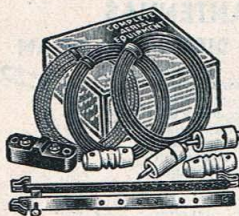


# Broadcast-FM-Television Antennas



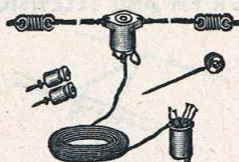
**Special Value Deluxe Aerial Kit**

Efficient antenna system for maximum pick-up on both short wave and broadcast. Contains 100 ft. 7x26 bare copper aerial wire; 40 ft. rubber covered lead-in; 25 ft. rubber covered ground wire; 2 porcelain insulators; 1 window lead-in; 1 arrester; 2 porcelain nail knobs; 1 ground clamp; instructions. Shpg. wt., 6 lbs. **83-101. NET.....\$1.09**

## STANDARD AERIAL KIT

Consists of 100 ft. 7x26 bare copper wire; 25 ft. lead-in; window lead-in; 2 each, antenna and nail knob insulators; ground clamp, and instructions. Shpg. wt., 4 lbs. **83-100. NET.....69c**

## TACO ANTENNA SYSTEMS



Noise reducing, all-wave antenna systems for AM broadcast reception. Factory wired, soldered and tested; everything you need, ready to install. With complete instructions.

## MODEL 220 DOUBLET

Deluxe Balanced Doublet. Consists of 1 each—deluxe antenna and set transformers; 2—30-ft. coils of stranded copper aerial wire; 60 ft. of twisted-pair lead-in; 1 screw-eye; 2 nail knobs; 2 insulators. Shpg. wt., 4 lbs. **51-006. List, \$12.75. NET.....\$7.50**

## MODEL 228 "L" TYPE ANTENNA

Inverted "L" Type. Consists of antenna and set transformers; 50 ft. aerial wire; 60 ft. twisted-pair lead-in; 1 screw-eye; 2 nail knobs; 1 insulator. Shpg. wt., 4 lbs. **51-007. List, \$12.50. NET.....\$7.35**

## MODEL 520 ECONOMY ANTENNA

Standard Balanced Doublet Type. Consists of standard type antenna and set transformers; 2—30-ft. coils aerial wire; 60 ft. transmission wire; 1 screw-eye; 2 nail knobs; 2 insulators. Shpg. wt., 4 lbs. **51-008. List, \$10.25. NET.....\$6.03**

## LIGHTNING ARRESTERS



**Porcelain.** General purpose gap-type arrester. Designed for single-wire lead-in. Complete with mounting hardware. Shpg. wt., 10 oz.

**51-280. NET EACH.....19c**  
10 for.....\$1.70

## BELDEN ARRESTER



**Type 8896.** Bakelite resistor type arrester. Maximum protection. Listed as standard by Underwriters' Laboratories. Shpg. wt., 8 oz.

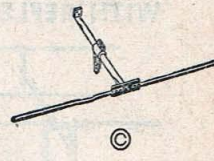
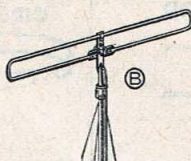
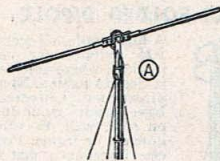
**51-230. NET.....29c**

## DUPLEX NEON ARRESTER



**"Vis-O-Glow"** neon arrester for use with doublet antenna systems. Uses neon element in place of air-gap or resistance. Glows during lightning storms. Carries heavy discharges safely. UL listed. Shpg. wt., 1 lb. **51-241. List price, \$1.95. NET.....\$1.15**

## WARD ANTENNAS FOR FM AND TELEVISION



Sturdy FM and Television dipole antennas completely adaptable to the varying requirements of each installation. Provide maximum electrical efficiency for finest reception. Easy to install. Both folded and straight dipoles include: Sixty feet 300 ohm colinear transmission line; low-loss rubber stand-offs to guide

transmission line down mast; six exclusively designed plastic stand-offs; guy wire ring for secure installation; all-angle, universal base mount which also permits revolving or tilting antenna for greatest gain. Dipole elements of corrosion-preventive aluminum. All other parts completely weather-proofed inside and out.

## TELEVISION ANTENNAS FOLDED DIPOLE

**Model TV-94, Fig. B.** Designed for broad antenna response and matched impedance to the 300 ohm transmission line for maximum energy transfer. Provides greater signal strength over a broader portion of the television band. Suggested for installations where there is more than one television station in the area. Shpg. wt., 5 lbs.

**97-320. List price, \$12.00. NET.....\$7.06**

## REFLECTOR KIT

**Model TVR-92, Fig. C.** For use with TV-94 folded dipole. Provides greatest directional gain of the desired signal. Eliminates undesirable interference and reflections. Consists of heavy, weatherproof cross member, reflector dipole, and a specially designed "polarizer" connection. Shpg. wt., 3 lbs.

