

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

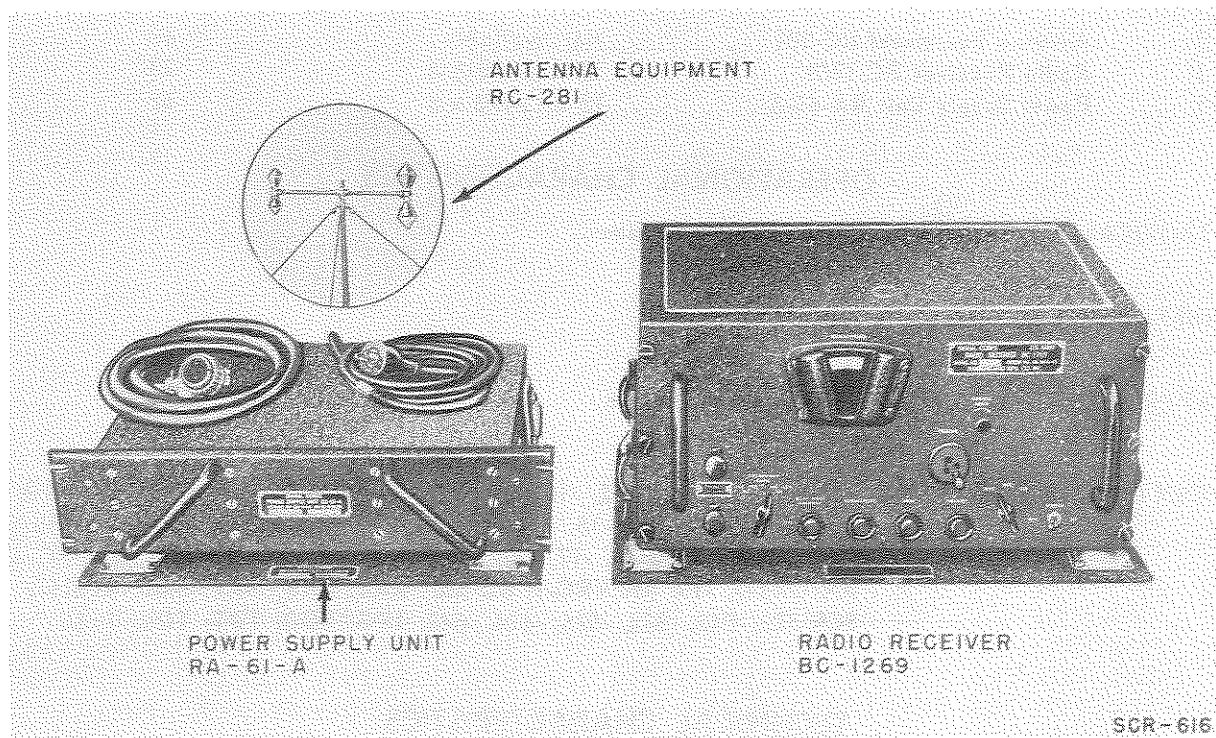
DATE OF THIS SHEET: 20 Dec 51

AN/TRR-TYPE

SERVICE TYPE NUMBER:

SCR-616

RADIO SET



Radio Set SCR-616 is a compact, transportable, a-m and f-m (voice, tone, and cw) radio receiving equipment for intercept, monitoring, or communication applications in the v-h-f and u-h-f ranges.

This equipment consists of a shock-mounted radio receiver and associated power supply unit and includes a rotatable antenna array consisting of two center-fed biconical elements and accessories.

Can be operated from 110-v or 230-v a-c power or, by substituting Power Supply Unit PE-223 for the Power Supply Unit RA-61-A component, from a 12-v storage battery.

AN/TRR-TYPE		INSTRUCTION LITERATURE: TM 11-260
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Antenna Equipment RC-281	Not Available	60
1	Radio Receiver BC-1269	19 x 16 x 8-3/4	73
1	Power Supply Unit RA-61-A	19 x 13-7/8 x 4	67

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Issued to signal service battalions.

INSTALLATION: Ground, transportable.

APPROXIMATE RANGE (IN MILES): Line of sight.

CAN COMMUNICATE WITH: AN/ARC-1, -3, -5, -12, -18, -19, -27, -28, -30, -33, -34, -36; AN/CRC-2; AN/FRC-7; AN/GRC-16, -27, -29, -30, -32; AN/GRT-3; AN/MRC-12, 16, -20, -22; AN/PRC-14, -17, -20; AN/TRC-7, -8, -11, -12, -32; AN/URC-4; AN/URT-7, -10; AN/VRC-1; BC-640; MAR; MAW; MAY; MBS; RC-257; SCR-522, -542, -573, -575, -624, -643; TDG; TDQ; TDT; TDZ; TED.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 145 - 600, in 2 bands.
 Band 1: 145 — 300.
 Band 2: 300 — 600.

TYPE MODULATION: Am, fm.

TYPE OF SIGNAL: Voice, tone, cw.

POWER OUTPUT: 2.0 w high; 0.2 w low.

POWER REQUIREMENTS: 0.85 amp at 115 v (0.45 amp at 230 v), 50/60 cyc ac or 12 v dc (storage battery).

PHYSICAL CHARACTERISTICS

Radio Set SCR-616 weighs 197 pounds net, volume 3.96 cu ft. Packed for domestic or export shipment: total weight 250 pounds, total volume 16.05 cu ft. Shipped in 3 packages.