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TM 11-227

WAR DEPARTMENT TECHNICAL MANUAL

SIGNAL COMMUNICATION
EQUIPMENT DIRECTORY

RADIO COMMUNICATION EQUIPMENT

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10 APRIL 1944

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SIGNAL COMMUNICATION
EQUIPMENT DIRECTORY
RADIO COMMUNICATION EQUIPMENT



WAR DEPARTMENT • 10 APRIL 1944

United States Government Printing Office

Washington : 1944

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WAR DEPARTMENT,
WASHINGTON 25, D. C., -----

TM 11-227, Signal Communication Equipment Directory—Radio
Communication Equipment, is published for the information and
guidance of all concerned.

[A. G. 300.7 (10 Mar. 44).]

BY ORDER OF THE SECRETARY OF WAR:

G. C. MARSHALL,
Chief of Staff.

OFFICIAL:

J. A. ULIO,
*Major General,
The Adjutant General.*

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SIGNAL COMMUNICATION EQUIPMENT DIRECTORY - RADIO COMMUNICATION EQUIPMENT.

THE PURPOSE OF THIS MANUAL IS TO PRESENT, IN A SINGLE VOLUME, A CONDENSATION AND COMPILATION OF DATA PERTAINING TO SIGNAL CORPS RADIO COMMUNICATION EQUIPMENT. IT IS ISSUED IN LOOSE-LEAF FORM, SO THAT ADDITIONAL SHEETS OR REVISIONS OF OLD SHEETS CAN BE ADDED.

THE TABLE OF CONTENTS IN THE FRONT OF THE VOLUME LISTS ALL SETS BY FUNCTIONAL GROUPS, SHOWING PAGE NUMBERS; THE INDEX IN THE BACK OF THE VOLUME LISTS ALL THE SETS DESCRIBED IN ALPHABETICAL AND NUMERICAL ORDER, SHOWING INDIVIDUAL PAGE NUMBERS; AND, FINALLY, THE PAGES OF THE BOOK ARE ASSEMBLED SO THAT THE NOMENCLATURE OF THE SETS RUNS ALPHABETICALLY AND NUMERICALLY THROUGHOUT.

THIS MANUAL SUPERSEDES THE SECRET INFORMATION LETTER; OTHER SPECIAL COMMUNICATION EQUIPMENT DIRECTORIES, AND THE SIGNAL COMMUNICATION EQUIPMENT DIRECTORY, APRIL 1943 ISSUE, FORMERLY PUBLISHED BY THE CHIEF SIGNAL OFFICER.

(ALL INFORMATION CONTAINED HEREIN IS BASED ON LATEST DATA AVAILABLE 1 MARCH 1944)

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IN THE OFFICE OF THE DIRECTOR

THIS REPORT CONTAINS THE SECRET INFORMATION PERTAINING TO THE SPECIAL COMMUNICATIONS CONTROL

AND THE SPECIAL COMMUNICATIONS EQUIPMENT DIVISION, DEPARTMENT OF DEFENSE, WASHINGTON, D.C.

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SIGNAL COMMUNICATIONS EQUIPMENT DIRECTORY - RADIO COMMUNICATIONS EQUIPMENT

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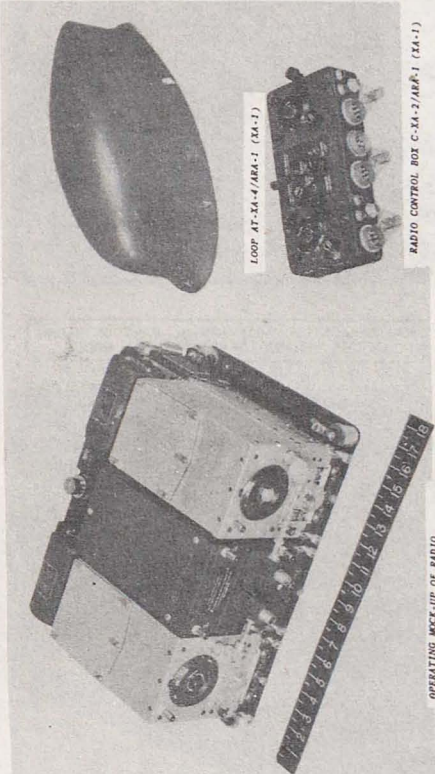
10-9 (Radio Intercept and Recording Center) 151

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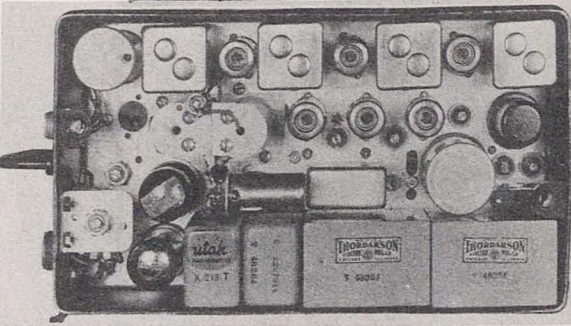
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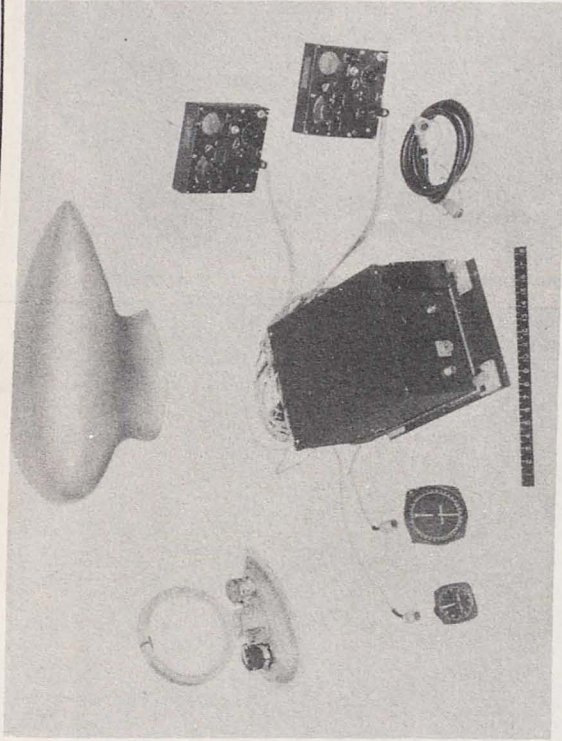
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INSTRUCTIONAL LITERATURE:	STATUS:	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: AN/ARA-1			
CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		
 <p data-bbox="507 533 528 697">LOOP ANTENNA (XA-1)</p> <p data-bbox="663 454 683 689">RADIO CONTROL UNIT C-XA-2/ARA-1 (XA-1)</p> <p data-bbox="745 635 766 1011">COMPONENTS OF RADIO COMPASS ADAPTER AN/ARA-1 (XA-1)</p> <p data-bbox="766 454 787 1191">(MODULATOR UNIT MD-XA-1/ARA-1(XA-1) SHOWN MOUNTED BETWEEN MODIFIED RECEIVERS OF RADIO SET SCR-274-N)</p> <p data-bbox="683 964 735 1136">OPERATING MCK-UP OF RADIO COMPASS ADAPTER AN/ARA-1 (XA-1) (RECEIVING GROUP)</p>		<p>FREQUENCY RANGE: (Mc) .190 -1.5</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES: NONE</p> <p>ANTENNA: FIXED OR ROTATABLE LOOP AND SENSE ANTENNA.</p> <p>TUNING: (MO OR XTAL) SINGLE CONTROL.</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 28 VOLTS D. C.</p> <p>SIMILAR SETS: SCR-186</p> <p>POWER OUTPUT: (WATTS) NONE</p> <p>TUBES: (TYPE AND NUMBER) 1-12SK7 1-12SR7 2-12AH7GT.</p>	<p>USE: USED WITH BC-453-B AND/OR BC-946 TO GIVE AURAL OR VISUAL LEFT-RIGHT RADIO COMPASS OPERATION.</p> <p>RANGE: MAXIMUM 300 MILES, DEPENDING UPON TRANSMITTER.</p> <p>TO COMMUNICATE WITH:</p> <p>TO REPLACE IN PART: ANY AIRCRAFT LEFT-RIGHT COMPASS.</p> <p>TRANSPORTATION: AIRBORNE.</p> <p>TYPE OF SIGNAL: CW - MCW - VOICE.</p>			
		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)				
		ITEM	DIMENSIONS			WEIGHT
	HEIGHT	WIDTH	DEPTH			
COMPASS MODULATOR				7.0#		
INDICATOR 1-75-A				1.87#	UNCLASSIFIED	
INDICATOR 1-65-A				1.75#	UNCLASSIFIED	
CONTROL BOX				3.00#		
COMBINED WEIGHT OF COMPONENTS:				14# (APPROXIMATE)		
COMBINED VOLUME OF COMPONENTS:				400 CU. IN.		
SHIP TONNAGE:						

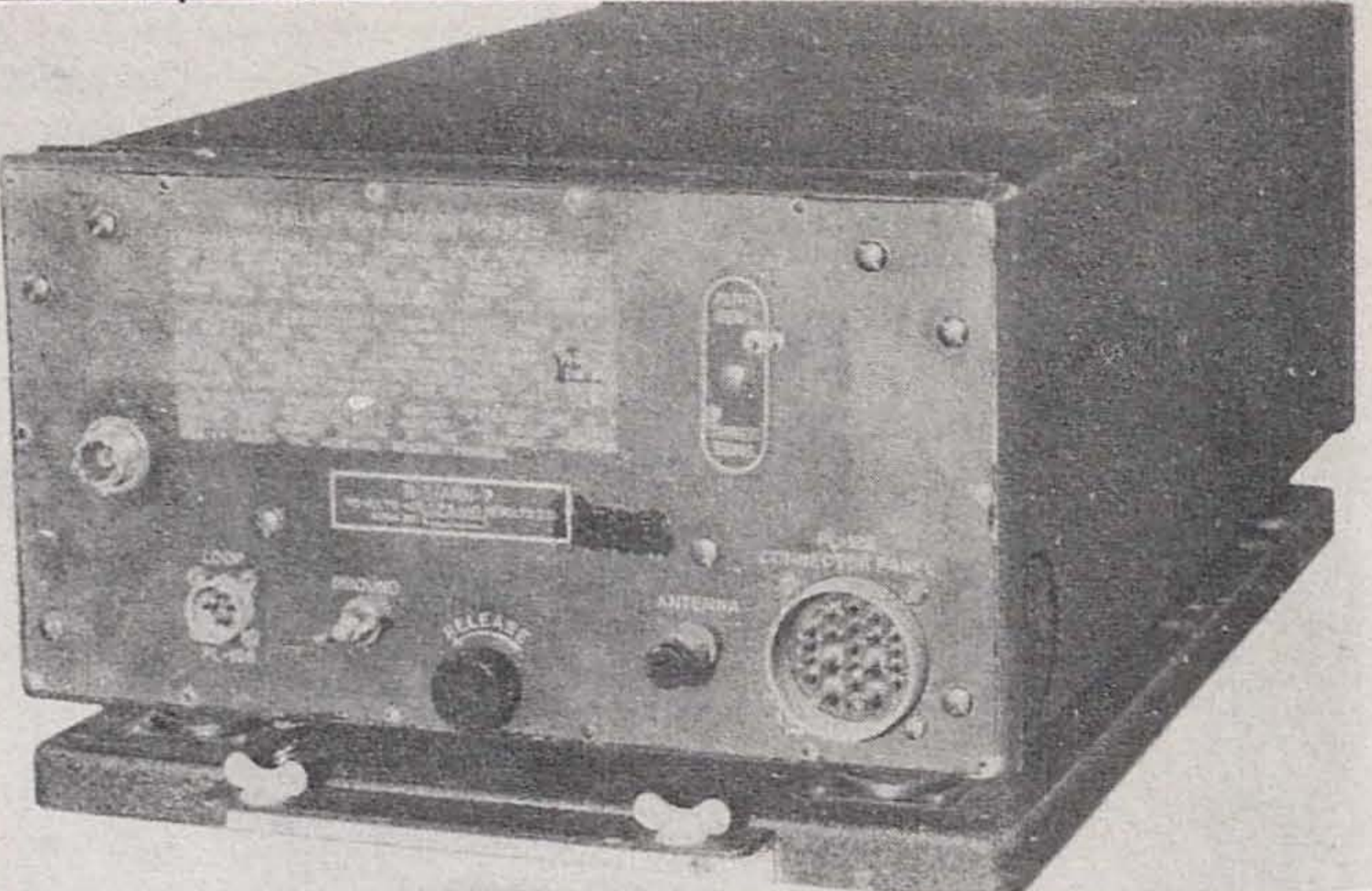
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AN/ARN-5		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	INSTRUCTIONAL LITERATURE:		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 335 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ONE ANTENNA: AS-27/ARN-5 TUNING: (MO OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: 24 V. AIRCRAFT BATTERY. SIMILAR SETS: NONE. POWER OUTPUT: (WATTS) NONE. TUBES: (TYPE AND NUMBER) (TENTATIVE) (BENDIX MODEL) 2-12AH7GT; 1-28D7; 1-955. (CROSLY MODEL) 1-12SR7GT; 2-12SN7GT; 1-28D7; 8-6AK5. (EMERSON MODEL) 1-6SL7GT; 1-12SN7GT; 1-28D7; 1-955.			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: AIRBORN GLIDE PATH RECEIVER FOR GIVING PILOT VERTICAL GUIDANCE FOR INSTRUMENT APPROACH OR LANDING. RANGE: TO COMMUNICATE WITH: AN/CRN-2 TO REPLACE IN PART: AN/ARN-5 IS A PART OF A SYS- TEM WHICH REPLACES SCR-241. TRANSPORTATION: AIRBORN TYPE OF SIGNAL: MCW, VOICE		CHANGE IN STATUS:	RADIO RECEIVER 15-ARN/5 (TOP VIEW, COVER REMOVED) PART OF RADIO SET AN/ARN-5. DEVELOPMENTAL MODEL. 		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)								
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION			
	HEIGHT	WIDTH	DEPTH					
RADIO RECEIVER, R-15/ARN-5; R-47/ARN-5 OR R-57/ARN-5	6-1/2"	6"	8"	8#				
COMBINED WEIGHT OF COMPONENTS:				10# APPROX.				
COMBINED VOLUME OF COMPONENTS:								
SHIP TONNAGE:								

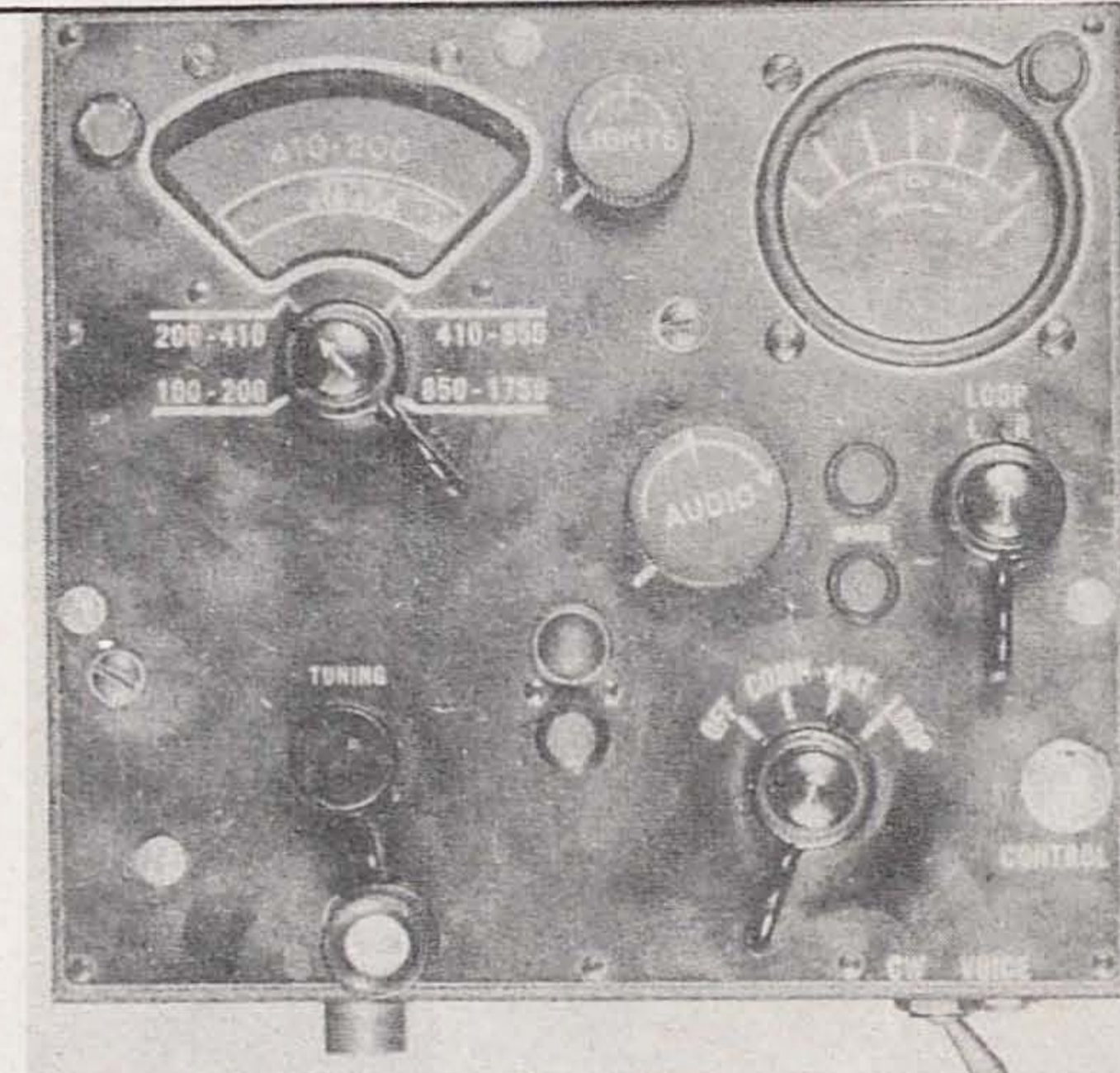
 RADIO RECEIVER R-15/ARN-5. PART OF RADIO
 SET AN/ARN-5. DEVELOPMENTAL MODEL.
 