**97-321. List price, \$6.45. NET.....\$3.79**

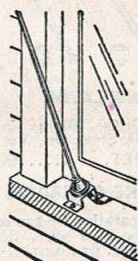
## MAST EXTENSION

**Model ME-60.** Sixty-inch, weatherproofed extension to increase height of vertical mast on both FM and television antennas. Additional height of aerial increases signal strength, improves reception. Easily attached. Shpg. wt., 2 1/2 lbs.

**97-325. List price, \$2.60. NET.....\$1.53**

## WARD MAST TYPE ANTENNAS

### MODEL WM-3



Enjoy the full benefits of an outside aerial without the inconvenience of a roof installation. This window mast antenna is easily installed in only three minutes. Improves reception on both standard broadcast and short wave. Particularly recommended for apartment or office buildings where reception is limited because of steel construction. Supplied with a two-way bracket for easy mounting on either window sill or side of window frame. Does not interfere with opening or closing of window. Built

of telescoping steel tubing extending 42" to 96". Sturdy, rustproof construction; heavily cadmium plated for long dependable service. Complete with lead-in strip, mtg. screws, hardware and instructions. Shpg. wt., 2 lbs. **97-452. List price, \$3.25. NET.....\$1.91**

### REPLACEMENT ANTENNA LOOP



Wound on rigid fiber-board form. Has lug terminals. Replaces antenna coil in battery and midjet sets or portables. Turns may be removed to match loop being replaced.

6x8 1/4". Wt., 12 oz. **51-040. EACH.....48c**  
10 for.....\$3.95

### MUELLER GROUND CLAMP

**Type 58.** Positive contact, rustproof ground clamp. Maximum bite 1 1/4". Shpg. wt., 4 oz. **51-310. EACH.....9c**  
10 for.....73c  
100 FOR.....\$6.17



## FM ANTENNAS STRAIGHT DIPOLE

**Model FM-60, Fig. A.** High gain dipole antenna designed for reception in the new 88-108 Mc. FM band. Furnishes a stronger signal; makes FM listening more enjoyable. Includes all accessories listed above. Shpg. wt., 4 lbs. **97-322. List price, \$9.00. NET.....\$5.29**

## FOLDED DIPOLE

**Model FM-55, Fig. B.** A folded dipole is the answer for dependable FM reception. Provides broad antenna response with maximum energy pickup for good reception over the entire 88-108 mc FM band. Impedance-matched to 300-ohm transmission line for maximum energy transfer. Completely adaptable to all installation requirements by means of special mounting bracket. Can be revolved or tilted for best results. Supplied complete with 60' transmission line, mounting base, insulators and hardware. Length 6 ft. Shpg. wt., 5 lbs. **97-323. List price, \$10.25. NET.....\$6.03**

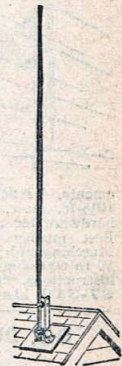
## REFLECTOR KIT

**Model FMR-63, Fig. C.** For use with either straight or folded FM dipoles. Eliminates interfering reflections; increases strength of desired signal. Weather-proof. Shpg. wt., 3 lbs.

**97-324. List price, \$5.25. NET.....\$3.09**

### MODEL HM-4

A complete 12-foot vertical antenna for roof, window sash or wall mounting. Picks up less noise than old style horizontal antennas. Provides efficient reception with All-Wave, Broadcast, or SW receivers. Simple to install. Guaranteed rust-proof. Includes built-in lightning arrester and universal brackets to provide simple, easy mounting. 4-section telescopic tubing, collapsible to 47". Weather resistant cadmium plating provides for permanent, outdoor installation. Complete with 60' lead-in wire, ground clamp, 4 wood screws, 2 "nail-it" knobs, 1 porcelain tube, 1 lead-in strap, and 2 soil pipe straps and instructions. Shpg. wt., 4 lbs. **97-425. List, \$7.45. NET.....\$4.38**



### ICA TENNA-SCOPE LOOP



**Type 4380.** Easily installed inside radio cabinet. Eliminates ground and outside antenna wires. Increases selectivity. Covers the broadcast band. 550 kc to 1550 kc. Has paddler for tracking when used as 1st RF coil of receiver. Size 8"x6"x1 1/4". With instructions. Shpg. wt., 1 lb. **51-022. List, \$3.00. NET.....\$1.76**

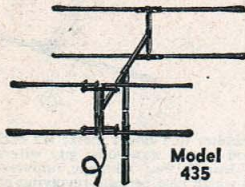
### WINDOW LEAD-IN

Fully weather resistant, 12' long. Clips at both ends. Shpg. wt., 4 oz. **51-050. NET.....6c**



