

STATUS: Standard	AN/PRC-TYPE
CLASSIFICATION OF EQUIPMENT: Unclassified	
USING SERVICE: Navy	
DATE OF THIS SHEET: 9 May 52	
SERVICE TYPE NUMBER: MAW	
PORTABLE VHF RADIO TRANS & REC EQUIP	



Portable VHF Radio Transmitting and Receiving Equipment MAW is a low-power, v-h-f, pack type communication set used in ground-to-air liaison, ship, or shore based emergency communication. The entire equipment, including accessories, is contained in a portable submersion-proof case. It is capable of voice and mcw transmission and reception on any one of 10 preset crystal-controlled channels.

This equipment is powered by two 2-v storage batteries and a vibrator-type power pack.

The batteries are of the dry-charged type, and 24 ounces of 1.265 specific gravity sulphuric acid is required.

Battery charging can be accomplished by connection to a 6-v storage battery or other source of low voltage d-c power.

AN/PRC-TYPE		INSTRUCTION LITERATURE: NavShips 900.734
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter- Receiver CHW-43069	17-15/16 x 14-1/2 x 5-3/8	42.0
2	Antenna Assembly CHW-66150	19 x 1-1/2 x 1-1/2	0.73
1	Shipping Chest CHW-10543	12-3/4 x 25 x 16-1/2	35.56

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard or shore stations.

INSTALLATION: Ground, portable.

APPROXIMATE RANGE (IN MILES): 10.

CAN COMMUNICATE WITH: AN/ARC-1, -3, -5, -18, -28, -36; AN/CRC-2; AN/FRC-7; AN/GRC-30;
 AN/MRC-20, -22; AN/PRC-17, -20; AN/TRC-7; AN/TRQ-1; AN/URC-4; AN/URR-10, -12, -21; AN/URT-7,
 -10; AN/VRC-1; BC-639, -640; MAR; MAW; MBS; R-137/GR; RBK; RBQ; RC-256, -257; RCK; RCO;
 SCR-522, -542, -573, -574, -575, -607, -616, -624, -641, -643, -644; TDG; TDQ; TDT; ARC Type 12;
 Wilcox 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 115- 156.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice, mcw.

POWER OUTPUT: Transmitter: 0.7 w.
 Receiver: 0.025 w into 600 ohm load.

POWER REQUIREMENTS: 45.2 w, 4 v, dc.

PHYSICAL CHARACTERISTICS

Portable VHF Radio Transmitting and Receiving Equipment MAW measures 17-15/16 x 14-1/2 x 5-3/8 inches, net weight 91 pounds, volume 3.21 cu ft. Packed for domestic shipment: total weight 137 pounds, total volume 6.54 cu ft.