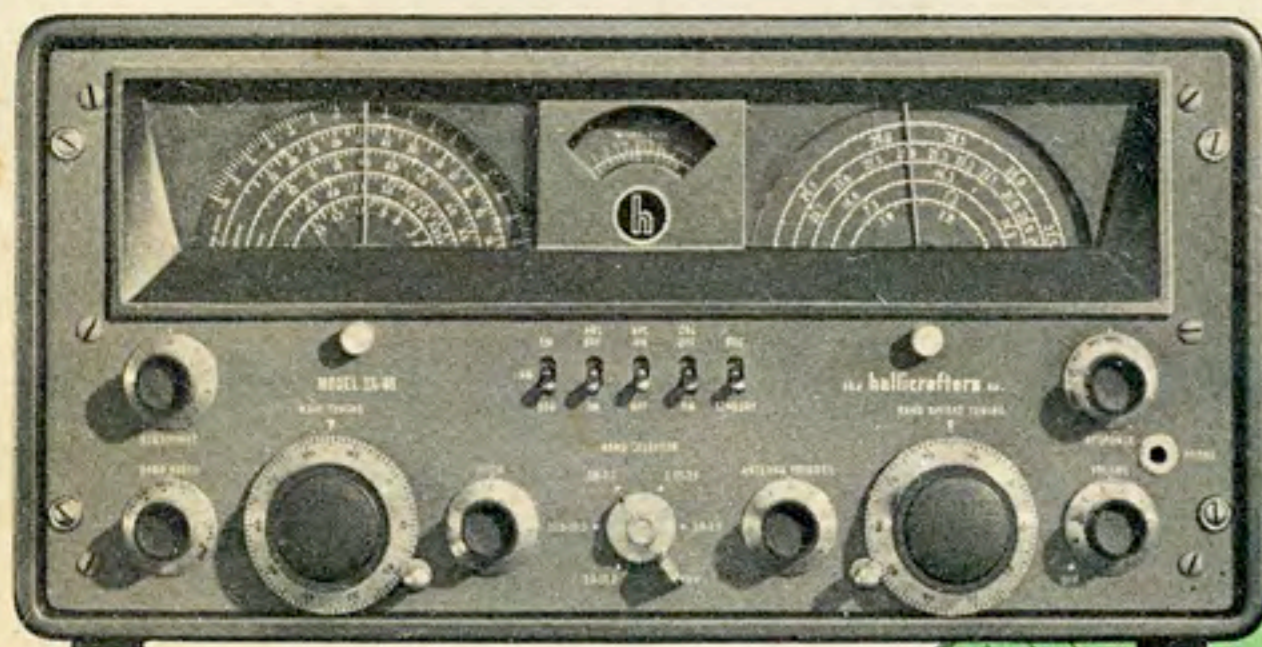


communications equipment



precision  
built  
by

# HALLICRAFTERS

## look to hallicrafters

There is no other radio like a Hallicrafters. Its precision construction and skillful engineering will bring you superb performance on the short-wave bands *plus* fine quality reception of your favorite broadcast programs. Thrilling land, sea and air communications from all parts of the world *plus* hours of enjoyment on

the amateur bands are yours with a Hallicrafters. These world-famous precision instruments have been sold in 89 different countries, used by 33 governments. They are remembered by veterans, prized by experts, and preferred by radio amateurs who want a radio that is all radio.

THE HALLICRAFTERS CO. • CHICAGO 24, ILLINOIS

S-708 31A3219

DISTRIBUTED BY  
BEACON ELECTRONICS INC.  
411 Columbia Street, Utica, N.Y.  
680 Mill Street Watertown, N.Y.

