

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

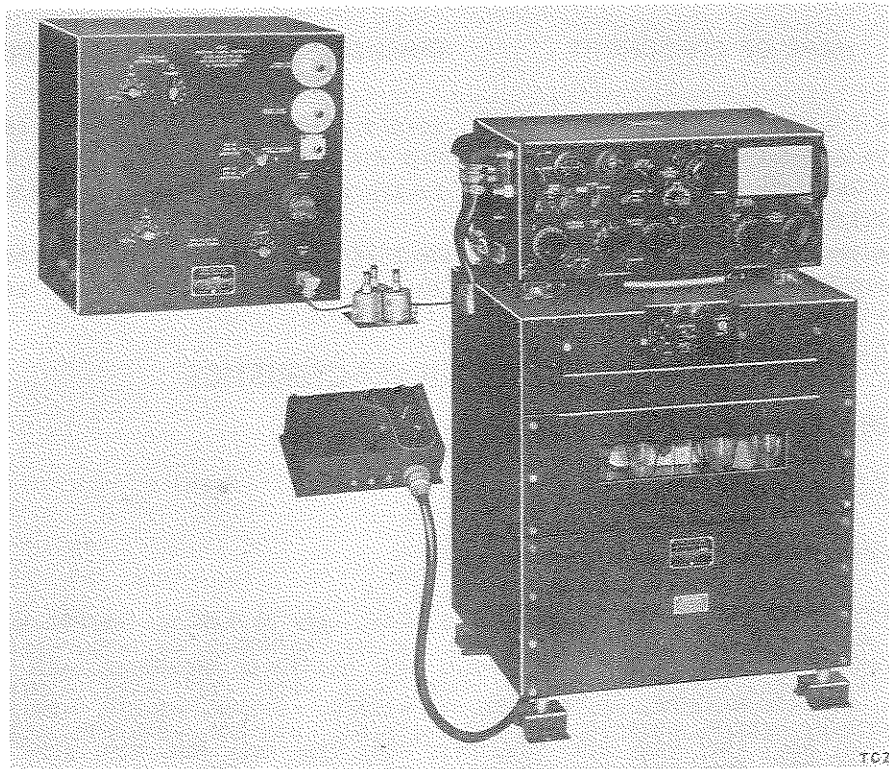
DATE OF THIS SHEET: 9 May 52

AN/URT-TYPE

SERVICE TYPE NUMBER:

TCZ

RADIO TRANSMITTING EQUIPMENT



Radio Transmitting Equipment TCZ is a medium-power, general purpose, h-f equipment for ship or shore use. An autotune system allows rapid automatic selection of eleven preset frequencies; manual tuning throughout the frequency range is possible. A master oscillator is used for frequency control.

A frequency-limiting circuit, consisting of a combined tuning and load coil, is used to tune the transmitter power-amplifier over the 0.3 to 0.6 mc range. The loading coil must be manually tuned for each change of frequency.

Provision is made for break-in operation so that an associate receiver may be used with the transmitter.

Remote control, by means of one or more remote selector units, or 4- or 6-wire radiophone units, is possible.

This is a shipboard adaptation of the ATC Aircraft Radio Transmitting Equipment.

AN/URT-TYPE		INSTRUCTION LITERATURE: Not Available
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter COL-52286	10-3/4 x 23-9/16 x 13-1/4	66.0
1	Remote Control Unit COL-23410	4-3/4 x 9-31/32 x 6-9/16	8.0
1	Motor Generator-Rectifier COL-211101 or	29-1/8 x 23-1/8 x 20-1/8	320.0
	Dynamotor Assembly COL-211102	29-7/16 x 23-7/16 x 20-1/8	210.0
1	Antenna Load Coil COL-47370	10-7/32 x 18-5/8 x 12-27/32	14.5

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard or shore stations.

INSTALLATION: Shipborne, ground.

APPROXIMATE RANGE (IN MILES): Medium.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25; AN/ARR-15; AN/FRC-10; AN/FRR-3, -4, -12, -28; AN/GRC-9, -13, -26; AN/GRR-2, -3, -5; AN/HRC-2, -6, -20, -22; AN/PRC-7, -19, -20; AN/SRC-9; AN/SRR-3, -8, -11, -12, -13; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-1, -4; BC-312, -314, -342, -344, -348, -453, -779, -787, -794, -1004; HBS; HQ; 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, -212/SR, -213/SR, -215/SR, -247/URR, -274/FRR, -320/FRC, -388/URR; RAK; RAL; RAO; RAS; RBA; RBB; RBC; RBG; RBH; RBL; RBM; RBO; RBP; RBS; RCF; RCG; RCH; RDE; RDF; RDM; REA; SCR-177, -188, -193, -244, -274, -281, -399, -499, -506, -536, -543, -585, -593, -694, -704; T80; TBX; TCH; TCP; TCS; AR-88 (RCA); ARC Type 12; Collins 183-4 (AF Model); Collins 75A-2; Fisher TS 25-3; Hammarlund SP-600-JX; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.3 - 0.6 and 2 - 18.1.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice, cw, mcw.

POWER OUTPUT: 100 w.

POWER REQUIREMENTS: 650 w, 115 v, 60 cyc, 1 phase, ac; or 1,150 w, 115 v, dc.

PHYSICAL CHARACTERISTICS

Radio Transmitting Equipment TCZ measures 40-3/16 x 23-9/16 x 20-1/8 inches.