Amateur Net Price: HQ-180 Receiver.....\$429.00. HQ-180 Receiver with Telechron timer \$439.00. S-200 Speaker.....\$ 19.95. Current Used Price: HQ-180 Receiver.....\$325.00. HQ-180C Receiver.....\$330.00.

### Hammarlund PRO-310

1955-?

Frequency Coverage: .55 to 35.52 mc; (1) .55 to 1.11 mc. (2) 1.10 to 2.22 mc. (3) 2.20 to 4.44 mc. (4) 4.40 to 8.88 mc. (5) 8.80 to 17.76 mc. (6) 17.60 to 35.52 mc.

Specifications: 10 tubes plus regulator and 2 rectifiers; 52 and 1802 kc if frequencies; adjustable selectivity ranging from .3 kc to 4.0 kc at 6 db down to 3.8 to 13.2 kc at 60 db down.

Special Features: Differential tuning bandspread system; noise limiter; S-Meter; dual conversion above 2.2 mc; antenna trimmer; BFO buffer stage; provisions for optional crystal calibrator and receive standby switch.

Dimensions: 9" x 17 7/8" x 15 1/2" deep. Weight: 65 pounds. Last Amateur Net Price: \$595.00. Current Used Price: \$275.00.

### Hammarlund SP-400X & SX

1946-1950

Frequency Coverage: SP-400-X..... .54 to 30 mc; (1) .54 to 1.24 mc. (2) 1.24 to 2.86 mc. (3) 2.85 to 6.3 mc. (4) 6.3 to 14.0 mc. (5) 13.4 to 30.0 mc.

SP-400-SX.....1.25 to 40.0 mc; (1) 1.25 to 2.5 mc. (2) 2.5 to 5.0 mc. (3) 5.0 to 10.0 mc. (4) 10.0 to 20.0 mc. (5) 20.0 to 40.0 mc.

Specifications: 16 tubes plus 2 rectifiers; antenna input of 100 ohms balanced or unbalanced; 455 kc if; 500 ohm audio output to external speaker; draws 180 watts from 105-125 v, 50/60 cycle ac line.

Special Features: Electrical bandspread; external power supply; S-Meter; noise limiter; crystal filter with adjustable selectivity; adjustable if selectivity; antenna trimmer; phono input; receive-standby switch. Last Amateur Net Price: \$450.00. Current Used Price: \$155.00.

### Hammarlund SP-600-JX



1950--Still Marketed

Frequency Coverage: .54 to 54.0 mc; (1) .54 to 1.35 mc. (2) 1.35 to 3.45 mc. (3) 3.45 to 7.4 mc. (4) 7.4 to 14.8 mc. (5) 14.8 to 29.7 mc. (6) 29.7 to 54.0 mc. Specifications: 18 tubes plus regulator and rectifier; 100 ohm balanced antenna input; 455 and 3955 kc if frequencies; sensitivity of better than 2.3 microvolts for 10 db S/N ratio; image rejection of better than 80 db; 2.5 watts audio output into external 600 ohm

load; draws 130 watts from 95/105/117/130 190/210/234/260 v, 50/60 cycle ac line.

Special Features: Double conversion super-het above 7.4 mc; crystal controlled 2nd conversion oscillator; variable and crystal controlled first conversion oscillators with provisions for 6 crystals; crystal filter with adjustable bandwidth of .2, .5, 1.3, 8.0, and 13.0 kc at 6 db down; S-Meter with spring return switch to monitor audio output level; noise limiter; ac convenience outlet; phono input; if output jack; send-receive switch with relay socket.

Table Model Dimensions: 12 3/4" x 21 3/8" x 17 1/8" deep.

Table Model Weight: 87 1/2 pounds. Last Amateur Net Price: \$1140.00. Current Used Price: Price varies widely.

### Heath AR-1, 2 & 3



#### AR-1

SIMILAR TO MODEL AR-2, no photograph or further information available. Current Used Price: \$10.00.

#### AR-2

1953-1955

Frequency Coverage: .55 to 35 mc in 4 bands.

Specifications: 5 tubes plus rectifier; 455 kc if; draws 45 watts from 105-125 v, 50/60 cycle ac line.

Special Features: Self contained speaker, calibrated electrical bandspread, and noise limiter.

Dimensions: 11 1/2" x 5 3/4" x 6 3/4" deep. Shipping Weight: 12 pounds.

Last Amateur Net Price: AR-2 Communications Receiver Kit, less cabinet, \$25.50. AR-2 Cabinet.....\$ 4.50. Current Used Price: AR-2 Communications Receiver with cabinet.....\$15.00. Remarks: No photograph available, resembles Model AR-3.

#### AR-3

1955-1961

Frequency Coverage: .55 to 30 mc; (1) .55 to 1.5 mc. (2) 1.5 to 4.0 mc. (3) 4.0 to 10.0 mc. (4) 10.0 to 30.0 mc. Specifications: 4 tubes plus rectifier; 455 kc if; draws 40 watts from 105-125 v, 50/60 cycle ac line.

Special Features: Self contained speaker, calibrated electrical bandspread, and noise limiter.

Dimensions: 11 1/2" x 5 3/4" x 6 3/4" deep.

Shipping Weight: 12 pounds. Last Amateur Net Price: AR-3 Communications Receiver Kit, less cabinet, \$29.95. AR-3 Cabinet.....\$ 4.95. Current Used Price: AR-3 Communications Receiver with cabinet.....\$20.00.

### Heath GC-1 & GC-1A



1959--Still Marketed

Frequency Coverage: .55 to 32 mc; (1) .55 to 1.6 mc. (2) 1.6 to 4.0 mc. (3) 4.0 to 9.0 mc. (4) 9.0 to 20.0 mc. (5) 20.0 to 32.0 mc. Specifications: 10 transistors plus 6 diodes; self contained whip and high impedance unbalanced antenna input; 455 kc if; sensitivity of 10 microvolts for 10 db S/N ratio at 50 mw audio output on broadcast band, 2 microvolts on all other bands; selectivity of 3 kc at 6 db down; 400 mw audio output at 10% distortion into 35 ohm speaker or low impedance phones; draws 35 ma for 50 mw audio output from 12 v dc source of 8 size "C" cells or accessory ac supply. Special Features: Self contained speaker, self contained whip antenna, calibrated electrical bandspread, ceramic filter if system, dial light switch, noise limiter, S-Meter and antenna trimmer.

Accessories: XP-2 117 v ac power supply. Dimensions: 12" x 6 7/8" x 10" deep. Weight: 17 pounds.

Last Amateur Net Price: GC-1A Receiver Kit.....\$109.95. GC-1A Receiver, wired and tested \$193.50. XP-2 Power Supply Kit.....\$ 9.95. Current Used Price: GC-1A Receiver, less ac power supply... \$ 85.00. GC-1A Receiver with XP-2 Power Supply \$ 95.00.

### Heath GR-81



1961--Still Marketed.

Frequency Coverage: 140 kc to 18 mc. Specifications: 2 tubes plus rectifier; long and short single wire antenna input; 1 watt audio output; draws 30 watts from 117 v, 50/60 cycle ac line.

Special Features: Regenerative detector, audio and power supply "basic" receiver; self contained speaker.

Dimensions: 10" x 7" x 7" deep.

Weight: 9 3/4 pounds.

Last Amateur Net Price: GR-81 Receiver Kit.....\$24.95. Current Used Price: GR-81 Receiver.....Not Priced.

### Heath GR-91



1961--Still Marketed.

Frequency Coverage: .55 to 30 mc; (1) .55 to 1.6 mc. (2) 1.6 to 4.0 mc. (3) 4.0 to 10.0 mc. (4) 10.0 to 30.0 mc.

Specifications: 4 tubes plus rectifier; 75 ohm unbalanced and 300 ohm balanced antenna input; 455 kc if; draws 30 watts from 105-125 v, 50/60 cycle ac line.

