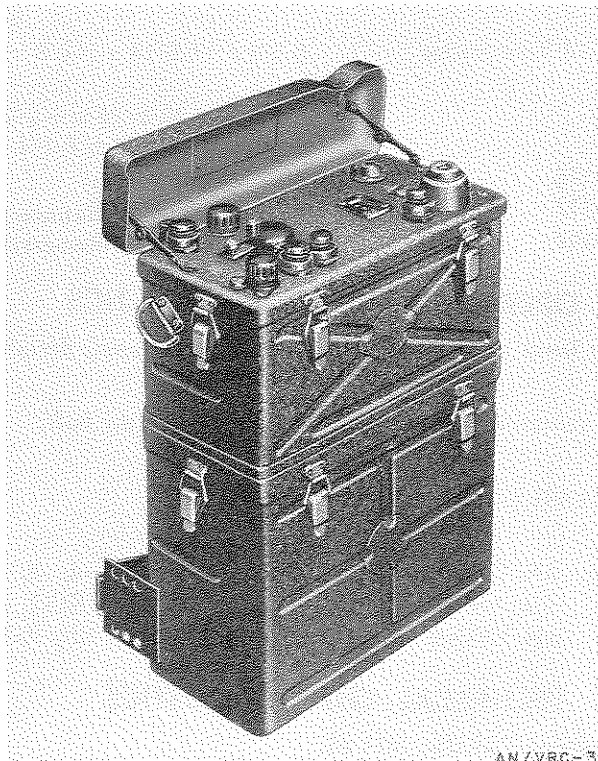


STATUS: Limited Standard  
CLASSIFICATION OF EQUIPMENT: Unclassified  
USING SERVICE: Army  
DATE OF THIS SHEET: 11 Jan 52

**AN/VRC-3**

RADIO SET



AN/VRC-3

Radio Set AN/VRC-3 is the vehicular version of Radio Set SCR-300. It is a crystal-controlled, short-range, f-m (voice) transmitting and receiving equipment used for communication in the v-h-f band. It is used between tanks and supporting infantry.

This equipment consists of a dry battery operated receiver-and-transmitter component (BC-1000). It uses a whip-type antenna and includes Battery BA-70 which can be replaced by Battery Case CS-139.

**AN/VRC-3**

INSTRUCTION LITERATURE: TM 11-637

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

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RADIO SET

**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver and Transmitter BC-1000	5-5/8 x 11-5/16 x 7-1/8	13
1	Battery BA-70	7-23/32 x 10-5/16 x 4-1/2	15
1	Case CS-128-A	9-3/8 x 10-15/16 x 7-1/4	3.66
2	Mast Section MS-116	38 x 3/8 (diameter)	Not Available
2	Mast Section MS-117	38 x 1/4 to 3/8 (diameter)	" "
2	Mast Section MS-118	38 x 1/8 to 1/4 (diameter)	" "

**OPERATIONAL CHARACTERISTICS**

TACTICAL USE: Company level units organic to armored and infantry divisions.

INSTALLATION: Ground, vehicular. Operates on the move or at the halt.

APPROXIMATE RANGE (IN MILES): 3.

CAN COMMUNICATE WITH: AN/CRC-3; AN/FRC-6, -9; AN/GRC-3, -4, -5, -6, -7, -8; AN/PRC-6, -7, -10; AN/TRQ-1; AN/URR-10, -12; AN/VRC-2, -3, -10, -15, -18, -22; AN/VRQ-3; AN/VRR-4; BC-787; MAN; MN; R-137/GR; RBK; SCR-607.

**TECHNICAL CHARACTERISTICS**

FREQUENCY RANGE IN MEGACYCLES: 40 - 48.

TYPE MODULATION: Fm.

TYPE OF SIGNAL: Voice.

POWER OUTPUT: Transmitter: 0.3 w (r-f).  
Receiver: 2 mw (r-f).

POWER REQUIREMENTS: Battery BA-70 (20/25 hr), Battery Case CS-139 (26 hr), or Vibrator  
Power Supply PP-114/VRC-3.

**PHYSICAL CHARACTERISTICS**

Radio Set AN/VRC-3 measures 17 x 11 x 7-1/4 inches, net weight 31.5 pounds, volume 0.8 cu ft.  
Packed for domestic shipment: total weight 35.5 pounds, total volume 1.9 cu ft. Packed for export  
shipment: total weight 215 (4 units), total volume 11.9 cu ft. Shipped in 1 package both domestic  
and export.