

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

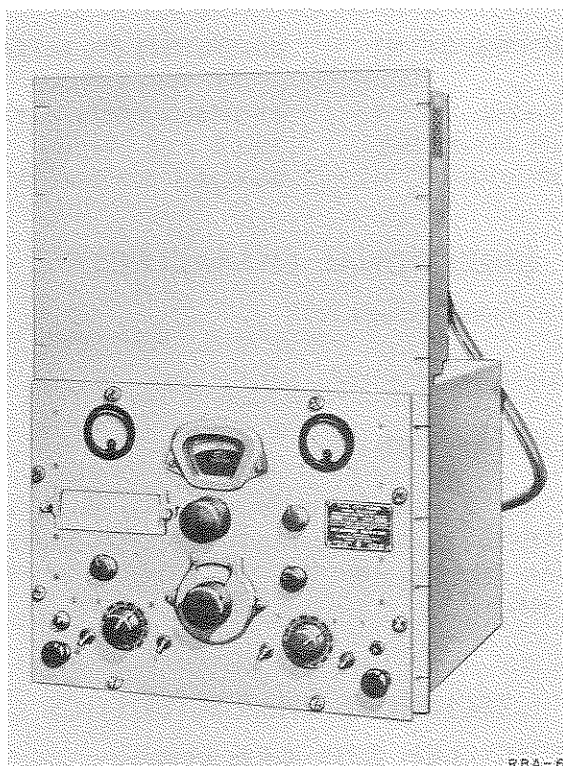
DATE OF THIS SHEET: 8 Apr 52

**AN/URR-TYPE**

SERVICE TYPE NUMBER:

RBA-6

RADIO RECEIVING EQUIPMENT



Radio Receiving Equipment RBA-6 is a general purpose, tuned r-f receiver used for shipboard or shore station radio reception in the low- and medium-frequency bands.

This receiver provides for operation of a number of receivers from a common antenna and transmission line.

Automatic regulation of receiver output signal voltage (as a function of load resistance) permits from one to twenty 600-ohm headphones to be connected across the output circuit with less than 40 percent change in output voltage.

It is electrically interchangeable with the RBA, RBA-1, -2, -3, -5.

Sensitivity is 10-uv input for 6-mw output on cw.

Input impedance is adjustable over a wide range.

AN/URR-TYPE		INSTRUCTION LITERATURE: NavShips 900.708
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### MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver CFT-46300	13-31/32 x 18-1/8 x 17-19/64	95
1	Rectifier Power Unit CRV-20130-B	13-1/2 x 15 x 9-3/4	52
1	Mounting Shelf CAOP-10348-A	14-9/32 x 19 x 3-29/32	53

### OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard or shore stations.

INSTALLATION: Ground, shipborne, mounted.

APPROXIMATE RANGE (IN MILES): Long.

CAN COMMUNICATE WITH: AN/ARC-8; AN/ART-13; AN/CRT-3, -5; AN/FRT-4, -10, -19; AN/GRT-2;  
AN/MRC-20; AN/SRC-3; AN/SRT-1, -3; AN/TRQ-1; AN/URT-2, -3, -4; BC-191, -329, -365; SCR-177;  
T-5/FRC, -171/FR; TAB; TAJ; TAO; TBL; TBN; TBU; TBW; TCE; TCG; TCY; TCZ; TDD; TDE; TDK;  
Marconi TH-41/B; Wilcox 99A.

### TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.015 - 0.6 in 4 bands.

Band 1: 0.015 - 0.038

Band 3: 0.095 - 0.235

Band 2: 0.038 - 0.095

Band 4: 0.235 - 0.600.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw and mcw on all bands. Voice reception is possible, but some distortion is present below 0.3 mc due to the high order of selectivity and audio frequency filters.

POWER OUTPUT: 50 mw into 600 ohm load; 500 mw into 30 ohm load.

POWER REQUIREMENTS: 66 w, 110 - 120 v, 55/65 cyc, 1 phase, ac.

### PHYSICAL CHARACTERISTICS

Radio Receiving Equipment RBA-6 measures 28-9/16 x 19 x 9-3/4 inches, net weight 200 pounds, volume 3.9 cu ft. Packed for domestic shipment: total weight 365 pounds, total volume 29.03 cu ft, 0.73 ship ton.