# Antennas and Accessories

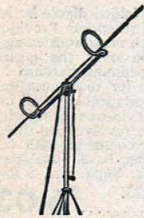
## TACO DOUBLE-DOUBLET WITH REFLECTOR



### FOR FM AND TELEVISION

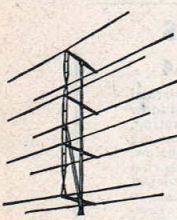
New double doublet antenna and reflector for improved television, FM and standard AM broadcast reception. Brings in stations not usually heard on typical dipoles. Reduces "ghost" images; amplifies distant signals. A rigid, all-steel, all-weather system. Antenna and reflector each have two dipoles. Complete with 60 ft. 300-ohm line and all hardware. 5 ft. mast. Shpg. wt., 16 lbs. **97-300. List, \$25.00. NET...\$14.70**

## NEW TRICRAFT MODEL 300 TELEVISION-FM ANTENNA



This new Tricraft All-Wave Television-FM antenna provides full coverage of all 13 television channels and the permanent FM band. Close impedance match between antenna and feeder at all television frequencies assures low energy transfer loss, resulting in stronger signals. In addition, the Model 300 maintains directivity (maximum reception) on the same axis, regardless of frequency. Standard 300-ohm lead-in. Very easily installed. Only screw-driver and pliers are needed. Complete with 94" mast, 65-ft. 300-ohm line and all mounting hardware. Shpg. wt., 9 lbs. **97-309. List, \$19.75. NET...\$11.61**

## VEE D-X TELEVISION ANTENNA



A new, highly directional antenna that provides greatly increased gain and brilliant, steady, clear reception of television signals from stations as much as 100 miles from the receiver. Especially recommended for dealers, who must have top reception on display models of television receivers. Consists of 4 phased antenna elements, 4 reflector elements, 4 cross-arms, a 10 1/2-ft. mast, and all necessary parts and hardware for a complete antenna assembly. Best quality aluminum used throughout. Matching stub will match any impedance from 50 to 600 ohms. Less transmission line. With instructions. Shpg. wt., 28 lbs. **97-310. List, \$125.00. NET...\$75.00**

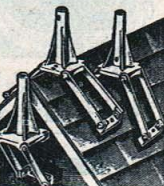
## G.E. DELUXE TWIN LINE



Heavy-duty G.E. type UWT-003 deluxe 300-ohm twin line. Ideal for all FM or television uses. Handles up to 1 KW RF power. Has two No. 14 stranded leads, heavy polyethylene jacket 3/4" wide by 3/8" thick. Shpg. wt., per 100 ft., 5 1/2 lbs. **71-795. Per Foot...\$0.10**  
**100 Feet for...\$9.50**

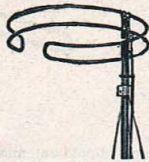
## SHUR ANTENNA MOUNT

Model M-C. Rugged cast aluminum mounting base. Will support any standard FM or television antenna array. Mounts on the peak or slope of any roof, on chimney or side of house. Fits antenna poles up to 1 1/4" dia. Mounting brackets easily adjusted to any angle. With instructions and hardware. Shpg. wt., 5 lbs. **97-477. NET...\$5.25**



## POPULAR KNIGHT DIPOLE ANTENNAS

### CIRCULAR FOLDED DIPOLE



A high-grade, all-metal FM antenna for use in cities where receiver is close to station. Non-directional. Universal base permits mounting on roof, wall, or window sill or frame. Precise impedance match and broader tuning over the entire FM range. Uses 300-ohm transmission line. Includes 60 feet of line and aluminum dipole. Vertical element revolves or tilts for maximum gain. Length of mast is 5 ft. Shpg. wt., 6 lbs. **97-351. List, \$10.50. NET...\$4.95**

### MAST EXTENSION

A sturdy, 60" weather-proofed mast extension for type 97-351 and 97-352 antennas. Added height provides stronger reception of FM signals and better all wave reception from distant stations. Shpg. wt., 3 lbs. **97-353. List, \$2.60. NET...\$1.35**

### FOLDED DIPOLE FOR FM-AM



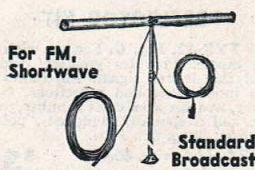
An excellent AM-FM folded dipole which will greatly improve reception. Wider frequency design, matched impedance to 300-ohm transmission line result in maximum energy transfer. Stands up firmly in the worst kinds of weather. Includes: 60 ft. 300-ohm line, all insulators, rotatable, tilting vertical element for best polarization; 4 1/2 ft. aluminum dipoles on 5-ft. mast. Shpg. wt., 4 lbs. **97-352. List, \$10.25. NET...\$4.80**

### FOLDED DIPOLE WITH REFLECTOR KIT

Provides maximum gain. Cuts down interference reflections. Reflector kit consists of cross member with rotatable reflector dipole and connection for mounting. Shpg. wt., 6 lbs. **97-350. List, \$15.00. NET...\$6.95**