# 89 Countries 33 Governments

rely on dependable communications by

# HALLICRAFTERS

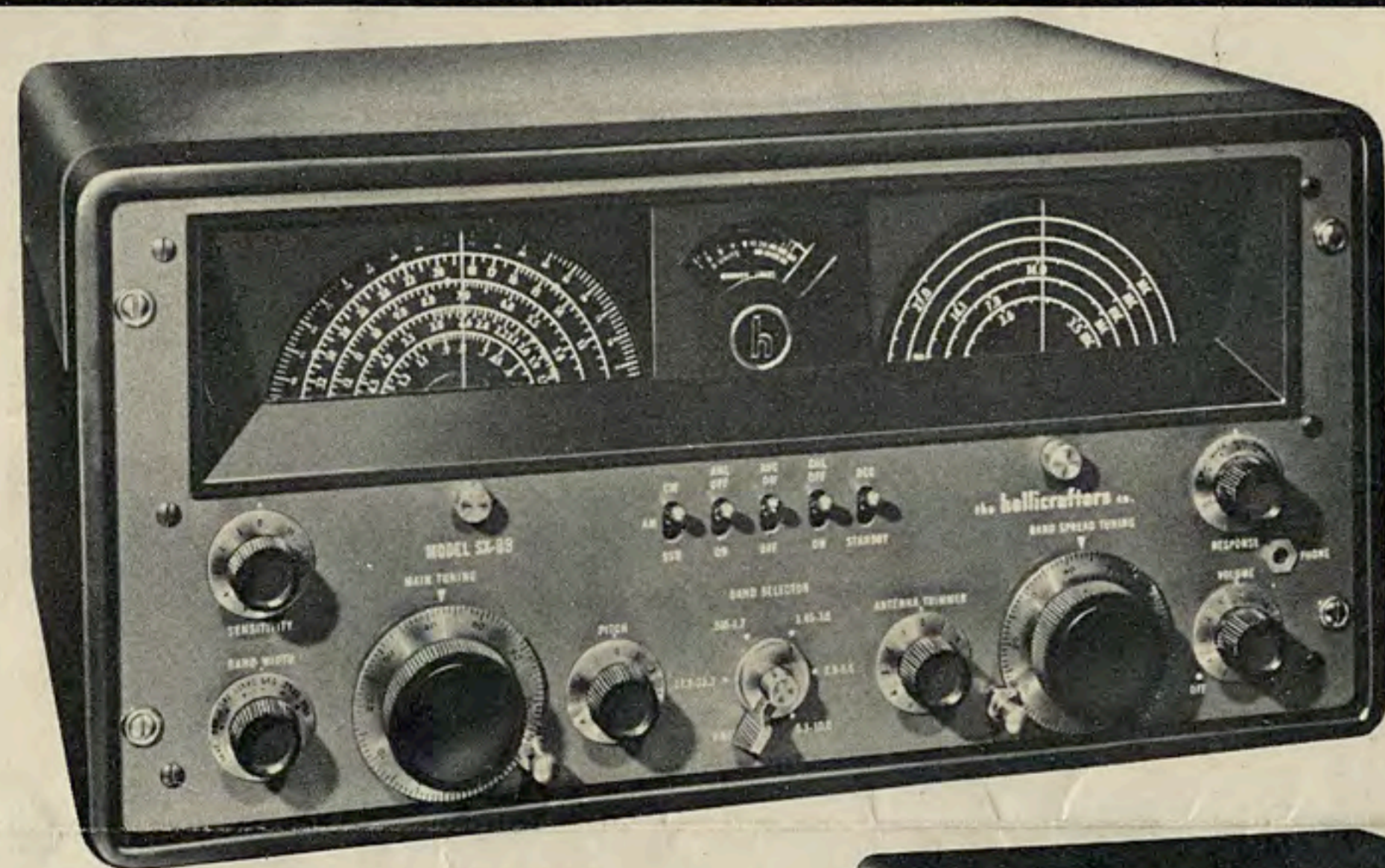
Hallicrafters world-famous precision-built communications equipment has been sold in 89 countries, used by 33 governments and is the overwhelming choice of our own armed forces.