INSTRUCTIONAL LITERATURE:	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	AN/ARN-6																																										
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																									
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">RADIO COMPASS AN/ARN-6</p>			<p>FREQUENCY RANGE: (Mo) .100 to 1.750</p> <p>NUMBER OF CRYSTALS:</p> <p>PRESET FREQUENCIES:</p> <p>ANTENNA: LOOP, FIXED OR ROTATABLE, WITH REMOTE INDICATION OF LOOP POSITION. (DUAL REMOTE CONTROL AND ONE SET OF LOCAL CONTROLS.)</p> <p>TUNING: (MO OR XTAL)</p> <p>SENSITIVITY: 50 MICROVOLTS/METER. SELECTIVITY ----</p> <p>POWER SOURCE: 24 Volts DC</p> <p>SIMILAR SETS: SCR-269 (AN/ARN-6 IS TO BE SMALLER THAN RADIO SET SCR-269)</p> <p>POWER OUTPUT (WATTS) NONE</p> <p>TUBES: (TYPE AND NUMBER)</p> <p>TUBE DATA NOT AVAILABLE AT PRESENT.</p>		<p>USE: AUTOMATIC RADIO COMPASS SIMILAR TO SCR-269 PRIMARILY USED FOR NAVIGATION. INSTALLED IN AIRPLANES.</p> <p>RANGE (MILES)</p> <p>TO COMMUNICATE WITH:</p> <p>TO REPLACE IN PART: SCR-269. (NOTE: RADIO SET AN/ARN-6 IS TO BE LIGHTER IN WEIGHT THAN RADIO SET SCR-269 AND WILL ALSO BE SIMPLER TO OPERATE.)</p> <p>TRANSPORTATION: AIRBORNE INSTALLATION</p> <p>TYPE OF SIGNAL: CW - MCW AND VOICE.</p>																																										
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																												
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>1 RADIO COMPASS UNIT</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2 RADIO CONTROL BOX</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 LOOP</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2 INDICATORS</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6" style="text-align: center;">(NO FURTHER DATA ON COMPONENTS AVAILABLE AT PRESENT.)</td> </tr> </tbody> </table>						ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	1 RADIO COMPASS UNIT						2 RADIO CONTROL BOX						1 LOOP						2 INDICATORS						(NO FURTHER DATA ON COMPONENTS AVAILABLE AT PRESENT.)					
			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																							
HEIGHT	WIDTH	DEPTH																																													
1 RADIO COMPASS UNIT																																															
2 RADIO CONTROL BOX																																															
1 LOOP																																															
2 INDICATORS																																															
(NO FURTHER DATA ON COMPONENTS AVAILABLE AT PRESENT.)																																															
COMBINED WEIGHT OF COMPONENTS: (ESTIMATED)				50#																																											
COMBINED VOLUME OF COMPONENTS:				1500-----CUBIC INCHES																																											
SHIP TONNAGE:				MAXIMUM																																											

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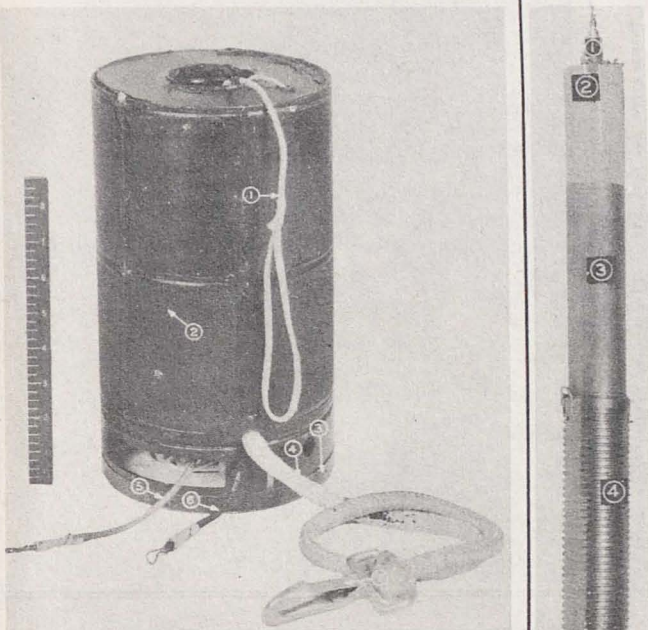
*AN/ARN-7 NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS: *ARMY-NAVY-BRITISH STANDARD BY J.A.C. CASE #205.	INSTRUCTIONAL LITERATURE:	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 0.1 - 1.75 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: LOOP AND SENSE ANTENNA TUNING: (MO OR XTAL) REMOTE MANUAL SENSITIVITY: 40 MV./METER SELECTIVITY: 10 TIMES RESONANT INPUT FOR 6.3KC BANDWIDTH. POWER SOURCE: 110 V. 400 CYCLES A-C SIMILAR SETS: SCR-269 (INTERCHANGEABLE BY COMPONENTS) POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 2 - VT - 66 1 VT - 94 1 - VT - 74 1 VT - 96 4 - VT - 86 1 VT - 105 1 - VT - 87 2 VT - 109 2 - VT - 93		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: AIRBORN AUTOMATIC DIRECTION-FINDER. GIVES AUTOMATIC BEARING INDICATION OF THE DIRECTION OF ARRIVAL OF RADIO FREQUENCY ENERGY. ALSO AURAL RECEPTION OF CW, MCW, OR VOICE ON LOOP OR ANTENNA. RANGE: ACCURATE BEARINGS TO ABOUT 100 MILES DAYTIME. SUBJECT TO NIGHT EFFECT ERRORS. TO COMMUNICATE WITH: TO REPLACE IN PART: SCR-269 TRANSPORTATION: AIRBORNE TYPE OF SIGNAL: CW, MCW, VOICE				RADIO COMPASS UNIT #R-5/ARN-7 PART OF DEVELOPMENTAL MODEL OF RADIO COMPASS #AN/ARN-7
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)						
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	
	HEIGHT	WIDTH	DEPTH			
1 RADIO COMPASS UNIT	7 7/8"	12"	19 13/16"		RESTRICTED	
2 RADIO CONTROL BOX	7 1/2"	7 1/2"	3 15/16"	3.76#	RESTRICTED	
1 LOOP LP-21	25 3/8"	14 31/32"	9"	10.37#	UNCLASSIFIED	
1 INDICATOR I-81	3 1/4"	3 1/4"	3 11/16"	.75#	UNCLASSIFIED	
1 INDICATOR I-82	5 1/8"	5 1/8"	4 3/32"	1.19#	UNCLASSIFIED	
1 RELAY BK-22	11 3/4"	7"	3"	6.40#	UNCLASSIFIED	
COMBINED WEIGHT OF COMPONENTS:				75 LBS.		
COMBINED VOLUME OF COMPONENTS:				5121 cu. IN.		
SHIP TONNAGE:				0.0296T		

RADIO COMPASS UNIT #R-5/ARN-7 PART OF DEVELOPMENTAL MODEL OF RADIO COMPASS #AN/ARN-7



FRONT PANEL VIEW OF RADIO CONTROL BOX #C-4/ARN-7 PART OF DEVELOPMENTAL MODEL OF RADIO COMPASS #AN/ARN-7

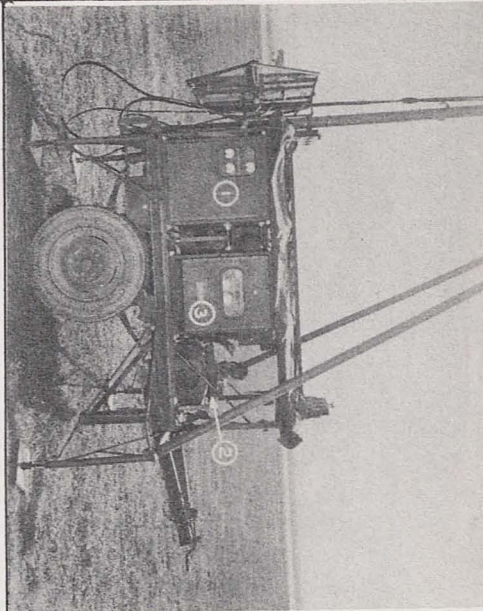
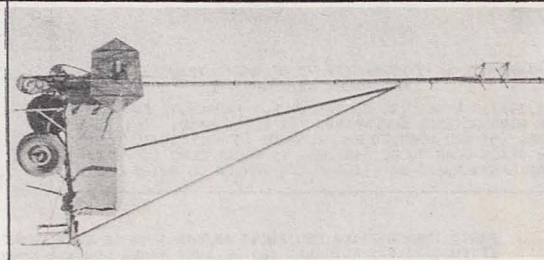
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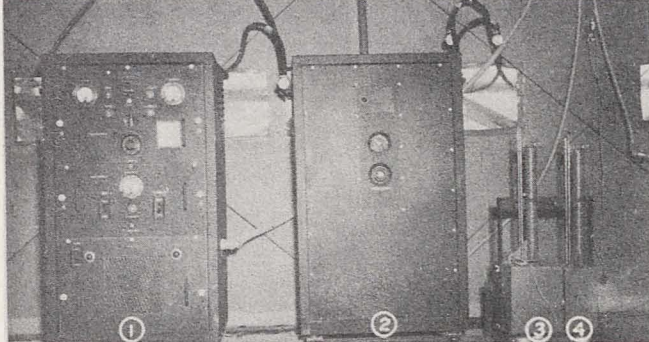
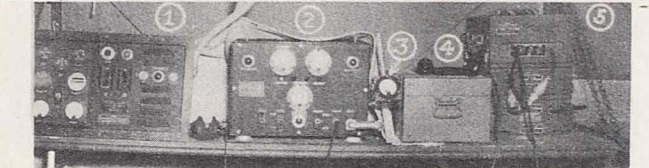
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	PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)						
	FREQUENCY RANGE: (MO) 1.45 - 1.70 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ANTENNA: TELESCOPING WHIP TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: BATTERIES SIMILAR SETS: NONE POWER OUTPUT: (WATTS) LESS THAN ONE TUBES: (TYPE AND NUMBER) 2 - 6V6GT		USE: WHEN DROPPED INTO THE SEA FROM AN AIRCRAFT, AUTOMATICALLY TRANSMITS A SIGNAL FOR HOMING BY MEANS OF RADIO COMPASS SCR-269. WORKS 12 HOURS AND THAN SINKS. RANGE: 50 MILES OVER SEA WATER. TO COMMUNICATE WITH: SCR-269 TO REPLACE IN PART: TRANSPORTATION: AIR TYPE OF SIGNAL: C. W.						
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)									
		ITEM			DIMENSIONS			WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH					
		RADIO TRANSMITTER T-2/CRN - 1			4' *	8" DIAMETER			RESTRICTED
		BATTERY BA-201/CRN-1							UNCLASSIFIED
		* HEIGHT OF TRANSMITTER NOT EXTENDED.							
		COMBINED WEIGHT OF COMPONENTS:			35#				
		COMBINED VOLUME OF COMPONENTS:			1.5 CU. FT.				
		SHIP TONNAGE:							

PARACHUTE MX-91/CRN-1; PART OF RADIO TRANSMITTING EQUIPMENT AN/CRN-1

(1) STATIC LINE. (2) CONTAINER FOR PARACHUTE AND SISTER RING RELEASE MECHANISM. (3) METAL BAND. (4) LOAD LINE. (5) RED CORD, TO BE FASTENED TO PULL SWITCH LOOP (6) BLACK CORD TO BE FASTENED TO FLOAT CORD LOOP. (7) SNAP FASTNER, (TO BE ATTACHED TO HANDLE ON OUTER CASE.

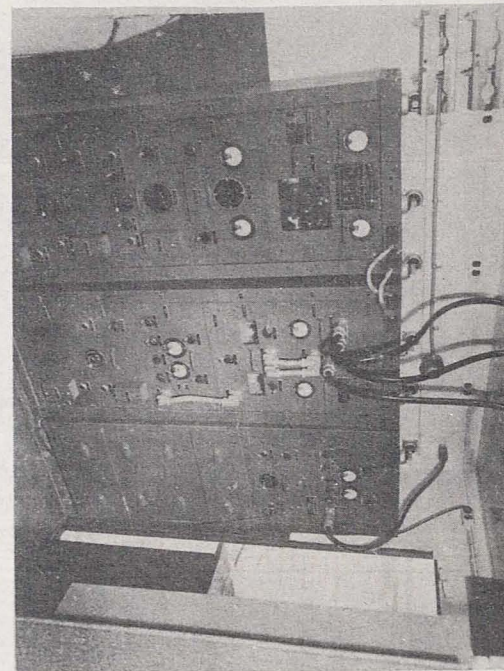
RADIO TRANSMITTING EQUIPMENT AN/CRN-1 (SIDE VIEW, CONTAINERS EXTENDED). (1) ANTENNA. (2) DELAYED TIMER CONTROL KNOB. (3) INNER CONTAINER. (4) OUTER CONTAINER.

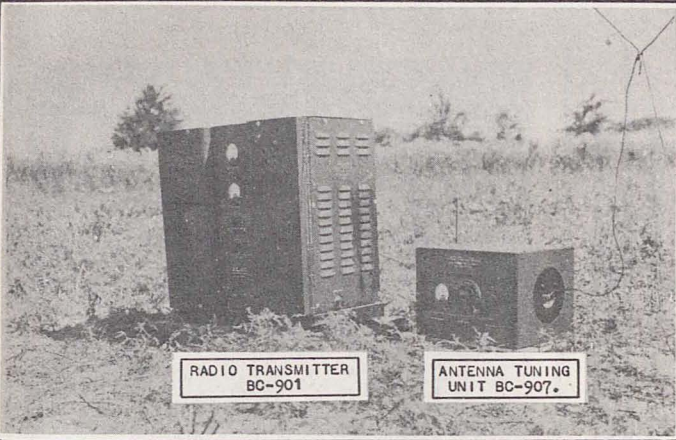
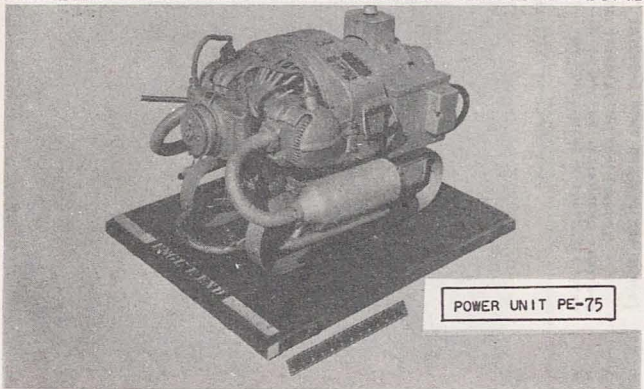
AN/CRN-2		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD 5 FEB 44		INSTRUCTIONAL LITERATURE:															
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 330 TO 340 NUMBER OF CRYSTALS: 1 PRESET FREQUENCIES: 335 Mc. ANTENNA: FOLDED DIPOLES TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: PE-141 MOTOR GENERATOR (115 V 60 CYCLES) SIMILAR SETS: POWER OUTPUT: (WATTS) 25 WATTS OF CW POWER. TUBES: (TYPE AND NUMBER) <table border="0"> <tr><td>1-6JS</td><td>1-829B</td></tr> <tr><td>2-6SJ7</td><td>1-832</td></tr> <tr><td>1-6SK7</td><td>2-836</td></tr> <tr><td>3-5V4G</td><td>4-8025</td></tr> <tr><td>3-6SN7GT</td><td>1-VR90</td></tr> <tr><td>1-9002</td><td>1-VR150</td></tr> </table>				1-6JS	1-829B	2-6SJ7	1-832	1-6SK7	2-836	3-5V4G	4-8025	3-6SN7GT	1-VR90	1-9002	1-VR150	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: IS A GLIDE PATH TRANSMITTER WHICH GIVES THE ANGLE OF APPROACH. THIS IS INDICATED ON A HORIZONTAL POINTER CONTAINED IN THE AN/ARN-4, INSTRUMENT LANDING RECEIVING EQUIPMENT. RANGE: (MILES) 15 MILES AT 3000 FT. TO COMMUNICATE WITH: AN/ARN-5 TO REPLACE IN PART: TRANSPORTATION: INSTALLED IN AIR-TRANSPORTABLE TRAILER. TYPE OF SIGNAL: STRAIGHT LINE GLIDE PATH - DOUBLE BEAM MCW SYSTEM.				CHANGE IN STATUS:		RADIO SET AN/CRN-2 (GLIDE PATH TRANSMITTING EQUIPMENT SET UP FOR OPERATION) DEVELOPMENTAL MODEL. (1) TRANSMITTER AND MODULATOR. (2) GASOLINE ENGINE POWER SUPPLY. (3) RECTIFIER POWER SUPPLY.			
1-6JS	1-829B																								
2-6SJ7	1-832																								
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PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																									
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	(NOT YET DEFINITELY DETERMINED)																			
	HEIGHT	WIDTH	DEPTH																						
COMBINED WEIGHT OF COMPONENTS:																									
COMBINED VOLUME:																									
SHIP TONNAGE:																									
						RADIO SET, AN/CRN-2 (INSTRUMENT LANDING GLIDE PATH) DEVELOPMENTAL MODEL 																			

