

# RCA RADIO BROADCAST EQUIPMENT

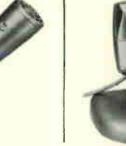
12-INCH SPEAKER, SL-12 with frequency response

from 50 to 16,000 cycles can be mounted in wall housing (at right). Used in control rooms, studios and announce booths; also excellent for executive

offices, reception rooms, sponsors' booths,

#### MICROPHONES





THE "COMMENTATOR"-PRES-SURE MICROPHONE, BK-1A. r desk stand or floor stand



PROGRAM VELOCITY MICRO-PHONE, SK-46. For studio or control room announcing and control room announcing and announce booth. Light weight, small size attractive styling. High-quality sound reproduc-tion, bi-directional. frequency range, 50-10,000 cycles.



SPEAKERS



THE "BLOCK-BUILDER" AUDIO CONSOLETTE, BC-5A. Nine Inputsnizer positions. Built-in power supply. Easily expanded for dual hannel use by "pairing."



THE "GENERAL-PURPOSE" AUDIO CONSOLETTE BC-3B. Thirteen Inputs-6 microphones, 2 turntables, 2 remate lines, 1 network, 2 utility inputs which may be used for additional turntables, tape, or as required. Eight mixer positions. Built-in power supply. Easily ex-panded for dual channel use by pairing with BC-5A. Convenient script rack.

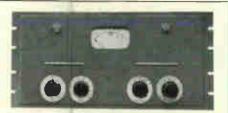
PORTABLE OR RACK MOUNT RECORDER, TYPE SRT-2. Transistor record and playback amplifier with etched wiring. VU meter and recording level indicator. Electro dynamic tape tensioning and braking. Direct synchronous motor tape drive. 3<sup>3</sup>/<sub>4</sub> and 7<sup>1</sup>/<sub>2</sub> IPS operation—by selector switch. Fast forward and rewind speed. Automatic tape lift during fast winding. Vertical or horizontal

requency Response: Record and playback ±3db from 40 to 2,000 cps Dimensions: Height: 101/2". Width: Minimum depth required: <sup>2<sup>11</sup> from front of panel</sup> Weight: 35 lbs.



THE "DUAL-CHANNEL" AUDIO CONSOLETTE, BC-6A. Twenty-Two Inputs-10 microphones, 2 turntables, 2 tape, 2 film, 5 remote lines, 1 network. Dual or single channel operation with "split-mixer" faders. Master fader controls both channels simultaneously. Ideol for binaural broadcasting. Nine mixer positions. Two built-in power supplies (one for each channel) for greater reliability. Two monitoring channels, one for program monitoring and talkback, one for cueing and feeding background to studios. Convenient script rack.

### LIMITING AMPLIFIER



LIMITING AMPLIFIER, BA-6A. Provides economihigh-quality operation in program input nnels to transmitter. Automatically limits audia signal peaks, preventing overnodulation and averloading Avoids distortion and adjacent channel interference. Provides more effective use f transmitter power

#### REMOTE CONTROL EQUIPMENT



CONTROL UNIT, 108-0D. Located at control point.



TRANSMITTER UNIT, 108-1D. Located at trans-

rom any desired control point, RCA Remote Cantrol Equipment provides facilities to per-farm FCC-required cantrol functions and me-tering. Additional functions may be added as desired far further operational convenience.

#### SPEAKERS

TRANSMITTERS

12-INCH SPEAKER, SL-12 with frequency response from 50 to 16,000 cycles can be mounted in wall housing (at right). Used as a monitoring speaker, it provides superb quality sound at the trans mitter location.



8000

AM BROADCAST TRANSMITTERS, BTA-500MX-500 Watts and BTA-1MX-1 KW.

nical operation. Occupies only 6. sq. ft. of floor area. Fewer tubes (anly 14 in the 500MX, 15 in the TMX and only 4

## MONITORING EQUIPMENT



FREQUENCY MONITOR, BW-11B. Continuously and accu-rately indicates in cycles-persecond the magnitude and di rection of any carrier signa departure from its proper fre



MODULATION MONITOR, BW-66E. Gives continuous direct reading indications of madula-tion percentage in carriers of transmitters operating in the range of 500 to 2500 kc. High and low impedance output pro-vides for manitor and measur-ing equipment feed.









CUSTOM-BUILT ANTENNA TUNING UNITS. For all powers. Efficiently match broadcast an-tennas to either cancentric or open wire transmission lines and also aid in suppressing carrier harmonics



SELF-SUPPORTING TOWER



#### GUYED TOWER

RCA ASSISTS IN TOWER PLAN. NING ... provides the broad-caster with today's most efficaster with today's most ethi-cient AM radiators and as-sociated equipment such as transmission line, tower light-ing, etc. Both self-supporting and guyed structures can be supplied to fill any require ment.