Special Features: Electrical bandspread, internal speaker, S-Meter, noise limiter

and Q-Multiplier Jack.  
 Dimensions: 12 1/4" x 5 1/4" x 8 1/4" deep.  
 Weight: 9 pounds.  
 Last Amateur Net Price:  
 GR-91 Receiver Kit.....\$39.95.  
 Current Used Price:  
 GR-91 Receiver.....Not Priced.

### Heath HR-10



1961-Still Marketed.

Frequency Coverage: (1) 3.5 to 4.0 mc.  
 (2) 7.0 to 7.3 mc. (3) 14.0 to 14.4 mc.  
 (4) 21.0 to 21.5 mc. (5) 28.0 to 29.9 mc.  
 Specifications: 6 tubes plus rectifier; 1680  
 kc if; requires 105-125 v, 50/60 cycle ac  
 power.  
 Special Features: Crystal lattice filter, pro-  
 visions for internal crystal calibrator, S-  
 Meter, accessory and muting socket, an-  
 tenna trimmer and noise limiter.  
 Accessories: Model HRA-10-1 100 kc crys-  
 tal calibrator.  
 Shipping Weight: 21 pounds.  
 Last Amateur Net Price:  
 HR-10 Basic Amateur Receiver Kit..\$82.95.  
 HRA-10-1 Crystal Calibrator Kit...\$ 8.95.  
 Current Used Price:  
 HR-10 Receiver.....Not Priced.

### Heath HR-20



1962-Still Marketed.

Frequency Coverage: (1) 3.5 to 4.0 mc.  
 (2) 7.0 to 7.3 mc. (3) 14.0 to 14.35 mc.  
 (4) 21.0 to 21.5 mc. (5) 28.0 to 29.7 mc.  
 Specifications: 7 tubes plus voltage regu-  
 lator; 50-75 ohm unbalanced antenna input;  
 sensitivity of less than 1 microvolt for 10  
 db S/N ratio; selectivity of 3 kc at 6 db  
 down and 10 kc at 60 db down; requires 6  
 or 12 v, ac or dc heater supply and draws  
 85 to 125 ma from external 275 to 350 v dc  
 supply.  
 Special Features: 3 mc crystal filter, crys-  
 tal controlled BFO with selectable side-  
 band, SSB/CW product detector, S-Meter,  
 noise limiter and antenna trimmer.  
 Accessories:  
 AK-6 Mobile Base Mount Kit.  
 AK-75" PM Mobile Speaker Kit.  
 HP-10 Transistorized Mobile Power Supply  
 Kit.  
 HP-20 AC Power Supply Kit.  
 Dimensions:  
 HR-20 Single Sideband Rcvr.....  
 12 1/8" x 6 1/8" x 9 15/16" deep.  
 AK-7 Mobile Speaker.....  
 5" x 5" x 2 1/2" deep.  
 HP-10 Mobile Power Supply.....  
 8" x 7 1/2" x 6 1/2" deep.  
 HP-20 AC Power Supply.....  
 9" x 4 3/4" x 6".  
 Weight:  
 HR-20 Single Sideband Rcvr...20 pounds.  
 AK-7 Mobile Speaker.....5 pounds.  
 HP-10 Mobile Power Supply...10 pounds.  
 HP-20 AC Power Supply.....14 pounds.

Last Amateur Net Price:  
 HR-20 Single Sideband Rcvr.....\$134.50.  
 AK-6 Base Mount Kit.....\$ 4.95.  
 AK-7 Mobile Speaker Kit.....\$ 5.95.  
 HP-10 Mobile Power Supply Kit..\$ 44.95.  
 HP-20 AC Power Supply Kit.....\$ 24.95.

### Heath MR-1



1959-Still Marketed.

Frequency Coverage: (1) 3.5 to 4.0 mc.  
 (2) 7.0 to 7.3 mc. (3) 14.0 to 14.35 mc.  
 (4) 21.0 to 21.5 mc. (5) 28.0 to 29.7 mc.  
 Specifications: 7 tubes plus voltage regu-  
 lator; 52 ohm unbalanced antenna input;  
 3.0 mc if; sensitivity of less than 1 micro-  
 volt for 10 db S/N ratio; selectivity of 3 kc  
 at 6 db down and 10 kc at 60 db down; draws  
 3.30 at 6.3 v or 1.65 at 12.6 v ac or dc  
 and 125 ma at 300 v dc from external pow-  
 er source.  
 Special Features: 3 mc crystal filter, SSB/  
 CW product detector, S-Meter, noise lim-  
 iter and antenna trimmer.  
 Accessories: AK-75" PM Mobile Speaker  
 Kit.  
 AK-6 Mobile Base Mount Kit.  
 HP-10 Transistorized Mobile Power Supply  
 Kit.  
 HP-20 AC Power Supply Kit.  
 Dimensions:  
 MR-1 Mobile Receiver.....12 1/8" x  
 6 1/2" x 9 15/16" deep.  
 AK-7 Mobile Speaker.....5" x 5" x 2 1/2"  
 deep.  
 HP-10 Mobile Power Supply.....8" x 7 1/2"  
 x 6 1/2" deep.  
 HP-20 AC Power Supply.....9" x 4 3/4" x  
 6".  
 Weight: MR-1 Mobile Receiver...19 pounds.  
 AK-7 Mobile Speaker.....5 pounds.  
 HP-10 Mobile Power Supply...10 pounds.  
 HP-20 AC Power Supply.....14 pounds.  
 Last Amateur Net Price:  
 MR-1 Mobile Rcvr. Kit.....\$129.95.  
 AK-6 Mobile Base Mount Kit....\$ 4.95.  
 AK-7 Mobile Speaker Kit.....\$ 5.95.  
 HP-10 Mobile Power Supply Kit..\$ 44.95.  
 HP-20 AC Power Supply Kit.....\$ 24.95.  
 Current Used Price:  
 MR-1 Mobile Receiver.....\$105.00.  
 HP-10 Mobile Power Supply.....\$ 25.00.  
 HP-20 AC Power Supply.....\$ 32.00.

### Heath RX-1

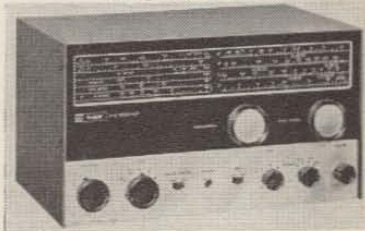


1958-Still Marketed.

Frequency Coverage: (1) 1.8 to 2.0 mc. (2)  
 3.5 to 4.0 mc. (3) 7.0 to 7.3 mc. (4) 14.0  
 to 14.35 mc. (5) 21.0 to 21.45 mc. (6) 29.96  
 to 27.23 mc. (7) 28.0 to 29.7 mc.  
 Specifications: 13 tubes plus regulator and  
 rectifier; 50-72 ohm unbalanced and 150-300  
 ohm balanced antenna input; 50 and 1682 kc  
 if; sensitivity of less than 1 microvolt for  
 10 db S/N ratio; adjustable selectivity of  
 5.0, 3.0, 2.0, 1.0 and 0.5 kc; 2 watts  
 audio output into external 8 or 500 ohm  
 speaker; draws 75 watts from 117 v, 50/60  
 cycle ac line.  
 Special Features: Calibrated scales for 6  
 and 2M coverage with external converters,  
 dual conversion if system with selectable

sideband, notch filter, product detector for  
 SSB/CW, internal crystal calibrator, S-  
 Meter, noise limiter and accessory socket.  
 Accessories: AK-5 8" PM Speaker Kit.  
 Dimensions: 19 1/2" x 11 5/8" x 16" deep.  
 Weight: 52 pounds.  
 Last Amateur Net Price:  
 RX-1 Receiver Kit.....\$299.95.  
 AK-5 Speaker Kit.....\$ 10.95.  
 Current Used Price:  
 RX-1 Receiver less speaker....\$230.00.  
 RX-1 Receiver with AK-5 Speaker.....  
 \$237.00.

