

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army, Navy

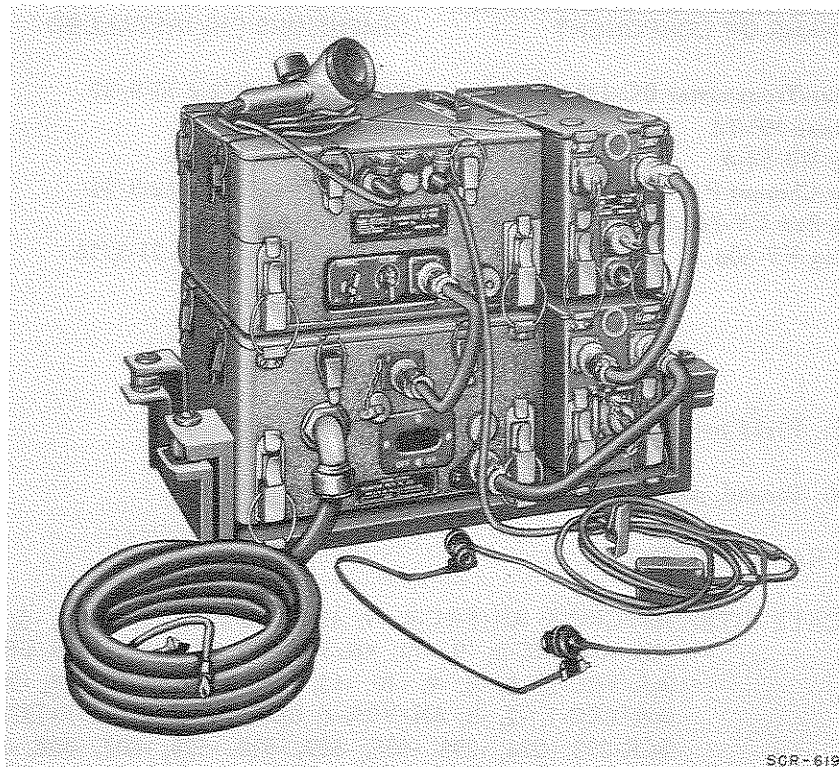
DATE OF THIS SHEET: 30 Jan 52

**AN/PRC-TYPE**

SERVICE TYPE NUMBER:

SCR-619

RADIO SET



SCR-619

Radio Set SCR-619 is a pack and vehicular, short-range, f-m (voice) radiotelephone equipment used for communication in the v-h-f band by field artillery units in battery fire control applications.

This equipment consists of a receiver-transmitter which is crystal-controlled and operates in 120 frequency channels spaced 100 kc apart, two of which are preset. A battery box, dynamotor, and charger are included.

This set uses a whip-type antenna and can be removed from the vehicle in which it is installed for operation from the ground.

It is powered by the vehicular storage battery or by dry batteries contained in the battery box.

<b>AN/PRC-TYPE</b>		INSTRUCTION LITERATURE: TM 11-619
SCR-619	SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO SET		USING SERVICE: Army, Navy
		DATE OF THIS SHEET: 30 Jan 52

**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Receiver-Transmitter BC-1335	6-21/32 x 12-1/2 x 13-9/32	22.75
1	Mast Base MP-74	Not Available	Not Available
9	Battery BB-54-A	5-7/16 x 3-31/32 x 3	4.3
1	Battery Charger PE-219	6-11/32 x 12-1/8 x 12-5/16	25.0
1	Battery Box CY-740/PRC	Not Available	Not Available
1	Mounting FT-506	10-3/16 x 4-11/16 x 21-3/16	12.25

**OPERATIONAL CHARACTERISTICS**

**TACTICAL USE:** Field artillery units and armored and infantry divisions.

**INSTALLATION:** Ground, portable or vehicular.

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

**CAN COMMUNICATE WITH:** AN/CRC-3; AN/FRC-6, -9; AN/GRC-3, -4, -5, -6, -7, -8; AN/MRC-5, -16; AN/PRC-8, -9, -10; AN/SRR-13; AN/TRQ-1; AN/URR-10, -12; AN/VRC-2, -5, -8, -9, -10, -13, -14, -15, -16, -17, -18, -20, -21, -22; AN/VRQ-1, -2, -3; AN/VRR-4; BC-787; MAN; MN; 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:** 27.0 - 38.9.

**TYPE MODULATION:** Fm.

**TYPE OF SIGNAL:** Voice.

**POWER OUTPUT:** 1.5 w.

**POWER REQUIREMENTS:** 6 v.(6 amp) or 12 v.(3.5 amp) power supply or dry batteries; or 24 v w/Dynamotor DY-44/U.

**PHYSICAL CHARACTERISTICS**

Radio Set SCR-619 weighs 189.43 pounds net. Packed for domestic shipment: total weight 366 pounds, total volume 16.1 cu ft.