Skillful engineering and precision construction combined with twenty years of electronic leadership as a background make Hallicrafters the choice of the most critical expert in the world—the American ham radio operator.

preferred  
by "experts"  
... the radio hams  
all over the  
world

20th Anniversary

## Prized By Experts... HALLICRAFTERS... World Famous For Quality



MODEL SX-88

Full precision gear drive for main and band spread tuning. Six position band width control (selectivity) from 250 cycles to 10 kc. Ten watt inverse feed back and push-pull 6V6 audio output with adjustable audio response for high fidelity, communications and normal reception.

Double conversion superheterodyne with crystal controlled 2nd conversion osc. Full frequency coverage from 535 kc to 33.3 Mc. Illuminated band-in-use indicator and S meter. Built-in 100 kc calibration crystal. Front panel resettable tuning dial indicators for maximum calibration accuracy. Outstanding stability plus two r-f stages and twelve tuned i-f circuits. 50 kc i-f output jack via cathode follower for teletype converter, oscilloscopes, etc. Antenna trimmer. Speaker terminals 3.2/8/500-600 ohms.

Satin black steel cabinet with gray blue front panel and chrome trim. 20" x 10 3/8" x 18 1/4" deep. Ship. wt. 85 lbs. Seventeen tubes plus voltage regulator, current regulator and rectifier.

For 105/125 V. 50/60 cycle AC.

USE HALLICRAFTERS R-46 SPEAKER



MODEL R-46

Matching 10" PM speaker for use with Hallicrafters communications receivers SX-71, S-76, SX-73, SX-88 or SX-62. 80 to 5000 cycle range. Matching transformer with 500-ohm input. Speaker voice coil impedance, 3.2 ohms.

Black steel cabinet matches SX-71 and other Hallicrafters cabinets. Cloth covered metal grille. 15" x 10 7/8" x 10 7/8" deep. Ship. wt. 17 lbs.



MODEL HT-20

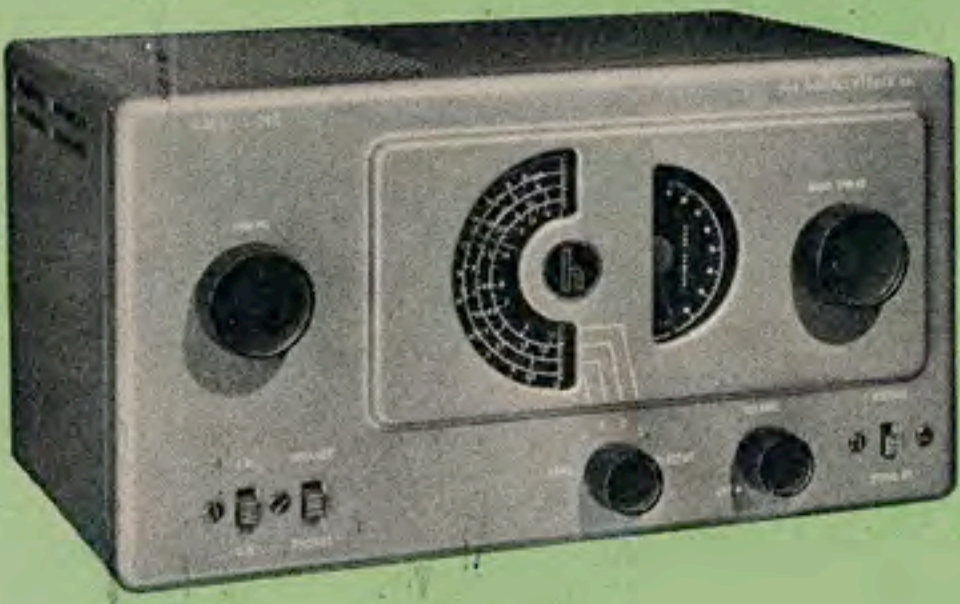
T.V.I. suppressed 100 watt AM-CW transmitter with all spurious outputs at least 90 db below full rated output on 50 ohms only. Single meter with eight position meter switch; output tuning indication. Frequency range of 1.7 Mc. to 31 Mc. continuous on front panel control. Front panel switching from 10 crystal position or VFO. Filament,

B+ and jack available for external VFO. Outputs 50 to 600 ohms available unfiltered.

