WARD ANTENNAS FOR FM AND TELEVISION

WARD MAST TYPE ANTENNAS

MODEL WM-3

Enjoy the full benefits of an outdoor 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 wire lead-in for easy mounting on either window sill or roof window frame. Does not interfere with opening or closing of window. Built of telescoping steel tubing extending 42" to 66". Sturdy, rustproof construction; heavily galvanized plate for long dependable service. Complete with two wire lead-in, angle, screws, washers and instructions. Shipped wt. 2 lbs. 7 oz. Price $3.25. List price $3.95.

REPLACEMENT ANTENNA LOOP

Wound on rigid fiberglass form. Has lug terminals. Replaces antenna coil in battery andidget sets or portable. Tuns may readily be removed to match loop being replaced.

MUELLER GROUND CLAMP

Type 5k. Positive contact, rustproof ground clamp. Minimum bite at grips. In place of all-screw or resistance clamps. Improves performance and eliminates heavy discharges. UL listed. Shipped wt. 1 lb. 13 oz. Price $4.50. List price $5.15.

ICSA TENNA-SCAPE LOOP


WARD MAST TYPE ANTENNAS

MODEL HM-4


MODEL HM-4

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. Range in stations not usually heard on ordinary dipoles. Reduces "ghost" image; amplifies distant signals. A rigid, all-steel, all-wether system. Antenna and reflector each have two dipoles. Complete with 60 ft. 300-ohm line and all hardware. 300-ohm line. 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 14 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. 300-ohm lead-in. Very easily installed. Only screwdriver and pliers needed. Complete with 9'/4" mast, 65-ft. 300-ohm line and all mounting hardware. 97-300. List, $15.75. NET... 11.61

YEE D-X TELEVISION ANTENNA
A new, highly directional antenna that provides greatly increased gain and brilliance. Provides most effective clear reception of television signals from stations as much as 100 miles from the receiver. Especially recommended for dealers, who must keep up reception on display models of television sets. Consists of 4 phased antenna elements, 4 reflector elements in a cross-arms, a 10'-4" 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. Loss transmission line. With instructions, $25.00. 97-3310. List, $21.50. NET... 75.00

G.E. DELUXE TWIN LINE
Heavy-duty G.E. type UWT-930 deluxe 300-ohm twin line. Ideal for all FM or television use. Handles up to 1 KW RF power. Has two No. 14 stranded leads, heavy polyethylene sheath, 1/8" wide. By the foot. 100 feet for... 9.00

SHUR ANTENNA MOUNT
Model M-1. Rugged cast aluminum mounting base. Will support any standard FM television antenna. May be used on peak or slope of any roof or any other type of house. Fits standard 1/2" mounting brackets easily attached to any angle. With instructions and hardware. 97-777. NET... 5.25

For High Fidelity Speakers See Pages 101 and 102

POPULAR KNIGHT CIRCULAR FOLDED DIPOLE
DIPOLE ANTENNAS

FOLDED DIPOLE FOR FM-AM
An excellent AM-FM folded dipole which will greatly improve reception. Wide 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 elements, best polarization dipole on 4-5 mast. Shpg. wt. 6 lbs. 97-3612. List, $10.50. NET... 4.80

FOLDED DIPOLE WITH REFLECTOR KIT
Provides maximum gain. Cuts down interference. Reflector kit consists of cross member with rotatable tilting dipole, insulator and mounting for 5-mast. 97-350. List, $13.50. NET... 6.95

NEW AMPHENOL ANTENNA PRODUCTS

ALL-WAVE ANTENNA

TELEVISION DOUBLE DIPOLE
New high-gain television antenna array. Covers all 15 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 64-88 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 54-84 mc are made of sturdy aluminum tubing. Supplied ready to install. Includes mast, clamp, supports, 75 feet of Amphehoul 300-ohm Twin Lead transmission line, 300-ohm twin line, mast clamp, stand-off insulators and instructions. Shpg. wt. 6 lbs. 97-2386. Type 114-300. List, $27.50. NET... 16.17

AMPHENOL "TWIN LINE"
49-440 (4-66) 300 3c $1.85
49-441 (4-68) 250 3c 1.20
49-442 (4-68) 75 3c 1.95

TRANSMITTING "TWIN LINE"
75 ohm. Type 14-221. Will handle up to 1 KW RF power. Propagation factor, 71%. Att. per 100 ft. 25. Weight per 100 ft. 24. 49-499. NET PER FOOT... 7c
100 feet for... 6.48
Special Feature Values

WESTERN ELECTRIC HIGH EFFICIENCY SPEAKERS

Fig. A. Developed by Bell Telephone Labs, the famous 7288 speaker represents one of the most advanced applications of modern sound reproducing technology. It is a compactly constructed, direct-radiator type of loudspeaker, with high power-handling capacity (50 watts continuous), and a frequency response that is uniform from 60 to 8000cycles. A tapering off 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 systems, radio monitoring, etc. Good coverage angle of 10 degrees. Call for 11 7/8" dia. 4"-hole, depth 4 5/8" useful. Voice coil clearance, 4.40. Four mounting holes to frame, equally spaced on 11 3/4" centers. Shp. wt., 19 lbs. 81-556. NET. $113.10

MODEL 750A—8 WATT

Fig. B. Only 9" in diameter and 3" deep, the Western Electric Model 750A 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 7288, above. Uniform response, 70 to 10,000 cycles. Very wide coverage angle; 70°. Voice coil clearance, 4.80. All metal parts are cadmium-plated. Diameter, 8 9/16". Depth overall, 3 3/4". Rabbet hole diameter, 3". Has 4 mounting holes on frame, equally spaced on 7 1/2" centers. Shp. wt., 6 lbs. 81-555. NET. $52.70

