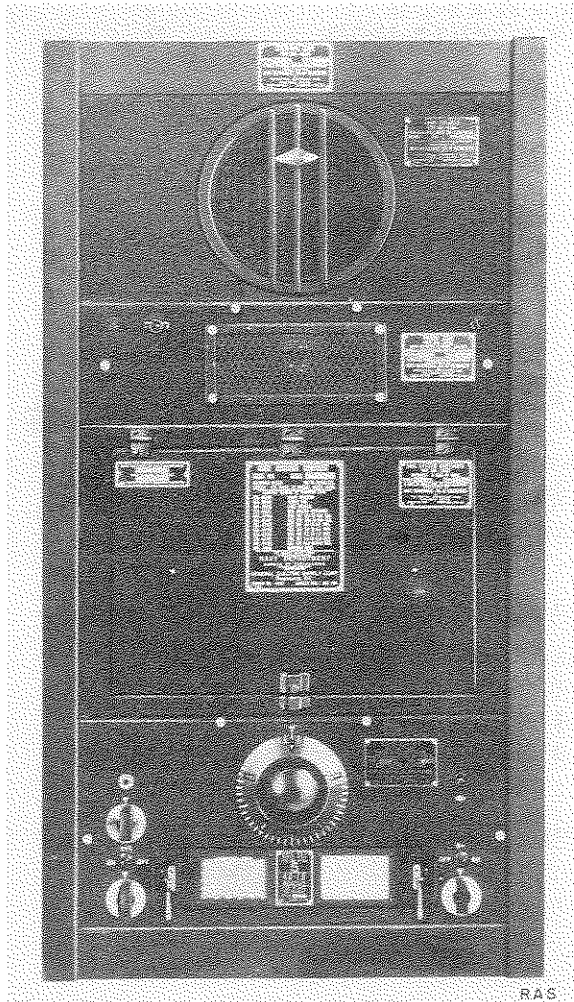


STATUS: Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Navy
DATE OF THIS SHEET: 29 Mar 52

AN/URR-TYPE

SERVICE TYPE NUMBER: RAS, RAS-1 Through-5
RADIO RECEIVING EQUIPMENT



Radio Receiving Equipments RAS and RAS-1 through -5 are general purpose, rack-installed, radio receivers of radiotelephone or radiotelegraph signals.

The antenna input circuit is suitable for operation with either a single wire antenna or a balanced feed line.

A combination headphone-jack/loudspeaker-switch is provided for selection of either headphone or loudspeaker reception.

Besides the "Plate Volts-On-Off" switch, there is a terminal strip at the rear for remote control connections, permitting silencing of the receiver when a nearby transmitter is being used.

A receiving antenna is required but not supplied.

Can be operated from batteries in an emergency.

AN/URR-TYPE		INSTRUCTION LITERATURE: NavShips 95236 through 95239
RAS, RAS-1 through-5 :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 CNA-46080	8-3/4 x 19 x 10-1/4	35
1	Coil System Container CNA-10037	12-1/4 x 19 x 6-5/8	26
1	Rectifier Power Unit (50-60 cyc) CNA-20090 or Rectifier Power Unit (25 cyc) CNA-20089	5-1/4 x 19 x 9-3/4	22
1	Loudspeaker CNA-49105	8-3/4 x 19 x 4-1/16	9
1	Mounting Rack CNA-10036	39-1/2 x 20-1/2 x 12-3/8	27

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard or shore stations.

INSTALLATION: Shipborne, ground.

APPROXIMATE RANGE (IN MILES): Long.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25; AN/ART-13; AN/CRT-3, -5; AN/FRC-10; AN/FRT-5, -6, -10, -15, -17, -18, -19; AN/GRC-9, -13, -26; AN/GRT-2; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRC-3; AN/SRT-1, -3, -4; AN/TRQ-1; AN/URT-2, -3, -4, -10; AN/VRC-1, -4; AN/VRT-1; BC-191, -329, -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; TBL; TBM; TBN; TBO; TBU; TBW; TBX; TBY; TCB; TCC; TCE; TCH; TCK; TCP; TCS; TCY; TCZ; TDD; TDE; TDF; TDH; TDK; TDW; TDO; TEB; TEC; TEF; Collins 18S-4 (AF Model); Collins 32V-2; Fisher TS 25-3; Marconi TH-41-B; Westinghouse Type MW; Wilcox 96D, 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.19 - 30.0 in 7 bands.

Band 1: 0.19 - 0.45

Band 4: 2.0 - 4.0

Band 7: 14.0 - 30.0.

Band 2: 0.45 - 0.90

Band 5: 4.0 - 7.0

Band 3: 0.90 - 2.0

Band 6: 7.0 - 14.0

TYPE MODULATION: Am.

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

POWER OUTPUT: 10 mw, headphone output;
2 w, loudspeaker output.

POWER REQUIREMENTS: 70 w, 110 — 120 v, 50/60 cyc, 1 phase, ac.
70 w, 110 — 120 v, 25 cyc, 1 phase, ac.
Battery operation: 10 w, 180 v and 21 w, 6.3 v.

PHYSICAL CHARACTERISTICS

Each Radio Receiving Equipment RAS and RAS-1 through -5 measures 39-1/2 x 20-1/2 x 13-7/8 inches, net weight 140 pounds.