INSTRUCTIONAL LITERATURE: AN-08-10-183 (H/W)	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: AN/CRN-3																																																																																																																																	
 <p>LOOPS MOUNTED ON TEMPORARY FRAMEWORK, OUTSIDE PORTABLE SHELTER.</p>			<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>FREQUENCY RANGE: (MO) 108.3-110.3</p> <p>NUMBER OF CRYSTALS: 3 or 6</p> <p>PRESET FREQUENCIES: 108.3, 108.7, 109.1, 109.5, 109.9, 110.3.</p> <p>ANTENNA: 5 ALFORD LOOPS IN SAME HORIZONTAL PLANE.</p> <p>TUNING: (MO OR XTAL) XTAL</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: POWER UNIT-PE-141 OR 110V, 60 CYCLES.</p> <p>SIMILAR SETS: AN/MRN-1</p> <p>POWER OUTPUT: (WATTS) 25</p> <p>TUBES: (TYPE AND NUMBER) 1 BC-751 TRANS; 4-807W; 3-HK257; 1-6H6; 1-6F6; 1-6SN7G1; 1-5V4G; 4-836; 2-VR-150-30; 1-BC-753 COURSE DETECTOR; 1-9002; 1-6SF5; 1-6K6GT; 1-6X81; 1-BC-754 COURSE DETECTOR; 1-1R5; 1-957; 2-1LN 5; 1-1S5; 1-3S4; 1-BC-755 INDICATOR BOX; 2-1 S 5; 1-BC-777 INTENSITY METER; 1-6H6; 2-6SC7.</p>	<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>USE: GROUND LOCALIZER TRANSMITTER TO PROVIDE AZIMUTH GUIDANCE OF AIRCRAFT FOR BLIND APPROACH OR INSTRUMENT LANDING. THIS SET HAS SAME COMPONENTS AS AN/MRN-1 PACKED FOR AIR TRANSPORT INSTEAD OF INSTALLED IN TRUCK K-53.</p> <p>RANGE: 75 MILES</p> <p>TO COMMUNICATE WITH: RC-103</p> <p>TO REPLACE IN PART: ARMY A-1 INSTRUMENT LANDING SYSTEM.</p> <p>TRANSPORTATION: AIR</p> <p>TYPE OF SIGNAL: CW, MCW, VOICE.</p>																																																																																																																																	
 <p>(1) TRANSMITTER BC-751. (2) MODULATOR & BRIDGE BC-752. (3) COURSE DETECTOR BC-754 (PORTABLE). (4) FIELD INTENSITY METER BC-755.</p>			<p>PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)</p>																																																																																																																																		
 <p>(1) CONTROL BOX BC-915. (2) INDICATOR BOX BC-777. (3) VOLTMETER 1S-176. (4) CASE CS-72. (5) RADIO SET SCR-610.</p>			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO TRANSMITTER EQUIPMENT RC-107</td> <td></td> <td></td> <td></td> <td></td> <td>RESTRICTED</td> </tr> <tr> <td>LOCALIZER TRANSMITTER EQUIPMENT CONSISTS OF:</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>CONTROL BOX BC-915</td> <td></td> <td></td> <td></td> <td>800 #</td> <td></td> </tr> <tr> <td>RADIO TRANSMITTER BC-751</td> <td></td> <td></td> <td></td> <td>550 #</td> <td>RESTRICTED</td> </tr> <tr> <td>MODULATOR & BRIDGE BC-752</td> <td></td> <td></td> <td></td> <td>300 #</td> <td>RESTRICTED</td> </tr> <tr> <td>COURSE DETECTOR BC-753 (FIXED)</td> <td></td> <td></td> <td></td> <td>80 #</td> <td>RESTRICTED</td> </tr> <tr> <td>COURSE DETECTOR BC-754 (PORTABLE)</td> <td></td> <td></td> <td></td> <td>25 #</td> <td>RESTRICTED</td> </tr> <tr> <td>FIELD INTENSITY METER BC-755</td> <td></td> <td></td> <td></td> <td>25 #</td> <td>RESTRICTED</td> </tr> <tr> <td>INDICATOR BC-777 (ALARM)</td> <td></td> <td></td> <td></td> <td>70 #</td> <td>RESTRICTED</td> </tr> <tr> <td>ANTENNA EQUIPMENT RC-109</td> <td></td> <td></td> <td></td> <td>450 #</td> <td>RESTRICTED</td> </tr> <tr> <td>RADIO SET SCR-610</td> <td></td> <td></td> <td></td> <td>135 #</td> <td></td> </tr> <tr> <td>HEATER M-321</td> <td></td> <td></td> <td></td> <td>100 #</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>MAINTENANCE PARTS & TOOLS</td> <td></td> <td></td> <td></td> <td>500 #</td> <td></td> </tr> <tr> <td>SURVEYING INSTRUMENT</td> <td></td> <td></td> <td></td> <td>60 #</td> <td></td> </tr> <tr> <td>CRYSTAL UNIT DC-8</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>VOLTMETER 1S-175 (BALANCED R.F.)</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>VOLTMETER 1S-176 (UNBALANCED R.F.)</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td>3095 #</td> <td></td> </tr> <tr> <td>COMBINED VOLUME OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SHIP TONNAGE:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO TRANSMITTER EQUIPMENT RC-107					RESTRICTED	LOCALIZER TRANSMITTER EQUIPMENT CONSISTS OF:					UNCLASSIFIED	CONTROL BOX BC-915				800 #		RADIO TRANSMITTER BC-751				550 #	RESTRICTED	MODULATOR & BRIDGE BC-752				300 #	RESTRICTED	COURSE DETECTOR BC-753 (FIXED)				80 #	RESTRICTED	COURSE DETECTOR BC-754 (PORTABLE)				25 #	RESTRICTED	FIELD INTENSITY METER BC-755				25 #	RESTRICTED	INDICATOR BC-777 (ALARM)				70 #	RESTRICTED	ANTENNA EQUIPMENT RC-109				450 #	RESTRICTED	RADIO SET SCR-610				135 #		HEATER M-321				100 #	UNCLASSIFIED	MAINTENANCE PARTS & TOOLS				500 #		SURVEYING INSTRUMENT				60 #		CRYSTAL UNIT DC-8					UNCLASSIFIED	VOLTMETER 1S-175 (BALANCED R.F.)					UNCLASSIFIED	VOLTMETER 1S-176 (UNBALANCED R.F.)					UNCLASSIFIED	COMBINED WEIGHT OF COMPONENTS:				3095 #		COMBINED VOLUME OF COMPONENTS:						SHIP TONNAGE:					
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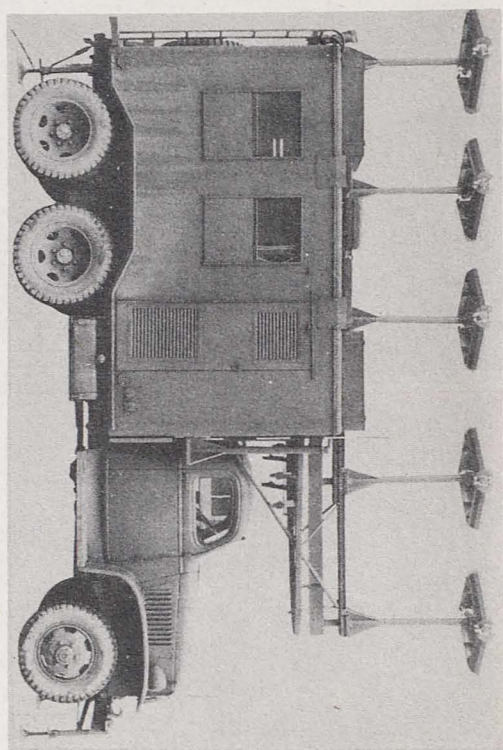
AN/CRN-5 NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	INSTRUCTIONAL LITERATURE:																		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mo) 100 - 150 TUNES OVER 5% BAND. NUMBER OF CRYSTALS: UNDER DEVELOPMENT. PRESET FREQUENCIES: NOT YET DETERMINED. ANTENNA: VERTICALLY POLARIZED. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: 115 VOLT 60 CYCLE SINGLE PHASE. GENERATOR CAPACITY 2 KVA-AC AND 6 VOLT 20 AMP. DC SIMILAR SETS: AN/CRN-5 POWER OUTPUT: (WATTS) CONE OF SILENCE 25 WATTS (ARL-117-1) RADIO TRANS. 100 WATTS CARRIER & 50 WATTS SIDE BAND ARL-119. TUBES: (TYPE AND NUMBER) <table border="0"> <tr> <td>1-6AC7</td> <td>4-6SN7GT</td> <td>2-829</td> </tr> <tr> <td>1-6BB</td> <td>2-6V6GT</td> <td>2-832</td> </tr> <tr> <td>3-6H6</td> <td>3-6X5GT</td> <td>6-836</td> </tr> <tr> <td>1-6J5</td> <td>2-185</td> <td>1-VR150</td> </tr> <tr> <td>2-6SJ7</td> <td>1-957</td> <td></td> </tr> <tr> <td>1-6SK7</td> <td>4-807</td> <td></td> </tr> </table>		1-6AC7	4-6SN7GT	2-829	1-6BB	2-6V6GT	2-832	3-6H6	3-6X5GT	6-836	1-6J5	2-185	1-VR150	2-6SJ7	1-957		1-6SK7	4-807		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: PORTABLE U.H.F. RADIO TWO COURSE AURAL RADIO RANGE WITH STATION IDENTIFICATION, PERIODIC QUADRANT IDENTIFICATION, AND SIMULTANEOUS PHONE TRANSMISSION. RANGE: (MILES) 80 TO COMMUNICATE WITH: SCR-522 TO REPLACE IN PART: SCR-277 TRANSPORTATION: Air TYPE OF SIGNAL: CW; MCW, AND VOICE.		CHANGE IN STATUS:	
1-6AC7	4-6SN7GT	2-829																					
1-6BB	2-6V6GT	2-832																					
3-6H6	3-6X5GT	6-836																					
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ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																		
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COMBINED WEIGHT OF COMPONENTS:																							
COMBINED VOLUME OF COMPONENTS:																							
SHIP TONNAGE:																							

RADIO SET AN/CRN-5 TRANSMITTING EQUIPMENT

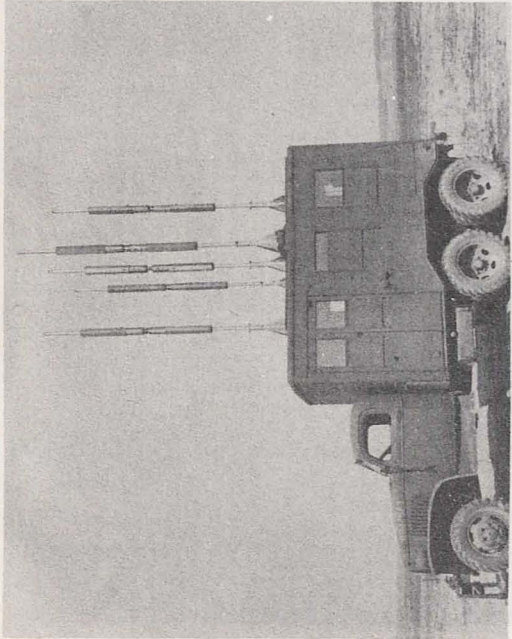


INSTRUCTIONAL LITERATURE:	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:		AN/GRN-1																																						
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)						PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																			
 <p style="text-align: center;">RADIO TRANSMITTER BC-901</p> <p style="text-align: center;">ANTENNA TUNING UNIT BC-907.</p>			FREQUENCY RANGE: 0.2 - 0.4 NUMBER OF CRYSTALS: PER SPECIAL ORDER. PRESET FREQUENCIES: NONE ANTENNA: SPECIAL - 200 MMF, 7 OHMS OR LESS. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: POWER UNIT PE-75 OR 110 VOLTS 50 - 60 CYCLES. 550 VOLT AMPERES SIMILAR SETS: NONE POWER OUTPUT: (WATTS) 50 TUBES: (TYPE AND NUMBER) 5 VT-145 (5Z3) 2 VT-94 (6J5) 6 VT-100 (807)			USE: A GROUND RADIO BEACON TO WHICH AIRCRAFT CAN HOME OR TAKE BEARINGS. RANGE: 100 MILES OVER LAND OR 300 MILES OVER SEA WATER. TO COMMUNICATE WITH: SCR-269 TO REPLACE IN PART: NONE TRANSPORTATION: TYPE OF SIGNAL: CW, MCW, VOICE.																																						
			 <p style="text-align: center;">POWER UNIT PE-75</p> <p style="text-align: center;">RADIO SET AN/GRN-1 SHOWING COMPONENTS</p>			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																						
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO TRANSMITTER BC-901</td> <td>25"</td> <td>28"</td> <td>16"</td> <td>205 #</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>POWER UNIT PE-75</td> <td>36"</td> <td>19"</td> <td>27"</td> <td>330 #</td> <td>UNCLASSIFIED</td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>ABOUT 800 LBS.</td> <td>COMPLETE</td> </tr> <tr> <td colspan="6">COMBINED VOLUME OF COMPONENTS:</td> </tr> <tr> <td colspan="6">SHIP TONNAGE:</td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO TRANSMITTER BC-901	25"	28"	16"	205 #	UNCLASSIFIED	POWER UNIT PE-75	36"	19"	27"	330 #	UNCLASSIFIED	COMBINED WEIGHT OF COMPONENTS:				ABOUT 800 LBS.	COMPLETE	COMBINED VOLUME OF COMPONENTS:						SHIP TONNAGE:					
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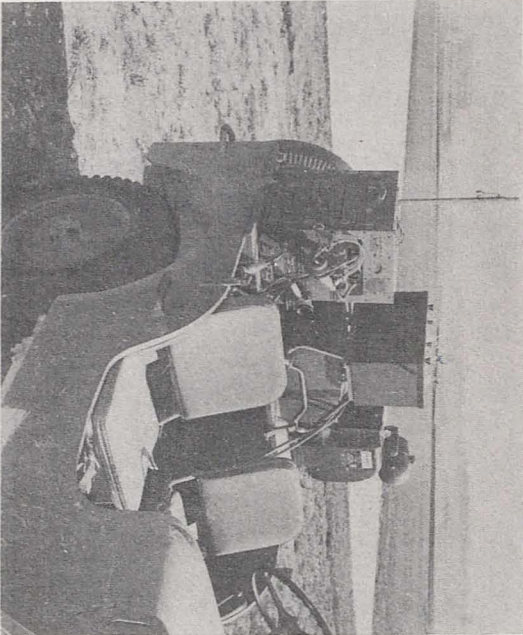
THIS SHEET IS CLASSIFIED: **RESTRICTED**

AN-MRN-1		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 3 JUL 42	INSTRUCTIONAL LITERATURE: AN-08-10-183 (HMI)
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 108.3-110.3 NUMBER OF CRYSTALS: ONE PRESET FREQUENCIES: ONE ANTENNA: FIVE ALFORD LOOPS IN SAME HORIZONTAL PLANE. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: 110 VOLTS 60 CYCLE AC GASOLINE ENGINE-DRIVEN MOTOR GENERATOR. SIMILAR SETS: AN/CRN-3. POWER OUTPUT: (WATTS) 25 TUBES: (TYPE AND NUMBER) 1-BC-751 TRANS: 4-807W; 3-HK257; 1-6H6; 1-6F6; 1-6SN7GT; 1-5V4G; 4-836; 2-VR-150-30. 1-BC-753 COURSE DETECTOR: 1-9002; 1-6SF5; 1-6K6GT; 1-6X5BT. 1-BC-754 COURSE DETECTOR: 1-1R5; 1-957; 2-1 LN 5; 1-1S5; 1-3S4. 1-BC-755 INDICATOR BOX: 2-1 S 5; 1-BC-777 INTENSITY METER: 1-6H6; 2-6SU7.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: TRANSMITS AND MONITORS A LOCALIZED BEAM FOR USE IN MAKING INSTRUMENT LANDING AFTER AIRCRAFT HAS ARRIVED IN THE VICINITY OF THE AIRPORT. RANGE: (MILES) 40 AT 2500 FT., 70 AT 6000 FT., 100 AT 10,000 FT. TO COMMUNICATE WITH: RC-103 TO REPLACE IN PART: SCR-241 TRANSPORTATION: TRUCK TYPE OF SIGNAL: CW AND MCW, AND VOICE.		CHANGE IN STATUS:	 <p>RADIO SET AN/MRN-1 INSTALLED IN TRUCK K-53</p> <p>COMPRISES EQUIPMENT FOR TRANSMITTING AND MONITORING A LOCALIZER BEAM WITH A USABLE RANGE OF 20 MILES FOR USE IN MAKING INSTRUMENT LANDINGS AFTER THE AIRPLANE HAS ARRIVED IN THE VICINITY OF THE AIRPORT. (AN/MRN-1 FURNISHED WITH TRUCK K-53. AN/CRN-3 DOES NOT INCLUDE TRUCK.)</p>		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)							
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION		
	HEIGHT	WIDTH	DEPTH				
RADIO TRANSMITTER EQUIPMENT RC-107 LOCALIZER TRANSMITTER EQUIPMENT CONSISTS OF : CONTROL BOX BC-915 RADIO TRANSMITTER BC-751 MODULATOR & BRIDGE BC-752 COURSE DETECTOR BC-753 (FIXED) COURSE DETECTOR BC-754 (PORTABLE) FIELD INTENSITY METER BC-755 INDICATOR BC-777 (ALARM) ANTENNA EQUIPMENT RC-109 RADIO SET SCR-610 HEATER M-321 MAINTENANCE PARTS & TOOLS SURVEYING INSTRUMENT CRYSTAL UNIT DC-8 VOLTMETER IS-175 (BALANCED R.F.) VOLTMETER IS-176 (UNBALANCED R.F.) TRUCK- K-53				800 # 550 # 300 # 80 # 25 # 25 # 70 # 450 # 135 # 100 # 500 # 60 # 11,700 #	RESTRICTED UNCLASSIFIED RESTRICTED RESTRICTED RESTRICTED RESTRICTED RESTRICTED RESTRICTED UNCLASSIFIED UNCLASSIFIED UNCLASSIFIED UNCLASSIFIED		
COMBINED WEIGHT OF COMPONENTS:				14,795 #			
COMBINED VOLUME OF COMPONENTS:	INSTALLED	IN K-53	TRUCK.	80-100 CU.FT.	APPROX.		
SHIP TONNAGE:							