Satin black steel cabinet with gray front panel and black knobs—20" x 12 1/4" x 17 1/4" deep. Ship. wt. 130 lbs. Seven tubes plus five rectifiers.

For 105/125 V. 50/60 cycle AC.





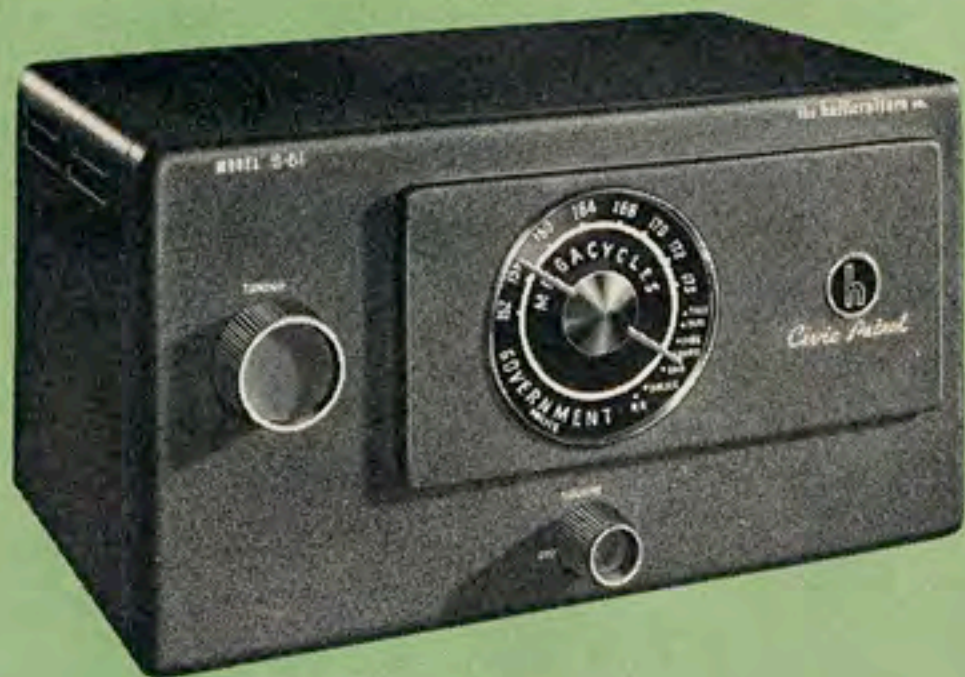
**MODEL S-38C**

The radio that amazes even the experts! Offers world-wide reception for the short-wave listener and the new radio amateur even in weak signal areas where ordinary sets fail. Communications type controls for accurate tuning. Covers Broadcast Band 540-1650 kc plus three short-wave bands covering 1650 kc-32 Mc.

Chassis engineered to pull in long distance stations and separate Fine Tuning control to separate stations on crowded bands. Headphone tip jacks on rear and built-in PM speaker. Oscillator for reception of code signals.

Gray steel cabinet. 12 $\frac{7}{8}$ " x 7" x 7 $\frac{1}{4}$ " deep. Ship. wt. 13 lbs. Four tubes plus rectifier.

For 105/125 V. AC or DC. UL approved. Line cord for 220 V. operation.



**MODELS S-81, S-82 "CIVIC PATROL"**

Compact, easy-to-operate FM receiver covering police, fire, taxicab, truck, private telephone, railroad, and other industrial frequencies. Low cost receiver ideal for civilian defense groups in metropolitan areas to hear industrial and emergency-service communications.

Newly designed FM chassis provides low frequency drift and high signal-to-noise ratio. Two i-f stages for extra pull-in strength. Single-wire or twin lead antenna wire. Headphone tip jacks on rear and built-in P-M speaker.

Steel cabinet in black wrinkle finish. 12 $\frac{7}{8}$ " x 7" x 7 $\frac{1}{4}$ " high. Ship. wt. 12 lbs. Six tubes plus selenium rectifier. For 105/125 V. 50/60 cycle AC or DC.

