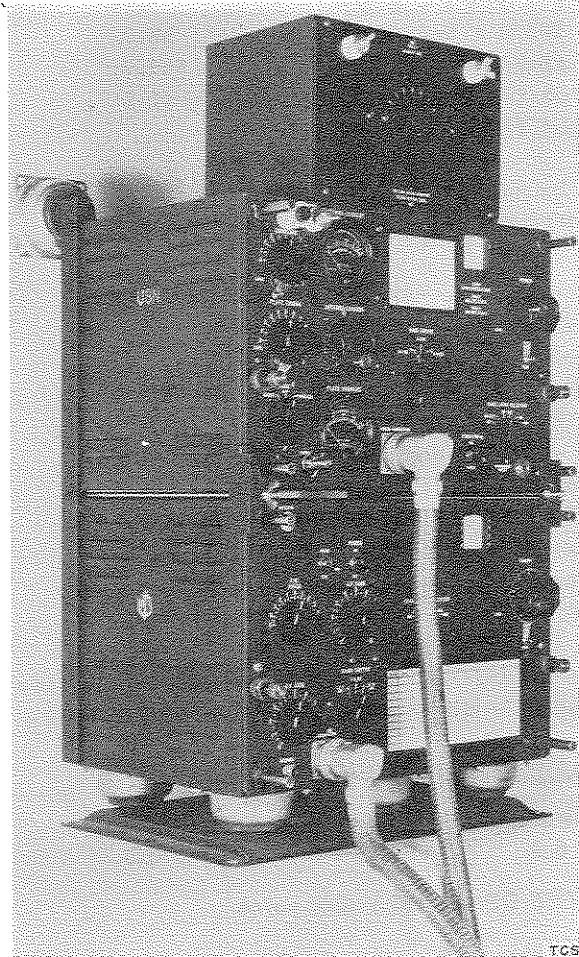


STATUS: Standard  
 CLASSIFICATION OF EQUIPMENT: Unclassified  
 USING SERVICE: Navy  
 DATE OF THIS SHEET: 9 May 52

**AN/URC-TYPE**

SERVICE TYPE NUMBER: TCS, TCS-1 through -16  
 RADIO TRANS & REC EQUIP



**Radio Transmitting and Receiving Equipments**  
 TCS, TCS-1 through -16 are general service, semi-portable, m-f, and h-f telegraph and telephone communication sets, for patrol and landing craft, reconnaissance vehicles, and similar application.

Transmitter frequency control is by means of a continuously variable oscillator or four crystal-controlled channels. The crystals may be operated either on their fundamental, or harmonic frequencies, or both.

The receiver is continuously variable over the operating frequency range.

A remote control unit is supplied to provide loud speaker operation and remote control at distances up to 20 feet from the power supply.

Power supplies are available for operation from the following power sources: 12, 24, 32, 115, and 230-v dc; 115 and 230-v ac.

<b>AN/URC-TYPE</b>		INSTRUCTION LITERATURE: See note below*
TCS, TCS-1 through -16	:SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO TRANS & REC EQUIP		USING SERVICE: Navy
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**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter NT-52245, -52245-A	11 x 13-3/4 x 11-13/16	48.0
1	Radio Receiver NT-46159, -46159-A	11-1/16 x 13-13/16 x 11-7/8	38.0
1	Remote Control Unit NT-23270, -23270-A	4-3/8 x 7-3/8 x 5-3/4	6.0
1	Antenna Loading Coil NT-47205	6 x 8-1/2 x 6-3/4	3.75
1	Dynamotor Assembly, or Motor Generator Assembly, or Rectifier Power Unit	9-5/8 x 9-25/32 x 12-15/16 12-1/8 x 16 x 22-1/2 10-1/8 x 17-1/4 x 16-1/4	35.0 115.0 93.0

**OPERATIONAL CHARACTERISTICS**

TACTICAL USE: Shipboard or shore stations.

INSTALLATION: Shipborne, ground, vehicular. APPROXIMATE RANGE (IN MILES): Short.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ARR-15; AN/ART-13;  
AN/CRT-3; AN/FRC-10; AN/FRR-3, -4, -7, -12, -28, -32; AN/FRT-5, -6, -15, -17, -18;  
AN/GRC-9, -13, -26; AN/GRR-2, -3, -5; AN/HRC-2, -6, -16, -20, -22; AN/PRC-7, -19,  
-20; AN/SRR-3, -8, -12, -13; AN/SRT-4; AN/TRQ-1; AN/URR-10, -22, -23; AN/URT-2, -3,  
-4; AN/VRC-1, -4; AN/VRR-2; BC-191, -312, -314, -339, -342, -344, -348, -401, -447,  
-610, -779, -794, -1004; MBS; MQ; OA-58/FRC, -59/FRC, -60A/FRT, -60B/FRT; 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, -398/URR; RAL; RAO; RAS; RBB; RBC; RBG; RBH; RBM; RBO;  
RBP; RBS; RC-52; RCF; RCG; RCH; RDE; RDM; REA; SCR-177, -198, -193, -244, -274,  
-281, -399, -499, -506, -536, -543, -585, -593, -607, -694, -704; T-4/FRC, -83/SR,  
-158/FRT, -159/FRT, -172/FR, -173/FR, -174/FR, -175/FR, -177/FR, -180/FR; TBA; TBC;  
TBK; TBL; TBM; TBN; TBO; TBU; TBW; TBX; TCB; TCC; TCE; TCH; TCK; TCO; TCP; TCS; TCZ;  
TDE; TDF; TDH; TDN; TDO; TEB; TEC; TEF; AR-88 (RCA); Collins 18S-4 (AF Model); Collins  
32V-2, 75A-2; Fisher TS 25-3; Hammarlund SP-600-JX; Marconi TH-41-B; National HRO-50;  
Westinghouse Type MW; Wilcox 96D, 99A.

**TECHNICAL CHARACTERISTICS**

FREQUENCY RANGE IN MEGACYCLES: 1.5-12.0 in three bands.

Band 1: 1.5-3.0.

Band 2: 3.0-6.0.

Band 3: 6.0-12.0.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, voice.

POWER OUTPUT: Transmitter: 10 w on voice, 25 w on cw.

Receiver: 1.4 w, into 500 ohm load.

POWER REQUIREMENTS: Rectifier power units: 243 w, 115/230 v, 60 cyc, 1 phase, ac.

Dynamotor assemblies: 205 w, 12-24 v, dc. Motor generator assemblies: 445 w, 24 v, dc; 474 w,  
32 v, dc; 397 w, 115 v, dc; 385 w, 230 v, dc; 390 w, 115 v, 60 cyc, 1 phase, ac.**PHYSICAL CHARACTERISTICS**

Radio Transmitting and Receiving Equipments TCS, TCS-1 through -16 measure 28 x 13-3/4 x 11-7/8 inches.

\* Instruction Literature: NavShips 900,291; 900,269; 900,575; 900,612; 900,705; 95319; 95320;  
95321; 95322; 95601.