THIS SHEET IS CLASSIFIED: **RESTRICTED**

INSTRUCTIONAL LITERATURE:	STATUS:	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	AN/MRN-2																		
	CHANGE IN STATUS:																					
 <p style="text-align: center;">Date 3-31-43 Neg. No. D 1285 R</p> <p style="text-align: center;">DEVELOPMENTAL MODEL OF RADIO SET AN/MRN-2 (LEFT SIDE VIEW. ANTENNAS SET UP READY FOR OPERATION)</p> <p style="text-align: center;">PHOTOGRAPHIC AND REPRODUCTION SECTION, AIRCRAFT RADIO LABORATORY, WRIGHT FIELD, O.</p>	PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 100 - 156 TUNES OVER 5 Mc. BAND. NUMBER OF CRYSTALS: UNDER DEVELOPMENT. PRESET FREQUENCIES: NOT YET DETERMINED. ANTENNA: VERTICALLY POLARIZED TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: 115 VOLT 60 CYCLE SINGLE PHASE. GENERATOR CAPACITY 2 KVA-AC AND 6 VOLT 20 AMP. DC. SIMILAR SETS: AN/CRN-5 POWER OUTPUT: (WATTS) CONE OF SILENCE 25 WATTS (ARL-117-1) RADIO TRANS. 100 WATTS CARRIER & 50 WATTS SIDE BAND ARL -119. TUBES: (TYPE AND NUMBER) <table style="margin-left: 20px;"> <tr> <td>1-6AC7</td> <td>4-6SN7GT</td> <td>2-829</td> </tr> <tr> <td>1-6B8</td> <td>2-6V6VT</td> <td>2-832</td> </tr> <tr> <td>3-6H6</td> <td>3-6X5GT</td> <td>6-836</td> </tr> <tr> <td>1-6J5</td> <td>1-1S5</td> <td>1-VR150</td> </tr> <tr> <td>2-6SJ7</td> <td>1-957</td> <td></td> </tr> <tr> <td>1-6SK7</td> <td>4-807</td> <td></td> </tr> </table>		1-6AC7	4-6SN7GT	2-829	1-6B8	2-6V6VT	2-832	3-6H6	3-6X5GT	6-836	1-6J5	1-1S5	1-VR150	2-6SJ7	1-957		1-6SK7	4-807		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: PORTABLE U.H.F. RADIO TWO COURSE AURAL RADIO RANGE WITH STATION IDENTIFICATION, PERIODIC QUADRANT IDENTIFICATION, AND SIMULTANEOUS PHONE TRANSMISSION. RANGE: (MILES) 80 TO COMMUNICATE WITH: SCR-522 TO REPLACE IN PART: SCR-277 TRANSPORTATION: TRUCK TYPE OF SIGNAL: CW; MCW, AND VOICE.	
	1-6AC7	4-6SN7GT	2-829																			
	1-6B8	2-6V6VT	2-832																			
3-6H6	3-6X5GT	6-836																				
1-6J5	1-1S5	1-VR150																				
2-6SJ7	1-957																					
1-6SK7	4-807																					
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																						
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION																
		HEIGHT	WIDTH	DEPTH																		
(NOT YET DEFINITELY DETERMINED)																						
COMBINED WEIGHT OF COMPONENTS:																						
COMBINED VOLUME OF COMPONENTS:																						
SHIP TONNAGE:																						

THIS SHEET IS CLASSIFIED: RESTRICTED

AN/MRN-3		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD 23 Oct 43		INSTRUCTIONAL LITERATURE:	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)				CHANGE IN STATUS:			
FREQUENCY RANGE: (M _c) 75 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ONE ANTENNA: ONE HORIZONTAL DIPOLE TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 110 V. 50 - 60 CYCLES A.C. POWER UNIT PE-88, OR POWER UNIT PE-214. SIMILAR SETS: POWER OUTPUT: (WATTS) ONE TUBES: (TYPE AND NUMBER) RC-115 Uses: 1-VT-74(5Z4); 2-VT-139 (VR-150-30); 1-VT-188 (7E6); 2-VT-189, (7F7); 1-7N7; 5-7C5. SCR-610: 1-BC-659-A; Uses: 5-1LN5; 2-1291; 4-1299; 1 1LH4; 1-1294; 1-LC6. 1 PE-117 Uses: 1 VR-90-30; 1 CK1005.				USE: TRANSMITS VERTICAL PATTERN TO BE RECEIVED BY RC-39, RC-43, RC-193, MARKING REFERENCE POINTS IN INSTRUMENT LANDING SYSTEM RANGE: 10,000 FEET, OVERHEAD. TO COMMUNICATE WITH: RC-39, RC-43, RC-193, RC193Z TO REPLACE IN PART: BC-302. TRANSPORTATION: JEEP. TYPE OF SIGNAL: CW; MCW.							
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)											
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION						
	HEIGHT	WIDTH	DEPTH								
MARKER BEACON TRANSMITTING EQUIPMENT RC-115	18"	12"	20"	37#	UNCLASSIFIED						
POWER UNIT PE-88 OR POWER UNIT PE-214 *				45#	RESTRICTED						
RADIO SET SCR-610					UNCLASSIFIED						
1/4-Ton 4 X 4 TRUCK ("JEEP")	72"	63"	132"								
					*PE-214 IS UNCLASSIFIED						
COMBINED WEIGHT OF COMPONENTS:				250# PLUS JEEP.							
COMBINED VOLUME OF COMPONENTS:											
SHIP TONNAGE:											

THIS SHEET IS CLASSIFIED: RESTRICTED

unclassified
 DOD DIR
 5200.9

THIS SHEET IS CLASSIFIED: **RESTRICTED**

(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

AN/TRA-1

INSTRUCTIONAL LITERATURE:

STATUS:

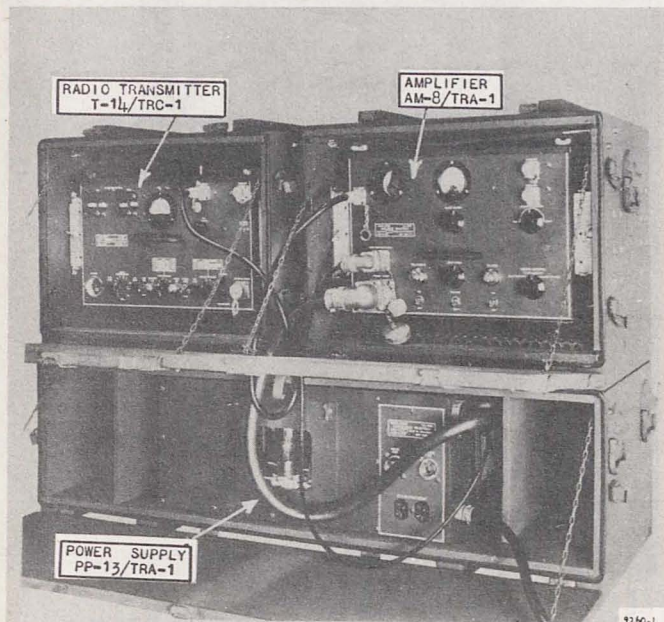
NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.

NOMENCLATURE DESIGNATION:

CHANGE IN STATUS:

PART A - TECHNICAL CHARACTERISTICS
(CLASSIFICATION: **RESTRICTED**)

PART B - TACTICAL CHARACTERISTICS
(CLASSIFICATION: **RESTRICTED**)



Radio Transmitter T-14/TRC-1, Amplifier AM-8/TRA-1, and Power Supply PP-13/TRA-1, Placement

RADIO SET AN/TRA-1 IS A 250-WATT RF AMPLIFIER EQUIPMENT FOR USE IN CONNECTION WITH THE RADIO TERMINAL SET AN/TRC-3, A RADIO RELAY SET AN/TRC-4, AND RADIO SET AN/TRC-1 TO INCREASE THE STRENGTH OF THE TRANSMITTED SIGNAL AND THE NORMAL OPERATION RANGE OF UNITS WITHIN THE RELAY SYSTEM. USED WITH BUT NOT PART OF: RADIO TERMINAL SETS AN/TRC-3; RADIO RELAY SET AN/TRC-4 AND RADIO SET AN/TRC-1.

FREQUENCY RANGE: (MO) 70 - 100

NUMBER OF CRYSTALS: NONE (AMPLIFIER UNIT)

PRESET FREQUENCIES: NONE

ANTENNA: 3 ELEMENT PARASITIC BEAM.

TUNING: (MO OR XTAL)

SENSITIVITY:

SELECTIVITY:

POWER SOURCE: POWER SUPPLY PP-13/TRA-1

SIMILAR SETS: NONE

POWER OUTPUT: (WATTS) 250

TUBES: (TYPE AND NUMBER) 2 HK-257-B

USE: ARMY GROUND FORCES; ARMY SERVICE FORCES.

RANGE: MINIMUM 25 MILES, MAXIMUM ACCORDING TO TERRAIN.

TO COMMUNICATE WITH: AN/TRC-1, AN/TRC-3, AN/TRC-4.

TO REPLACE IN PART: NONE

TRANSPORTATION: VEHICULAR

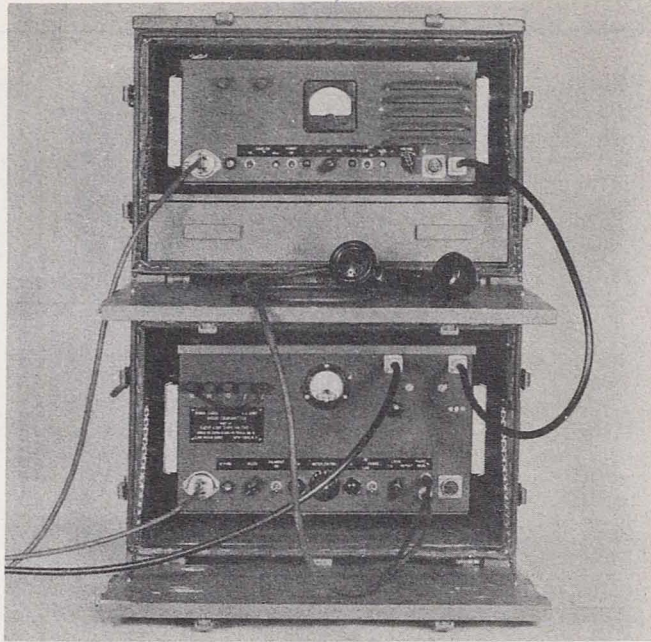
TYPE OF SIGNAL: FM

PART C - PRINCIPAL COMPONENTS
(CLASSIFICATION: **RESTRICTED**)

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
AMPLIFIER AM-8/TRA-1					RESTRICTED
POWER SUPPLY PP-13/TRA-1					UNCLASSIFIED
SPARE PARTS KIT MK-11/TRA-1					UNCLASSIFIED
FOR ANTENNA EQUIPMENT SEE BASIC SETS TRC-1, TRC-3 AND TRC-4.					
COMBINED WEIGHT OF COMPONENTS:					
COMBINED VOLUME OF COMPONENTS:					
SHIP TONNAGE:					

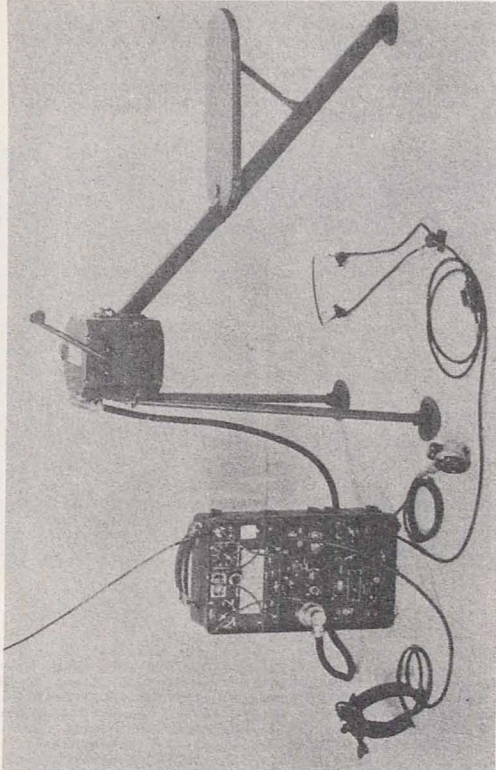
THIS SHEET IS CLASSIFIED: **RESTRICTED**

THIS SHEET IS CLASSIFIED: RESTRICTED

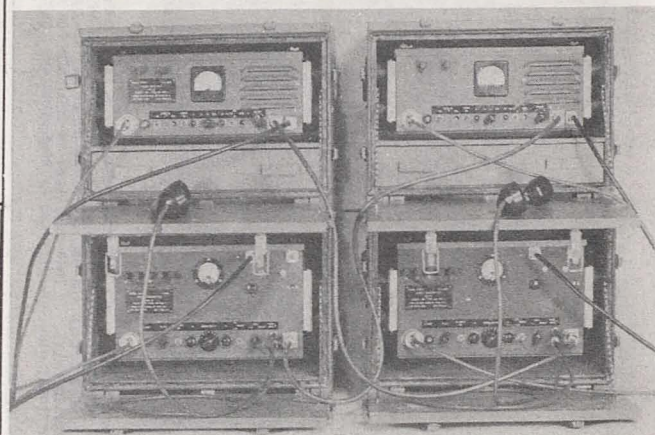
AN/TRC-1		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.			STATUS:	STANDARD 18 Oct 43	INSTRUCTIONAL LITERATURE:																
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)			CHANGE IN STATUS:																		
<p>FREQUENCY RANGE: (MC) 70 - 100</p> <p>NUMBER OF CRYSTALS: BANK OF 16 PER SET</p> <p>PRESET FREQUENCIES: ONE</p> <p>ANTENNA: 3 ELEMENT HORIZONTAL ON 40 FT. MAST.</p> <p>TUNING: (MO OR XTAL) XTAL</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 115/230 V, A.C., 50/60 CYCLES, SINGLE PHASE.</p> <p>SIMILAR SETS: AN/TRC-3 AN/TRC-4</p> <p>POWER OUTPUT: (WATTS) 50 ON VOICE</p> <p>TUBES: (TYPE AND NUMBER)</p> <table border="0"> <tr> <td>TRANS. T-14/TRC-1</td> <td>RECOVR. R-19/TRC-1</td> </tr> <tr> <td>1 6SL7GT</td> <td>7 7W7</td> </tr> <tr> <td>1 6AC7</td> <td>2 7C7</td> </tr> <tr> <td>1 6V6GT</td> <td>1 9K6</td> </tr> <tr> <td>1 6J5GT</td> <td>1 6SL7GT</td> </tr> <tr> <td>1 815</td> <td>1 6V6GT</td> </tr> <tr> <td></td> <td>1 6J5GT</td> </tr> <tr> <td></td> <td>1 6X5GT</td> </tr> </table>			TRANS. T-14/TRC-1	RECOVR. R-19/TRC-1	1 6SL7GT	7 7W7	1 6AC7	2 7C7	1 6V6GT	1 9K6	1 6J5GT	1 6SL7GT	1 815	1 6V6GT		1 6J5GT		1 6X5GT	<p>USE: AIR FORCES, SIGNAL CORPS.</p> <p>RANGE: (MILES) 25</p> <p>TO COMMUNICATE WITH: AN/TRC-1</p> <p>TO REPLACE IN PART: F.M. LINK CO. COMMERCIAL MODEL 1498.</p> <p>TRANSPORTATION: VEHICLE</p> <p>TYPE OF SIGNAL: F.M.</p>					
TRANS. T-14/TRC-1	RECOVR. R-19/TRC-1																							
1 6SL7GT	7 7W7																							
1 6AC7	2 7C7																							
1 6V6GT	1 9K6																							
1 6J5GT	1 6SL7GT																							
1 815	1 6V6GT																							
	1 6J5GT																							
	1 6X5GT																							
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																								
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																			
	HEIGHT	WIDTH	DEPTH																					
TRANS. T-14/TRC-1	SEE REMARKS			64#	RESTRICTED																			
RECOVR. R-19/TRC-1	SEE REMARKS			42#	RESTRICTED																			
POWER UNIT PE-75					UNCLASSIFIED																			
ANTENNA AS-19/TRC-1					RESTRICTED																			
COMBINED WEIGHT OF COMPONENTS:																								
COMBINED VOLUME OF COMPONENTS:																								
SHIP TONNAGE:																								

RADIO RECEIVER R-19/TRC-1, AND RADIO TRANSMITTER T-14/TRC-1
PART OF RADIO SET AN/TRC-1

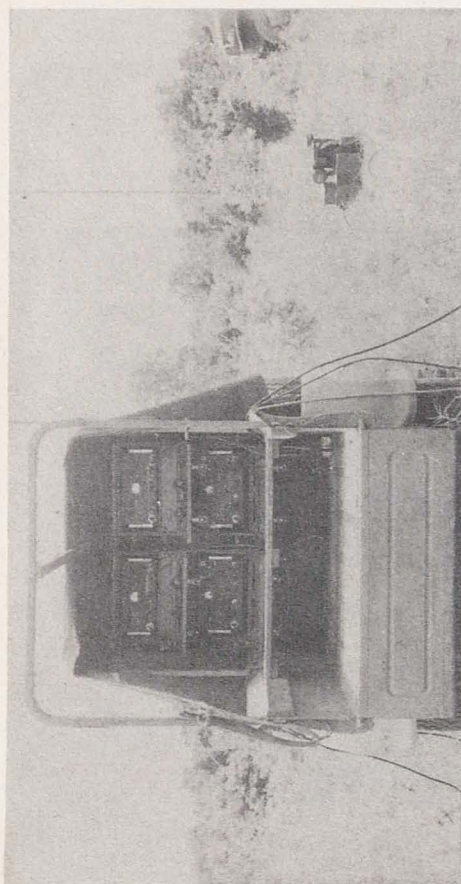
TRANSMITTER AND RECEIVER ARE EACH HOUSED IN SEPARATE CARRYING CASES. TRANSMITTER CASE WEIGHS 32 LBS. RECEIVER CASE WEIGHS 48-1/2 LBS., INCLUDING CABLES, SPARE TUBES, TOOLS ETC. EACH CASE MEASURES 22-3/4" x 16-1/2" x 19-1/4". RADIO TERMINAL SET AN/TRC-3 AND RADIO RELAY SET AN/TRC-4 EMPLOY SAME RECEIVER AND TRANSMITTER AS AN/TRC-1 IN A RADIO RELAY SYSTEM ARRANGEMENT USED FOR SPECIAL PURPOSES.

