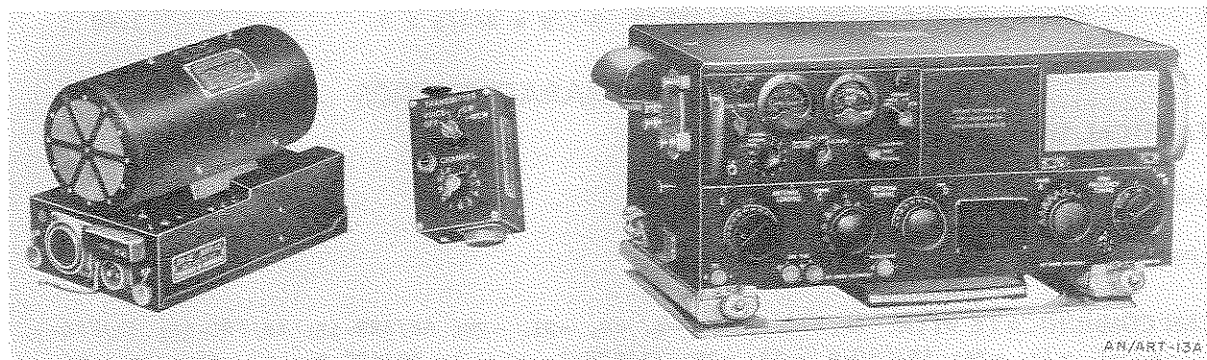


STATUS: Standard  
CLASSIFICATION OF EQUIPMENT: Unclassified  
USING SERVICE: Navy  
DATE OF THIS SHEET: 9 May 52

**AN/ART-13A**

RADIO TRANSMITTING SET



Radio Transmitting Set AN/ART-13A is designed for use in aircraft and air-ground communication. It employs an autotune system which permits rapid selection of any one of 11 channels, and choice of type of emission.

The autotune system can be controlled either by the radio operator or by the pilot.

A pressure operated relay, automatically reduces the power output by 50% whenever the aircraft reaches an altitude of 25,000 feet.

This equipment is essentially similar to Radio Transmitting Set AN/ART-13 and Aircraft Radio Transmitting Equipment ATC, but is lighter in weight and provides I-f channel operation in the 0.2 to 1.5 mc range.

<b>AN/ART-13A</b>	INSTRUCTION LITERATURE: Not Available
	CLASSIFICATION OF EQUIPMENT: Unclassified USING SERVICE: Navy DATE OF THIS SHEET: 9 May 52
RADIO TRANSMITTING SET	

**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter T-47A/ART-13	11-11/32 x 15-15/32 x 23-9/16	67.0
1	Oscillator O-17/ART-13A	Not Available	Not Available
1	Dynamotor Unit DY-17/ART-13A	8-13/16 x 7-3/16 x 11-15/16	28.0
1	Control Unit C-87/ART-13	3-1/4 x 3-1/2 x 6-3/16	1.4
1	Antenna Loading Unit CU-32/ART-13A	Not Available	Not Available
1	Antenna Shunt Capacitor CU-24/ART-13	3-7/8 x 4-1/8 x 5	1.68

**OPERATIONAL CHARACTERISTICS**

TACTICAL USE: Aircraft.

INSTALLATION: Airborne.

APPROXIMATE RANGE (IN MILES): Medium.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25; AN/ARR-15; AN/FRC-10; AN/FRR-3, -4, -7, -12, -28; AN/GRC-9, -13, -26; AN/GRR-2, -3, -5; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRC-3; AN/SRR-3, -8, -11, -12, -13; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-1, -4; AN/VRR-2; BC-312, -314, -342, -344, -348, -453, -779, -794, -1004; MBS; MQ; OA-58/FRC, -59/FRC; R-62/PR, -80/PR, -96/SR, -129/U, -203/SR, -205/U, -206/PR, -208/FR, -209/FR, -210/U, -211/U, -212/SR, -213/SR, -215/SR, -247/URR, -274/FRR, -320/FRC, -388/URR; RAK; RAL; RAO; RAS; RBA; RBB; RBC; RBG; RBH; RBL; RBN; RBO; RBP; RBS; RCF; RCG; RCH; RDE; RDF; RDM; REA; SCR-177, -188, -193, -244, -274, -281, -399, -499, -506, -536, -543, -585, -593, -614, -694, -704; TBO; TBX; TCH; TCP; TCS; AR-98 (RCA); ARC Type 12; Collins 18S-4 (AF Model); Collins 75A-2; Fisher TS 25-3; Hammarlund SP-600-JX; National HRO-50.

**TECHNICAL CHARACTERISTICS**

FREQUENCY RANGE IN MEGACYCLES: L-f range (one channel) 0.2 - 1.5.  
H-f range (ten channels) 2.0 - 18.0.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, mcw, voice.

POWER OUTPUT: 5 - 80 w on the l-f range.  
31 - 90 w on the h-f range.

POWER REQUIREMENTS: 770 - 896 w, 28 v dc.

**PHYSICAL CHARACTERISTICS**

Information on Radio Transmitting Set AN/ART-13A not available.