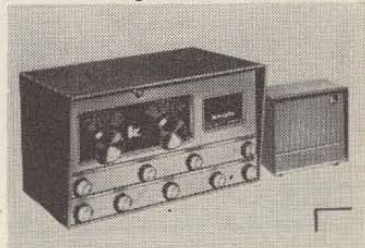
### Knight-Kit R-55



1960-1962

Frequency Coverage: .55 to 36 and 47  
 to 54 mc; (1) .55 to 19mc. (2) 1.9 to 6.0  
 mc. (3) 6.0 to 15.0 mc. (4) 13.0 to 36.0  
 mc. (5) 47.0 to 54.0 mc.  
 Specifications: 5 tubes plus rectifier; 50  
 ohm antenna input; 1650 if; sensitivity  
 ranges from 4 microvolts on 80M to 10  
 microvolts on 6M; draws 60 watts from  
 117vac line.  
 Special Features: \* Internal speaker, cal-  
 ibrated electrical bandsread, flywheel  
 tuning, noise limiter and antenna trim-  
 mer.  
 Accessories: X-10 Crystal Calibrator.  
 Dimensions: 14 1/4" x 8 5/8" x 11" deep.  
 Last Amateur Net Price:  
 R-55 Receiver in kit form.....\$59.95  
 X-10 Crystal Calibrator in kit.... 10.95  
 Current Used Price:  
 R-55 Rec. with X-10 Xtal Cal....70.00  
 R-55 Rec. less X-10 Xtal Cal....67.50

### Knight-Kit R-100



1958-1961

Frequency Coverage: 540 kc to 30 mc in  
 4 bands.  
 Specifications: 7 tubes plus regulator and  
 rectifier; 50-300 ohm balanced or unbal-  
 anced antenna input; 455 kc if; sensitivity  
 ranges from .75 microvolt on 80-40M to  
 1.5 microvolts on 10M for 10 db S/N  
 ratio; Q multiplier provides adjustable  
 selectivity from 300 cps to 4.5 kc at 6 db  
 down; requires 110-125 v, 60 cycle ac  
 power.  
 Special Features: Noise limiter, calibra-  
 ted electrical bandsread, Q multiplier  
 null and peak, regulated B- to HFO, de-  
 layed AVC, antenna trimmer and exalted  
 BFO injection.  
 Accessories: S-8 Speaker Kit, M-5 S-  
 Meter Kit and Crystal Calibrator Kit.  
 Dimensions: 16 1/8" x 9 5/8" x 10 3/4"  
 deep.  
 Shipping Weight: 31 pounds.  
 Last Amateur Net Price:  
 R-100 Receiver kit.....\$99.95  
 S-8 Speaker kit..... 9.95  
 M-5 S-Meter kit..... 12.95  
 X-10 Xtal Calibrator kit..... 10.95  
 Current Used Price: \*  
 R-100 Rec. with all accessories.. 85.00  
 R-100 Rec. less all accessories.. 74.00

## Lafayette KT-200 & HE-10WX



1959-Still Marketed.

Frequency Coverage: .55 to 31 mc; (1) .55 to 1.6 mc. (2) 1.6 to 4.8 mc. (3) 4.8 to 14.5 mc. (4) 10.5 to 31.0 mc.

Specifications: 8 tubes plus rectifier; 455 kc if; sensitivity of 1.25 microvolts for 10 db S/N ratio; selectivity of +10 kc at 60 db down; 1.5 watts audio output into external 4 or 8 ohm speaker; requires 100-125 v, 50/60 cycle ac power.

Special Features: Electrical bandspread, noise limiter and S-Meter.

Accessories: HE-11 4" PM speaker.

Dimensions: 15 1/2" x 8 1/2" x 12" deep. Shipping Weight: 22 pounds.

Last Amateur Net Price:

KT-200WX Receiver Kit.....\$64.50.

HE-10WX wired and tested rcvr...\$79.95.

HE-11 Speaker.....\$ 7.95.

Current Used Price:

HE-10WX Rcvr., less speaker...\$55.00.

HE-10WX Rcvr. with HE-11 Speaker.....\$63.00.

## Lafayette KT-320 & HE-30WX



1960-Still Marketed.

Frequency Coverage: .55 to 30 mc; (1) .55 to 1.6 mc. (2) 1.6 to 4.8 mc. (3) 4.8 to 14.5 mc. (4) 10.3 to 30.0 mc.

Specifications: 8 tubes plus rectifier; 455 kc if; sensitivity of 1 microvolt for 10 db down with Q-Multiplier, 10 kc at 60 db down; 1.5 watts audio output into external 4 or 8 ohm speaker; draws 50 watts from 105-120 v, 60 cycle ac line.

Special Features: Calibrated electrical bandspread, noise limiter, S-Meter, Q-multiplier and antenna trimmer.

Accessories: HE-11 4" PM speaker.

Dimensions: 15" x 7" x 10" deep.

Shipping Weight: 25 pounds.

Last Amateur Net Price:

KT-320 Receiver Kit.....\$79.95.

HE-30WX wired and tested rcvr...\$99.95.

HE-11 Speaker.....\$ 7.95.

Current Used Price:

HE-30WX Receiver, less speaker...\$60.00.

HE-30WX Rcvr. with HE-11 Speaker.....\$68.00.

## Mosley CM-1



1961-Still Marketed.

Frequency Coverage: Amateur band coverage 80 through 10M with 15 mc WWV band. Specifications: 5 tubes plus 4 diodes; 3.5-4.1 mc tunable if and 455 kc fixed if; sensitivity of 0.5 microvolt for 10 db S/N ratio on 10M; selectivity of 2.5 kc at 6 db down; draws 33 watts from 115 v, 50/60 cycle ac line.

Special Features: Double conversion super-het with tunable if, product detector, S-Meter, noise limiter, muting terminals and accessory socket.

Accessories: CMS-1 Speaker; 5 crystals are provided and export, 230 volt, 50/60 cycle model is available.

Dimensions: CM-1 Receiver: 10 1/2" x 7 1/2" x 8" deep.

CMS-1 Speaker: 7 1/2" x 7 1/2" x 8" deep.

Weight: CM-1 Receiver: 14 pounds.

CMS-1 Speaker: 4 pounds.

Last Amateur Net Price:

CM-1 Receiver: \$169.95.

CMS-1 Speaker: \$ 16.95.

Current Used Price:

CM-1 Receiver with speaker.....\$117.00.

## National HFS



.948-1951

Frequency Coverage: 27 to 250 mc in 6 bands using plug-in coils.

Specifications: Complete receiver using super-regenerative detector or used as a tunable converter with conventional super-het receiver tuning 10.6 mc. Required separate power supply or battery source.

Special Features: Internal speaker and super-regenerative detector.

Accessories: Type 5881 AC Power Supply.

Type 686S 6 Volt DC Power Supply.

Last Amateur Net Price: HFS Rcvr...\$125.00

Type 5886 Power Supply.....\$ 37.35

Current Used Price: HFS Receiver with

Type 5886 Power Supply.....\$70.00.

## National HRO-5



.946-1948

Frequency Coverage: 50 to 430 kc and .48 to 30 mc; coil sets A, B and C supplied with basic receiver with the rest as optional equipment: (A) 14.0 to 30.0 mc. (B) 7.0 to 14.4 mc. (C) 3.5 to 7.3 mc. (D) 1.7 to 4.0 mc. (E) .90 to 2.05 mc. (F) 480 to 960 kc. (G) 180 to 430 kc. (H) 100 to 200 kc. (J) 50 to 100 kc.