S-81 covers VHF FM 152-173 Mc. S-82 covers HF FM 30-50 Mc.



**MODEL S-53A**

The finest small communications receiver built and ideal where maximum performance is required in small space. Several steps better than the S-38C, but not quite up to larger S-40B. Covers Broadcast Band 540-1630 kc plus four short-wave bands covering 2.5-31 and 48-54.5 Mc.

Electrical bandspread for easy tuning. Two i-f stages. Switches for automatic noise limiter, code reception and high-low tone. Phono jack for records. Headphone tip jacks on rear and built-in PM speaker. Temp. compensated to reduce fading due to frequency shift.

Satin black steel cabinet with brushed chrome trim. 12 $\frac{7}{8}$ " x 7" x 7 $\frac{3}{4}$ " deep. Ship. wt. 19 lbs. Piano hinge top. Seven tubes plus rectifier.

For 105/125 V. 50/60 cycle AC.



**MODELS S-40B, S-77A**

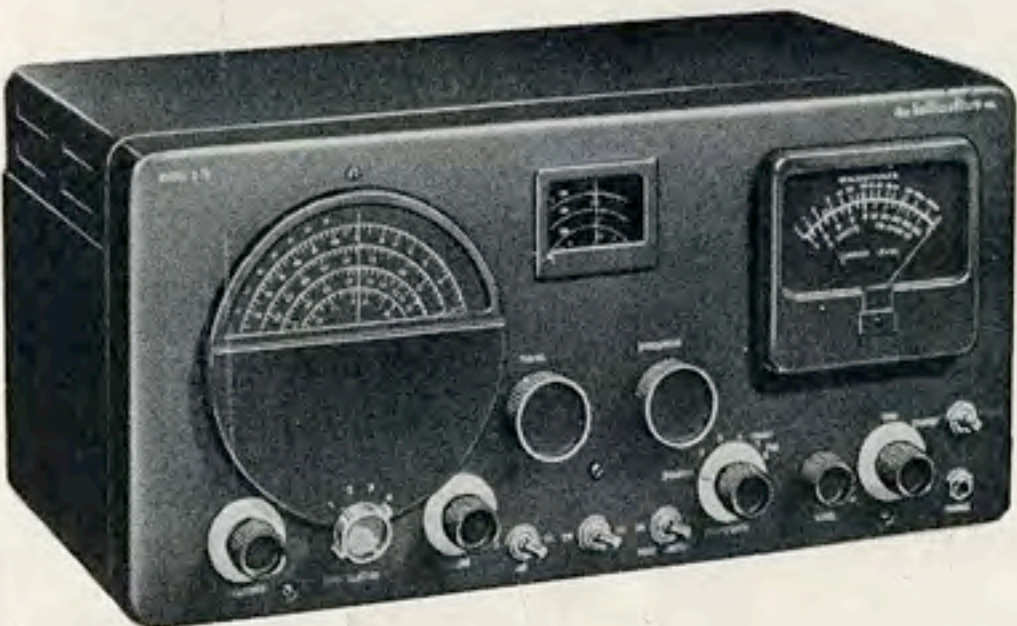
Long a favorite with amateurs. The lowest cost, full-size set in Hallicrafters line and the largest set with its own built-in speaker. Covers Broadcast Band 540-1680 kc plus three short-wave bands covering 1680 kc-44 Mc.

Electrical bandspread for easy tuning. One r-f, two i-f stages to draw in stations. Switches for automatic noise limiter, code reception and three-position tone control. Code pitch control and built-in speaker.

Satin black steel cabinet. 18 $\frac{1}{2}$ " x 8 $\frac{7}{8}$ " x 9 $\frac{1}{2}$ " deep. Ship. wt. 36 lbs. Piano hinge top. Seven tubes plus rectifier.

S-40B for 105/125 V. 50/60 cycle AC. S-77A Same, for 105/125 V. AC/DC, 32 lbs.