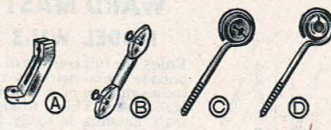
## NEW AMPHENOL ANTENNA PRODUCTS

### ALL-WAVE ANTENNA



Model 124-001. For FM, BC and SW reception. Superior to best double doublets in wide freq. range gain tests. Horizontal dipole gives top FM performance. BC-SW antenna is 65" wire. Special filter switches energy from proper ant. to receiver. 52 ohm coax feeder cuts noise. Dipole is 2" alum. tubing, mtd. on 1" dia. 5 ft. mast. With hardware, instructions. Shpg. wt., 9 lbs. **97-432. List, \$29.75. NET...\$17.49**

### ANTENNA ACCESSORIES



#### A TWIN LEAD INSULATOR

Mounts on any surface. Grips 300-ohm line firmly. Low-loss polystyrene. Shpg. wt., 3 oz. **71-761. Type 66-909. NET...9c**

#### B TRANSMISSION LINE SPREADERS

Molded polystyrene; for separating feeders or constructing folded dipoles from wire. Set screws hold wires firmly. Shpg. wt., 6 oz.

**71-757. Type 66-205. 2". EACH...9c**

**71-758. Type 66-206. 4". EACH...12c**

**71-759. Type 66-207. 6". EACH...15c**

#### C & D STANDOFF INSULATORS

Screw-eye types with polyethylene inserts. Twin lead type slotted for 300-ohm line. Coax type for cables not over 1/2" dia. Wt., 4 oz.

**71-756. Fig. C. 66-202. For twin lead.**

**71-755. Fig. D. 66-201. For coax cable.**

**NET EACH...9c**

### AMPHENOL SILICONE

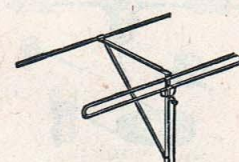
Will moisture-proof any RF line or connection. Maintains uniform impedance on wet twin lead. In 1-oz. tube. Ample for most antennas. Shpg. wt., 2 oz. **43-135. Type 307. NET...\$1.18**

### MOSELY DIPOLE CONNECTOR



For center-connecting 300-ohm line type folded dipole. Provides positive connection without soldering. With screws, nuts and washers. Shpg. wt., 2 oz. **40-340. NET...35c**

### FOLDED DIPOLE ANTENNAS FOR FM AND TELEVISION



#### FM DIPOLE TYPE 114-001

Covers entire FM range, 88 to 108 mc. Standing wave ratio less than 2:1. Impedance matched with Amphenol 300-ohm line. Polyethylene stand-off insulators. Mast and elements made of high-strength tubular aluminum. Cadmium-plated fittings. Swivel bracket for easy installation anywhere. Complete with folded dipole, mast, 75 ft. of 300-ohm Twin Lead, guy wire cable, and instructions. Shipping weight, 4 lbs. **97-436. List, \$10.55. NET...\$6.10**

**Reflector Kit. Type 114-003.** For use with above FM antenna in low-signal areas or where there is interference. Provides additional gain. Easy to attach. Includes reflector element and tubular aluminum braces. Wt., 2 lbs. **97-437. List, \$5.50. NET...\$3.23**

### TELEVISION DOUBLE DIPOLE

New high-gain television antenna array. Covers all 13 channels in both television bands. Unidirectional pattern eliminates "ghosts" caused by stray reflections. Improved performance and maximum efficiency are assured by unique design which permits the large folded dipole (for the 54-83 mc band) to be used as reflector for the small folded dipole (for the 174-216 mc band). Provides increased gain for overcoming interference or increasing signal strength in low-signal areas. Antenna supports and the 5-ft. mast are made of sturdy aluminum tubing. Supplied ready to install. Includes mast, elements, supports, 75 feet of Amphenol 300-ohm Twin Lead transmission line, mounting hardware, stand-off insulators and instructions. Shpg. wt., 6 lbs. **97-438. Type 114-005. \$16.17**  
**List, \$27.50. NET...**

### AMPHENOL "TWIN LINE"



For FM, television and ham antennas. Stranded-copper leads, polyethylene dielectric. Weather-proof. Shpg. wt., 10 ft., 1/2 lb.

Stock No.	Type	Impedance	Per ft.	100 ft.
49-440	14-056	300	3c	\$2.85
49-438	14-079	150	2 1/2c	2.37
49-445	14-080	75	2c	1.95

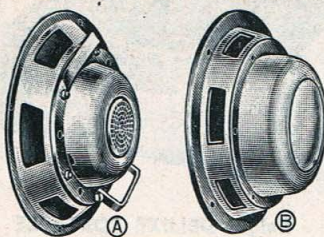
### TRANSMITTING "TWIN LINE"

75 ohm. Type 14-023. Will handle up to 1 KW RF power. Propagation factor, 71%. Att. per 100' at 28 mc., 1.40 db. Weather resistant. Shpg. wt., 100 ft., 4 lbs. **49-495. NET PER FOOT...7c**  
**100 Feet for...\$6.48**



