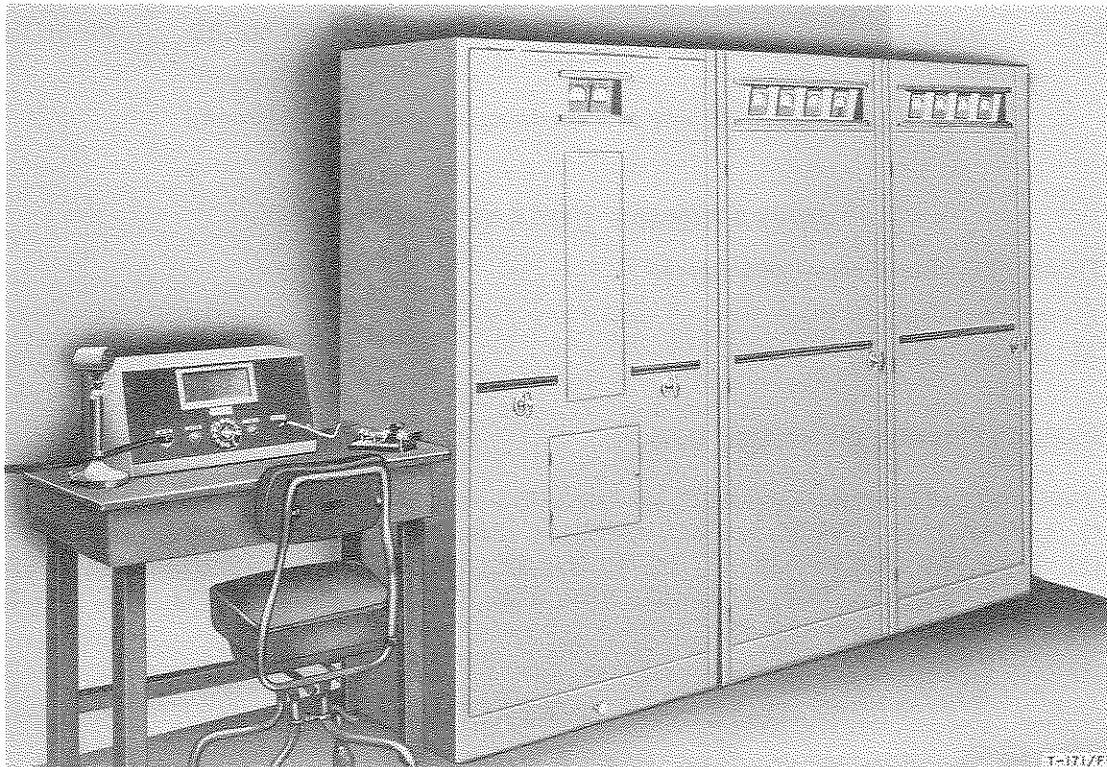


STATUS: Standard CLASSIFICATION OF EQUIPMENT: Unclassified USING SERVICE: Army DATE OF THIS SHEET: 2 Jan 52	AN/FRT-TYPE	
	AN/COMP TYPE NUMBER:	T-171/FR
		RADIO TRANSMITTER



Radio Transmitter T-171/FR is an l-f, high-power, long-range, a-m (voice and cw) radio transmitting equipment which is used for handling large traffic loads in fixed station application or can be used for homing.

This equipment consists essentially of a large floor type unit transmitter which is used in association with control and power components to form a complete radio transmitting station.

It may be operated from a distant point by means of remote control equipment and has provision for automatic keying.

T-171/FR provides voice and cw; T-171A/FR provides cw, remote keying, and voice; T-171B/FR provides frequency-shift keying and voice.

Power is derived from special power rectifier and supply units.

AN/FRT-TYPE		INSTRUCTION LITERATURE: TM 11-802
T-171/FR	:AN/COMP TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO TRANSMITTER		USING SERVICE: Army
		DATE OF THIS SHEET: 2 Jan 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
-------	-------------------	---------------------------	--------------

(Equipment consists only of a single major operating component.)

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Fixed plant installation.

INSTALLATION: Ground.

APPROXIMATE RANGE (IN MILES): Long.

CAN COMMUNICATE WITH: AN/ARC-5, -8; AN/GRR-3; AN/MRC-20; AN/SRC-3; AN/SRR-3, -11, -12; AN/TRQ-1; AN/URR-25; AN/VRC-4; BC-314, -344, -348, -453, -779; MBS; R-62/PR, -96/SR, -129/U, -203/SR, -206/PR, -210/U, -211/U, -212/SR, -213/SR, -215/SR, -247/URR, -388/URR; RAK; RAL; RAS; RBA; RBB; RBH; RBL; RBM; RCH; RDF; SCR-177, -614, -794; ARC Type 12; Fisher TS 253; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.125-0.525.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, voice.

POWER OUTPUT: T-171/FR and T-171A/FR: 2,000 w.
T-171B/FR: 2,400 w.

POWER REQUIREMENTS: 1.0 amp at 4,000 v.
0.125 amp at 2,000 v.
0.1 amp at 500 v.
0.05 amp at 500 v.
1.0 amp at 12 v.

PHYSICAL CHARACTERISTICS

Radio Transmitter T-171/FR measures 72 x 24-3/4 x 36-1/2 inches, net weight 705 to 720 pounds, volume 37.9 cu ft, 0.95 ship ton. Packed for domestic or export shipment: total weight 1,342 pounds, total volume 152.6 cu ft, 4 ship tons. Shipped in 9 packages.