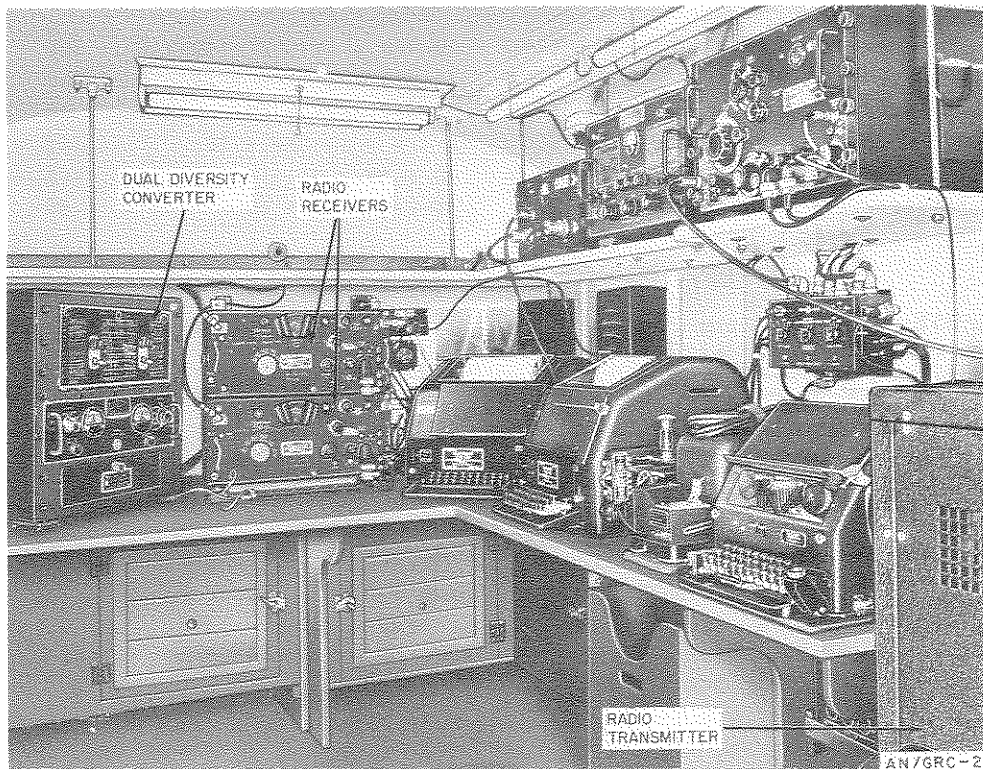


STATUS: Standard
 CLASSIFICATION OF EQUIPMENT: Unclassified
 USING SERVICE: Army, Navy
 DATE OF THIS SHEET: 9 Jan 52

AN/GRC-26

RADIO SET



Radio Set AN/GRC-26 is a mobile, medium-power, long range, a-m (voice, tone, cw, or frequency-shift-keying teletypewriter) transmitting and receiving equipment used for point-to-point and ground-to-air communication at division and higher headquarters.

This equipment consists of radio, teletypewriter, and associated items installed in a field-type shelter mounted on a 2-1/2-ton, 6 x 6, cargo truck, with a 1-ton trailer on which a portable, field power unit is installed. Whip-type and doublet antenna components are included.

This set usually is used for radioteletype operation on a full-duplex basis and uses dual-diversity reception. It can be operated on a half-duplex basis and includes a voice channel which is used as an "order wire". The equipment normally is operated at the halt but can provide voice or c-w communication while in motion. The voice channel can be used as a voice-patching facility, simultaneously with radioteletype operation in emergencies or when otherwise required.

The entire equipment can be transported by a C-82 type aircraft.

AN/GRC-26	INSTRUCTION LITERATURE: TM 11-264
	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO SET	USING SERVICE: Army, Navy
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Dual Diversity Converter CV-31B/TRA-7	20-7/8 x 17-5/6 x 19-1/4	200
1	Frequency Shift Exciter O-39B/TRA-7	12-5/8 x 16-3/8 x 19	110
1	Perforator-Transmitter TT-56/MGC	13-1/2 x 21 x 25	85
2	Radio Receiver R-336/GRC-26	9-1/4 x 10-3/4 x 18	65
1	Radio Transmitter T-213/GRC-26	45 x 30 x 31	400
2	Teletypewriter TT-55/MGC	15-1/2 x 18 x 18	60

OPERATIONAL CHARACTERISTICS

TACTICAL USE: At division, army, and corps level, used in radio and message center operations company, signal battalion, corps (corps level). Used by special teams.

INSTALLATION: Ground, mobile **APPROXIMATE RANGE (IN MILES):** (Nominal) 100.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ARR-15; AN/ART-12, -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, -19, -20; 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, -R-96/SR, -129/U, -203/SR, -205/U, -206/PR, -208/FR, -209/FR, -210/U, -211/U, -213/SR, -274/FRR, -320/FRC, -388/URR; RAL; RAO; RAS; RBB; RBC; RBG; RBH; RBM; RBO; RBP; RBS; RC-52; RCF; RCG; RCH; RDE; RDM; REA; SCR-177, -188, -193, -244, -274, -281, -399, -499, -506, -536, -543, -585, -593, -607, -694, -704; T-4/FRC; -83/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; TBW; TBX; TCB; TCC; TCE; TCH; TCK; TCP; TCS; TCZ; TDE; TDF; TDH; TDM; TDO; TEB; TEC; TEF; AR-98 (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: Receiver: Band A: 1.5 - 3.0, Band B: 3.0 - 5.0, Band C: 5.0 - 8.0, Band D: 8.0 - 11.0, Band E: 11.0 - 14.0, Band F: 14.0 - 18.0. Transmitter: 2.0 - 18.0.

TYPE MODULATION: Am and frequency shift keying.

TYPE OF SIGNAL: Voice, tone, cw, and frequency shift keying.

POWER OUTPUT: Voice - 300 w; cw - 400 w; frequency shift keying - 400 w.

POWER REQUIREMENTS: Transmitter: 2,000 w, Exciter: 185 w, Receiver: 80 w, Converter: 175 w, 115v, 60 cyc, ac.

PHYSICAL CHARACTERISTICS

Radio Set AN/GRC-26 weighs 8,881.6 pounds net, volume 586.5 cu ft, 14.66 ship tons. Packed for domestic shipment: total weight, 11,950 pounds, total volume 926 cu ft, 23.15 ship tons. Packed for export shipment: total weight 15,400 pounds, total volume 1,150 cu ft, 28.75 ship tons. Shipped in 2 packages both domestic and export.