

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

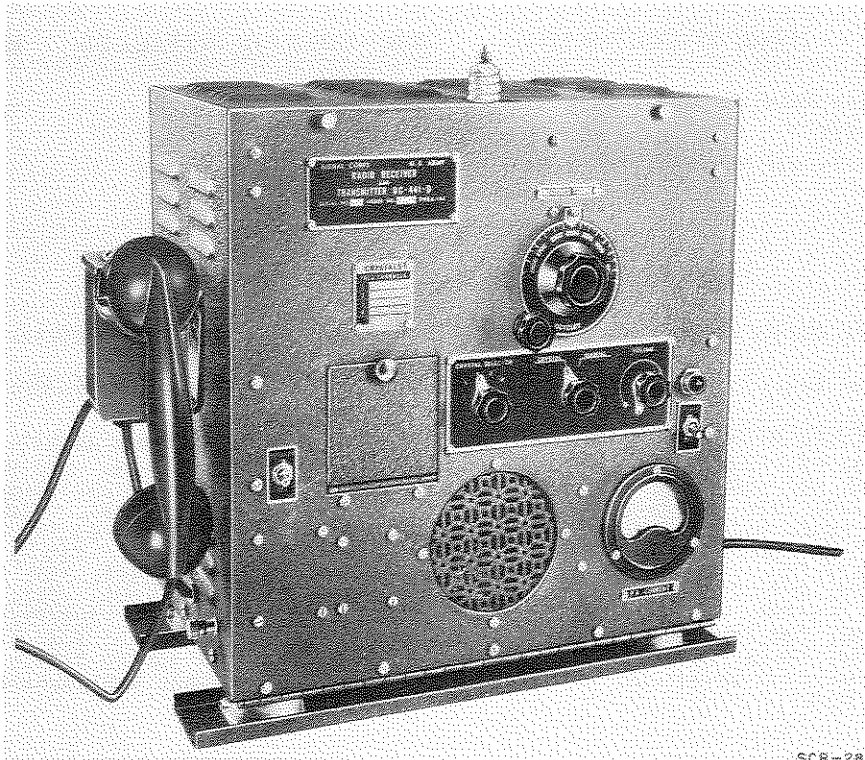
DATE OF THIS SHEET: 30 Jan 52

AN/SRC-TYPE

SERVICE TYPE NUMBER:

SCR-281

RADIO SET



SCR-281

Radio Set SCR-281 is a medium-power, crystal-controlled a-m (voice) transmitting and receiving equipment used for ship-to-ship, ship-to-shore, and shore station communication in coastwise and harbor-control applications.

This equipment consists of a radio transmitter and a radio receiver assembled within a single metal cabinet which may be installed on the floor or deck, or on a shelf of platform. It has a shock mounting and a handset, and the receiver section includes an integral loudspeaker.

It can be operated in four-channel preselected by means of appropriate plug-in crystals and includes provision for control of transmitter-receiver change-over by means of the press-to-talk switch of the handset.

It can use a conventional long-wire antenna or equivalent system but can be operated by means of a whip-type array 35 feet in length.

Operates from 115-v ac.

AN/SRC-TYPE		INSTRUCTION LITERATURE: TM 11-244
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver and Transmitter BC-441	16 x 10 x 16	102
2	Shockproof Mounting Brackets	1-1/2 x 2-1/2 x 17-7/8	4

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Harbor control, shore-to-ship, ship-to-shore, and similar applications.

INSTALLATION: Ground or shipboard, fixed. **APPROXIMATE RANGE (IN MILES):** 10 - 25.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -21, -25, -26; AN/ARR-15; AN/ART-13; AN/CRT-3; AN/FRR-3, -4, -7, -12, -28, -32; AN/FRT-15, -17, -18; AN/GRC-9, -13, -26; AN/GRR-2, -3, -5; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7; 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, -342, -348, -401, -447, -610, -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, -213/SR, -274/FRR, -320/FRC, -388/URR; RAL; RAO; RAS; RBB; RBG; RBH; RBM; RBP; RBS; RC-52; RCF; RCG; RCH; RDE; RDM; SCR-177, -188, -193, -244, -281, -399, -499, -506, -543, -593, -607, -704; T-4/FRC, -93/SR, -158/FRT, -159/FRT, -173/FR, -177/FR, -190/FR; TBK; TBL; TBM; TBN; TBO; TBU; TBW; TBX; TCB; TCC; TCE; TCH; TCK; TCO; TCP; TCS; TCZ; TDE; TDF; TDH; TDN; TDO; 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: 1.7 - 2.75.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice only.

POWER OUTPUT: 25 w.

POWER REQUIREMENTS: Transmitter: 230 w)
Receiver : 107 w) of 115 v, 60 cyc, 1 phase, ac.

PHYSICAL CHARACTERISTICS

Radio Set SCR-281 weighs 102 pounds net, volume 1.5 cu ft. Packed for export shipment: total weight 143 pounds, total volume 6 cu ft.