Specifications: 11 tubes plus rectifier; antenna input of between 300 and 600 ohms, balanced or unbalanced, dependent on frequency; 456 kc if; selectivity adjustable between .2 and 6.5 kc at 5 db down and 3 and 21 kc at 60 db down; audio output of 5,000 ohms into external output transformer and

speaker; draws 70 watts from 115/230 v, 50/60 cycle ac line using the #697 Power Supply and 6.3 amperes at 6 v dc using the #686S Power Supply.

Special Features: Switched bandspread on 80, 40, 20 and 10 meters, noise limiter, crystal filter, S-Meter and standby switch.

Accessories: Type 697 AC Power Supply.

Type 686S 6 volt Power Supply.

Type MCS Table Model Speaker.

Type RFSH Rack Mounted Speaker.

Last Amateur Net Price:

HRO-5 Receiver.....\$274.35.

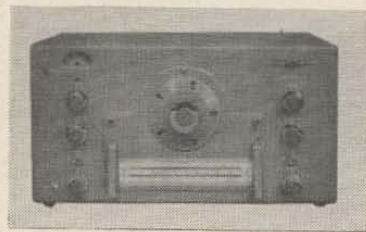
Type 697 AC Power Supply.....\$ 20.35.

Type MCS Speaker.....\$ 12.00.

Current Used Price: HRO-5 Receiver with

AC Power Supply and Speaker...\$ 85.00.

## National HRO-7



1947-1949

Frequency Coverage: 50 to 430 kc and .48 to 30.0 mc; coil sets A, B, C and D supplied with basic receiver with the rest available as optional equipment: (A) 14.0 to 30.0 mc. (B) 7.0 to 14.4 mc. (C) 3.5 to 7.3 mc. (D) 1.7 to 4.0 mc. (E) .90 to 2.05 mc. (F) 480 to 960 kc. (G) 180 to 430 kc. (H) 100 to 200 kc. (J) 50 to 100 kc.

Specifications: 11 tubes plus regulator and rectifier; antenna input of between 300 and 600 ohms, balanced or unbalanced, dependent on frequency; 456 kc if; selectivity adjustable between .2 and 6.5 kc at 6 db down and 3 and 21 kc at 60 db down; audio output of 5,000 ohms into external output transformer and speaker; draws 74 watts from 115/230 v, 50/60 cycle ac line using the #697 Power Supply and 6.5 amperes at 6 v using the #686S Power Supply.

Special Features: Switched bandspread on 80, 40, 20 and 10 meters, noise limiter, crystal filter, S-Meter, tone control, temperature compensated oscillator, accessory socket and standby switch.

Accessories: Type 697 AC Power Supply

Type 686S 6 volt Power Supply.

Type MCR Table Model Speaker.

Type RFSH Rack Mounted Speaker.

Last Amateur Net Price: HRO-7 Receiver

with Type 697 Power Supply and MCR Speaker.....\$311.36.

Current Used Price: HRO-7 Receiver with

power supply and speaker. ....\$125.00.

## National HRO-50



1949-1951

Frequency Coverage: 50 to 430 kc and .48 to 35.0 mc; (A) 14.0 to 30.0 mc. (B) 7.0 to 14.4 mc. (C) 3.5 to 7.3 mc. (D) 1.7 to 4.0 mc. (E) .90 to 2.05 mc. (F) 480 to 960 kc. (G) 180 to 430 kc. (H) 100 to 200 kc. (J) 50 to 100 kc. (AA) 27.5 to 30.0 mc. (AB) 25.0 to 35.0 mc. (AC) 21.0 to 21.5 mc.

Specifications: 12 tubes plus regulator and rectifier; 300 to 600 ohm nominal antenna impedance, balanced or unbalanced; 455 kc if; audio output of 8 watts into external 8 ohm speaker; draws 115 watts

from 110-120 or 220-240 v, 50/60 cycle ac line.

**Special Features:** Calibrated electrical bandspread; noise limiter; crystal filter; S-Meter; tone control; temperature compensated HFO; dial light dimmer; antenna trimmer; standby switch; accessory/external power socket; provisions for internal crystal calibrator and NBFM adaptor.

**Accessories:** HRO-50TS Table Model Speaker.

NFM-50 Narrow-Band FM Adaptor.  
XCU Crystal Calibrator.

SOJ-3 Select-O-Ject.

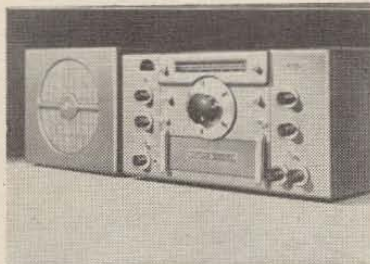
650S Vibrator Power Supply.

HRO-50RS Rack Mounted Speaker.

Last Amateur Net Price:

HRO-50 Receiver.....\$349.00.  
HRO-50TS Speaker.....\$ 15.00.  
XCU Crystal Calibrator.....\$ 19.95.  
Current Used Price: HRO-50 Receiver with speaker and Crystal Calibrator...\$190.00.

### National HRO-60



1952-Still Marketed.

**Frequency Coverage:** 50 to 430 kc and .48 to 54.0 mc coils available. Receiver supplied with 1.7 to 30 mc coils which may be switched to provide bandspread coverage on 80, 40, 20 and 10 meters.

**Specifications:** 15 tubes plus filament regulator, voltage regulator and rectifier; 456 and 2010 kc if; sensitivity better than 1 microvolt for 10 db S/N ratio; selectivity adjustable from .08 to 3.5 kc at 6 db down; operates from 115/230 v, 50/60 cycle ac line.

**Special Features:** Dual conversion superhet above 7.0 mc; calibrated electrical band spread; noise limiter; crystal filter; filament and B- regulation on HFO; provision for crystal calibrator with front panel control; tone control; antenna trimmer; S-Meter; phono jack; provisions for narrow band FM adaptor; auxiliary power socket; high fidelity audio system and receive-standby switch.

**Accessories:** HRO-60TS Speaker

XCU-2 Crystal Calibrator

NFM-82-60 NFM Adaptor.

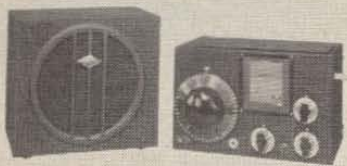
Dimensions: 10 1/8" x 19 3/4" x 16 1/2" deep.

Weight: 88 pounds.

Last Amateur Net Price:

HRO-60 Receiver.....\$745.00.  
XCU-2 Crystal Calibrator.....\$ 29.95.  
NFM-82-60 NFM Adaptor.....\$ 22.95.  
HRO-60TS Speaker.....\$ 19.95.  
Current Used Price:  
HRO-60 Receiver.....\$225.00.  
HRO-60TS Speaker.....\$ 10.00.

### National NCI-10A



1946-1948

**Frequency Coverage:** 27 to 290 mc with sets of plug-in coils.

**Specifications:** 4 tubes; balanced or unbal-

anced antenna, 7000 ohm audio output transformer and speaker; operates from batteries or #5886 Power Supply.

**Special Features:** TRF circuit with super-regenerative detector.

**Accessories:** Type 5886 Power Supply.

Last Amateur Net Price:

NC-1-10A Receiver.....\$67.50.  
Type 5886 Power Supply.....\$22.43.  
Current Used Price: NC-1-10A Receiver with power supply.....\$40.00.

### National NC-33



1948-1950

**Frequency Coverage:** 500 kc to 35 mc in 4 bands.

**Specifications:** Operates from 110-120 v, 50/60 cycle ac or dc line.

**Special Features:** Internal speaker; electrical bandspread; noise limiter and receive-standby switch.

Last Amateur Net Price: \$65.95.

Current Used Price: \$25.00.