## MISCELLANEOUS ITEMS

#### TRANSMISSION LINE

38" Soft Copper 72-ohm Steatite Coaxial Line and Fittings.

‰" Soft Copper 72=ohm Steatite and <sup>7</sup>/<sub>8</sub>" Soft Copper 51.5-ohm Steatite Coaxial Line and Fittings.

7/8" Hard Copper 72-ohm Steatite Coaxial Line and Fittings.

%" Hard Copper 51.5-ohm Steatite Coaxial Line and Fittings.

158" Hard Copper 72-ohm Steatite Coaxial Line and Fittings.

1%" Hard Copper 51.5-ohm VHF Steatite Coaxial Line and Fittings

3<sup>1</sup>/<sub>8</sub>" Hard Copper 51.5-ohm VHF Steatite Coaxial Line and Fittings

31/8" Hard Copper 51.5-ohm VHF Teflon Coaxial Line and Fittings

#### Miscellaneous Transmission Line Installation Accessories

Horizontal Anchor Assembly (Single) Horizontal Anchor (Dual) Horizontal Roller Assembly Lateral Brace Line Spreader Swivel Hangers Dehydrator Equipment

#### PHASING EQUIPMENT

Cabinets for Phasing Equipment Line Terminating Units Phase Meters **Remote Metering Kits** Field Intensity Meters

#### STL (Studio Transmitter Link) EQUIPMENT

Studio Transmitter Link

Transmitter/Receiver Antenna (Set of two 6-ft. Mesh)

Transmitter/Receiver Antenna (Set of two 4-ft. Mesh)

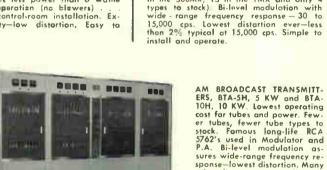
Tube Complement of Transmitter/Receiver BTL-1B

INPUT AND MONITORING EQUIPMENT

UNIVERSAL TRANSMITTER CONTROL CONSOLE



AM BROADCAST TRANSMITTER, BTA-250M Watts. An economical, small size mple-to-operate transmitter. Fewer tubes only 10). Fewer tube types (only 3 types o stock). Uses less power than o waffle iron, Quist operation (no lewers) . . . suitable for control-room installation. Ex-cellent fidelity-low distortion, Easy to install.



AM BROADCAST TRANSMITT-ERS, BTA-5H, 5 KW and BTA-10H, 10 KW. Lowest operating cost far tubes and power. Fewtubes, fewer tube types to k. Fomous long-life RCA 5762's used in Modulator and P.A. Bi-level modulation asures wide-range frequency re sponse-lowest distortion. Many other features . . . split-cycle overload protection, sliding cessibility, simple two-tuning ontrol operation Space saving floor plan.



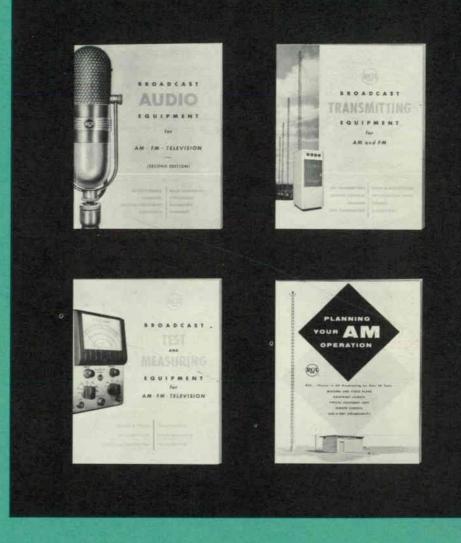
THE "AMPLIPHASE" 50 KW AM BROADCAST TRANSMIT-TER, BTA-50G Requires less than 80 sq ft. of floor space-smaller than many 5 KW's. Insmaller than many 5 KW's. In-ternal ducts—no air duct in-stallations necessary. Half the stallations necessary. Halt the tube cost and lowest operating cost ever offered in a 50 KW transmitter. Long - life 5671 tubes used. Excellent frequency response and distartion char-acteristics. Permits remate-con-trol or attended operation.





for complete detailed information on all RCA Broadcast equipment ask your RCA representative for these catalogs, or write to field offices, listed below-

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## Broadcast and Television Equipment Department

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