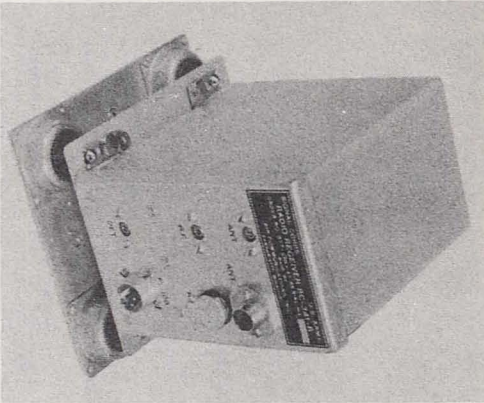
INSTRUCTIONAL LITERATURE:	STATUS:	STANDARD 25 Aug 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: AN/TRC-2									
	CHANGE IN STATUS:		<p align="center">PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>FREQUENCY RANGE: (MO) 2 - 6.5 (BC-1306-3.8-6.5); RT-12/TRC-2 (2-3.5)</p> <p>NUMBER OF CRYSTALS: 6 PER SET</p> <p>PRESET FREQUENCIES:</p> <p>ANTENNA: A CHOICE; 2 INVERTED L TYPE WITH COUNTER- POISE OR $\frac{1}{2}$ WAVE HORIZONTAL.</p> <p>TUNING: (MO OR XTAL) MO AND XTAL</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: HAND GENERATOR GN-53 OR POWER UNIT PE-162</p> <p>SIMILAR SETS: SCR-694</p> <p>POWER OUTPUT: (WATTS) 30 ON A-1; 6 ON A-3</p> <p>TUBES: (TYPE AND NUMBER)</p> <table border="0"> <tr><td>4-1L4</td><td>2-304</td></tr> <tr><td>4-1R5</td><td>2-2E22</td></tr> <tr><td>2-1S5</td><td>2-VR105</td></tr> <tr><td>4-3A4</td><td></td></tr> </table>		4-1L4	2-304	4-1R5	2-2E22	2-1S5	2-VR105	4-3A4		<p align="center">PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>USE: SPECIAL, LONG RANGE, MAN PACK SET FOR COM- MUNICATION FROM ISOLATED UNITS TO HEAD- QUARTERS.</p> <p>RANGE: APPROXIMATELY 100 MILES ON CW</p> <p>TO COMMUNICATE WITH: SCR-299; SCR-694</p> <p>TO REPLACE IN PART: NONE.</p> <p>TRANSPORTATION: MAN PACK, REQUIRES 12 TO 14 MEN.</p> <p>TYPE OF SIGNAL: A-1; A-3 (AM)</p>
4-1L4	2-304												
4-1R5	2-2E22												
2-1S5	2-VR105												
4-3A4													
 <p align="center">BASIC COMPONENTS OF RADIO SET AN/TRC-2. SET UP FOR FIELD OPERATION SHOW- ING GENERATOR AND STEEL TOWER ANTENNA. TWO IDENTICAL TRANSMITTER-RECEIVER UNITS OF THE TYPE PICTURED ARE USED WITH RADIO SET AN/TRC-2. DIFFERENCES IN FREQUENCY COVERAGE ONLY. THIS EQUIPMENT IS DESIGNED FOR RESISTANCE TO TROPICAL CONDITIONS; HIGH HUMIDITY AND EXTREME HIGH AND LOW TEMPERATURE.</p>		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)											
		ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION						
			HEIGHT	WIDTH	DEPTH								
		TRANS. & REC. RT-12/TRC-2					RESTRICTED						
		TRANS. & REC. BC-1306					RESTRICTED						
HAND GENERATOR GN-53					UNCLASSIFIED								
GASOLINE ENGINE DRIVEN GEN. PE-162					UNCLASSIFIED								
COMBINED WEIGHT OF COMPONENTS:													
COMBINED VOLUME OF COMPONENTS:													
SHIP TONNAGE:													

AN/TRC-3		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	INSTRUCTIONAL LITERATURE:									
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 70-100 MEGACYCLES (300 CHANNELS) NUMBER OF CRYSTALS: 964 (BANK OF 900 ON 300 FREQUENCIES PLUS 64 CRYSTALS ON 16 "BASIC" FREQUENCIES.) PRESET FREQUENCIES: ONE. ANTENNA: 3 ELEMENT HORIZONTAL ARRAY. TUNING: (MO OR XTAL)XTAL(RECEIVER AND TRANSMITTER) SENSITIVITY: SELECTIVITY: POWER SOURCE: 115 VOLT AC, 60 CYCLE, SINGLE PHASE, (POWER UNIT PE-75) SIMILAR SETS: AN/TRC-1, AN/TRC-4 POWER OUTPUT: (WATTS) 50 TUBES: (TYPE AND NUMBER) <table border="0"> <tr><td>5-6AC7</td><td>3-6SN7GT</td></tr> <tr><td>2-6H6</td><td>5-6V6GT</td></tr> <tr><td>8-6SH7</td><td>1-6X5GT</td></tr> <tr><td>2-5R4GY</td><td>1-829</td></tr> <tr><td>3-6SL7GT</td><td></td></tr> </table>		5-6AC7	3-6SN7GT	2-6H6	5-6V6GT	8-6SH7	1-6X5GT	2-5R4GY	1-829	3-6SL7GT		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: ARMY GROUND FORCES, ARMY SERVICE FORCES. RANGE: 25-33 MILES, OR MORE ACCORDING TO TERRAIN AND USE OF AMPLIFIER EQUIPMENT AN/TRA-1. TO COMMUNICATE WITH: AN/TRC-1, AN/TRC-4 AND F.M. LINK MODEL 1498, 1505. TO REPLACE IN PART: NONE TRANSPORTATION: VEHICULAR TYPE OF SIGNAL: A-3 (FM)		CHANGE IN STATUS:	
5-6AC7	3-6SN7GT														
2-6H6	5-6V6GT														
8-6SH7	1-6X5GT														
2-5R4GY	1-829														
3-6SL7GT															
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)					THE TWO RADIO RECEIVERS, R-19/TRC-1 AND TRANSMITTERS, T-14/TRC-1, IN CHESTS AS PICTURED BELOW, ARE PROPER COMPONENTS FOR RADIO SET AN/TRC-3, BUT THE CORDING SHOWN IS NOT THAT USED TO PERFORM THE FUNCTIONS OF AN/TRC-3. RADIO TERMINAL SET AN/TRC-3 IS USED WITH, AND CONNECTIONS ARE NORMALLY MADE TO, CARRIER TELEPHONE TERMINAL EQUIPMENT TC-21, AND/OR CARRIER TELEGRAPH TERMINAL EQUIPMENT TC22 FOR MULTI-CHANNEL CARRIER COMMUNICATION SYSTEMS										
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION										
	HEIGHT	WIDTH	DEPTH												
2 TRANSMITTER T-14/TRC-1					RESTRICTED										
2 RECEIVER R-19/TRC-1					RESTRICTED										
2 ANTENNA SYSTEM AS-19/TRC-1					RESTRICTED										
3 POWER UNIT PE-75					UNCLASSIFIED										
1 MAINTENANCE EQUIPMENT MK-5/TRC-3					RESTRICTED										
COMBINED WEIGHT OF COMPONENTS:															
COMBINED VOLUME OF COMPONENTS:															
SHIP TONNAGE:															

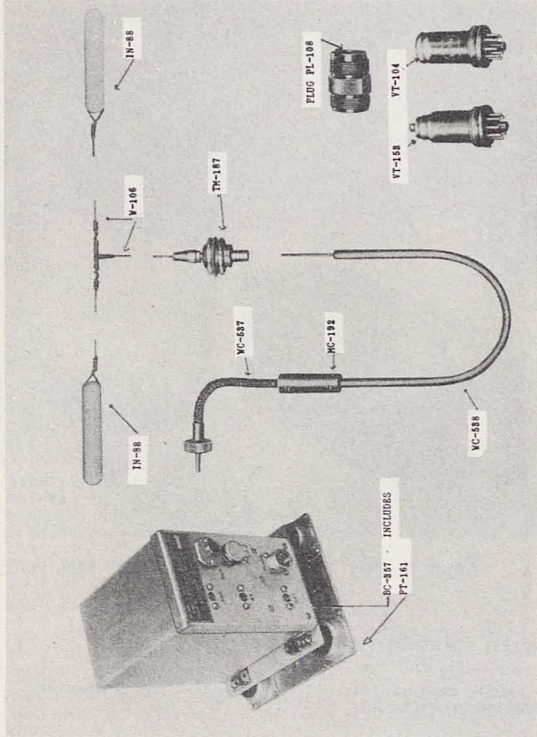


RADIO SET AN/TRC-3 IS A 50 WATT, FM, RADIO RECEIVING AND TRANSMITTING TERMINAL STATION OF A RADIO RELAY MULTI OR SINGLE-CHANNEL COMMUNICATION SYSTEM WITH OR WITHOUT CARRIER EQUIPMENT TC-21 AND TC-22 (NOT A PART OF AN/TRC-3) TWO RADIO TERMINAL SETS, AN/TRC-3 CONSTITUTE THE MINIMUM REQUIREMENTS FOR A MULTI-CHANNEL COMMUNICATION SYSTEM. WHERE DISTANCE BETWEEN THE TWO IS TOO GREAT FOR SINGLE JUMP OPERATION, RADIO RELAY SETS AN/TRC-4 ARE PLACED AT INTERMEDIATE POINTS, AS REQUIRED. RADIO SETS AN/TRC-3 AND AN/TRC-4 ARE SUPPLIED WITH SUFFICIENT STANDBY EQUIPMENT TO ASSURE 24-HOUR CONTINUOUS OPERATION.

INSTRUCTIONAL LITERATURE:	STATUS:	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	AN/TRC-4	
	CHANGE IN STATUS:				
 <p>PHOTOGRAPH SHOWS SOME OF THE COMPONENTS OF RADIO RELAY SET AN/TRC-4, THE SET BEING HOUSED IN WEAPONS CARRIER, FOR FIXED OPERATION. THIS PHOTOGRAPH, HOWEVER, DOES NOT SHOW NORMAL STANDBY EQUIPMENT TO PROVIDE 24-HOUR CONTINUOUS OPERATION. ILLUSTRATED INSTALLATION IN WEAPONS CARRIER SHOULD NOT BE CONSTRUED AS NORMAL PRACTICE.</p> <p>AN/TRC-4 IS A 50 WATT, FM RADIO RECEIVING AND TRANSMITTING EQUIPMENT FOR USE AS A REPEATER STATION IN A RADIO RELAY, MULTI, OR SINGLE-CHANNEL COMMUNICATION SYSTEM. AUDIO CHARACTERISTICS: FLAT RESPONSE 200-12,000 CPS. THIS SET HAS STANDBY EQUIPMENT FOR 24-HOUR CONTINUOUS OPERATION.</p>	<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>FREQUENCY RANGE: (MC) 70-100 (300 CHANNEL)</p> <p>NUMBER OF CRYSTALS: 96 WITH SET, ON 16 "BASIC" FREQUENCIES. FOR ADDITIONAL CRYSTALS, SEE CASE CY-44/TRC-1 CONTAINING 900 CRYSTALS, (PART OF RADIO TERMINAL SET AN/TRC-3)</p> <p>PRESET FREQUENCIES: ONE</p> <p>ANTENNA: 3 ELEMENT HORIZONTAL ARRAY.</p> <p>TUNING: (MO OR XTAL) XTAL (RECEIVER & TRANSMITTER)</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 115 VOLT AC 60 CYCLE, SINGLE PHASE (POWER UNIT PE-75)</p> <p>SIMILAR SETS: AN/TRC-1, AN/TRC-3</p> <p>POWER OUTPUT: (WATTS) 50</p> <p>TUBES: (TYPE AND NUMBER) 10-6AC7 4-5R4GY 10-6V6GT 4-6H6 5-6SL7GT 2-6X5GT 15-6SH7 5-6SN7GT 2-829</p>	<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>USE:</p> <p>RANGE: 25-33 MILES (OR MORE ACCORDING TO TERRAIN AND USE OF AMP. AN/TRA-1)</p> <p>TO COMMUNICATE WITH: AN/TRC-1, AN/TRC-3 (AND F.M. LINK TYPE 1498 OR 1505)</p> <p>TO REPLACE IN PART: NONE</p> <p>TRANSPORTATION: VEHICULAR</p> <p>TYPE OF SIGNAL: A-3 (FM)</p>			
	PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)				
	ITEM	DIMENSIONS	WEIGHT	CLASSIFICATION	
		HEIGHT	WIDTH	DEPTH	
3 TRANSMITTER T-14/TRC-1				RESTRICTED	
3 RECEIVER R-19/TRC-1				RESTRICTED	
4 ANTENNA SYSTEM AS-19/TRC-1				RESTRICTED	
3 POWER UNIT PE-75				UNCLASSIFIED	
1 MAINTENANCE EQUIPMENT MK-6/TRC-4				RESTRICTED	
COMBINED WEIGHT OF COMPONENTS:					
COMBINED VOLUME OF COMPONENTS:					
SHIP TONNAGE:					

RC-39		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD 25 Oct 39		INSTRUCTIONAL LITERATURE: (HMI) 08-10-29			
		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 62 to 80 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: 75 Mc. ANTENNA: 1/2 WAVE ANTENNA TUNING: (MO OR XTAL) SENSITIVITY: ABOUT 2000 MICROVOLTS/METER SELECTIVITY: POWER SOURCE: 12 VOLTS FROM AIRCRAFT BATTERY AND HIGH VOLTAGE FROM RADIO COMPASS. SIMILAR SETS: RC-43 POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) (1) VT-53 (1) VT-104				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: TO RECEIVE 75 Mc. MARKER BEACON SIGNALS. RANGE: TO COMMUNICATE WITH: RC-115, AN/MRN-3 TO REPLACE IN PART: RC-20 TRANSPORTATION: AIRBORNE TYPE OF SIGNAL: M. C. W.				CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)													
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION							
		HEIGHT	WIDTH	DEPTH									
RADIO RECEIVER BC-341		5 3/8 "	5 3/8 "	3 7/16 "	2.65 #	UNCLASSIFIED							
COMBINED WEIGHT OF COMPONENTS:					4.50 #								
COMBINED VOLUME OF COMPONENTS:					1 CU.FT.								
SHIP TONNAGE:													

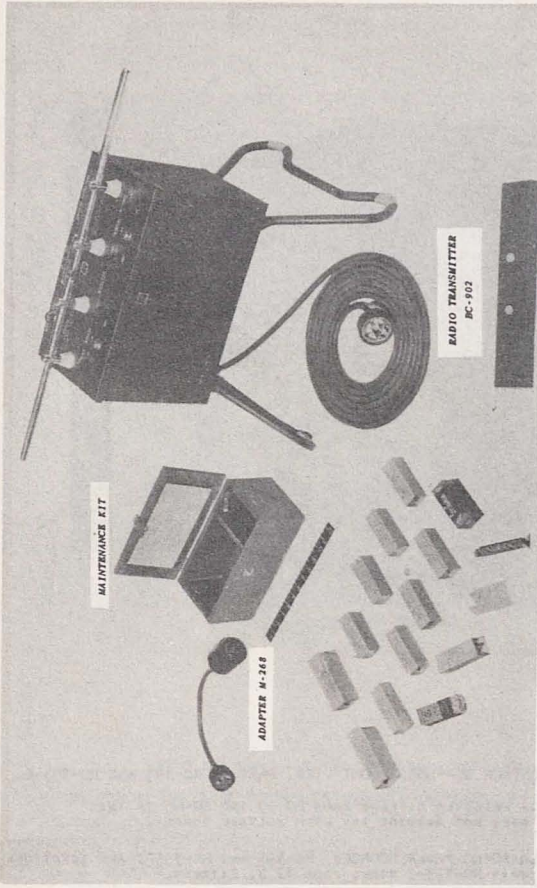
RADIO RECEIVER BC-311

INSTRUCTIONAL LITERATURE: (HMI) 08-10-29	STATUS:	STANDARD 31 Oct 39	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: <h1>RC-43</h1>			
CHANGE IN STATUS:							
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">MARKER BEACON RECEIVING EQUIPMENT RC-43, COMPONENTS</p>			<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (Mo) 62 to 80 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: 75 Mc. ANTENNA: 1/2 WAVE ANTENNA TUNING: (MO OR XTAL) SENSITIVITY: ABOUT 2000 MICROVOLTS/METER SELECTIVITY: POWER SOURCE: 24 VOLTS FROM AIRCRAFT BATTERY AND HIGH VOLTAGE FROM RADIO COMPASS. SIMILAR SETS: RC-39 POWER OUTPUT: (WATTS) NONE TUBES: (TYPE AND NUMBER) (1) VT - 153 (1) VT - 104</p>		<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: TO RECEIVE 75 Mc. MARKER BEACON SIGNALS.</p> <p>RANGE: TO COMMUNICATE WITH: RC-115, AN/MRN-3 TO REPLACE IN PART: RC-20 TRANSPORTATION: AIRBORNE TYPE OF SIGNAL: M.C.W.</p>		
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)				
			ITEM		DIMENSIONS		
RADIO RECEIVER BC-357		HEIGHT	WIDTH	DEPTH	2.65 #	UNCLASSIFIED	
COMBINED WEIGHT OF COMPONENTS:					4.50 #		
COMBINED VOLUME OF COMPONENTS:							
SHIP TONNAGE:							

THIS SHEET IS CLASSIFIED: RESTRICTED

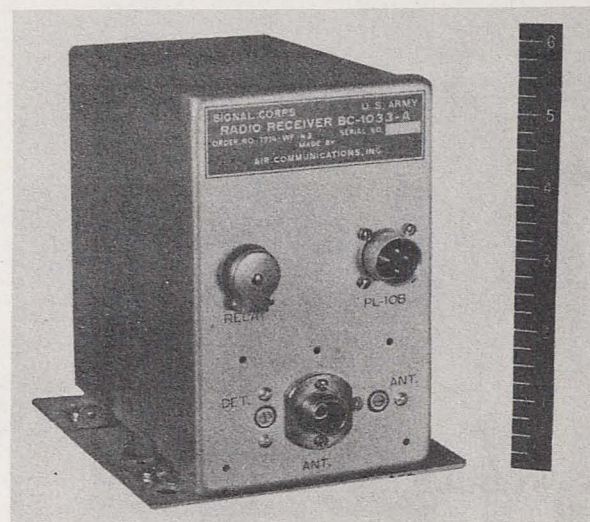
RC-103		NOMENCLATURE DESIGNATION			NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD 4 MAR 43		INSTRUCTIONAL LITERATURE: TO 08-10-104, AND AN 08-10-187 (ON RC-103-A)		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 108.3-110.3 NUMBER OF CRYSTALS: 3-6 PRESET FREQUENCIES: 3-6 ANTENNA: AN-100 OR AS-27/ARN-5 TUNING: (MO OR XTAL) XTAL SENSITIVITY: 20mv/METER SELECTIVITY: 6DB DOWN AT 130 KC BANDWIDTH POWER SOURCE: 12 OR 24 V. AIRCRAFT BATTERY SIMILAR SETS: NONE POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 1 VT-104 (12SQ7) 2 VT-133 (12SR7) 1 VT-134 (12A6) 1 VT-207 (12AH7-GT) 2 VT-209 (12SG7) 3 VT-269 (WE-717A)				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: AIRBORNE LOCALIZER RECEIVER FOR AZIMUTH GUIDANCE OF PILOT IN INSTRUMENT APPROACH OR LANDING. RANGE: LINE OF SIGHT TO COMMUNICATE WITH: AN/MRN-1, AN/CRN-3, AN/CRN-7. TO REPLACE IN PART: NONE TRANSPORTATION: AIRBORNE TYPE OF SIGNAL: CW, MCW, SIMULTANEOUS VOICE.				CHANGE IN STATUS:					
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)													
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION								
	HEIGHT	WIDTH	DEPTH										
RECEIVER BC-733	7 3/32"	5"	13 3/8"	21.1#	RESTRICTED								
CONTROL BOX BC-732	2 5/8 "	3 9/32"	3"	.56#	RESTRICTED								
DYNAMOTOR DM-53(24V.) OR DM-53Z (12V.)	3 1/8 "	2 3/4 "	5"	3.#	RESTRICTED								
COMBINED WEIGHT OF COMPONENTS:					ABOUT	30 LBS							
COMBINED VOLUME OF COMPONENTS:													
SHIP TONNAGE:													

