

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

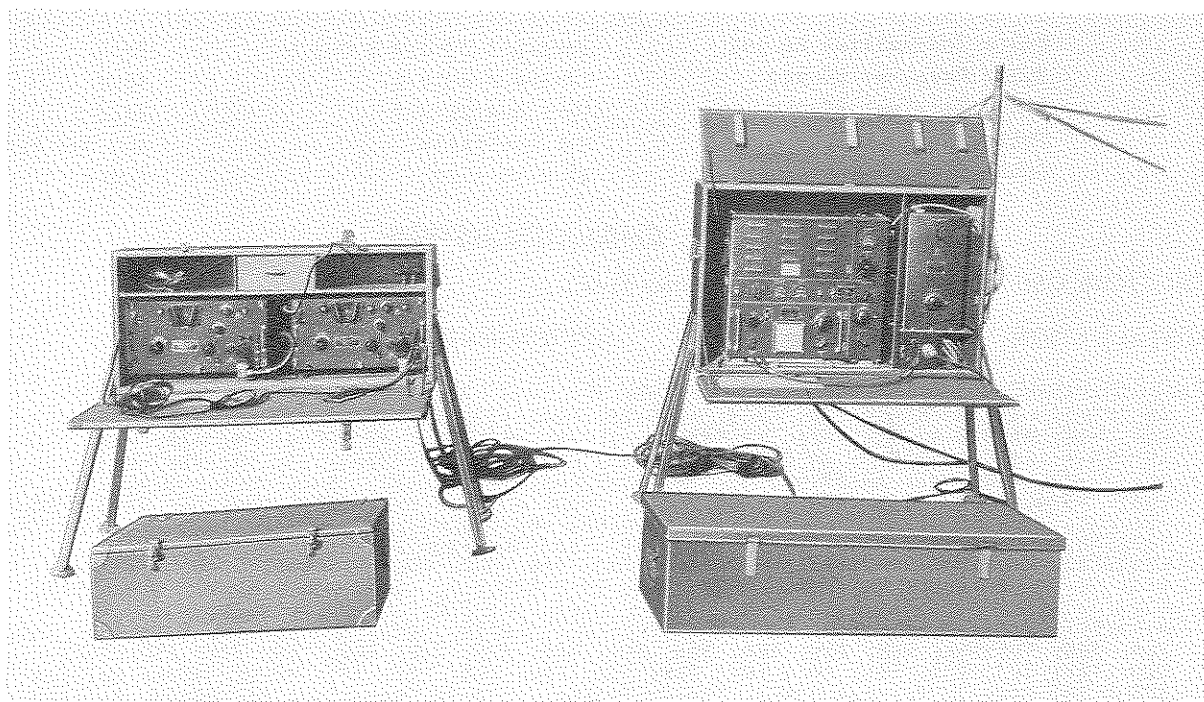
DATE OF THIS SHEET: 30 Jan 52

**AN/TRC-TYPE**

SERVICE TYPE NUMBER:

SCR-177

RADIO SET



SCR-177

Radio Set SCR-177 is a transportable, a-m (voice and cw) radio station providing communication in the low- and medium-frequency ranges for ground-to-air, point-to-point, and similar applications at division and higher headquarters, and at air fields.

This equipment consists of general-purpose Radio Transmitter BC-191, related transmitter-tuning units, two radio receivers, and associated components. It is packed in carrying cases and can be installed under shelter or in the open, and has been operated in aircraft.

This set uses appropriate types of antenna systems and has provision for automatic antenna change-over in the transmitter.

It is powered by its gasoline-engine-driven field power unit component plus a 6-v storage battery.

<b>AN/TRC-TYPE</b>		INSTRUCTION LITERATURE: TM 11-232
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**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter BC-191	21-3/4 x 23-1/8 x 9-3/8	55.0
1	Radio Receiver BC-312	10-3/4 x 18 x 9	49.5
1	Radio Receiver BC-314	10-3/4 x 18 x 9	47.5
1	Tuning Unit	Not Available	Not Available
1	Power Unit PE-49	22 x 35 x 22	260.0

**OPERATIONAL CHARACTERISTICS**

TACTICAL USE: Signal company, battery, army level.

INSTALLATION: Ground, transportable. APPROXIMATE RANGE (IN MILES): 100.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ARR-15; AN/ART-13; AN/CRT-3, -5; AN/FRC-10; AN/FRR-3, -4, -12, -28, -32; AN/FRT-4, -5, -6, -10, -15, -17, -19, -19; AN/GRC-9, -13, -26; AN/GRR-2, -3, -5; AN/GRT-2; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -20; AN/SRC-3; AN/SRR-3, -8, -11, -12, -13; AN/SRT-1, -3, -4; AN/TRQ-1; AN/URR-10, -22, -23; AN/URT-2, -3, -4; AN/VRC-1, -4; BC-191, -312, -314, -329, -339, -342, -344, -348, -365, -401, -447, -453, -610, -779, -794, -1004; MBS; MQ; OA-55/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, -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; RC-52; RCF; RCG; RCH; RDE; RDF; RDM; REA; SCR-177, -188, -193, -244, -274, -399, -499, -506, -526, -543, -585, -593, -694, -704; T-4/FRC, -5/FRC, -83/SR, -158/FRT, -159/FRT, -171/FR, -172/FR, -173/FR, -174/FR, -175/FR, -177/FR, -180/FR; TAB; TAJ; TAQ; TBA; TBC; TBK; TBL; TBM; TBN; TBO; TBU; TBX; TCB; TCC; TCE; TCG; TCH; TCK; TCO; TCP; TCS; TCY; TCZ; TDD; TDE; TDF; TDH; TDK; 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: Transmitting: 0.4 - 0.8 and 1.5 - 4.5.  
Receiving : 0.15 - 1.5 and 1.5 - 18.0.

TYPE MODULATION: AM.

TYPE OF SIGNAL: Voice, and cw.

POWER OUTPUT: 75 w - cw.  
25 w - voice.

POWER REQUIREMENTS: From 12-v battery and PE-49 (1,000-v at 350 ma and 14.6-v at 25).

**PHYSICAL CHARACTERISTICS**

Radio Set SCR-177 weighs 1,000 pounds net. Packed for export shipment: total weight 1,265 pounds, total volume 40 cu ft, 1 ship ton. Shipped in 5 packages.