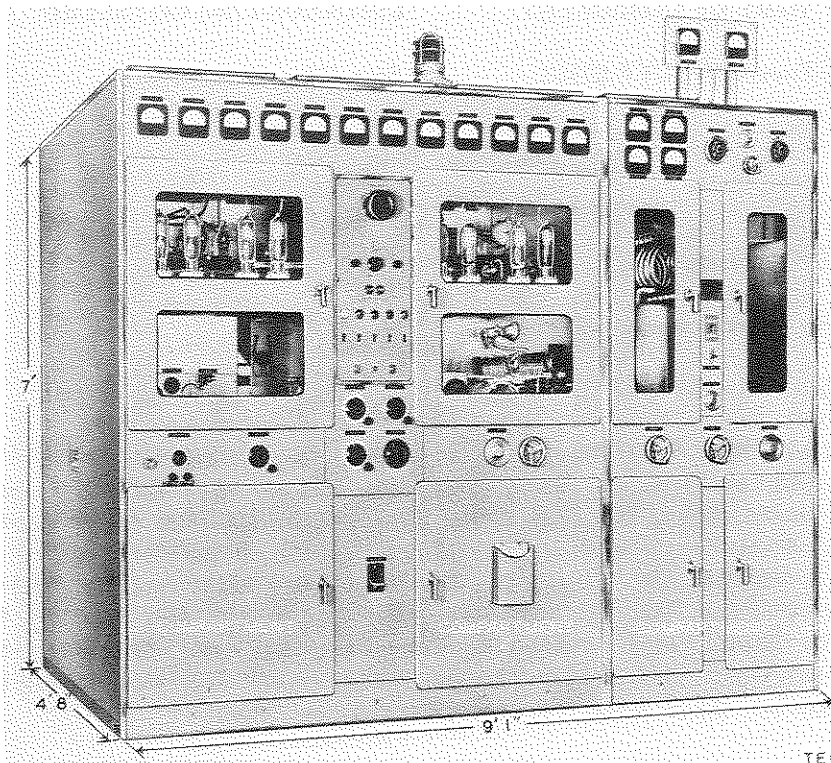


STATUS: Substitute Standard
 CLASSIFICATION OF EQUIPMENT: Unclassified
 USING SERVICE: Navy
 DATE OF THIS SHEET: 9 May 52

AN/FRT-TYPE

SERVICE TYPE NUMBER: TEB
 RADIO TRANSMITTING EQUIPMENT



Radio Transmitting Equipment TEB is used for general purpose, high-power, h-f, radiotelegraph, or frequency-shift operation in shore-to-ship, and point-to-point communication. Vacuum-tube keying speeds up to 400 wpm are possible, and provision is made for the connection of an external frequency shift keyer.

Six preset crystal-controlled channels are available, and provision is made for connection of an external master oscillator.

An automatic control circuit will shut down the entire equipment, except blowers and oscillator oven, if the transmitter is not keyed for a predetermined period (adjustable from two to 30 minutes).

This equipment is designed to work into a balanced two-wire transmission line of 550 to 650 ohm impedance and zero reactance.

AN/FRT-TYPE		INSTRUCTION LITERATURE: NavShips 900,352(A)
TEB		CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO TRANSMITTING EQUIPMENT		USING SERVICE : Navy
		DATE OF THIS SHEET : 9 May 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter CYV-52353	84 x 109 x 56	9,000

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore stations.

INSTALLATION: Ground, fixed.

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, -12, -28, -32; AN/GRC-3, -4, -9, -13, -26; AN/GRR-2, -3, -5; AN/MRC-2, -6, -16, -22; AN/PRC-7, -8, -19, -20; AN/SRR-3, -8, -12, -13; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-1, -5, -8, -13, -16, -20; AN/VRQ-1; BC-312, -342, -348, -779, -794, -1004; MBS; 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, -293, -294, -298, -399, -499, -506, -508, -509, -510, -528, -536, -543, -585, -593, -694, -704; TBO; TBX; TCH; TCO; TCS; AR-88 (RCA); Collins 18S-4 (AF Model); Collins 75A-2; Hammarlund SP-600-JX; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 4 - 21.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, frequency shift (when external keyer is used).

POWER OUTPUT: 15 kw.

POWER REQUIREMENTS: 35 kw, 230 v, 60 cyc, 3 phase, ac.

PHYSICAL CHARACTERISTICS

Radio Transmitting Equipment TEB measures 84 x 109 x 56 inches, net weight 11,302 pounds, volume 510 cu ft. Packed for domestic shipment: total weight 15,563 pounds, total volume 833 cu ft. Shipped in 20 packages.