THIS SHEET IS CLASSIFIED: RESTRICTED

INSTRUCTIONAL LITERATURE: (HMI)AN-08-10-176 (On RC-115-A)	STATUS: CHANGE IN STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	<h1>RC-115</h1>																																		
 <p style="writing-mode: vertical-rl; transform: rotate(180deg); position: absolute; left: 395px; top: 360px;">COMPONENTS OF MARKER BEACON TRANSMITTING EQUIPMENT RC-115-A</p>			<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (Mo) NONE</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES: 75 MC.</p> <p>ANTENNA: ONE DIPOLE</p> <p>TUNING: (MO OR XTAL) MO</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 115 V 50-60 CYCLES 110 WATTS</p> <p>SIMILAR SETS: NONE</p> <p>POWER OUTPUT: (WATTS) ONE</p> <p>TUBES: (TYPE AND NUMBER)</p> <table border="0" style="margin-left: 20px;"> <tr><td>1</td><td>VT-7L</td><td>(5Z4)</td></tr> <tr><td>2</td><td>VT-139</td><td>(VR-150-30)</td></tr> <tr><td>1</td><td>VT-188</td><td>(7E6)</td></tr> <tr><td>2</td><td>VT-189</td><td>(7F7)</td></tr> <tr><td>1</td><td></td><td>7N7</td></tr> <tr><td>5</td><td></td><td>705</td></tr> </table>	1	VT-7L	(5Z4)	2	VT-139	(VR-150-30)	1	VT-188	(7E6)	2	VT-189	(7F7)	1		7N7	5		705	<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: MARKER BEACON TRANSMITTER TO INDICATE SPOT ON GROUND TO AIRCRAFT. USED IN BLIND APPROACH OR INSTRUMENT LANDING.</p> <p>RANGE: 10,000 FEET STRAIGHT UP.</p> <p>TO COMMUNICATE WITH: RC-39, RC-43, RC-193, RC-193Z, AN/ARN-8.</p> <p>TO REPLACE IN PART: BC-302</p> <p>TRANSPORTATION: PLANE OR ANY VEHICLE.</p> <p>TYPE OF SIGNAL: CW, MCW-400, 1300, 3000 CYCLES KEYED 6 DOTS PER SECOND OR 2 DASHES PER SECOND.</p>																
			1	VT-7L	(5Z4)																																	
2	VT-139	(VR-150-30)																																				
1	VT-188	(7E6)																																				
2	VT-189	(7F7)																																				
1		7N7																																				
5		705																																				
<p>PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)</p>																																						
<table border="1" style="width: 100%;"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO TRANSMITTER BC-902</td> <td>22"</td> <td>31"</td> <td>18"</td> <td>51#</td> <td>RESTRICTED</td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td>51#</td> <td></td> </tr> <tr> <td>COMBINED VOLUME OF COMPONENTS:</td> <td></td> <td></td> <td>7.5 CU. FT.</td> <td></td> <td></td> </tr> <tr> <td>SHIP TONNAGE:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO TRANSMITTER BC-902	22"	31"	18"	51#	RESTRICTED	COMBINED WEIGHT OF COMPONENTS:				51#		COMBINED VOLUME OF COMPONENTS:			7.5 CU. FT.			SHIP TONNAGE:								
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																	
	HEIGHT	WIDTH	DEPTH																																			
RADIO TRANSMITTER BC-902	22"	31"	18"	51#	RESTRICTED																																	
COMBINED WEIGHT OF COMPONENTS:				51#																																		
COMBINED VOLUME OF COMPONENTS:			7.5 CU. FT.																																			
SHIP TONNAGE:																																						

THIS SHEET IS CLASSIFIED: RESTRICTED

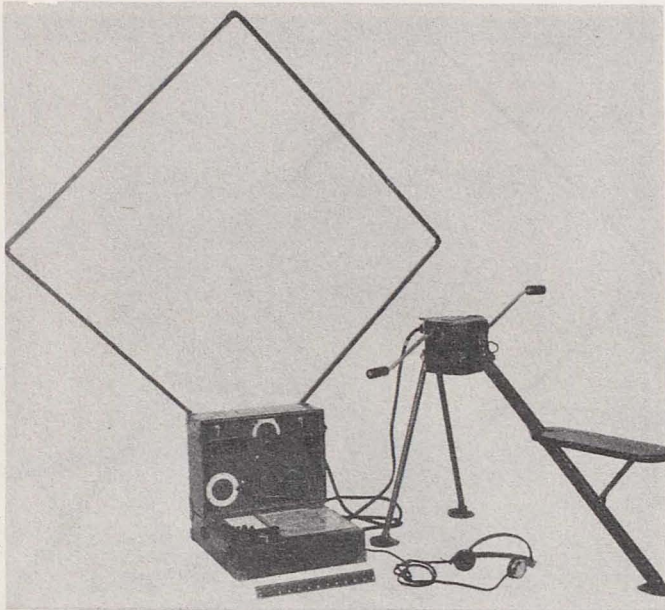
RC-193, 193-Z		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		INSTRUCTIONAL LITERATURE: (HMI) AN-08-10-194			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 75 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: (Mc) 75 ANTENNA: 1/2 WAVE TUNING: (MO OR XTAL) NONE SENSITIVITY: ABOUT 2000 MICROVOLTS/METER SELECTIVITY: POWER SOURCE: LOW AND HIGH VOLTAGE SUPPLIED BY AIRPLANE 24 V. BATTERY. SEE NOTE* SIMILAR SETS: RC-39, RC-43 POWER OUTPUT (WATTS) TUBES: (TYPE AND NUMBER) (1) 6SH7 (1) 6SL7-GT(VT-229) (1) 12SN7-GT				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: TO RECEIVE 75 Mc MARKER BEACON SIGNALS. RANGE: DOES NOT APPLY. TO COMMUNICATE WITH: RC-115, AN/MRN-3 TO REPLACE IN PART: RC-39, RC-43 TRANSPORTATION: AIRBORNE TYPE OF SIGNAL: M.C.W.				CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)											
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION					
		HEIGHT	WIDTH	DEPTH							
RADIO RECEIVER BC-1023 & 1033		5 3/8"	5 3/8"	3 7/16"	2.47#	RESTRICTED					
COMBINED WEIGHT OF COMPONENTS:					3.17#						
COMBINED VOLUME OF COMPONENTS:					.5 CU.FT.						
SHIP TONNAGE:					4.5 LBS. (APPROX.)						



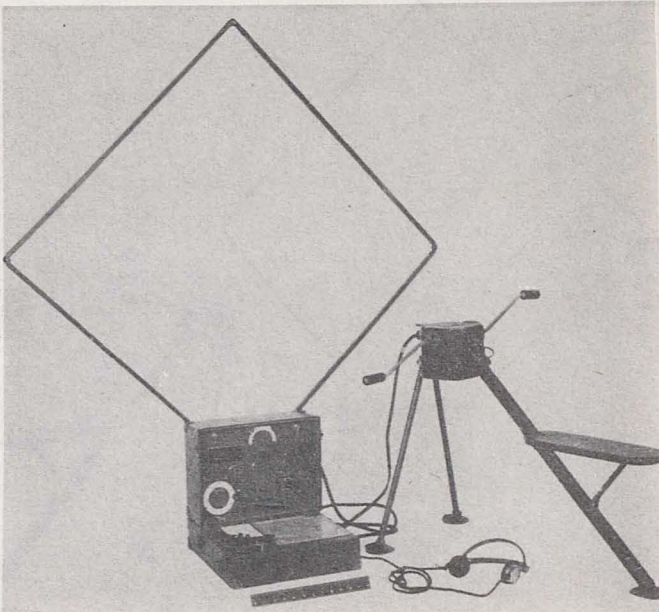
RADIO RECEIVER BC-1033, FRONT VIEW. PART OF RC-193 AND RC-193-Z.

THIS RECEIVER DIFFERS FROM RC-39 AND RC-43 IN THAT IT DOES NOT REQUIRE ANY HIGH VOLTAGE SUPPLY.

* NOTE REGARDING POWER SOURCE: RC-193 AND RC-193-Z ARE IDENTICAL EXCEPT THAT RC-193-Z WORKS FROM 12 V. BATTERY.

INSTRUCTIONAL LITERATURE: TM-11-237	STATUS:	OBSELETE 1 FEB 44	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		NOMENCLATURE DESIGNATION:		SCR-131		
	CHANGE IN STATUS:								
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)			
			<p>FREQUENCY RANGE: TRANSMITTER 3.96 to 4.36. (Mc)</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES: NONE</p> <p>ANTENNA: LOOP LP-7</p> <p>TUNING: (MO OR CRYSTAL): MO</p>			<p>USE: USED BY INFANTRY, ARMORED FORCE FOR COMMAND COMMUNICATION BETWEEN BRIGADE AND REGIMENTS AND BATTALIONS OF THE INFANTRY DIVISION. ON GROUND: INF, BHD, Co., REET HQ Co., BN., SEC COM PLAT.</p>			
			<p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: TRANSMITTER: HAND GENERATOR 10x400v. RECEIVER: DRY BATTERY 4½ & 45 v.</p> <p>SIMILAR SETS: SCR-161 (DIFFERENT FREQUENCY)</p> <p>POWER OUTPUT: 5 WATTS</p> <p>TUBES: (TYPE AND NUMBER) 1 - TYPE 10 VT-25 3 - TYPE 86½ VT-24</p>			<p>RANGE: 5 MILES.</p> <p>TO COMMUNICATE WITH: SCR-131, SCR-193, SCR-245 AND SCR-288.</p> <p>TO REPLACE IN PART: SCR-77-B</p> <p>TRANSPORTATION: CARRIED BY VEHICLE, OR 2-MAN PACK.</p> <p>TYPE OF SIGNAL: CW ONLY.</p>			
						PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)			
			ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
					HEIGHT	WIDTH	DEPTH		
			TRANSMITTER & RECEIVER, BC-148					22#	
			HAND GENERATOR, GN-35					20-1/4#	
			ANTENNA LOOP, LP-7					1-5/8#	
			COMBINED WEIGHT OF COMPONENTS:					76#	
			COMBINED VOLUME OF COMPONENTS:					6 Cu. Ft.	
			SHIP TONNAGE:					90#	

RADIO SET SCR -131 IN OPERATING POSITION
LOW POWER, PORTABLE COMMUNICATION SET, REPLACED BY SCR-284

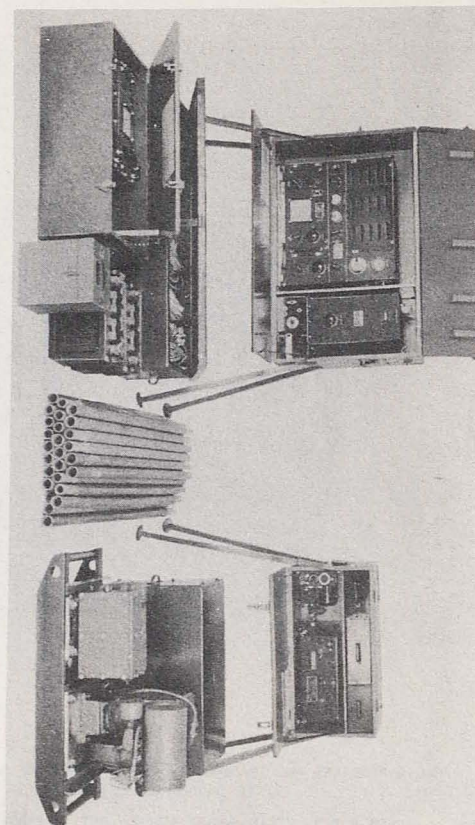
<h1>SCR-161</h1>		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	OBSOLETE 1 Feb 44	INSTRUCTIONAL LITERATURE:	
						CHANGE IN STATUS:			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) TRANS. 4.37 TO 5.1. NUMBER OF CRYSTALS: NONE ANTENNA: LOOP LP-7 TUNING: (MO OR XTAL): MO SENSITIVITY: SELECTIVITY: POWER SOURCES: TRANS.- HAND GENERATOR RECV.- DRY BATTERY 4-1/2 & 45 v. SIMILAR SOURCE: SCR-131 (DIFFERENT FREQUENCY) POWER OUTPUT: (WATTS) 5 TUBES: (TYPE AND NUMBER) 1 BC-151 TRANS.-RECVR. 1 - TYPE 10 VT-25 3 - TYPE 864 VT-24			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: USED BY FIELD ARTILLERY. COMMAND COMMUNICATION BETWEEN DIV. ARTILLERY AND REGIMENT AND FROM REGIMENT TO BATTALIONS. ALSO USED FOR LIAISON PURPOSES BETWEEN ARTILLERY UNITS. ON GROUND: BHQ. LT. MED. & HVY. REGT. HQ. BM. HQ. RANGE: (MILES) 5 TO COMMUNICATE WITH: SCR-161, SCR-288 AND SCR-245. TO REPLACE IN PART: SCR-77-B AND 105. TRANSPORTATION: CARRIED IN VEHICLE, TWO-MAN PACK, OR HORSE PACK. TYPE OF SIGNAL: CW ONLY.						
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)									
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION			
		HEIGHT	WIDTH	DEPTH					
1 RADIO RECEIVER & TRANSMITTER BC-151					22 #	UNCLASSIFIED			
1 HAND GENERATOR GN-35					20 1/4#	UNCLASSIFIED			
1 ANTENNA LOOP LP-7					1 5/8#	UNCLASSIFIED			
COMBINED WEIGHT OF COMPONENTS:					76#				
COMBINED VOLUME:					6 cu. Ft.				
SHIP TONNAGE:					90#				

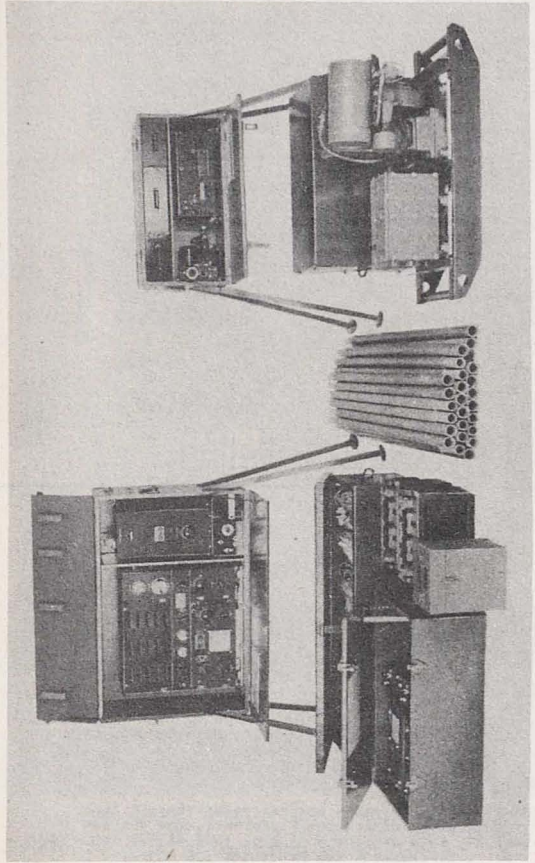
RADIO SET SCR-161 IN OPERATING POSITION
 LOW POWER, PORTABLE COMMUNICATION SET, REPLACED BY SCR-288

SCR-177		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 26 Dec 33	INSTRUCTIONAL LITERATURE: TM 11-232
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mo) TRANS: $\frac{1}{4}$ TO $\frac{1}{8}$; 1.5 TO 4.5 RECVR: $\frac{1}{4}$ TO 1.0; 1.5 TO 4.5. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: CROW-FOOT $\frac{1}{4}$ TO $\frac{1}{8}$ Mo./1.5 TO 4.5; INVERTED "L". AN-21-A, 22-A, 23, 25, 26, & 27. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: TRANS. BC-191-A. RECVR. BD-AA-69; BD-AB-69; BD-AC-69; BD-AD-69; BD-AE-69; WITH 12- V. STORAGE BATTERY. SIMILAR SETS: SCR-188 POWER OUTPUT: (WATTS) 75 AT 85% Mod. TUBES: (TYPE AND NUMBER) TUBE CONTENT OF 177-A: 1 BC-189-A; 3 36; 1 38; 4 39/44. 1 BC-191-A: 1 10; 4 211.			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: <u>Sig C:</u> Sig Bn, Div Sig Co, R.I. Co, AA Regt Hq, AA Bn Hq Co. <u>CAC:</u> (TD) BHQ, Regt Hq, Bn Hq. <u>BY ARTY:</u> (HD) BHQ, Regt Hq, Bn Hq, BTRY (LTRD) AC. RANGE: (MILES) CW-100; TONE-70; VOICE-30. TO COMMUNICATE WITH: SCR-177-B; SCR-187; SCR-193; SCR-238; SCR-287. TO REPLACE IN PART: SCR-132-A; SCR-136. TRANSPORTATION: CARRIED IN VEHICLE OPERATED ON GROUND. TYPE OF SIGNAL: CW; TONE; VOICE; A.M.		CHANGE IN STATUS:		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)							
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION		
	HEIGHT	WIDTH	DEPTH				
RADIO TRANS. BC-191-A RADIO RECVR. BC-189-A POWER UNIT PE-49					UNCLASSIFIED UNCLASSIFIED UNCLASSIFIED		
COMBINED WEIGHT OF COMPONENTS:				860#			
COMBINED VOLUME:				20 Cu.Ft			
SHIP TONNAGE:							

MEDIUM POWER, MEDIUM FREQUENCY, GROUND COMMUNICATION SET, POINT-TO-POINT AND GROUND-TO-AIR COMMUNICATION. THE "A" MODEL DIFFERS FROM THE ORIGINAL IN THAT IT INCLUDES AN INVERTED "L" ANTENNA. THE "B" MODEL DIFFERS FROM THE OTHERS IN THAT THE RECEIVER FREQUENCIES ARE COVERED BY TWO RECEIVERS WITH BUILT-IN COILS IN LIEU OF ONE RECEIVER WITH SEPARATE COIL SETS. SCR-177-B USES RECEIVERS BC-312 AND BC-314, WHICH TUNE 150 TO 18.0 Mo. TO BE PARTIALLY REPLACED BY SCR-215, MEDIUM POWER GROUND SET. SEE SCR-177-B.