## Preferred By Amateurs... HALLICRAFTERS... Leader With The Latest



**MODEL S-76**

Double conversion receiver lower priced than SX-71. Value packed communications receiver with broadcast band 538-1580 kc plus three short-wave bands covering 1720 kc-34 Mc.

Calibrated electrical bandspread for easy tuning. Double superhet with 50 kc second i-f and giant 4-inch "S" meter. Five position selectivity, one r-f, two conversion, two i-f stages, temperature compensated. Phono input jack. 3.2 or 500 ohm outputs. Socket for external power or remote control.

Satin black steel cabinet with chrome plastic trim rings. 18 $\frac{1}{2}$ " x 8 $\frac{7}{8}$ " x 9 $\frac{1}{2}$ " deep. Ship. wt. 41 lbs. Piano hinge top. Nine tubes plus voltage regulator and rectifier.

For 105/125 V. 50/60 cycle AC. Use Hallicrafters R-46 speaker.



**MODEL SX-71**

A double conversion receiver specifically asked for by the Hams. Top performance with extra pull-power and ability to tune in stations. Covers broadcast band 560-1600 kc plus four short-wave bands covering 1650 kc-34 Mc. and 46-56 Mc.

Superior image rejection plus built-in Narrow Band FM one r-f, two conversion, and three i-f stages. Temperature compensated, voltage regulated. Phono-graph input jack. Three watt output (terminals for 500 and 3.2 ohms). Socket for external power or remote control.

Satin black steel cabinet with chrome trim, 18 $\frac{1}{2}$ " x 8 $\frac{7}{8}$ " x 12" deep. Ship. wt. 49 lbs. Eleven tubes plus regulator, rectifier.

For 105/125 V. 50/60 cycle AC. Use Hallicrafters R-46 speaker.



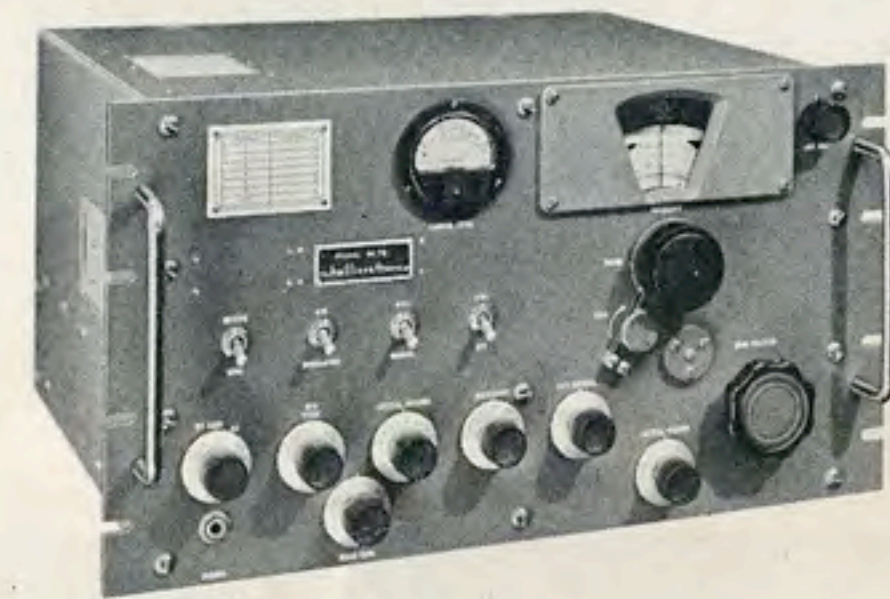
**MODEL SX-62**

World's finest receiver for the all-wave listener. Will out-perform any ordinary broadcast receiver on any frequency. Standard broadcast, short-wave, or FM, with continuous coverage from 540 kc clear through to 109 Mc. in six bands and 27-109 Mc. FM. One band lights up at a time for band identification. Crystal calibration oscillator is built in to check dial pointer accuracy.

Two r-f stages, three i-f stages. Temperature compensated, voltage regulated. Six position selectivity. High fidelity audio with four-position tone control and 10-watt push-pull output. Phono jack for records. 500 and 5,000 ohm outputs for separate speaker.

