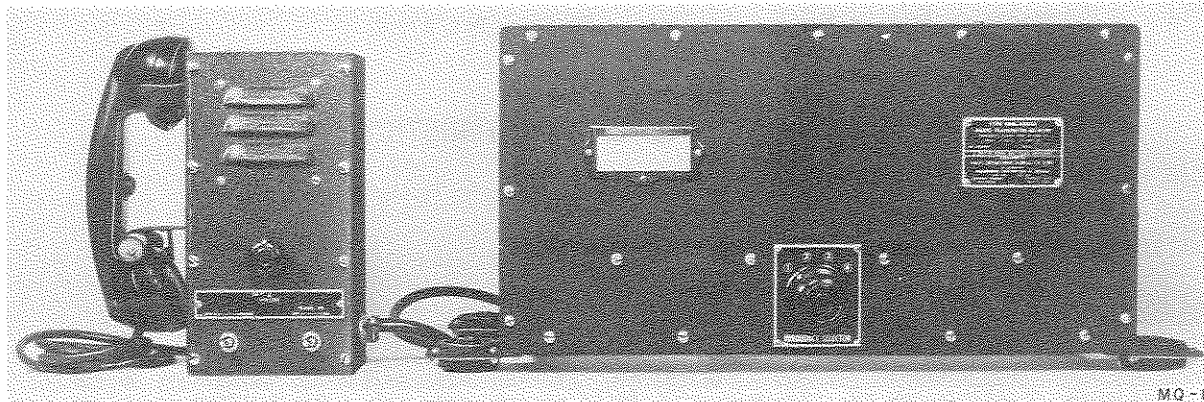


STATUS: Limited Standard	AN/VRC-TYPE
CLASSIFICATION OF EQUIPMENT: Unclassified	
USING SERVICE: Navy	
DATE OF THIS SHEET: 29 Apr 52	
	SERVICE TYPE NUMBER: MQ-1
	RADIOTELEPHONE EQUIPMENT



Radiotelephone Equipment MQ-1 is a general purpose, compact, low-power, m-f transmitter-receiver designed for two-way mobile radiotelephone communication.

Four preset crystal-controlled channels are provided in this transmitter-receiver, which are selected by a single control on the front panel.

Any simple single-wire antenna may be used with the MQ-1.

It has two self-contained, self-rectifying power supplies.

Remote control is provided, but does not include channel selection.

AN/VRC-TYPE		INSTRUCTION LITERATURE: NavShips 95144
MQ-1		CLASSIFICATION OF EQUIPMENT: Unclassified
:SERVICE TYPE NUMBER		USING SERVICE : Navy
RADIOTELEPHONE EQUIPMENT		DATE OF THIS SHEET : 29 Apr 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Transmitter-Receiver CRM-43023 (6 v dc) or CRM-43024 (12 v dc)	10-3/8 x 23-5/8 x 13-7/8	40
1	Remote Control Unit CRM-23327	10-5/8 x 9-1/2 x 4	7

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Vehicular mobile communications.

INSTALLATION: Ground, vehicular.

APPROXIMATE RANGE (IN MILES): Medium.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ARR-15; AN/ART-13; AN/CRT-3; AN/FRC-10; AN/FRR-3, -4, -7, -12, -28, -32; AN/FRT-5, -6, -15, -17, -18; AN/GRC-9, -13, -26; AN/GRR-2, -3, -5; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7; AN/SRR-3, -8, -12, -13; AN/SRT-4; AN/TRQ-1; AN/URR-10, -22, -23; AN/URT-2, -3, -4; AN/VRC-1, -4; AN/VRR-2; BC-191, -312, -339, -342, -348, -401, -447, -610, -779, -794, -1004; MBS; MQ; OA-58/FRC, -59/FRC, -60A/FRT, -60B/FRT; R-62/PR, -80/PR, -96/SR, -129/U, -203/SR, -205/U, -206/PR, -208/FR, -209/FR, -210/U, -211/U, -213/SR, -274/FRR, -320/FRC, -398/URR; RAL; RAO; RAS; RBB; RBG; RBH; RBM; RBO; RBP; RBS; RC-52; RCF; RCG; RCH; RDE; RDM; REA; SCR-177, -193, -193, -244, -274, -281, -399, -499, -506, -536, -543, -585, -593, -607, -694, -704; T-4/FRC, -93/SR, -158/FRT, -159/FRT, -172/FR, -173/FR, -174/FR, -175/FR, -177/FR, -180/FR; TBA; TBC; TBK; TBL; TBM; TBN; TBO; TBU; TBX; TCB; TCC; TCE; TCH; TCK; TCP; TCS; TCZ; TDE; TDF; TDH; TDN; TDO; TEB; TEC; TEF; AR-88 (RCA); Collins 18S-4 (AF Model); Collins 32V-2, 75A-2; Fisher TS 25-3; Hammarlund SP-600-JX; Marconi TH-41-B; National HRO-50; Westinghouse Type MW; Wilcox 96D, 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 2.0 - 3.5.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice.

POWER OUTPUT: Transmitter: 5 w.
Receiver: 50 mw.

POWER REQUIREMENTS: 113 w, 6.3 v, dc; 151 w, 12.6 v, dc.

PHYSICAL CHARACTERISTICS

Radiotelephone Equipment MQ-1 measures 10-3/8 x 23-5/8 x 13-7/8 inches, net weight 75 pounds.