

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

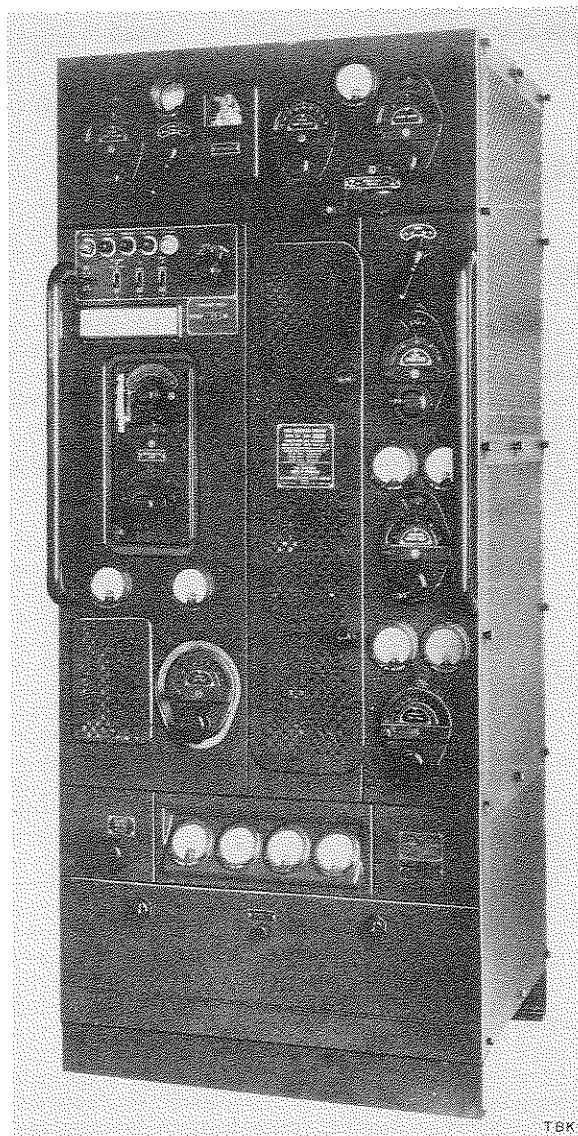
DATE OF THIS SHEET: 8 May 52

AN/URT-TYPE

SERVICE TYPE NUMBER:

TBK

RADIO TRANSMITTING EQUIPMENT



Radio Transmitting Equipment TBK is a general purpose, a-m (cw), radiotelegraph transmitter for ship or shore use in h-f communications. Keying speeds up to 100 wpm are possible. The power output may be varied from the nominal full power to a minimum of 75 w.

This transmitter uses master oscillator frequency control and is continuously variable over its frequency range.

It has provisions for operation over the standard remote control system of Naval vessels.

A junction box is used where two transmitters and two rectifier equipments are installed near each other; the rectifier circuits are connected to the transmitters via the junction box.

A typical installation of this type uses a TBK and the 500 Watt Transmitting Equipment TAJ.

AN/URT-TYPE

INSTRUCTION LITERATURE: Not Available

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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Transmitter Unit CAY-82032	72 x 32 x 24	695
1	Rectifier Power Unit CAY-20018	71-7/8 x 23-15/16 x 22-7/8	975
1	Junction Box CAY-23055	46-1/8 x 23-7/16 x 11-7/8	150

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, -26; AN/ARR-15; AN/FRC-10; AN/FRR-3, -4, -7, -12, -28, -32; AN/GRC-9, -13, -26; AN/GRR-2, -3, -5; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRR-3, -8, -12, -13; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-1, -4; AN/VRR-2; BC-312, -342, -348, -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, -213/SR, -274/FRR, -320/FRC, -388/URR; RAL; RAO; RAS; RBB; RBC; RBG; RBH; RBM; RBO; RBP; RBS; RCF; RCG; RCH; RDE; RDM; REA; SCR-177, -188, -193, -244, -274, -281, -399, -499, -506, -536, -543, -588, -593, -694, -704; TBO; TBX; TCH; TCP; TCS; AR-98 (RCA); 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: 2.0 - 18.1.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw.

POWER OUTPUT: 2.0 - 18.1 mc: 500 w.
2.0 - 9.05 (power amplifier disconnected): 75 w.

POWER REQUIREMENTS: 440 v, 60 cyc, 3 phase, ac.

PHYSICAL CHARACTERISTICS

Radio Transmitting Equipment TBK weighs 2,020 pounds net, volume 55 cu ft, 1.37 ship tons.