# Special Feature Values

## WESTERN ELECTRIC HIGH EFFICIENCY SPEAKERS



**MODEL 728B—30 WATT**

**Fig. A.** Developed by Bell Telephone Labs, the famous 728B speaker represents one of the most advanced applications of modern sound reproducing technique. It is a compactly constructed, direct-radiator type of loudspeaker, with high power-handling capacity (30 watts continuous), and a frequency response that is uniform from 60 to 8000 cycles, tapering off gradually to 10 db down at 10,000 cycles. High conversion efficiency assures maximum sound output for given power input. Ideal for any single-speaker application requiring high power and wide response. Widely used for broadcast station monitoring, wired program services, sound distribution systems, public address, radio monitoring, etc. Good coverage angle of 50°. Overall size: 12 1/2" dia., 3 3/4" depth. Baffle hole diameter, 10 1/4". Voice coil impedance, 4 ohms. Four mounting holes in frame, equally spaced on 1 1/2" centers. Shpg. wt., 19 lbs.

**81-556. NET. \$113.10**

**MODEL 755A—8 WATT**

**Fig. B.** Only 8" in diameter and 3" deep, the Western Electric 755A speaker features exceptional frequency response and 8 watts (continuous) power-handling capacity. Recommended for broadcast station monitoring and general use. Incorporates the principles of the 728B, above. Uniform response, 70 to 13,000 cycles. Has very wide coverage angle: 70°. Voice coil impedance, 4 ohms. All metal parts are cadmium-plated. Diameter, 8 3/4". Depth overall, 3 1/4". Baffle hole diameter, 7". Has 4 mounting holes on frame, equally spaced on 7/8" centers. Shpg. wt., 6 lbs.

**81-555. NET. \$52.70**

## ELECTRO-VOICE PRODUCTS



### CRYSTAL CONTACT MICROPHONE

**Model 805.** New Electro-Voice contact mike for any vibrating instrument, such as the guitar, banjo, mandolin, violin, harp, drum, piano, etc. Enhances the reproduction of music, increasing volume and enriching tonal effects. Frequency response, 40-8000 cps. Inertia-type crystal, sealed against moisture and acoustic feedback. Output level, .1 to 1 volt, depending on instrument used. Output high enough for direct use on phono input of radios and amplifiers. Pressure cast metal case, bright chromium finish. With clip for easy installation. With 15 ft. of flexible cloth-jacketed shielded cable. Size: 2 1/4 x 1 1/4". Shpg. wt., 8 oz.

**99-319. List, \$15.00. \$8.82 NET.**



### CRYSTAL PHONO CARTRIDGE

**Model 10.** New crystal cartridge, featuring torque drive to the crystal corners, eliminating all bearings. Reduces needle talk and scratch, needle and record wear—yet maintains ample output. Has special adapter plate to permit mounting in standard pickup arms. Perfect groove tracking with as low as 3/4-oz. pressure. Output, 1.5 v. Constant output to 7000 cycles. Size: 1 1/4 x 3/4 x 3/4" deep with adaptor plate. With replaceable osmium-tipped "whisker-type" needle. Shpg. wt., 8 oz.

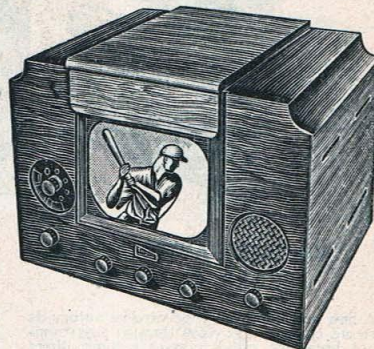
**65-390. List, \$6.50. \$3.82 NET.**

## NEW TRANSVISION 12" TELEVISION KIT

### EVERYTHING YOU NEED FOR PICTURE AND SOUND

Absolutely no technical knowledge is needed to build this kit. Only a soldering iron, screwdriver, and pliers are required. Kit is 100% complete, including a 12" kinescope picture tube, sensitive dipole antenna, 22 tubes, punched and formed chassis, PM speaker, all parts, solder, wire, lead-in cable, and hardware. (Less only cabinet; see below.)

**Easy to Build!** Step-by-step instructions make it fascinatingly simple to build this set. Each step refers to a numbered part and a numbered point on a diagram, clearly telling you precisely what to do. It is not necessary to be able to identify the parts; the numbers take care of everything! The 7-channel high-frequency RF unit is completely assembled, wired and adjusted. IF coils are factory retuned for maximum performance. Build this set and know the thrill of having television right in your own home!



### HIGH-QUALITY COMPONENTS USED THROUGHOUT

**12" Kinescope Tube.** Dumont 12JP4 cathode ray tube produces brilliant, clearly defined pictures in black and white. Has 75 square inch viewing area. Employs electromagnetic deflection of electron beam.