RADIO SET SCR-177-A. PRINCIPAL COMPONENTS.



INSTRUCTIONAL LITERATURE: TM 11-232	STATUS:	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-177-B		
	CHANGE IN STATUS:				
	PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)		
	FREQUENCY RANGE: (Mc) TRANS. .4 - .8; 1.5 - 4.5 RECVR. .15 - 18.0 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: CROW-FOOT .4 TO .8 Mc/1.5 TO 4.5: INVERTED "L". AN-21-A, 22-A, 23, 25, 26 & 27. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: TRANS. PE-49; RECVR. DM-21, AND 12V BATTERY. SIMILAR SETS: SCR-188-A POWER OUTPUT: (WATTS) 75 @ 100% MOD. TUBES: (TYPE AND NUMBER) 4-6C5 2-6F6 6-6K7 2-6L7 2-6R7 1-10 4-211SPL		USE: Sig Co, Sig Bn, Div Sig Co, R. I. Co, AA Rest Hq, AA Bn Hq Co. CAC: (TD) BHQ, REST Hq. Bn Hq. <u>RY ARTY</u> : (HD) BHQ, REGT Hq, Bn Hq, BTRY (LTRD) AC. RANGE: (MILES) CW-100; TONE-70; VOICE-30. TO COMMUNICATE WITH: SCR-177-B; SCR-187; SCR-193; SCR-238-A; SCR-287-A. TO REPLACE IN PART: SCR-132-A; SCR-136; SCR-177-A. TRANSPORTATION: CARRIED IN VEHICLE, OPERATED ON GROUND. TYPE OF SIGNAL: CW; TONE; VOICE; A.M.		
	RADIO SET SCR-177--PRINCIPAL COMPONENTS RADIO SET SCR-177-B IS THE SAME AS RADIO SET SCR-177 EXCEPT SCR-177-B USES RECEIVERS BC-312 AND BC-314 INSTEAD OF BC-189-A SHOWN IN ABOVE PHOTOGRAPH.				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)					
ITEM		DIMENSIONS		WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH		
TRANS. BC-191					
RECVR. BC-314					
RECVR. BC-312					
POWER UNIT PE-49					
COMBINED WEIGHT OF COMPONENTS:					
COMBINED VOLUME OF COMPONENTS:					
SHIP TONNAGE:					

ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH		
1	RADIO TRANS. BC-187-(A)				12.2#	UNCLASSIFIED
1	RADIO MODULATOR BC-188-(A)				6.1#	UNCLASSIFIED
1	RADIO RECVR. BC-186				9.2#	UNCLASSIFIED
1	GENERATOR GN-37				30.0#	UNCLASSIFIED
COMBINED WEIGHT OF COMPONENTS:					200 #	
COMBINED VOLUME:					1 1/2 Cu. Ft.	
SHIP TONNAGE:					22 1/4 #	

SCR-178

NOMENCLATURE
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS
FOR SECTION CLASSIFICATION.

STATUS:

OBSOLETE
4 FEB 44

INSTRUCTIONAL LITERATURE:

TM 11-231

PART A - TECHNICAL CHARACTERISTICS
(CLASSIFICATION:)FREQUENCY RANGE: (Mo) Trans. 2.4 - 3.7.
RECVR. 2.4 - 3.7.

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: NONE

ANTENNA: 27 FT. FISHPOLE WITH COUNTERPOISE.

TUNING (MO OR XTAL): MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: TRANS.-HAND GENERATOR 8 & 500 V.
RECVR.-DRY BATTERIES - 4 BA-2;
4 BA-23 AND 2 BA-27.

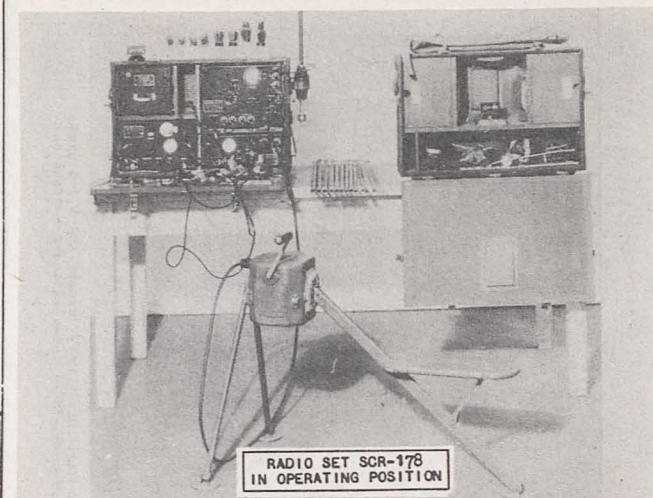
SIMILAR SETS: SCR-179

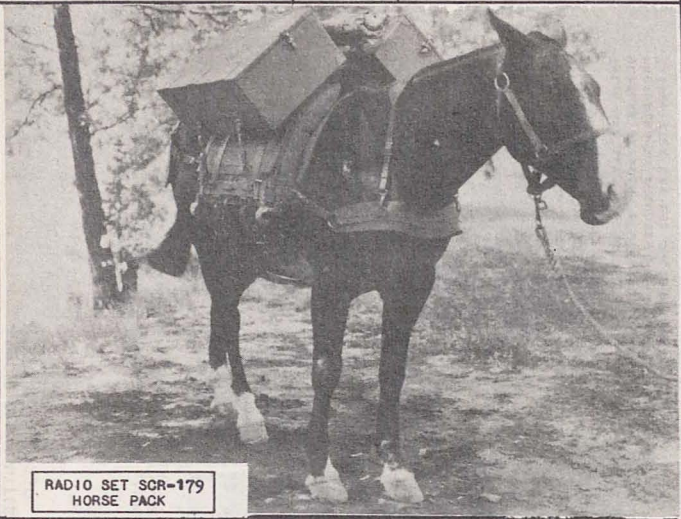

POWER OUTPUT: (WATTS) CW - 5; TONE - 3; VOICE - 2.2
TONE - 100%, VOICE - 90% MODULATION.TUBES: (TYPE AND NUMBER) TUBES: 1 BC-186, RECVR.
2 TYPE 30, 2 TYPE 31.
1 BC-187-A; 1 TYPE 10, 1 TYPE 865.
1 MODULATOR BC-188-A; 2 TYPE 30.**PART B - TACTICAL CHARACTERISTICS**
(CLASSIFICATION:)USE: USED BY FIELD ARTILLERY. ON GROUND: FA,
MED., HVY, & LT. BN HQ, BHQ, REGT HQ. FOR
POINT TO POINT, AND GROUND TO PLANE BETWEEN
ALL FA UNITS, (EXCEPT PACK) AND AIRCRAFT
FOR OBSERVATION PURPOSES.RANGE: (MILES) POINT TO POINT: CW-25; TONE-20;
VOICE-10.
AIR TO GROUND: CW-100; TONE-75;
VOICE-30.TO COMMUNICATE WITH: SCR-178; SCR-179 AND
SCR-238.

TO REPLACE IN PART: SCR-109-A.

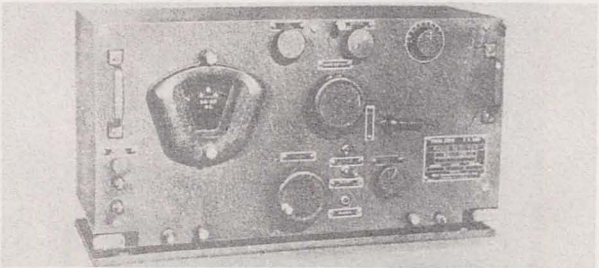
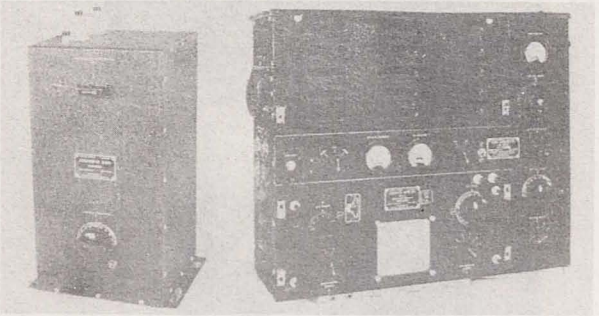
TRANSPORTATION: CARRIED IN VEHICLE.

TYPE OF SIGNAL: CW, TONE, VOICE.

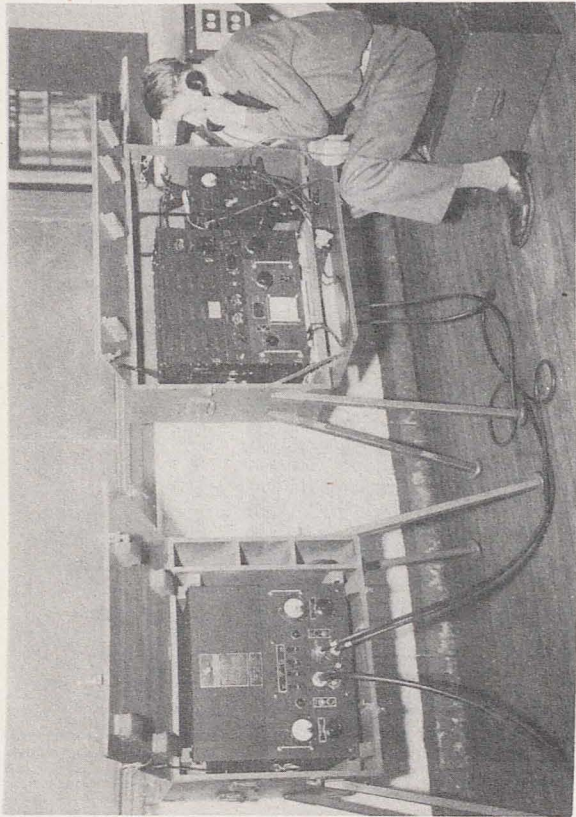
CHANGE IN
STATUS:RADIO SET SCR-178 IS A LOW POWER SET FOR POINT-TO-POINT AND
GROUND-TO-AIR COMMUNICATION BETWEEN FIELD ARTILLERY AND OB-
SERVATION AIRCRAFT. WHEN CARRIED IN A PACK THIS SET IS CALL-
ED SCR-179. H. F. REPLACEMENT FOR RADIO SET SCR-109-A.

INSTRUCTIONAL LITERATURE: TM 11-231	STATUS:	OBSOLETE 4 FEB 44	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-179					
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)				
			FREQUENCY RANGE: TRANSMITTER, 2.4 - 3.7 RECEIVER, 2.4 - 3.7 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: 27 FOOT FISHPOLE, WITH COUNTERPOISE. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: RADIO GENERATOR GN-37, 8 AND 500 V. DRY BATTERIES AS FOLLOWS: 4 BA-2; 4 BA-23; 2 BA-27. SIMILAR SETS: SCR-178. POWER OUTPUT: (WATTS) CW-5; TONE-3; VOICE-2.2, TONE-100%; VOICE-90% MODULATION. TUBES: (TYPE AND NUMBER) 1 BC-186 USES: 2, 30; 2, 34. 1 BC-187-A USES: 1, 10; 1, 865; 1 BC-188-A USES: 2, 30.		USE: FIELD ARTILLERY, HORSE AND PACK ARTILLERY, OPERATED ON GROUND. RANGE: (MILES) POINT-TO-POINT: CW-25; TONE-20; VOICE-10. AIR-TO-GROUND: CW-100; TONE-75; VOICE-30. TO COMMUNICATE WITH: RADIO SET SCR-178; SCR-179, AND SCR-238. TO REPLACE IN PART: RADIO SET SCR-109-A TRANSPORTATION: HORSE PACK. TYPE OF SIGNAL: CW - TONE - VOICE. (A.M.)				
			RADIO SET SCR-179 HORSE PACK			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)			
			ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
					HEIGHT	WIDTH	DEPTH		
RADIO SET SCR-179 OPERATING POSITION IN FIELD RADIO SET SCR-179 IS A LOW POWER SET FOR POINT-TO-POINT AND GROUND- TO-AIR COMMUNICATION. THIS SET IS IDENTICAL WITH RADIO SET SCR-178 EXCEPT CARRYING CASES HAVE PACK SADDLE HANGERS.			RADIO MODULATOR, BC-188					203#	
			RADIO TRANSMITTER, BC-187						
RADIO RECEIVER, BC-186							5 Cu.Ft.		
RADIO GENERATOR GN-37									
COMBINED WEIGHT OF COMPONENTS:									
COMBINED VOLUME OF COMPONENTS:									
SHIP TONNAGE:									

<h1>SCR-183</h1>	NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	STATUS:	LIMITED STANDARD 13 Nov 43	INSTRUCTIONAL LITERATURE: TM 11-200
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)		CHANGE IN STATUS:	
FREQUENCY RANGE: RECEIVING - 201-398 Kc. 4150-7700 Kc. TRANSMITTING - 2500-7700 Kc. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: RECVR.- 5 FT. VERTICAL MAST ANTENNA. TRANS.- "T" OR "L" TYPE 16 TO 18 FT. LONG. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 VOLT PLANE BATTERY. SIMILAR SETS: SIMILAR TO SCR-283 EXCEPT 12 V. POWER OUTPUT: (WATTS) Voice 3.3; Tone 3.2; CW 4.0. TUBES: (TYPE AND NUMBER) 4 TYPE 39/44 1 TYPE 37 1 TYPE 38 2 TYPE 10 2 TYPE 45 SPL. (TUBE CONTENT SHOWN ABOVE PERTAINS TO SCR-AB-183)		USE: COMMAND SET - PLANE-TO-PLANE; PLANE-TO-GROUND COMMUNICATIONS. RANGE: (MILES) 30-45 MILES PLANE-TO-PLANE. 10-20 MILES PLANE-TO-GROUND. TO COMMUNICATE WITH: OTHER EQUIPMENT WITHIN RANGE OF EACH OTHER COVERING SAME FREQUENCIES. TO REPLACE IN PART: TRANSPORTATION: AIRBORNE INSTALLATION. TYPE OF SIGNAL: CW; TONE; VOICE.		THERE ARE SEVERAL MODELS OF RADIO SET SCR-183 AS DESIGNATED BY LETTERS IN THE NOMENCLATURE BETWEEN "SCR" AND THE NUMERAL "183". THESE LETTERS INDICATE DIFFERENT MANUFACTURERS OR PROCUREMENT CONTRACTORS, AND THERE MAY BE MINOR DIFFERENCES BETWEEN MODELS. TRANSMITTER MAY USE OBLITERATING CRYSTAL DC-10.	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)					
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
RADIO RECVR. BC-229	7 5/8	8 1/4	15 11/16	12.0	
RADIO TRANS. BC-230	7 5/8	6 5/8	13 1/4	10.2	
DYNAMOTOR UNIT BC-83 BD-83				9.9	
RADIO CONTROL BOX BC-231	4 5/8	4	2 7/16	.9	
RADIO CONTROL BOX BC-232	2 7/16	4	4 5/8	.9	
ANTENNA SW. RELAY BC-198	4 9/16	4 5/8	2 3/4	1.1	
2 RECVR COIL SETS (ONE IS A DUAL COIL)					
6 TRANS. COIL SETS.					
COMBINED WEIGHT OF COMPONENTS:				43.3# (INCLUDING MINOR COMP)	
COMBINED VOLUME:				1.5 CU. FT.	
SHIP TONNAGE:					