ELECTRO-VOICE PRODUCTS

CRYSTAL CONTACT MICROPHONE

Model 901. This Electro-Voice contact mike for any vibrating instrument, such as the guitar, snare drum, hi-hat, tambourine, etc. Enhances the reproduction of music, increasing volume and enriching tonal effect. Frequency range, 40-20,000 cps. Wires to terminal block. Size of contacts, .011". Shp. wt., 1.0 oz. 90-319. List. $15.00. NET. $8.82

CRYSTAL PHONO CARTRIDGE


NEW TRANSVISION 12" TELEVISION KIT

Absolutely no technical knowledge is needed to build this kit. Only a grounding iron, screwdriver, and piler are required. Kit is 100% complete, including a 12" Kinescope picture tube, sensitive dipole antenna, 22 tubes, punched and formed chassis, FM antenna, 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 kit. Each step refers to a numbered part and a numbered point on a diagram, clearly showing you precisely what to do. It is not necessary to be able to identify the parts; the manual takes care of everything! The 7-channel high-frequency RF unit is completely assembled, wired and adjusted. If coils are factory-potted for maximum performance. Build this set and know the thrill of having television right in your own home!

HIGH-SHUTOFF COMPONENTS USED THROUGHOUT

12" Kinescope Tube. Dumont 12F74 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 selected from 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 can be added later. Has better than 50 microvolt sensitivity.

Dipole Antenna. Built by nationally known manufacturer. Has 800-ohm matching line.

Write for Price List on All Transvision Kits

10-WATT TELEVISION KIT

Fig. C. 12" (type 15) picture tube, 27 tubes, 3 antenna coils, four small motors, power transformer, power supply, all parts, tools, lead in wire, hardware included. Kit is complete, including cabinet and screen. 22 x 18 x 18". Shp. wt., 70 lbs. 83-282. Transmission Kit complete with tubes, less cabinet. WRITE FOR PRICE. 83-283. Select walnut table model cabinet. Ready for installation. 34 x 17 x 17". Write for Price.

Write for Price List on All Transvision Kits

POPULAR COMPAC FLUORESCENT FIXTURES

15-WATT UTILITY LAMP

Model 212A. A fine bulb and utility lamp that gives restful, eye-soothing fluorescent light. Fixed steel construction. Intended for wall or desk mounting, clips prevent possibility of touching furniture. Shp. wt., 3 1/2 oz. 91-121. List, $1.00. NET EACH. $0.47. Lots of 3, NET EACH. $0.44

CIRCLINE FLUORESCENT DESK AND TABLE LAMP

Uses new F13-type circular fluorescent tube. With metal shade, tapered stem, and heavy base. Solid state control with baked-on white finish. Shp. wt., 1 lbs. 91-216. List, $1.15. NET. $1.00

CIRCLINE FLUORESCENT CEILING AND WALL FIXTURE

Here's a versatile fluorescent fixture that features the new-type circular bulb, to give clear, long-lasting light. Popular in homes, offices, store, display rooms, kitchens, bathrooms, restaurants, playrooms, corridors, etc. Lamp is mounted on a heavy-gauge steel fixture, 13 1/2" x 12". Ac. installation, 10-100 volt, 20-watt lamp. 91-270. List, $15.88. NET EACH. $10.29. Lots of 3, EACH. $9.72

Write for Price List on All Transvision Kits

TWO-LIGHT ADAPTORITE

Model 2125. Fluorescent fixture, especially designed for churches, bathrooms and other small rooms. Fits into any ceiling outlet that has standard 4"-hole. Complete with clips, aluminum construction, 2 1/2" X 2 1/2" X 12". Wired, through a 2-wire, 6-amp. circuit. Shp. wt., 3 lbs. 91-125. List, $2.00. NET EACH. $0.70. Lots of 5, EACH. $0.65

Write for Price List on All Transvision Kits

ALLIED RADIO CORPORATION, 833 W. Jackson Blvd., Chicago 7, III.
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 5½" 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 7½". 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 20½" long, 9½" 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 FM 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 $169.50 COMPLETE

FOR THE HOME
FOR CLUBS, TAVERNS, SCHOOLS, ETC.

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, 12BH6 2nd. det.-AGC, 12SN7 cascade dual triode video amplifier, 6AU6 sync. clipper and DC restoring.
- 1-12SN7 vertical oscillator and output, 2-12SN7 vertical oscillator and output, 6C4 high voltage oscillator, 6AU6 audio limiter, 6H6 audio discriminator, 6AU6 1st audio, 23L4 audio output, 6X5 and 2526 low voltage rectifiers, 1-183/8016 high voltage rectifier, and 7146 electro-static cathode-ray viewing tube. Built-in 4" by 6" oval-type PM speaker; 2 watts audio output. Permanently tuned IF's; AGC on all RF and IF circuits; all RF and osc. adjustments available at front of chassis directly behind front panel; antenna input for standard 300-ohm 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.

Shtg. wt., 45 lbs.
Terms: $33.50 down, $11.50 monthly for 12 months.

97-800. Cash Price.......
97-849. Television Magnifying Lens. Made of Dupont Lucite. Magnifies to give a picture approximately double-size. Wide angle viewing. NET. $81.95

IDEAL TELEVISION ANTENNAS

Taco Double-Doublet
If you are from 15 to 50 miles from the television station, use this highly efficient double-doublet 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. Shtg. wt., 16 lbs.

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

Tricraft Model 300

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

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

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 a desired 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. Press desired Channel Button; then adjust Contrast and Brightness controls for best pictures. 2. Adjust audio control and "Fine Tuning" for desired volume—then sit back and enjoy your televised program—clear, sharp and bright!