**Top-Grade Components.** Highest quality components assure many years of superb performance. Circuit design employs latest television developments. Positive lock-in sweep oscillators. Seven channels are factory wired; up to 6 more channels may be added later. Has better than 50 microvolt sensitivity.

**Dipole Antenna.** Built by nationally known manufacturer. Has 300-ohm matching line.

**Remarkable Value!** This television kit is yours at less than half the price of comparable factory-assembled television receivers. If you live within 25-50 miles of a television transmitter, don't wait any longer to have your own television set. Join the thousands of others who are now enjoying television! For 110-120 volts, 50-60 cycles, AC. Chassis size: 22x17 1/2 x 4". Shpg. wt., 70 lbs.

**83-282.** Transvision Kit complete with tubes, less cabinet. ... **WRITE FOR PRICE**

**83-283.** Select grain walnut table model cabinet. Ready for installation. 24x17x18". Wt., 20 lbs. ... **WRITE FOR PRICE**

Write for Price List on All Transvision Kits

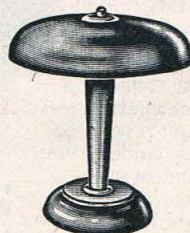
## POPULAR COMPCO FLUORESCENT FIXTURES



### 15-WATT UTILITY LAMP

**Model 2C101.** A fine bed and utility lamp that gives restful, eye-soothing fluorescent light. Pressed steel construction with a rich walnut-brown hammerloid finish. Stainless steel decorative strip on front. Baked-on white enamel reflector. Has built-in ballast and starter switch. Rubber-covered mounting clips prevent possibility of marring furniture. Size, 3 1/4 x 18 1/4 x 4". For 110-125 volts, 60 cycles, AC only. Less bulb. Requires one Type T8 15-watt 18" bulb, listed on page 148. Shpg. wt., 5 lbs.

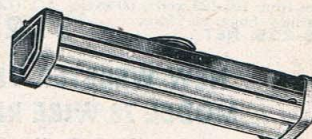
**91-111. List Price, \$7.95. \$5.07 NET EACH.**  
**Lots of 3, NET EACH. \$4.67**



### CIRCLINE FLUORESCENT DESK AND TABLE LAMP

Uses new circle-type fluorescent tube. With metal shade, tapered stem, and heavy base. Solid gauge steel with baked-enamel metallic statuary bronze finish. An ultra-modern lamp that gives the right kind of light for desk or table use. Shade dia., 15 1/4"; height to bottom of shade, 12"; overall ht., 15"; base, 9" dia. With one 32-watt Circline bulb. For 110-125 volt, 60 cycle, AC. Shpg. wt., 15 lbs.

**91-265. List, \$21.88. \$14.11 NET.**  
**Lots of 3, EACH. \$13.15**  
**91-271. 32-watt Circline fluorescent bulb, replacement for above. NET. \$1.93**



### TWO-LIGHT ADAPTORLITE

**Model 2C128.** Fluorescent fixture. Especially designed for kitchens, bathrooms and other small rooms. Fits into any ceiling outlet that has standard 4" holder. Compact pressed-steel construction. 4 1/4" high x 24 1/4" long x 6" wide. Wired throughout with Underwriters' Approved materials. Built-in ballast control and separate starter switch. Attractively finished in baked-on white enamel. For 110-125 volts, 60 cycles, AC. Less lamps. Requires two T12 20-watt 24" lamps, listed on page 148. Wt., 7 lbs.

**91-035. List Price, \$8.95. \$5.70 NET EACH.**  
**Lots of 3, EACH. \$5.26**

### MODEL 2C116—3-LIGHT

Same as above, but three-lamp type. For 110-125 volts, 60 cycles, AC. Less lamps. Requires three T12 20-watt 24" lamps, listed on page 148. Shipping weight, 8 lbs.

