

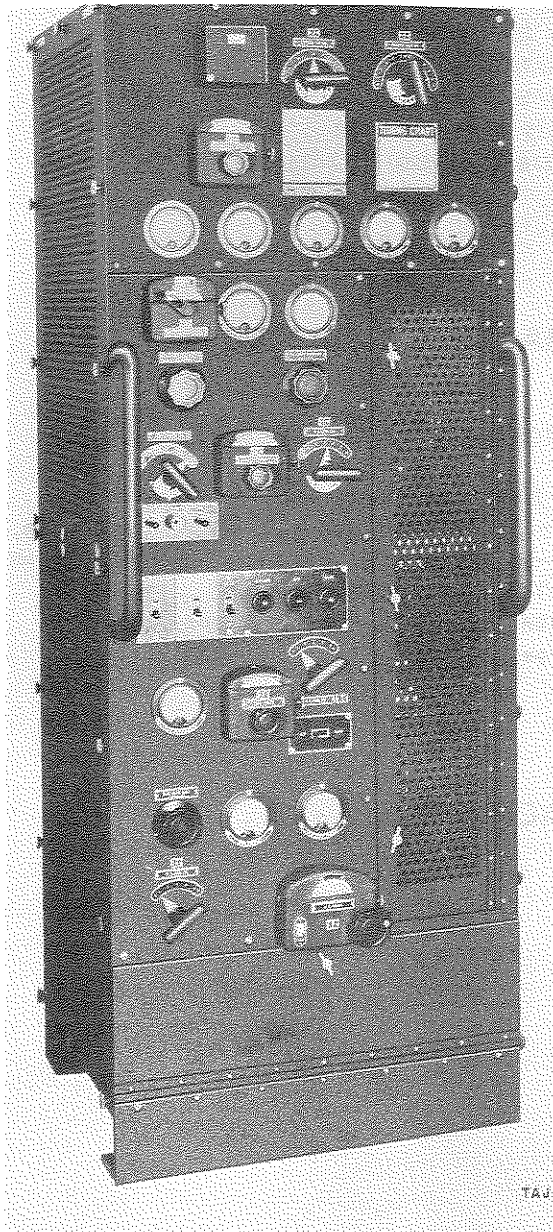
STATUS: Limited Standard
 CLASSIFICATION OF EQUIPMENT: Unclassified
 USING SERVICE: Navy
 DATE OF THIS SHEET: 29 May 52

AN/BRT-TYPE

SERVICE TYPE NUMBER:

TAJ

500 WATT TRANSMITTING EQUIPMENT



500 Watt Transmitting Equipment TAJ is a general service, m-f, medium power a-m (cw, mcw) radio-telegraph transmitter for use on submarines. The transmitter may be operated locally, or remotely over a standard four- or six-wire control system, and employs crystal oscillator frequency control.

Motor generators and starters are available which permit operation of the equipment from either 115-v, or 230-v, d-c power source.

AN/BRT-TYPE		INSTRUCTION LITERATURE: Not Available
TAJ	:SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
500 WATT TRANSMITTING EQUIPMENT		USING SERVICE : Navy
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Transmitter Unit CAY-3334A	46 x 26-1/8 x 17	425
1	Motor-Generator *CAY-3689 or **CAY-3690	20-5/16 x 36 x 18 20-5/16 x 36 x 18	1,200 1,200
1	Filter Unit CAY-3335A	27-7/8 x 14 x 12-1/8	100
1	Starter *CAY-3415, or **CAY-3416 *115-v dc. **230-v dc.	25-3/8 x 21-1/8 x 13-11/16	135

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Submarines.

INSTALLATION: Submarine.

APPROXIMATE RANGE (IN MILES): Medium.

CAN COMMUNICATE WITH: AN/FRR-4, -28; AN/GRR-2, -3; AN/MRC-5, -8, -20; AN/SRC-3; AN/SRR-3, -11, -12; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-4; BC-314, -344, -348, -453, -779, -1004; HBS; OA-58/FRC; R-62/PR, -80/PR, -96/SR, -129/U, -203/SR, -205/U, -206/PR, -210/U, -211/U, -212/SR, -213/SR, -215/SR, -247/URR, -274/FRR, -320/FRC, -388/URR; RAK; RAL; RAO; RAS; RBA; RBB; RBG; RBH; RBL; RBM; RBO; RCF; RCG; RCH; RDF; RDM; SCR-177, -244, -274, -614; AR-88 (RCA); ARC Type 12; Fisher TS 25-3; Hammarlund SP-600-JX; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.195- 0.60.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, mcw.

POWER OUTPUT: 300 w.

POWER REQUIREMENTS: 3 kw, 115/230 v, dc.

PHYSICAL CHARACTERISTICS

500 Watt Transmitting Equipment TAJ measures 46 x 26-1/8 x 17 inches.