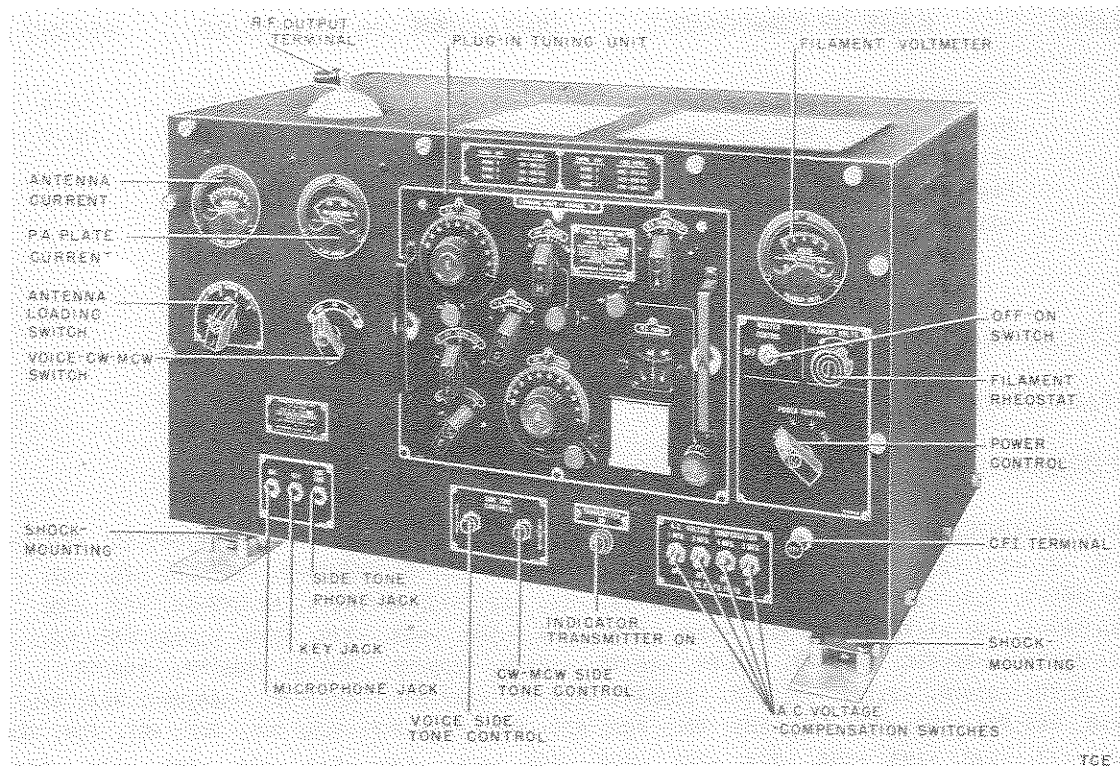


STATUS: Limited Standard
 CLASSIFICATION OF EQUIPMENT: Unclassified
 USING SERVICE: Navy
 DATE OF THIS SHEET: 9 May 52

AN/SRT-TYPE

SERVICE TYPE NUMBER: TCE
 RADIO TRANSMITTING EQUIPMENT



Radio Transmitting Equipment TCE is a compact, general purpose, low-power transmitter for small surface craft. When used in conjunction with a suitable receiver, it provides radiotelegraph, or radiotelephone, communication over the m-f/h-f ranges. Six plug-in-type tuning units cover the frequency range.

Different motor generator units, and magnetic controllers are supplied, dependent upon power sources available.

A single wire antenna can be used for transmission and reception (when the associated receiver is connected to the antenna transfer terminal of TCE).

This equipment can be operated from a remote location by means of a remote control unit, such as Navy Type CAY-23305.

AN/SRT-TYPE		INSTRUCTION LITERATURE: Not Available
TCE :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	Transmitter-Rectifier Unit CAY-52129	14-15/16 x 24-1/8 x 17-3/32	58.0
1	Motor Generator Unit CC-21413 through -21416	26-1/2 x 12-1/2 x 10-1/2	157.0
1	Magnetic Controller CAY-21417 through -21420	20-1/2 x 13-1/2 x 12-1/4	60.0

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard.

INSTALLATION: Shipborne.

APPROXIMATE RANGE (IN MILES): Medium.

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/HRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRC-3; AN/SRR-3, -8, -11, -12, -13; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-1, -4; AN/VRR-2; BC-312, -314, -342, -344, -348, -453, -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, -212/SR, -213/SR, -215/SR, -247/URR, -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; TBO; TBX; TCH; TCO; TCP; TCS; 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: 0.35 - 9.05 in 6 bands.

Band A: 0.35 - 0.8

Band C: 1.5 - 3.0

Band E: 4.525 - 6.5

Band B: 0.8 - 1.5

Band D: 3.0 - 4.525

Band F: 6.5 - 9.05.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, mcw, voice.

POWER OUTPUT: Cw or mcw: 125 w.
Voice: 40 w.

POWER REQUIREMENTS: 1,200 w, 115 v, 60 cyc, 1 phase, ac; or 24/32/120 v, dc.

PHYSICAL CHARACTERISTICS

Transmitting Equipment TCE measures 14-15/16 x 24-1/8 x 17-3/32 inches.