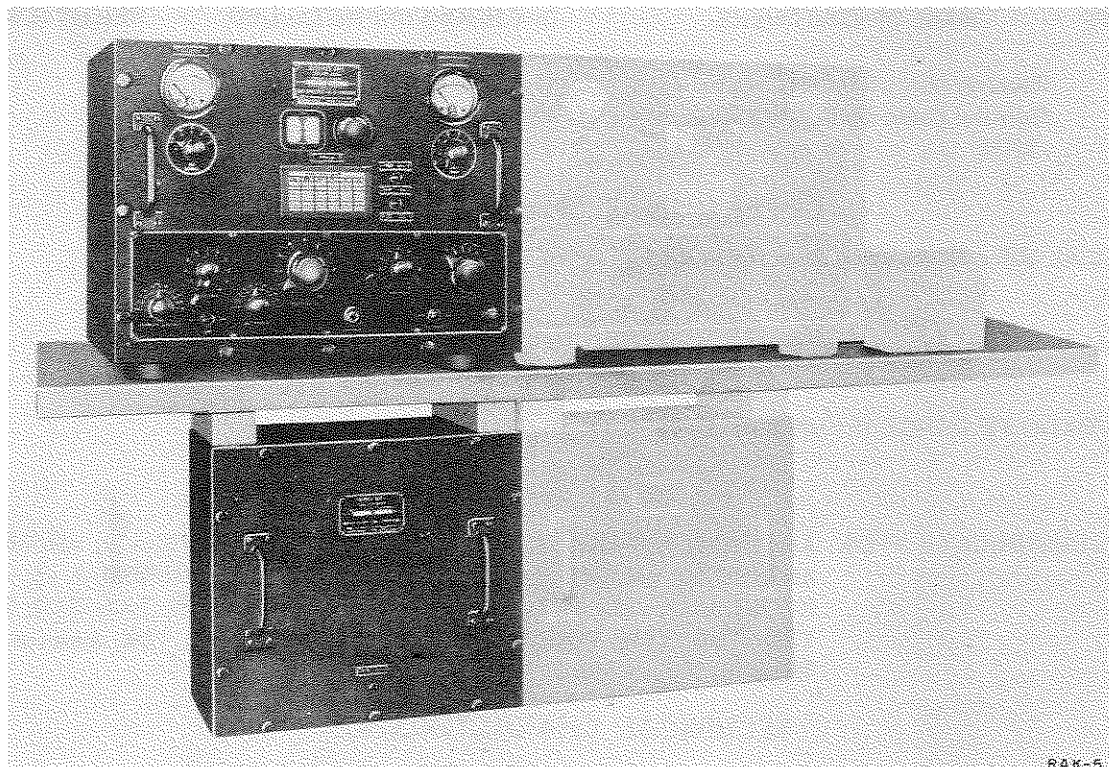


STATUS: Limited Standard	AN/URR-TYPE
CLASSIFICATION OF EQUIPMENT: Unclassified	
USING SERVICE: Navy	
DATE OF THIS SHEET: 29 Mar 52	
	SERVICE TYPE NUMBER: RAK-5, -6
	RADIO RECEIVING EQUIPMENT



Radio Receiving Equipment RAK-5 and -6 are general purpose tuned r-f receivers designed primarily to receive telegraph signals within the range of frequencies from 0.015 to 0.600 mc. Voice reception is intelligible only above 0.2 mc.

Either the RAK-5 or RAK-6 is often installed adjacent to an RAL series receiver to form a complete two-channel installation for guarding two frequencies simultaneously. A separate control unit is supplied with the RAL-5 through -8 receivers which permits this type of operation.

In an emergency, the receiver can be operated directly from batteries.

Equipment required but not supplied: 600-ohm headset and receiving antenna.

AN/URR-TYPE		INSTRUCTION LITERATURE: IB-38043; NavShips 95231
RAK-5, -6	SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO RECEIVING EQUIPMENT		USING SERVICE: Navy
		DATE OF THIS SHEET: 29 Mar 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Receiver Unit CRV-46044, -46155	13-5/16 x 18 x 16-3/4	74
1	Rectifier Power Unit CRV-20036A, -20131	12-1/4 x 14 x 8-5/8	41

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard or shore stations.

INSTALLATION: Shipborne, ground.

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; TAQ; TBL;
TBN; TBU; TBW; TCE; TCG; TCY; TCZ; TDD; TDE; TDK; Marconi
TH-41-B; Wilcox 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.015-0.600, in six bands.

Band 1: 0.015 — 0.025.	Band 4: 0.0775 — 0.153.
Band 2: 0.025 — 0.0435.	Band 5: 0.153 — 0.308.
Band 3: 0.0435 — 0.0775.	Band 6: 0.308 — 0.600.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, icw, mcw, voice (above 0.2mc).

POWER OUTPUT: 170 mw.

POWER REQUIREMENTS: With ballast tube: 200 w, 115 v ($\pm 10\%$) 60 cyc, 1 phase.
Without ballast tube: 60 w, 115 v ($\pm 10\%$) 60 cyc, 1 phase.
Battery operation: 12.6 w, 6.3 v and 8.1 w, 180 v.

PHYSICAL CHARACTERISTICS

Radio Receiving Equipment RAK-5 and -6 measures 26 x 18 x 16-3/4 inches each.