### National NC-46



1946-1949

**Frequency Coverage:** .54 to 30.0 mc; (1) .54 to 1.6 mc. (2) 1.55 to 4.6 mc. (3) 4.4 to 12.0 mc. (4) 11.5 to 30.0 mc.

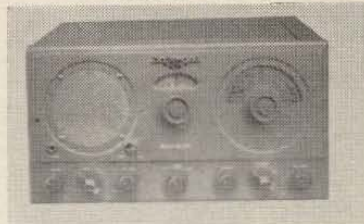
**Specifications:** 9 tubes plus rectifier; balanced or unbalanced antenna input; 455 kc if; 4 watts audio output into external 10 ohm speaker; draws 65 watts from 110-130 v, 50/60 cycle ac or dc line.

**Special Features:** Bandspread tuning; noise limiter; tone control and external muting terminals.

Last Amateur Net Price: \$97.50.

Current Used Price: \$30.00.

### National NC-57



1947-1950

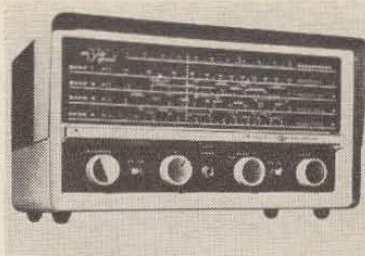
**Frequency Coverage:** .54 to 55.0 mc; (1) .54 to 1.6 mc. (2) 1.6 to 4.65 mc. (3) 4.65 to 13.5 mc. (4) 13.5 to 35.0 mc. (5) 35.0 to 55.0 mc.

**Specifications:** 7 tubes plus regulator and rectifier; 300 ohm nominal, balanced or unbalanced, antenna input; 455 kc if; draws 84 watts from 105-130 v, 50/60 cycle ac line.

**Special Features:** Self-contained speaker; electrical bandspread; noise limiter; antenna trimmer and accessory/power soc-

ket.  
**Accessories:** SM-57 Tuning Meter.  
Last Amateur Net Price: \$89.50.  
Current Used Price: \$52.00.

### National NC-60



1958-Still Marketed.

**Frequency Coverage:** .54 to 31.0 mc; (1) .54 to 1.6 mc. (2) 1.6 to 4.5 mc. (3) 4.0 to 12.0 mc. (4) 10.5 to 31.0 mc.

**Specifications:** 4 tubes plus rectifier; unbalanced antenna input; 455 kc if; operates on 115 v, 50/60 cycle ac or dc line.

**Special Features:** Internal speaker; electrical bandspread and receive-standby switch.

Dimensions: 7 5/8" x 13 1/2" x 8 5/8" deep.

Weight: 15 pounds.

Last Amateur Net Price: \$59.95.

Current Used Price: \$45.00.

### National NC-66



1957-1961

**Frequency Coverage:** 150 to 400 kc and .5 to 23.0 mc; (1) 150 to 400 kc. (2) .5 to 1.4 mc. (3) 1.4 to 4.05 mc. (4) 4.0 to 11.4 mc. (5) 11.0 to 23.0 mc.

**Specifications:** 5 tubes plus selenium rectifier; ferrite loop antenna for bands 1 and 2 with whip for other bands; external antenna input of 50-300 ohms unbalanced; operates on 115 v ac or self-contained batteries; 220 v ac operation possible with accessory adaptor.

**Special Features:** Internal speaker; electrical bandspread; provisions for external direction finder for low frequency bands and receive-standby switch.

**Accessories:** RDF-66 Direction Finder Loop. 220 v Adaptor.

Dimensions: 9 11/16" x 12 5/16" x 10" deep.

Shipping Weight: 16 pounds.

Last Amateur Net Price:

NC-66 Receiver.....\$129.95.  
RDF-66 Direction Finder.....\$ 17.00.

### National NC-88



1953-1954

**Frequency Coverage:** .54 to 40 mc. (1) .54 to 1.6 mc. (2) 1.6 to 4.7 mc. (3) 4.7 to 15.0 mc. (4) 14.0 to 40.0 mc.

**Specifications:** 8 tubes plus rectifier; 1.5 watts audio output to internal 3.2 ohm speaker.

Special Features: Calibrated electrical bandspread; internal speaker; antenna trimmer; tone control; phono input; noise limiter and receive-standby switch.  
Last Amateur Net Price: \$99.95.  
Current Used Price: \$80.00.

### National NC-98



1954-1956

Frequency Coverage: .54 to 40.0 mc; (1) .54 to 1.6 mc. (2) 1.6 to 4.7 mc. (3) 4.7 to 15.0 mc. (4) 14.0 to 40.0 mc.  
Specifications: 8 tubes plus rectifier; 455 kc if; 1 rf and 2 if stages.  
Special Features: Calibrated electrical bandspread; crystal filter; tone control; S-Meter; delayed AVC; antenna trimmer; noise limiter; phono input and receive-standby switch.  
Last Amateur Net Price: \$149.95.  
Current Used Price: \$96.00.

### National NC-105



1961-Still Marketed.

Frequency Coverage: .55 to 30 mc; (1) .55 to 1.6 mc. (2) 1.6 to 4.5 mc. (3) 4.0 to 12.0 mc. (4) 11.0 to 30.0 mc.  
Specifications: 5 tubes plus rectifier; 50-300 ohms antenna input; 455 kc if; 3.2 ohm audio output to internal speaker; draws 49 watts from 105-125 v, 50/60 cycle ac line.  
Special Features: Internal speaker; Q-Multiplier; separate product detector for CW/SSB reception; noise limiter; electrical bandspread; S-Meter and AGC on all modes of reception.  
Dimensions: 7 5/8" x 13 1/2" x 8 5/8" deep. (Steel cabinet model.)  
Shipping Weight: 28 pounds.  
Last Amateur Net Price:  
NC-105, steel cabinet: \$119.95.  
NC-105W, Wood cabinet: \$139.95.  
Current Used Price: NC-105.....\$92.00.

### National NC-109



1957-1960

Frequency Coverage: .54 to 40.0 mc; (1) .54 to 1.6 mc. (2) 1.6 to 4.7 mc. (3) 4.7 to 15.0 mc. (4) 14.0 to 40.0 mc.  
Specifications: 9 tubes plus regulator and rectifier; 50-300 ohm, balanced or unbalanced, antenna input; 455 kc if; sensitivity of 1 to 2 microvolts for 10 db S/N ratio.

selectivity of from .2 to 5.2 kc at 6 db down to 10 to 29.5 kc at 60 db down; 1.5 watts audio output into external 3.2 ohm speaker.  
Special Features: Calibrated electrical bandspread; crystal filter; S-Meter; separate product detector for CW/SSB reception; noise limiter; antenna trimmer; tone control; phono jack and accessory socket.  
Accessories: XCU Crystal Calibrator. NFM-83-60 Narrow Band FM Adaptor. Table Model Speaker.  
Dimensions: 10" x 16 13/16" x 10 7/8" deep.  
Shipping Weight: 35 pounds.  
Last Amateur Net Price:  
NC-109 Receiver.....\$199.95.  
Matching Speaker.....\$ 17.50.  
Current Used Price:  
NC-109 Receiver with speaker...\$125.00.

### National NC-125



1950-1956

Frequency Coverage: .56 to 35.0 mc; (1) .56 to 1.6 mc. (2) 1.6 to 4.4 mc. (3) 4.4 to 13.0 mc. (4) 12.0 to 36.0 mc.  
Specifications: 9 tubes plus regulator and rectifier; sensitivity of 3 microvolts on 10 meter band for 10 db S/N ratio.  
Special Features: Select-O-Ject audio circuit; S-Meter; antenna trimmer; noise limiter; tone control and receive-standby switch.  
Accessories: NC-125TS Speaker.  
Last Amateur Net Price:  
NC-125 Receiver.....\$149.50.  
NC-125TS Speaker.....\$ 11.00.  
Current Used Price:  
NC-125 Receiver.....\$ 95.00.  
NC-125TS Speaker.....\$ 10.00.

