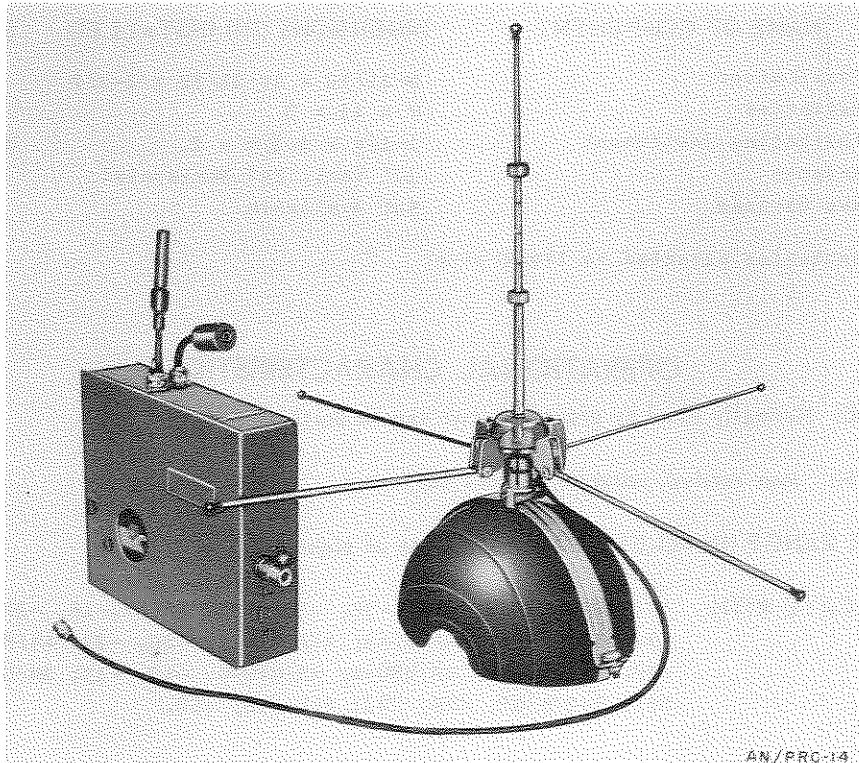


STATUS: Substitute Standard  
CLASSIFICATION OF EQUIPMENT: Restricted  
USING SERVICE: Air Force, Navy  
DATE OF THIS SHEET: 12 May 52

**AN/PRC-14**

RADIO SET



Radio Set AN/PRC-14 is a portable, a-m and c-w transceiver for point-to-point and ground-to-air communication in the u-h-f range 225 to 400 mc. This equipment is designed to be man-carried and can be operated, while in motion.

A specially designed helmet supports a ground plane antenna.

All batteries, cables and the transceiver are strapped to the operator in such a way as not to impede his normal movements.

Radio Set AN/PRC-14 uses crystal control for transmission on any four preset channels (of 1,751) spaced 100 kc apart.

Equipment has special provisions for push-to-talk operation over field wire, up to a distance of one mile.

<b>AN/PRC-14</b>	INSTRUCTION LITERATURE: Not Available
	CLASSIFICATION OF EQUIPMENT: Restricted
RADIO SET	USING SERVICE: Air Force, Navy
	DATE OF THIS SHEET: 12 May 52

### MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Transceiver	8-11/32 x 10-11/32 x 2-1/2	12.50
*	Batteries	9 x 11 x 3	15.00
	Indicating Instrument	1-1/4 x 1-1/4 x 2	125.00
	Antenna	12" Vert. 24" Horizontal	.37
	Web Harness	Not Available	.62

\* Batteries attached to transceiver

### OPERATIONAL CHARACTERISTICS

**TACTICAL USE:** Normally used by ground rescue search parties.

**INSTALLATION:** Man carried, antenna, helmet supported.

**APPROXIMATE RANGE (IN MILES):** (Nominal) Line of sight.

**CAN COMMUNICATE WITH:** AN/ARC-12, -19, -27, -30, -33, -34; AN/GRC-16, -27, -29, -30, -32; AN/GRR-7; AN/GRT-3; AN/MRC-12, -20, -22; AN/PRC-14, -17, -20; AN/TRC-32; AN/URC-4; AN/URR-9, -12, -13; AN/URT-10; MAR; MAY; R-278/GR; RDR; RDZ; SCR-616; TED.

### TECHNICAL CHARACTERISTICS

**FREQUENCY RANGE IN MEGACYCLES:** 225 - 400 mc, 1,751 channels, 4 preset crystal-controlled channels.

**TYPE MODULATION:** Am.

**TYPE OF SIGNAL:** Voice.

**POWER OUTPUT:** 1 w.

**POWER REQUIREMENTS:** 135 v, dc, 45 v, dc and 6.3 v, dc.  
Normally supplied from special battery pack.

### PHYSICAL CHARACTERISTICS

Radio Set AN/PRC-14 weighs 28.74 pounds net.