Satin black steel cabinet with light gray panel and chrome trim. 20" x 10 $\frac{1}{2}$ " x 16" deep. Ship. wt. 66 lbs. Fourteen tubes plus regulator, rectifier.

For 105/125 V. AC. Use Hallicrafters R-46 speaker.



**MODEL SX-73**

The ultimate in all-wave receivers, built to tough military communications specifications. Six turret-selected bands covering 540 kc to 54 Mc.

Dual conversion, 455 kc and 6 Mc crystal controlled. Single superheterodyne in tuning ranges of 540 kc to 7.9 Mc and dual conversion on tuning ranges from 7.0 to 54.0 Mc. AM, CW, MCW, ICW, and Carrier Shift tele-typewriter signals. 6-pos. selectivity with three of these positions using crystal filters. Sensitivity better than 2 microvolts for 10/1 signal to noise ratio at full output. Field strength indicator. Image and i-f rejections not less than 80 db at any frequency.

Front control panel gray with black knobs and chrome trim. 19" x 10 $\frac{1}{2}$ " x 16 $\frac{3}{4}$ " behind panel. Ship. wt. 68 lbs. Seventeen tubes plus rectifier, voltage regulator, current regulator.

For 105/250 V. 50/60 cycle AC. Use Hallicrafters R-46 speaker.

