

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

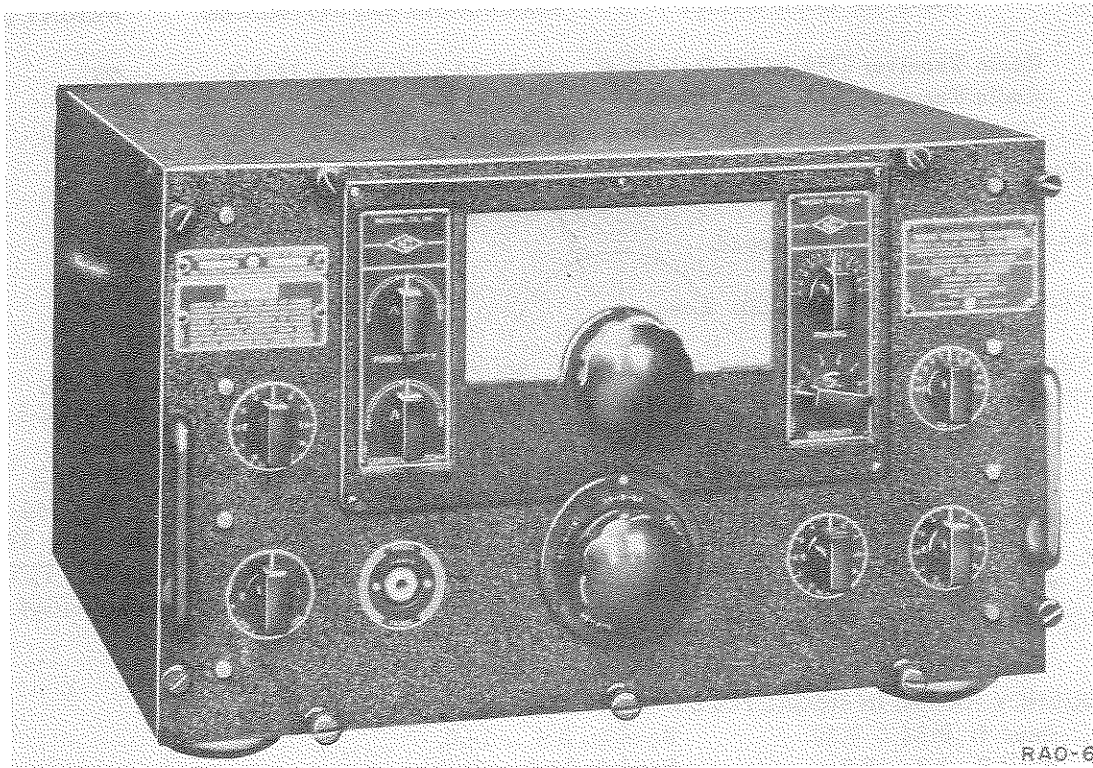
DATE OF THIS SHEET: 29 Mar 52

AN/URR-TYPE

SERVICE TYPE NUMBER:

RAO-6, -7

RADIO RECEIVING EQUIPMENT



Radio Receiving Equipments RAO-6 and RAO-7 are general purpose, a-m (voice, cw, icw, and mcw) receivers of radiotelegraph or voice signals. Radiation of r-f power from the internal heterodyne oscillator has been reduced to less than 400 uuw at antenna terminals.

These sets each have a coaxial antenna input receptacle for a shielded lead-in cable. There is also an output socket for connection to an auxiliary panoramic adapter such as Navy Model OBH, or equivalent.

Headset or loudspeaker and antenna are required but not supplied.

These receivers can be operated directly from batteries in an emergency.

AN/URR-TYPE		INSTRUCTION LITERATURE: NavShips 900,351
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver CNA-46187-D (RAO-6)	10-21/32 x 17-3/16 x 17-1/4	75
1	Radio Receiver CNA-46233 (RAO-7)	12-7/16 x 19 x 17-25/32	97

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard or shore stations.

INSTALLATION: Shipborne or ground.

APPROXIMATE RANGE (IN MILES): Long.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -21, -25; AN/ART-13; AN/CRT-3; AN/FRC-10; AN/FRT-5, -6, -15, -17, -18, -19; AN/GRC-9, -13, -26; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRT-4; AN/TRQ-1; AN/URT-2, -3, -4, -10; AN/VRC-1, -4; AN/VRT-1; BC-191, -339, -365, -401, -447, -610; MBS; MQ; OA-60A/FRT, -60B/FRT; RC-52; SCR-177, -188, -193, -274, -281, -399, -499, -506, -536, -543, -585, -694; T-4/FRC, -5/FRC, -83/SR, -158/FRT, -159/FRT, -171/FR, -172/FR, -173/FR, -174/FR, -175/FR, -177/FR, -180/FR; TAB; TAJ; TAQ; TBA; TBC; TBK; TBL; TBM; TBN; TBO; TBU; TBW; TBX; TBY; TCB; TCC; TCE; TCH; TCK; TCP; TCS; TCZ; TDD; TDE; TDF; TDH; TDN; TDO; TEB; TEC; TEF; Collins 18S-4 (AF Model); Collins 32V-2; Fisher TS 253; Marconi TH-41-B; Westinghouse Type MW; Wilcox 96D, 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.54 - 30.0, in 5 bands.

Band 1: 0.54 - 1.30.

Band 4: 6.4 - 14.0.

Band 2: 1.3 - 2.8.

Band 5: 14.0 - 30.0.

Band 3: 2.8 - 6.4.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, icw, mcw, voice.

POWER OUTPUT: 0.3 w.

POWER REQUIREMENTS: 60 w, 115 v^(+ 10%) 50/60 cyc, 1 phase.

Battery operation: 22 w, 6.3 v and 5.4 w, 135 v.

PHYSICAL CHARACTERISTICS

Radio Receiving Equipment RAO-6 measures 12-1/2 x 17-1/2 x 18-3/4 inches, net weight 127 pounds, volume 2.3 cu ft. Packed for domestic shipment: total weight 177 pounds, total volume 6.8 cu ft. Shipped in 1 package.

Radio Receiving Equipment RAO-7 measures 12-7/16 x 19 x 18-15/16 inches, net weight 169 pounds, volume 3.5 cu ft. Packed for domestic shipment: total weight 253 pounds, total volume 8.2 cu ft. Shipped in 2 packages.