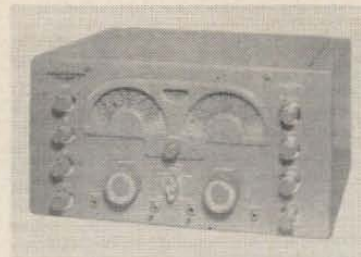
### National NC-155



1961-Still Marketed.

Frequency Coverage: (1) 3.5 to 4.0 mc. (2) 7.0 to 7.3 mc. (3) 14.0 to 14.35 mc. (4) 21.0 to 21.5 mc. (5) 28.0 to 30.0 mc. (6) 50.0 to 54.0 mc.  
Specifications: 8 tubes plus rectifier and regulator; coaxial antenna input; 230 and 2215 kc if; 1 watt at 10% distortion audio output to 3.2 ohm load; sensitivity of better than 1 microvolt for 10 db S/N ratio; selectivity adjustable from .6 to 5 kc; operates from 105-125 v, 50/60 cycle ac line.  
Special Features: Double conversion superhet; Ferrit if filter with adjustable selectivity; 60:1 planetary tuning drive; S-Meter; provisions for crystal calibrator with front panel corrector; product detector for CW/SSB reception; noise limiter; antenna trimmer and receive-standby switch.  
Accessories: XCU-109 Crystal Calibrator. NTS-3 Speaker.  
Dimensions: 8 5/8" x 15 5/8" x 9" deep.  
Weight: 28 pounds.  
Last Amateur Net Price:  
NC-155 Receiver.....\$199.95.  
XCU-109 Xtal Calibrator.....\$ 20.95.  
NTS-3 Speaker.....\$ 19.95.  
Current Used Price:  
NC-155 Receiver.....\$149.00.

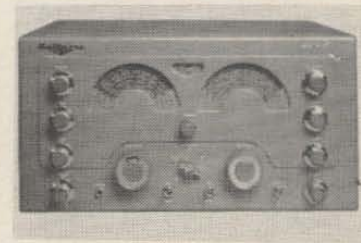
### National NC-173



1947-1949

Frequency Coverage: .54 to 31.0 and 48.0 to 56.0 mc; (1) .54 to 1.6 mc. (2) 1.6 to 4.3 mc. (3) 4.3 to 12.0 mc. (4) 12.0 to 31.0 mc. (5) 48.0 to 56.0 mc.  
Specifications: 11 tubes plus regulator and rectifier; 500 ohm average antenna input impedance, balanced or unbalanced; 455 kc if; 8 or 500 ohm audio output impedance; draws 83 watts from 110-120 or 220-240 v, 50/60 cycle ac line.  
Special Features: 6 position crystal filter; S-Meter; noise limiter; phono jack; tone control; antenna trimmer; receive-standby switch and external power socket.  
Last Amateur Net Price: \$179.50.  
Current Used Price: \$109.00.

### National NC-183



1947-1952

Frequency Coverage: .54 to 31.0 mc and 48.0 to 56.0 mc; (1) .54 to 1.6 mc. (2) 1.6 to 4.3 mc. (3) 4.3 to 12.0 mc. (4) 12.0 to 31.0 mc. (5) 48.0 to 56.0 mc.  
Specifications: 14 tubes plus regulator and rectifier; 300 ohm nominal, balanced or unbalanced antenna input; 455 kc if; 8 watts audio output into 8 or 500 ohm load; draws 125 watts from 110-120 or 220-240 v, 50/60 cycle line.  
Special Features: Calibrated electrical bandspread; S-Meter; tone control; crystal filter; noise limiter; phono jack; antenna trimmer and accessory/external power socket.  
Last Amateur Net Price: NC-183 Receiver complete with speaker.....\$269.00.  
Current Used Price: NC-183 Receiver with speaker.....\$139.00.

### National NC-183D



1952-1958

Frequency Coverage: .54 to 31.0 mc and 48.0 to 56.0 mc; (1) .54 to 1.6 mc. (2) 1.6 to 4.4 mc. (3) 4.4 to 12.0 mc. (4) 12.0 to 31.0 mc. (5) 48.0 to 56.0 mc.  
Specifications: Updated version of the NC-183 with the following additional features: Dual conversion on bands 3, 4, and 5; new crystal filter with front panel control; new noise limiter and improved sensitivity.  
Last Amateur Net Price: \$449.00.  
Current Used Price: \$210.00.

### National NC-188



1957-1960

Frequency Coverage: .54 to 40 mc; (1) .54 to 1.6 mc. (2) 1.6 to 4.7 mc. (3) 4.7 to 15 mc. (4) 14.0 to 40.0 mc.

Specifications: 8 tubes plus rectifier; 50-300 ohm, balanced or unbalanced antenna input; sensitivity of better than 2.5 microvolts for 10 db S/N ratio; selectivity of 5.2 kc at 6 db down and 22 kc at 60 db down; 1.5 watts audio output into external speaker.

Special Features: Calibrated electrical bandspread; S-Meter; noise limiter; tone control; antenna trimmer and receive-standby switch.

Accessories: NTS-1 Speaker.

Dimensions: 10" x 16 13/16" x 10 7/8" deep.

Shipping Weight: 35 pounds.

Last Amateur Net Price:

NC-188 Receiver.....\$159.95.

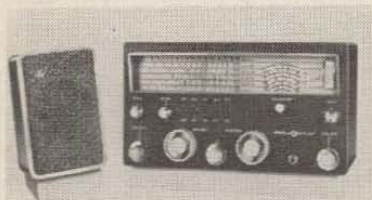
NTS-1 Speaker.....\$ 17.50.

Current Used Price:

NC-188 Receiver.....\$ 98.00.

NTS-1 Speaker.....\$ 10.00.

### National NC-190



1961-Still Marketed.

Frequency Coverage: .54 to 30 mc; (1) .54 to 1.6 mc. (2) 1.6 to 4.0 mc. (3) 4.0 to 10.0 mc. (4) 10.0 to 20.0 mc. (5) 20.0 to 30.0 mc.

Specifications: 8 tubes plus rectifier and regulator; coaxial antenna input; 230 and 2215 kc if; 1 watt at 10% distortion audio output to 3.2 ohm load; sensitivity of better than 1 microvolt for 10 db S/N ratio; selectivity adjustable from .6 to 5 kc; operates from 105-125 v, 50/60 cycle ac line.

Special Features: Double conversion superhet; Ferrite rf filter with adjustable selectivity; 60:1 planetary tuning drive; S-Meter; calibrated electrical bandspread on amateur and short wave broadcast bands; provisions for crystal calibrator with front panel corrector; product for CW/SSB reception; noise limiter; antenna trimmer and receive-standby switch.

Accessories: XCU-109 Crystal Calibrator.

NTS-3 Speaker.

Dimensions: 8 5/8" x 15 5/8" x 9" deep.

Weight: 28 pounds.

Last Amateur Net Price:

NC-190 Receiver.....\$219.95.

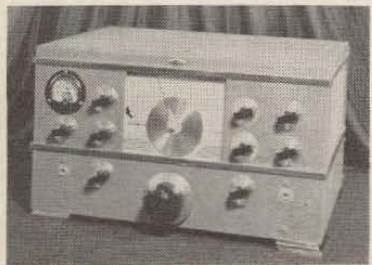
XCU-109 Crystal Calibrator.....\$ 20.95.

NTS-3 Speaker.....\$ 19.95.

Current Used Price: NC-190 Receiver with

XCU-109 Crystal Calibrator.....\$175.00.

