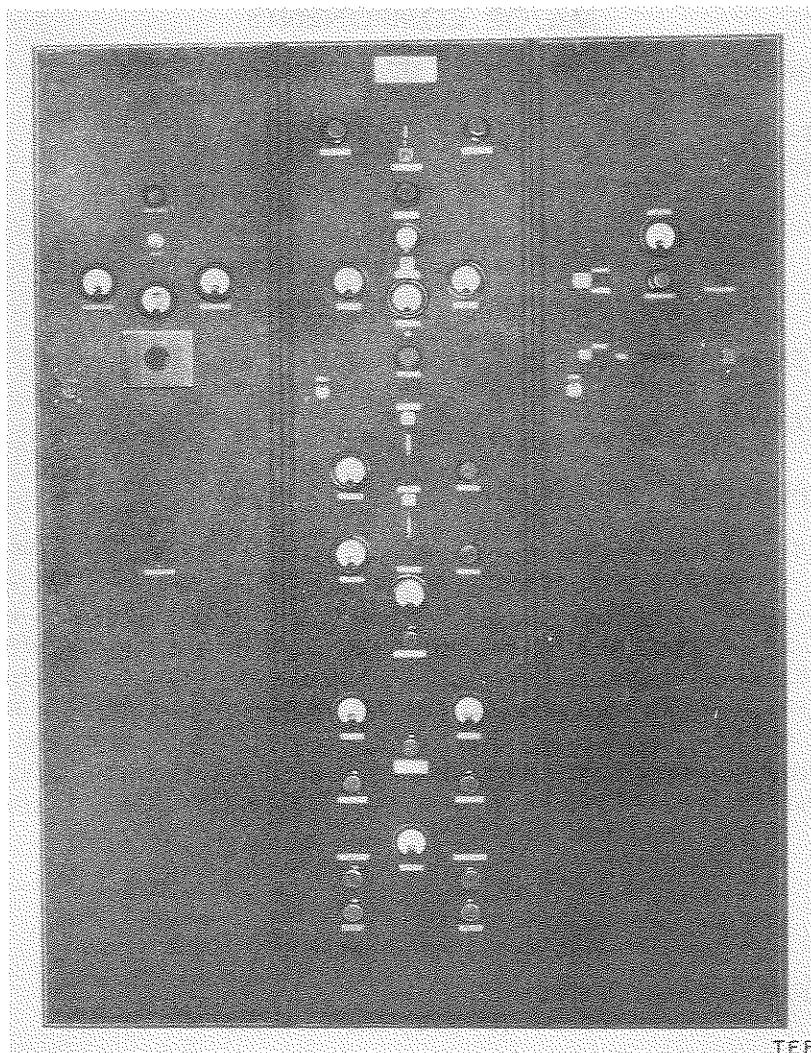


STATUS: Substitute Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Navy
DATE OF THIS SHEET: 9 May 52

AN/FRT-TYPE

SERVICE TYPE NUMBER: TEF
RADIO TRANSMITTING EQUIPMENT



TEF

Radio Transmitting Equipment TEF is a medium-power, h-f, short wave, long distance, multichannel, radiotelephone equipment for use in transoceanic communication. It provides two telephone channels in a twin-channel single-sideband system, and (alternatively) one conventional double-sideband channel. The change from single to double sideband, or selection of six preset crystal-controlled frequencies, may be made at the equipment, or from a remote control panel.

This transmitter is used with a balanced open wire line of 400-800 ohms, or a balanced concentric line of 200 ohms.

It has a monitor circuit which is used to measure the degree of distortion at the output.

AN/FRT-TYPE		INSTRUCTION LITERATURE: NavShips 95356
TEF :SERVICE TYPE NUMBER		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 Western Electric Co D-156000	89 x 60-3/4 x 27	2,400

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore stations.

INSTALLATION: Ground, fixed.

APPROXIMATE RANGE (IN MILES): Transoceanic.

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: 4.5- 22.9.
(4 - 20 by modification).

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice, mcw, cw.

POWER OUTPUT: 500 w.

POWER REQUIREMENTS: 5kw, 220-235 v, 50/60 cyc, 3 phase, ac.

PHYSICAL CHARACTERISTICS

Radio Transmitting Equipment TEF measures 89 x 60-3/4 x 27 inches, net weight 2,400 pounds.