**91-036. List Price, \$12.95. \$8.25 NET EACH.**  
**Lots of 3, EACH. \$7.61**

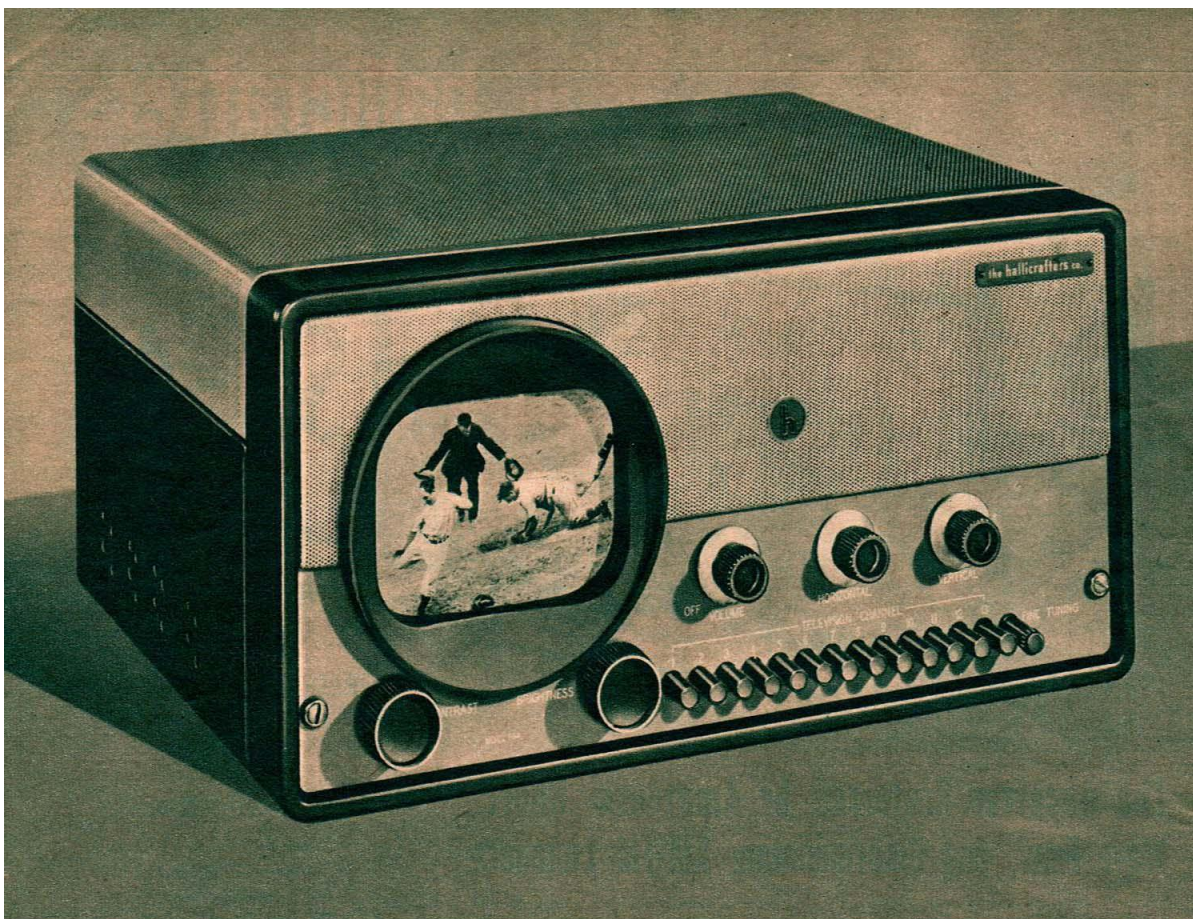


### CIRCLINE FLUORESCENT CEILING AND WALL FIXTURE

Here's a versatile fluorescent fixture that features the new-type circle bulb, to give clear, non-glaring light. Popular in homes, offices, stores, display rooms, kitchens, bathrooms, restrooms, playrooms, corridors, etc. Lamp is mounted on a heavy-gauge steel fixture, 13 1/2" in diameter. Fits flush to ceiling or wall. Gives appearance of built-in fixture. Complete with 1-32-watt lamp, ready to install. For 110-125 volt, 60 cycle, AC only. Shpg. wt., 9 lbs.

**91-270. List, \$15.88. \$10.29 NET EACH.**  
**Lots of 3, EACH. \$9.72**





## Now! Miraculous TELEVISION AT Amazing Low Cost

ALLIED proudly presents the new Hallicrafters low-cost Model T-54 Television Receiver for use in all television areas. Here is superb entertainment for everyone—to see as well as to hear! Today's television offers a fascinating variety of visual shows staged in the world's most relaxing theatre—your home! Here at your fingertips—with a flick of a switch your only admission charge—are exciting sports events, movies, vaudeville, festivals, special events for young and old, the things you've listened to with ordinary radio sets now brilliantly presented for you to **see** on the "Magic Window" of Television!

**23 Square-Inch Picture.** The 7" diameter viewing tube provides a brilliant picture  $5\frac{3}{4}$ " long by 4" high—a full 23 square inches of picture area. Bright picture and especially designed combination escutcheon and light-shield permit viewing even in fully lighted room. For those who prefer a larger viewing area a magnifying glass with supporting stand (available as an accessory) will increase picture size to approximately 7"x9". Complete protection for picture tube is afforded by a safety-glass shield placed between the viewing screen and the front panel.

**Tunes All Television Channels.** Push-button tuning is factory pre-tuned to the thirteen television channels. The television station in your locality can be received by merely depressing the proper button. Infrequently used controls for height, width, positioning and focus are at rear of set, easily adjustable when necessary.

**Simplified Operation.** It requires no technical skill to operate this receiver! Combined power switch and contrast control turns set on and regulates picture for

best definition; brightness control permits adjustment for best viewing brilliancy; horizontal and vertical controls frame picture properly; fine tuning with 1 mc range provides exact tuning of sound channel; sound level is adjusted by volume control.