### National NC-240C, CS & D



NC-240C: 1946-1949

NC-240D: 1947-1949

Frequency Coverage, NC-240C: .49 to 30.0 mc; (1) .49 to 1.0 mc. (2) 1.0 to 2.0 mc. (3) 1.7 to 4.0 mc. (4) 3.5 to 7.3 mc. (5) 7.0 to 14.4 mc. (6) 14.0 to 30.0 mc.

NC-240D: Same as NC-240C except 4 additional bandspread ranges for 10, 20, 40 and 80 meters.

NC-240CS: 200 to 400 kc and 1 mc to 30 mc; (1) 200 to 400 kc. (2) 1.0 to 2.0 mc. (3) 1.7 to 4.0 mc. (4) 3.5 to 7.3 mc. (5) 7.0 to 14.4 mc. (6) 14.0 to 30.0 mc.

Specifications: 11 tubes plus rectifier; 500 ohm balanced or unbalanced antenna input; 455 kc if; 8 watts audio output to external 10,000 ohm plate to plate output transformer for NC-240C, internal transformer with 8 and 500 ohm output windings for NC-240 CS; selectivity adjustable from .2 to 7.5 kc at 6 db down and from 2.0 to 21.5 kc at 60 db down; requires 110-120 or 220-240 v, 50/60 cycle ac power.

Special Features: Calibrated amateur band bandspread on NC-240D; crystal filter; noise limiter; S-Meter; tone control; phono jack; accessory/external power socket.

Last Amateur Net Price: \$375.00.

Current Used Price: \$100.00.

### National NC-270



1960-Still Marketed.

Frequency Coverage: (1) 3.5 to 4.0 mc. (2) 7.0 to 7.3 mc. (3) 14.0 to 14.4 mc. (4) 21.0 to 21.5 mc. (5) 28.0 to 29.7 mc. (6) 50.0 to 54.0 mc.

Specifications: 8 tubes plus regulator and rectifier; 52 ohm unbalanced antenna input; 230 and 2445 kc if; 1.5 watts audio output at 10% distortion to external 3.2 ohm speaker; sensitivity of better than 1 microvolt for 10 db S/N ratio; LSB and USB selectivity of 3 kc at 6 db down and 12 kc at 40 db down; AM/CW selectivity adjustable from slightly less than 1 kc to slightly less than 6 kc at 6 db down to 6 to 17 kc at 40 db down; draws 75 watts from 105-125 v, 50/60 cycle ac line.

Special Features: Double conversion superhet with adjustable bandwidth and selectable sideband; product detector for SSB reception; T-Notch filter; noise limiter; S-Meter; antenna trimmer; crystal calibrator with front panel corrector; crystal controlled 2nd converter oscillator; receive-standby switch.

Accessories: NTS-3 Speaker.

Dimensions: 8 5/8" x 15 5/8" x 9" deep.

Weight: 28 pounds.

Last Amateur Net Price:

NC-270 Receiver.....\$279.95.

NTS-3 Speaker.....\$ 19.95.

Current Used Price:

NC-270 Receiver.....\$185.00.

NTS-3 Speaker.....\$ 10.00.

### National NC-300



1955-1958

Frequency Coverage: (1) 1.8 to 2.0 mc. (2) 3.5 to 4.0 mc. (3) 7.0 to 7.3 mc. (4) 14.0 to 14.4 mc. (5) 21.0 to 21.5 mc. (6) 26.5 to 27.5 mc. (7) 28.0 to 29.7 mc. Following bandswitch positions and calibrated scales provided for accessory converters: (8) 49.5 to 54.5 mc. (9) 143.5 to 148.5. (10) 220.0 to 225.0 mc.

Specifications: 10 tubes plus filament regulator, voltage regulator and rectifier; 50-300 ohms antenna input impedance; 80 and 2215 kc if; 1 watt audio output into external 8 ohm speaker; noise figure of 4 db on 20 meters and 5 db on 10 meters; selectivity of .5, 3.5 and 8 kc at 6 db down; draws 60 watts from 110-120 v, 60 cycle ac line.

Special Features: Double conversion superhet; optional crystal calibrator; crystal filter; separate product detector for SSB reception; noise limiter; tone control; S-Meter; phono jack; separate rf and if gain controls; calibration corrector; accessory converter switching using 30 to 35 mc tunable if; muting terminals and accessory socket with af input, if output and rf gain points brought out.

Accessories:

NC-300TS Speaker.

XCU-300 Crystal Calibrator.

NC-300CC Converter Cabinet.

NC-300 C1 220-225 mc Converter.

NC-300 C2 143.5-148.5 mc Converter.

NC-300 C6A 49.5-54.5 mc Converter.

Dimensions: 11 1/4" x 19 1/4" x 15" deep.

Shipping Weight: 60 pounds.

Last Amateur Net Price:

NC-300 Receiver.....\$349.95.

NC-300TS Speaker.....\$ 19.95.

Current Used Price:

NC-300 Receiver.....\$215.00.

NC-300TS Speaker.....\$ 10.00.

### National NC-303



1958-Still Marketed.

Frequency Coverage: (1) 1.8 to 2.0 mc. (2) 3.5 to 4.0 mc. (3) 7.0 to 7.3 mc. (4) 14.0 to 14.4 mc. (5) 21.0 to 21.5 mc. (6) 26.5 to 27.5 mc. (7) 28.0 to 29.7 mc.

Following bandswitch positions and calibrated scales provided for accessory converters using 30 to 35 mc, tunable if input: (8) 49.5 to 54.5 mc. (9) 143.5 to 148.5 mc. (10) 220.0 to 225.0 mc.

Specifications: 12 tubes plus current regulator, voltage regulator and rectifier; 80 and 2215 kc if; sensitivity of better than 1 microvolt for 10 db S/N ratio; selectivity of .4, 2.0, 3.5 and 8.0 kc at 6 db down; operates from 110-120 v, 50/60 cycle ac line.

Special Features: Double conversion superhet with selectable sideband; separate product detector and noise limiter for SSB reception; automatic noise limiter for AM reception; crystal controlled 2nd converter oscillator; fast attack, slow release AGC for SSB/CW; Q-Multiplier; tone control; provisions for optional crystal calibrator with front panel corrector and WWV reception; S-Meter; muting terminals with provisions for accessory converter switching; muting and provision for control of rf gain during transmission.

Accessories:

NTS-2 Speaker.

XCU-303 Crystal Calibrator and WWV  
ceiver Converter.  
NC-303 Converter Cabinet.  
NC-300C1 1 1/4 Meter Converter.  
NC-300C2 2 Meter Converter.  
NC-300C6A 6 Meter Converter.  
Dimensions: 11 1/4" x 19 1/2" x 15" deep.  
Weight: 64 pounds.  
Last Amateur Net Price:  
NC-303 Receiver.....\$449.00.  
NTS-2 Speaker.....\$ 19.95.  
Current Used Price:  
NC-303 Receiver.....\$235.00.  
NTS-2 Speaker.....\$ 10.00.

### National NC-400



1959-Still Marketed.