## HALLICRAFTERS Precision-Built Communications • High Fidelity • Electronic Equipment



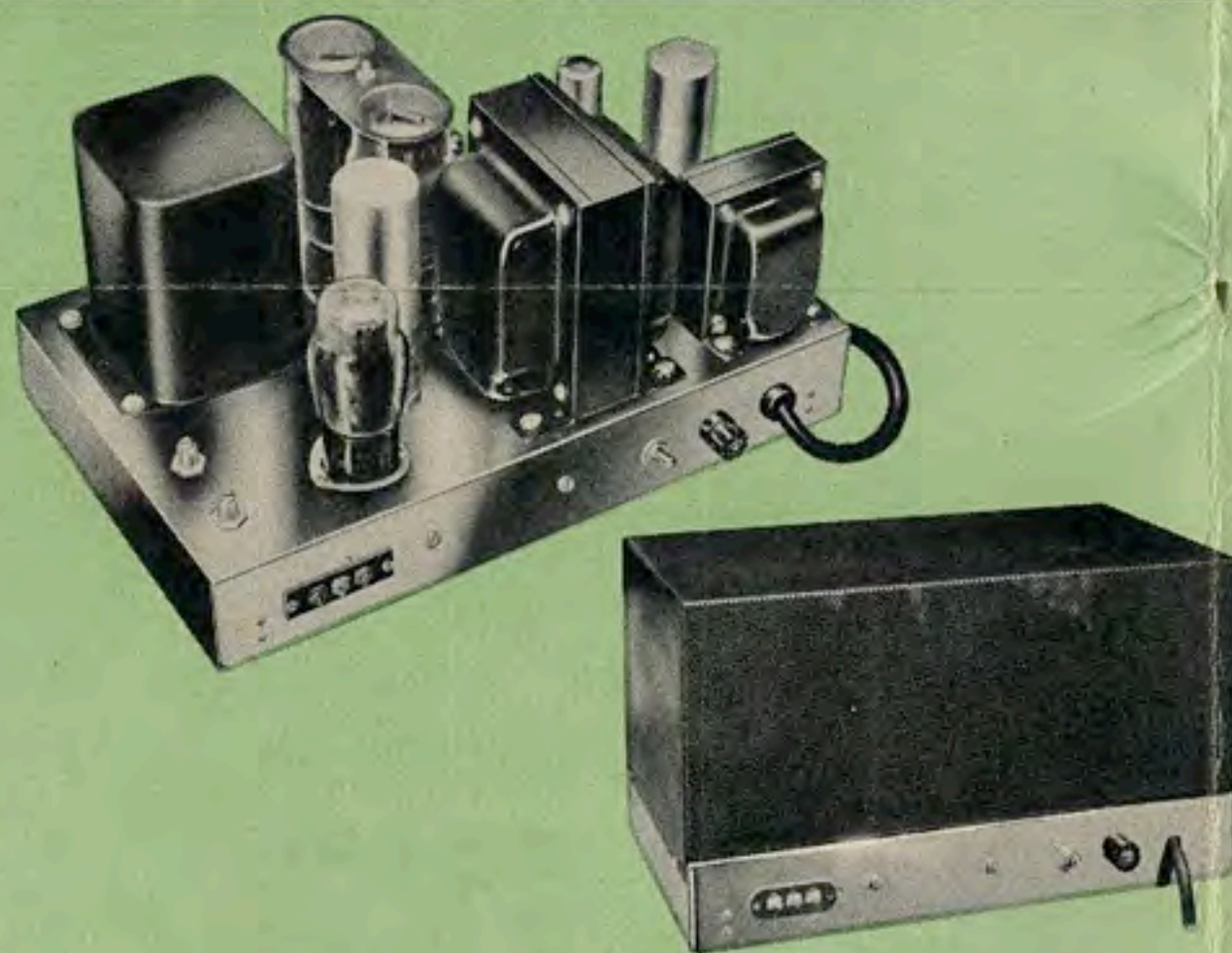
**MODEL ST-83**

This AM/FM Super-Fidelity unit carries the UL seal of approval and meets the F.C.C. specifications on oscillator radiation. Phono inputs, built-in pre-amp., accessory inputs for TV, tape recorders, etc. Dual outputs; medium and low impedance, tone controls; bass  $\pm$  12 db, treble  $\pm$  12 db.

Accessory power sockets dual at 200 watt 117 volts each. Tubes 6CB6 FM r-f amplifier, 12AT7 FM osc. converter, 6BD6 AM r-f amplifier, 6BE6 AM osc. converter, 6BA6 1st i-f amplifier, 10.7 Mc, 6BA6 2nd i-f amplifier 455 kc and 10.7 Mc, 6BA6 3rd i-f amplifier, 6AL5 FM detector, 6AV6 AM detector and phono pre-amplifier, 12AU7 cathode follower, 12AU7 audio tone control amplifier, 6AX5 rectifier.

Black steel with silver finish trim and chrome lite base. 14" x 7 $\frac{1}{2}$ " x 9 $\frac{1}{2}$ " deep. Ship. wt. 18 lbs. Eleven tubes plus rectifier.

For 105/125 V. 50/60 cycle AC.



**MODEL A-84**

The perfect mate for any AM/FM tuner. Exclusive output transformer giving widest range ever produced. Frequency range, 10 to 100,000 cycles per second at 10 watts (with perfect uniformity) and harmonic distortion of less than 0.25% at 10 watt level. Power output of 15 watts maximum.

Mineral oil impregnated coupling condensers, power supply input condenser oil filled.

Chrome lite chassis base. 13 $\frac{1}{2}$ " x 7 $\frac{5}{8}$ " x 8 $\frac{1}{2}$ " deep. Ship. wt. 26 lbs. All five tubes triode plus rectifier.

For 105/125 V. 50/60 cycle AC.



**HAND CARRY**... Light, rugged, weatherproof and dependable two-way FM radio-telephone. Full two watt antenna output\* and powered by dry or wet rechargeable batteries (can be recharged from car battery or 117 V. AC). Twenty-three sub-miniature tubes. Ship. wt. 14 lbs. Lower powered 9 $\frac{1}{2}$  lbs. also available.

\*On 25-50 Mc. One-watt output on 150-174 Mc.



**LITTLEFONE**

**CENTRAL STATION**... Same performance and specifications as Hand Carry unit. Audio-amplifier, providing one watt of audio for loudspeaker. AC operated with power consumption of 38 watts receive and 43 on transmit. Plugs in any AC outlet of 117 V. Hallicrafters S-81 and S-82 receivers may be used as extra stationary stations.

All specifications subject to change without notice.