**Modern Table Set.** Distinctively styled, completely self-contained, the Hallicrafters Model T-54 requires a minimum of space. Size overall is  $20\frac{1}{2}$ " long,  $9\frac{1}{2}$ " high, and 16" deep. Furniture steel cabinet is finished in rich silver gray with aerodized top; two-tone gray panel with contrasting gray lettering and chrome-trimmed controls.

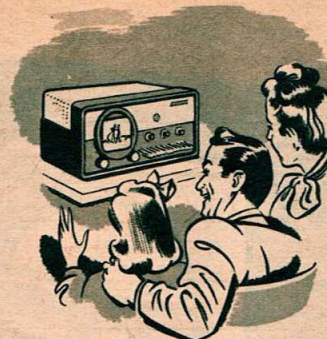
**Static-Free Sound.** FM audio channel circuit eliminates man-made static. The built-in 4" by 6" oval-type PM speaker, together with the two-watt audio output of the sound channel, assures ample volume. Tonal fidelity is exceptionally good.

*Clear...  
Sharp...  
Bright...  
TELEVISION!*



# ALLIED Is First With TELEVISION

by  
hallicrafters  
ONLY \$169<sup>50</sup> COMPLETE



FOR THE HOME



FOR CLUBS, TAVERNS,  
SCHOOLS, ETC.

## Perfected! Practical!

The Hallicrafters Model T-54 Television Receiver is a perfected, practical viewing set for use in the home, clubs, schools, recreation centers, employees' lounges, and similar installations. For the technically minded, here are the details of this fine instrument: Uses newest tubes and a selenium rectifier, as follows—6AG5 TRF, 6AG5 mixer, 6C4 oscillator, 3—6AU6 IF's, 12H6 2nd. det.-AGC, 12SN7 cascade dual triode video amplifier, 6AU6 sync. clipper and DC restorer, 2—12SN7 horizontal oscillator and output, 2—12SN7 vertical oscillator and output, 6C4 high voltage oscillator, 6AU6 audio limiter, 6H6 audio discriminator, 6AU6 1st audio, 25L6 audio output, 6X5 and 25Z6 low voltage rectifiers, 1—1B3/8016 high voltage rectifier, and 7JP4 electro-static cathode-ray viewing tube. Built-in 4' by 6' oval-type PM speaker; 2 watts audio output. Permeability-tuned IF's; AGC on all RF and IF circuits; all RF and osc. alignment adjustments available at front of chassis directly behind front panel; antenna input for standard 300-ohm ribbon lead-in. Cabinet power interlock for safety removes all voltages when lid of cabinet is opened; lid is locked to prevent opening except when required for normal tube replacement or maintenance. The T-54 operates from 105-125 volts, 50-60 cycles AC and is supplied complete with tubes and operating instructions. Underwriters' approved.

Shpg. wt., 45 lbs.

97-800. Cash Price.....

Terms: \$33.90 down, \$11.98 monthly for 12 months.

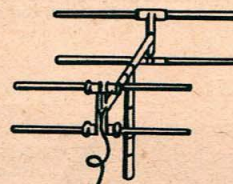
\$169<sup>50</sup>

97-849. Television Magnifying Lens. Made of Dupont Lucite. Magnifies to give a picture approximately double-size. Wide angle viewing. NET..\$19.95

## Easy To Install—Easy To Operate

Anyone can install and operate the Hallicrafters Television Receiver! Installation is made in four easy steps: 1. Place set in preferred room location. 2. Assemble antenna as directed (complete instructions are provided). 3. Attach lead-in to the terminals at rear of set. 4. Plug line cord into wall outlet—turn on receiver according to instructions you get with set—that's all there is to it! Operation is so simple that anyone, even the children, can operate it: 1. Turn combination power switch and Contrast control to ON. 2. Press desired Channel Button; then adjust Contrast and Brightness controls for best pictures. 3. Adjust audio control and "Fine Tuning" for desired volume—then sit back, and enjoy your television program—clear, sharp and bright!

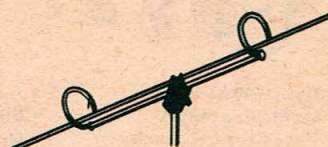
## IDEAL TELEVISION ANTENNAS



Taco Double-Doulet

If you are from 15 to 50 miles from the television station, use this highly efficient double-doulet antenna with double reflectors. Reduces "ghost" images; amplifies distant signals. Complete, ready to assemble, with 5-ft. mast, 60-ft. 300-ohm lead-in, insulators, cross-arms, rods, hardware, and instructions. Shpg. wt., 16 lbs.

97-300. NET.....\$14.70



Tricraft Model 300

For use in the "local" area within 15 miles of the television station. Designed to produce maximum signal with minimum noise. Complete with 94' mast, 65-ft. 300-ohm lead-in hardware, and instructions. Shpg. wt., 9 lbs.

97-309. NET.....\$11.61

For additional television antennas and accessories, see pages 109 and 110.