Frequency Coverage: .54 to 31.0 mc; (1) .54 to 1.1 mc. (2) 1.1 to 2.1 mc. (3) 2.1 to 4.1 mc. (4) 4.1 to 7.0 mc. (5) 6.9 to 12.2 mc. (6) 11.8 to 20.4 mc. (7) 19.6 to 31.0 mc.  
Specifications: 16 tubes plus regulator and rectifier; 455 and 2175 kc if; sensitivity of less than 1 microvolt for 10 db S/N ratio; frequency stability of .002% after warm-up; requires 110 or 220 v, 50/60 cycle ac power.  
Special Features: Double conversion super-het above 7 mc; manual tuning with option of using internal or external crystals for all oscillators; 5 crystal sockets provided for fixed channel operation; selectable sideband if system with adjustable selectivity and crystal filter which may be removed to install up to 3 mechanical filters; product detector for SSB reception; fast attack, slow decay AGC for SSB reception; amplified S-Meter; automatic noise limiter for AM, manual noise limiter for CW/SSB; optional crystal calibrator with front panel corrector; tone control; antenna trimmer; if, detector and AGC outputs terminated on rear of chassis for use with external loads of combiners.  
Accessories:  
NTS-2 Speaker.  
XCU-400 Crystal Calibrator.  
NC-400 DMK Diversity Modification Kit.  
NC-400 FH Mechanical Filter Housing.  
MX-400 40 Channel Crystal Adaptor.  
Dimensions: 11 1/4" x 19 1/2" x 16" deep.  
Shipping Weight: 72 pounds.  
Last Amateur Net Price:  
NC-400 Receiver.....\$895.00.  
NTS-2 Speaker.....\$ 21.95.  
Current Used Price:  
NC-400 Receiver: \$500.00. Price varies widely.  
NTS-2 Speaker: \$10.00.

### National SW-54



1951-1958

Frequency Coverage: .54 to 30.0 mc; (1) .54 to 1.6 mc. (2) 1.6 to 4.7 mc. (3) 4.6 to 14.5 mc. (4) 12.0 to 30.0 mc.  
Specifications: 4 tubes plus rectifier; 455 kc if; 1.6 watts audio output into internal speaker; selectivity of 3.4 kc at 6 db down and 49.5 kc at 60 db down with 100 microvolts input; draws 25 watts from 105-130 v,

50/60 cycle ac or dc line.  
Special Features: Internal speaker; receive-standby switch and speakerphone switch.  
Last Amateur Net Price: \$59.95.  
Current Used Price: \$30.00.

### RME 45

1946-?

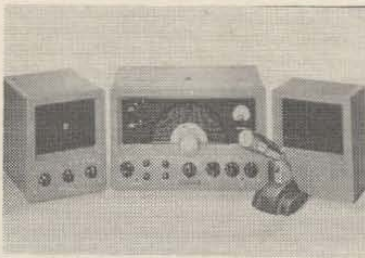
Frequency Coverage: .54 to 33.0 mc; (1) .54 to 1.6 mc. (2) 1.6 to 2.9 mc. (3) 2.9 to 5.4 mc. (4) 5.4 to 9.8 mc. (5) 9.8 to 18.0 mc. (6) 18.0 to 33.0 mc.  
Specifications: 8 tubes plus regulator and rectifier; balanced or unbalanced antenna input; 455 kc if; 4/6 ohm audio output; operates from 115 v, 60 cycle ac line.  
Special Features: Calibrated mechanical bandspread; crystal filter; tone control; S-Meter; noise limiter and receive-standby-transmit switch.  
Last Amateur Net Price: \$198.70.  
Current Used Price: \$75.00.

### RME 84 & 84 A

1946-?

Frequency Coverage: .54 to 44.0 mc; (1) .54 to 1.65 mc. (2) 1.65 to 5.0 mc. (3) 5.0 to 15.0 mc. (4) 15.0 to 44.0 mc.  
Specifications: 7 tubes plus rectifier; balanced or unbalanced, 300 ohm antenna input; 455 kc if; audio output of 1.1 watts to internal speaker; draws 62 watts from 117 v, 60 cycle ac line.  
Special Features: Internal speaker; mechanical bandspread system; noise limiter; tone control; socket for optional S-Meter; accessory/external power socket and receive-standby switch.  
Dimensions: 9 3/8" x 18" x 9 3/4" deep.  
Last Amateur Net Price: \$98.70.  
Current Used Price: \$52.00.

### RME 4300



1956-1958

Frequency Coverage: Amateur band coverage, 1.76 to 29.8 mc.  
Specifications: 6 tubes plus regulator and rectifier; 455 kc if; 4 ohm audio output; selectivity of 2.8 kc at 6 db down and 14 kc at 60 db down; sensitivity of 2 microvolts for 10 db S/N ratio; operates from 117 v, 50/60 cycle ac line.  
Special Features: Crystal filter with adjustable selectivity; dual speed tuning drive; noise limiter; S-Meter; provisions for use with external SSB adaptor; receive-transmit-standby switch.  
Dimensions: 10" x 16 1/2" x 10" deep.  
Last Amateur Net Price: \$194.00.  
Current Used Price: \$125.00.

### RME 4350



1958-1960

Frequency Coverage: (1) 1.8 to 2.0 mc. (2) 3.5 to 4.0 mc. (3) 7.0 to 7.3 mc. (4) 14.0 to

14.35 mc. (5) 21.0 to 21.5 mc. (6) 26.95 to 29.7 mc.

Specifications: 8 tubes plus regulator and rectifier; balanced or unbalanced antenna input; 455 and 2195 kc if frequencies; sensitivity of 2 microvolts for 10 db S/N ratio; audio output of 1.5 watts into external 4 ohm speaker; draws 65 watts from 117 v, 50/60 cycle ac line.  
Special Features: Double conversion super-het; dual speed tuning drive; crystal calibrator with front panel corrector; crystal filter with adjustable selectivity; antenna trimmer; noise limiter; S-Meter; provisions for external SSB adaptor; adjustable BFO injection; receive-transmit-standby switch.  
Dimensions: 10" x 16 1/2" x 10" deep.  
Weight: 32 pounds.  
Last Amateur Net Price: \$249.00.  
Current Used Price: \$150.00.

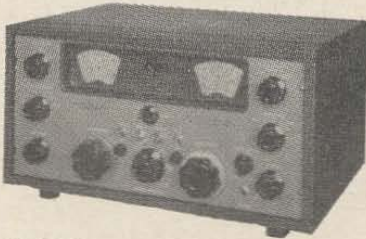
### RME 6900



1960-Still Marketed.

Frequency Coverage: (1) 10.0 to 11.0 mc. (2) 3.5 to 4.0 mc. (3) 7.0 to 7.3 mc. (4) 14.0 to 14.4 mc. (5) 21.0 to 21.5 mc. (6) 28.0 to 29.7 mc.  
Specifications: 11 tubes plus regulator and 2 silicon diodes; antenna input of 50-400 ohms, balanced or unbalanced; 57 and 2195 kc if frequencies; sensitivity of 1 microvolt for 50 mw audio output at 10 db S/N ratio; adjustable selectivity of .5, 2.0 and 3.6 kc at 5 db down and 3.3, 7.3 and 11 kc at 60 db down; audio output of 1 watt into external 4 and 500 ohm loads; draws 55 watts from 117 v, 50/60 cycle ac line.  
Special Features: Dual conversion super-het; crystal controlled 2nd conversion oscillator; T-Notch filter; if noise limiter system; separate SSB detector; internal crystal calibrator with front panel corrector; adjustable BFO injection; antenna trimmer; adjustable delay AGC system; S-Meter; receive-transmit-standby switch.  
Dimensions: 9 3/4" x 17" x 12 1/8" deep.  
Weight: 35 pounds.  
Last Amateur Net Price: \$349.00.  
Current Used Price: \$250.00.

### Technical Materiel GPR-90



1956-1959

Frequency Coverage: .54 to 31.0 mc, in six bands.  
Specifications: 13 tubes plus rectifier and voltage regulator; 75 ohm unbalanced or 300 ohm balanced antenna input; 4, 8, 16 and 600 ohm audio output impedance; sensitivity 1 microvolt for 10-1 signal to noise power ratio; selectivity variable in 6 steps from 200 cy to 5KC; 105-125vac 50/60 cy., at approx. 90 watts; also 250 vdc @ .01A and 6v. @ 6A.  
Special Features: dial locks; noise limiter; calibrated "S" meter.  
Dimensions: 20" x 10" x 15" in cabinet; also can be rack mounted.  
Weight: 52 pounds.  
Last Amateur Net Price: \$495.00  
Current Used Price: \$325.00