

STATUS: Standard

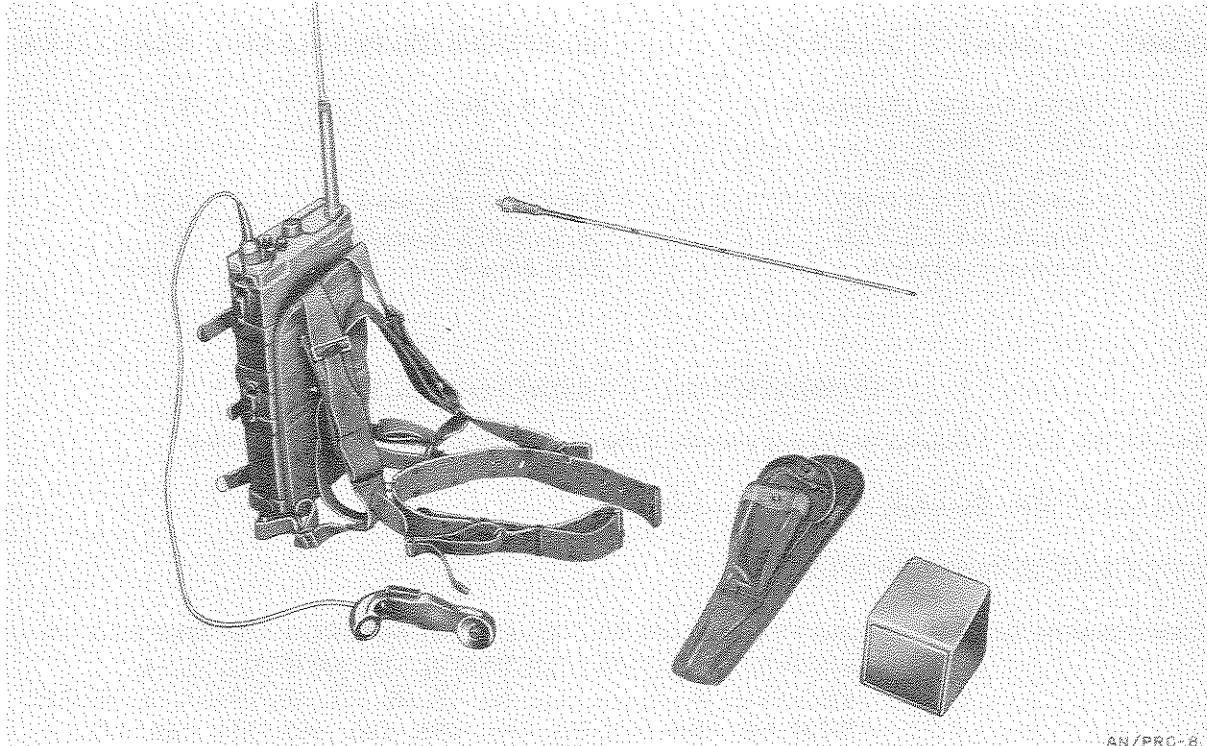
CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army, Navy

DATE OF THIS SHEET: 9 Jan 52

**AN/PRC-8**

RADIO SET



Radio Set AN/PRC-8 is a portable (man-carried), low-power, f-m (voice), radio transmitting and receiving equipment used for v-h-f, short-range, point-to-point, or radio relay communication by company and battery level units operating in the frequency range assigned to armored divisions. It can also be installed in aircraft.

This equipment consists essentially of a radio transmitter-receiver equipped with a carrying harness, antenna components and related accessories.

It can be operated by remote control and adapted for homing use by the addition of appropriate auxiliary components. The set can also be operated in a vehicle.

Two of these sets can be operated back-to-back as an unattended radio relay station.

Power is supplied by one Battery BA-279/U, which is not supplied with the set.

**AN/PRC-8**

INSTRUCTION LITERATURE: TM 11-612

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RADIO SET

**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver-Transmitter RT-174/PRC-8	9.5 x 3 x 10.5	9
1	Case CY-744/PRC	9.5 x 3 x 9.5	1.5
1	Antenna AT-271/PRC	113 x 0.75 (diameter)	0.33
1	Antenna AT-272/PRC	36.5 x 0.875 (diameter)	0.5
1	Handset H-33B/PT	3.5 x 3.5 x 8	0.875

**OPERATIONAL CHARACTERISTICS**

**TACTICAL USE:** Company and battery level, airborne, infantry, and armored divisions.

**INSTALLATION:** Portable, vehicular, aircraft.

**APPROXIMATE RANGE (IN MILES):** 5.

**CAN COMMUNICATE WITH:** AN/FRT-5, -6; AN/GRC-3, -4, -5, -6; AN/MRC-3, -16; AN/PRC-8, -9; AN/SRR-13; AN/TRQ-1; AN/URR-10, -12; AN/URT-2, -3, -4; AN/VRC-5, -8, -9, -13, -14, -16, -17, -20, -21; AN/VRQ-1, -2; BC-787, R-137/GR; RBK; SCR-293, -294, -298, -508, -509, -510, -528, -607, -608, -609, -610, -619, -628, -678, -808, -828.

**TECHNICAL CHARACTERISTICS**

**FREQUENCY RANGE IN MEGACYCLES:** 20.0 - 27.9.

**TYPE MODULATION:** Fm.

**TYPE OF SIGNAL:** Voice.

**POWER OUTPUT:** Transmitter, 1.2 w.

**POWER REQUIREMENTS:** Battery BA-279/U (not supplied).

**PHYSICAL CHARACTERISTICS**

Radio Set AN/PRC-8 weighs 26 pounds net, volume 1.075 cu ft. Packed for domestic shipment: total weight 30 pounds, total volume 3.33 cu ft. Packed for export shipment: total weight 40 pounds, total volume 4.85 cu ft. Shipped in 1 package both domestic and export.