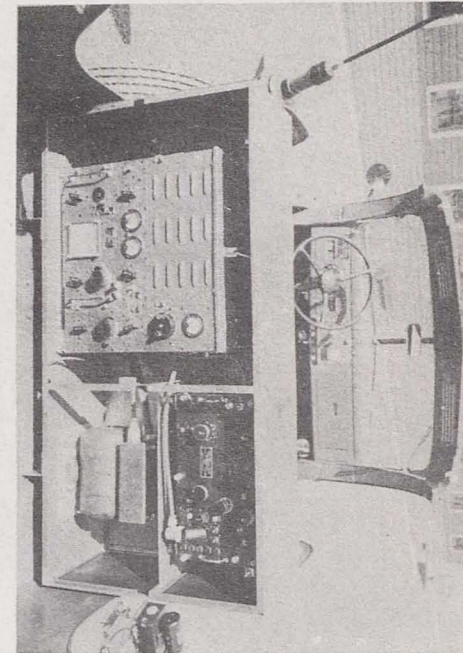
INSTRUCTIONAL LITERATURE: COVERED BY BOOKS FOR TRANS. BC-191 & RECEIVER BC-224 BC-191-A, B, C, D, E & AA-191 TM-11-800 BC-191-N - TO 08-10-165 BC-224-A-TO 08-10-21 BC-224-B - TO 08-10-25 BC-224-C - TO 08-10-47 BC-224-D - IS STOCK NO. 2C 4224 D/1 BC-224-E, G, H - TO 08-10-79 BC-224-F, K - TO 08-10-180 BC-224-L - TO 08-10-164		STATUS:	LIMITED STANDARD 13 Nov 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-187																																																																																		
 <p>RADIO RECEIVER BC-224</p>		CHANGE IN STATUS:	PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: RECVR. - 1.5 - 18 Mc. TRANS. - 1.5 - 12.5 Mc.; 200-300Kc; 600-1500Kc. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: TRAILING WIRE TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 - 14 VOLT AIRPLANE BATTERY SUPPLY SIMILAR SETS: SCR-287 POWER OUTPUT: (WATTS) 30 - 60 WATTS. TUBES: (TYPE AND NUMBER) SCR-AA-137 USES: TRANS. - 4 VT-4-B 1 VT-25 RECVR. - 1 VT-37 1 VT-38 4 VT-49			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: AIR-TO-AIR, AIR-TO-GROUND COMMUNICATION LIAISON SET. RANGE: (MILES) 50 TO SEVERAL HUNDRED MILES. TO COMMUNICATE WITH: SCR-188; SCR-193; SCR-197; SCR-299. TO REPLACE IN PART: TRANSPORTATION: AIRBORNE INSTALLATION. TYPE OF SIGNAL: VOICE, TONE, CW.																																																																																		
		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																																																																						
 <p>ANTENNA TUNING UNIT BC-306.</p> <p>RADIO TRANSMITTER BC-191 (TRANSMITTER TUNING UNIT TU-5 IN PLACE)</p> <p>RADIO SET SCR-187. COMPONENTS. RECEIVER BC-224 CONTAINS CRYSTAL FILTER.</p>		<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO TRANS. BC-191</td> <td>21 21/32</td> <td>23 1/8</td> <td>9 5/16</td> <td>55</td> <td></td> </tr> <tr> <td>RADIO RECVR. BC-224</td> <td>18 21/32</td> <td>10 1/2</td> <td>9 1/2</td> <td>40</td> <td></td> </tr> <tr> <td>DYNAMOTOR UNIT BD-77</td> <td>11 21/32</td> <td>16 3/4</td> <td>8</td> <td>4.4</td> <td></td> </tr> <tr> <td>RADIO CONTROL BOX BC-309</td> <td>3 9/16</td> <td>3 1/2</td> <td>2 7/32</td> <td>.42</td> <td></td> </tr> <tr> <td>ANTENNA TUNING UNIT BC-306</td> <td>17 3/4</td> <td>9 1/2</td> <td>9 1/8</td> <td>9.75</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-3</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-5</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-6</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-7</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-8</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-9</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-10</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> </tbody> </table> <p>NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.</p>						ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO TRANS. BC-191	21 21/32	23 1/8	9 5/16	55		RADIO RECVR. BC-224	18 21/32	10 1/2	9 1/2	40		DYNAMOTOR UNIT BD-77	11 21/32	16 3/4	8	4.4		RADIO CONTROL BOX BC-309	3 9/16	3 1/2	2 7/32	.42		ANTENNA TUNING UNIT BC-306	17 3/4	9 1/2	9 1/8	9.75		TRANSMITTER TUNING UNIT TU-3	7 5/8	16 3/4	8 3/4	13		TRANSMITTER TUNING UNIT TU-5	7 5/8	16 3/4	8 3/4	13		TRANSMITTER TUNING UNIT TU-6	7 5/8	16 3/4	8 3/4	13		TRANSMITTER TUNING UNIT TU-7	7 5/8	16 3/4	8 3/4	13		TRANSMITTER TUNING UNIT TU-8	7 5/8	16 3/4	8 3/4	13		TRANSMITTER TUNING UNIT TU-9	7 5/8	16 3/4	8 3/4	13		TRANSMITTER TUNING UNIT TU-10	7 5/8	16 3/4	8 3/4	13	
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TRANSMITTER TUNING UNIT TU-6	7 5/8	16 3/4	8 3/4	13																																																																																				
TRANSMITTER TUNING UNIT TU-7	7 5/8	16 3/4	8 3/4	13																																																																																				
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TRANSMITTER TUNING UNIT TU-9	7 5/8	16 3/4	8 3/4	13																																																																																				
TRANSMITTER TUNING UNIT TU-10	7 5/8	16 3/4	8 3/4	13																																																																																				
COMBINED WEIGHT OF COMPONENTS:				250 LBS. APPROX.																																																																																				
COMBINED VOLUME:				6 CU. FT. APPROX.																																																																																				
SHIP TONNAGE:																																																																																								

SCR-188		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 26 Dec 33	INSTRUCTIONAL LITERATURE: TM 11-233.	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: TRANS.: 1.5 - 12.5. REOVR.: 0.4 - 13.0 Mc. NUMBER OF CRYSTALS: 1 AS XTAL OSCILLATOR. PRESET FREQUENCIES: ANTENNA: INVERTED L ($\frac{1}{2}$ OR $\frac{3}{4}$ WAVE). AN-22-A, 23-A, 25, 26, 27, & 28. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: TRANS. PE-49-A; REOVR. BD-AA-69; ED-AB-69; BD-AC-69; BD-AD-69; BD-AE-69, WITH 12 V STORAGE BATTERY. SIMILAR SETS: SCR-177-A EXCEPT FREQUENCY. POWER OUTPUT: (WATTS) 75 AT 85% MODULATION TONE; VOICE. TUBES: (TYPE AND NUMBER) 1 BC-189-A; 3 TYPE 36; 1 TYPE 38; $\frac{1}{4}$ TYPE 39/44. 1 BC-AA-191; 1 TYPE 10; $\frac{1}{4}$ TYPE 211 SPL.			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: AC PURSUIT: SQDN, GRP, WNG. ATTACK : SQDN, GRP, WNG, OBS. SIG Co : AWS Co. RANGE: (MILES) CW-100; TONE-70; VOICE-30. TO COMMUNICATE WITH: SCR-183; SCR-187; SCR-188; SCR-197; SCR-240-A; SCR-259-A; SCR-261-A; SCR-274-N; SCR-283; SCR-287; SCR-238-A. TO REPLACE IN PART: NONE TRANSPORTATION: VEHICLES OR PLANES (OPERATED ON GROUND ONLY). TYPE OF SIGNAL: CW; TONE; VOICE. (A.M.)		CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)								
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION			
	HEIGHT	WIDTH	DEPTH					
RADIO TRANS. BC-AA-191					UNCLASSIFIED			
RADIO REOVR. BC-189-A					UNCLASSIFIED			
POWER UNIT PE-49					UNCLASSIFIED			
COMBINED WEIGHT OF COMPONENTS:				1,150#				
COMBINED VOLUME OF COMPONENTS:				25 CU.FT.				
SHIP TONNAGE:								

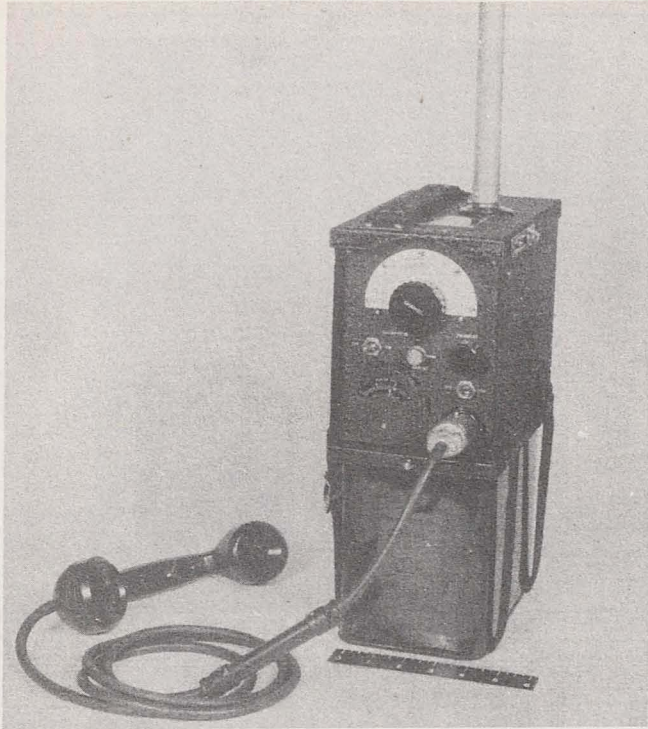
INSTRUCTIONAL LITERATURE: TM 11-233	STATUS: CHANGE IN STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: <h1 style="text-align: center;">SCR-188-A</h1>																																																			
 <p style="writing-mode: vertical-rl; transform: rotate(180deg); text-align: center;">RADIO SET SCR-188-A SHOWING TRANSMITTER SET UP IN ACTION</p>			<p style="text-align: center;">PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (MO) TRANS. 1.5 - 12.5 RECVR. 1.5 - 18.0</p> <p>NUMBER OF CRYSTALS: PRESET FREQUENCIES:</p> <p>ANTENNA: INVERTED L ($\frac{1}{4}$ OR $\frac{3}{4}$ WAVE). AN-22-A, 23-A, 25, 26, 27, & 28. TUNING: (MO OR XTAL) MO</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: TRANS. & RECVR. PE-75. TRANS. RECTIFIER RA-36. RECVR. RECTIFIER RA-20.</p> <p>SIMILAR SETS: SCR-177-B</p> <p>POWER OUTPUT: (WATTS) 75 @ 85% MOD. TONE & VOICE.</p> <p>TUBES: (TYPE AND NUMBER)</p> <table border="0" style="width: 100%;"> <tr> <td>1-5W4</td> <td>1-6L7</td> <td>1-10</td> </tr> <tr> <td>3-6C5</td> <td>1-6R7</td> <td>4-211SPL</td> </tr> <tr> <td>1-6F6</td> <td>1-6X5GT</td> <td>2-866A</td> </tr> <tr> <td>4-6K7</td> <td></td> <td></td> </tr> </table>	1-5W4	1-6L7	1-10	3-6C5	1-6R7	4-211SPL	1-6F6	1-6X5GT	2-866A	4-6K7			<p style="text-align: center;">PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: AC PURSUIT: SQDN, GRP, WNG. ATTACK : SQDN, GRP, WNG, Obs. SIG C : AWS Co.</p> <p>RANGE: (MILES) CW 100; TONE 70; VOICE 30.</p> <p>TO COMMUNICATE WITH: SCR-183; SCR-187; SCR-188; SCR-197; SCR-240-A; SCR-259-A; SCR-261-A; SCR-274-N; SCR-283; SCR-287; SCR-238-A.</p> <p>TO REPLACE IN PART: NONE</p> <p>TRANSPORTATION: VEHICLES OR PLANES (OPERATED ON GROUND ONLY).</p> <p>TYPE OF SIGNAL: CW; TONE; VOICE. (A.M.)</p>																																							
			1-5W4	1-6L7	1-10																																																		
3-6C5	1-6R7	4-211SPL																																																					
1-6F6	1-6X5GT	2-866A																																																					
4-6K7																																																							
<p style="text-align: center;">PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)</p>			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 60%;">ITEM</th> <th colspan="3" style="text-align: center;">DIMENSIONS</th> <th rowspan="2" style="width: 10%;">WEIGHT</th> <th rowspan="2" style="width: 17%;">CLASSIFICATION</th> </tr> <tr> <th style="width: 10%;">HEIGHT</th> <th style="width: 10%;">WIDTH</th> <th style="width: 10%;">DEPTH</th> </tr> </thead> <tbody> <tr> <td>TRANS. BC-191</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>RECVR. BC-342</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>POWER UNIT PE-75</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>RECTIFIER RA-34</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td>1385#</td> <td></td> </tr> <tr> <td>COMBINED VOLUME OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SHIP TONNAGE:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	TRANS. BC-191					UNCLASSIFIED	RECVR. BC-342					UNCLASSIFIED	POWER UNIT PE-75					UNCLASSIFIED	RECTIFIER RA-34					UNCLASSIFIED	COMBINED WEIGHT OF COMPONENTS:				1385#		COMBINED VOLUME OF COMPONENTS:						SHIP TONNAGE:					
ITEM	DIMENSIONS			WEIGHT		CLASSIFICATION																																																	
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SHIP TONNAGE:																																																							

SCR-193		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 5 Dec 33	INSTRUCTIONAL LITERATURE: TM 11-273
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) TRANS.: 1.5 - 4.5. RECVR.: 1.5 - 18.0. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: 15' FISHPOLE ON FLEXIBLE MAST BASE MP-14 OR MP-37. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: TRANS. DYNAMOTOR UNIT BD-77; RECVR. DYNAMOTOR INTEGRAL. 12 V CAR BATTERY. SIMILAR SETS: SCR-177-B POWER OUTPUT: (WATTS) 75 AT 100% MODULATED. TUBES: (TYPE AND NUMBER) 8 VT-4-B; 4 IN USE, 4 SPARE. 2 VT-25; 1 IN USE, 1 SPARE. 6 VT-36; 3 IN USE, 3 SPARE. 2 VT-38; 1 IN USE, 1 SPARE. 8 VT-49; 4 IN USE, 4 SPARE.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: CAV.: RON SQ, HQ TR (H&M), SERV. TR. (H&M). ENGRS: BN, AVN, REST, ARMD BN. SIG C: CO ARMD, CO & TR OPN. TANKS, SCOUT CARS, HALF TRACKS ETC. RANGE: (MILES) STATIONARY - CW-60; TONE-40; VOICE-20. MOVING - CW-30; TONE-20; VOICE-15. TO COMMUNICATE WITH: SCR-131; SCR-171; SCR-177; SCR-178; SCR-187; SCR-193; SCR-203; SCR-209; SCR-210; SCR-236; SCR-245; SCR-259; SCR-287. TO REPLACE IN PART: TRANSPORTATION: LT. TANKS M2, MED TANK T4, COMBAT CAR M-1, SCOUT CAR M-2, ARMD CAR T-11, ARMD CAR M-1. TYPE OF SIGNAL: CW; TONE; VOICE; (A.M.)		CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)							
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION		
	HEIGHT	WIDTH	DEPTH				
RADIO TRANS. BC-191					UNCLASSIFIED		
RADIO RECVR. BC-312					UNCLASSIFIED		
DYNAMOTOR BD-77					UNCLASSIFIED		
COMBINED WEIGHT OF COMPONENTS:				200 #			
COMBINED VOLUME:				7 CU. FT.			
SHIP TONNAGE:							

RADIO SET SCR-193-E IS A VEHICULAR COMMUNICATION SET. IN INFANTRY IT HAS BEEN REPLACED BY RADIO SET SCR-215. INSTALLATION IN VEHICLES FOR INTERCOMMUNICATION. MODIFICATIONS OF THIS SET ARE ADAPTED TO DIFFERENT TYPES OF VEHICLES, INCLUDING TANKS, SCOUT CARS AND COMBAT CARS. SCR-193-D IS THE SET USED FOR SCOUT CARS, M5A1. DIFFERENCES MAINLY IN CORD LENGTHS (WHEN RADIO SET SCR-193 IS ISSUED TO CAVALRY UNITS, FREQUENCIES OF 2.0 - 3.0 Mc. ARE ASSIGNED.)

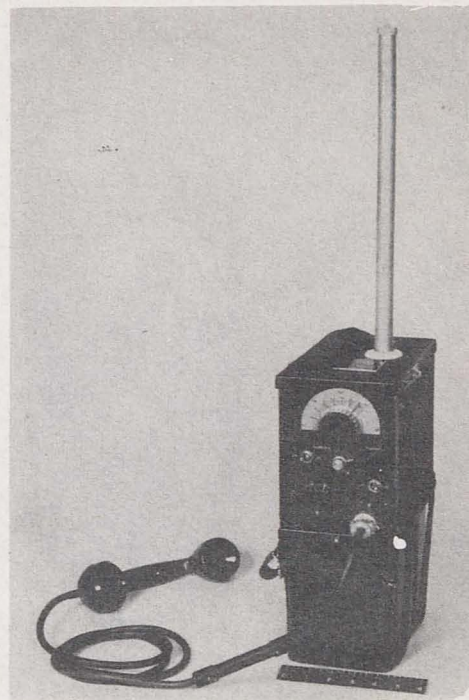


INSTALLATION IN TRUCK, 1/2-TON 1 X 1/2 COMMAND (RADIO)

INSTRUCTIONAL LITERATURE: TM 11-238	STATUS:	LIMITED STANDARD 18 MAR 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-194						
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)						
			FREQUENCY RANGE: (Mc) 27.7 TO 52.2.		USE: USED BY FIELD ARTILLERY, SIGNAL CORPS, ARMORED FORCES.						
			NUMBER OF CRYSTALS: 1 FOR CALIBRATION. PRESET FREQUENCIES: NONE.		RANGE: (MILES) 5						
			ANTENNA: ADJUSTABLE ROD FOR GROUND USE (12 SECTIONS MAX.). THREE SECTION FISHPOLE FOR VEHICLE. 1/2-RHOMBIC ANTENNA EQUIPMENT RC-63 MAY BE ADDED FOR GREATER DISTANCE.		TO COMMUNICATE WITH: SCR-194 ONLY.						
			TUNING (MO OR XTAL): MO		TO REPLACE IN PART: SCR-161 FOR SHORT RANGE LIAISON.						
			SENSITIVITY: SELECTIVITY:		TRANSPORTATION: MAN PACK OR IN VEHICLE.						
			POWER SOURCE: DRY BATTERIES BA-32.		TYPE OF SIGNAL: VOICE.						
			SIMILAR SETS: SCR-195 EXCEPT FOR FREQUENCY.								
			POWER OUTPUT: (WATTS) .75 @ 60% MODULATION.								
			TUBES: (TYPE AND NUMBER) BC-222 TRANSOEIVER, TUBES: 1 TYPE 33 1 TYPE 30 SPL.								
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)								
			ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION		
					HEIGHT	WIDTH	DEPTH				
			RECVR. & TRANS. BC-222 IN BAG WITH BATTERIES, ANTENNA, HEADSET, AND MICROPHONE.		1 CUBIC FOOT			25.10#	UNCLASSIFIED		
			AUXILIARY EQUIPMENT AND SPARE PARTS IN CHEST CH-33		2 CUBIC FEET			64.14#	UNCLASSIFIED		
			COMBINED WEIGHT OF COMPONENTS:					90 #			
			COMBINED VOLUME:					1.1 Cu.Ft.			
			SHIP TONNAGE:					103 #			
<p>RADIO SET SCR-194 ASSEMBLED VIEW.</p> <p>"WALKIE-TALKIE" PHYSICALLY SIMILAR TO FIELD PACK. CAN BE OPERATED WHILE BEING CARRIED AS A ONE-MAN PACK OR FROM A VEHICLE. NORMALLY ONLY TWO SETS CAN BE NETTED. TO BE REPLACED BY SCR-300. PARTIALLY REPLACED IN AF BY SCR-509 AND 510. REPLACED IN FA BY SCR-609 AND 610. CAN BE REMOTE CONTROLLED OR OPERATED THROUGH TELEPHONE SWITCHBOARD, WHEN REMOTE CONTROL EQUIPMENT RC-66 IS USED.</p>											

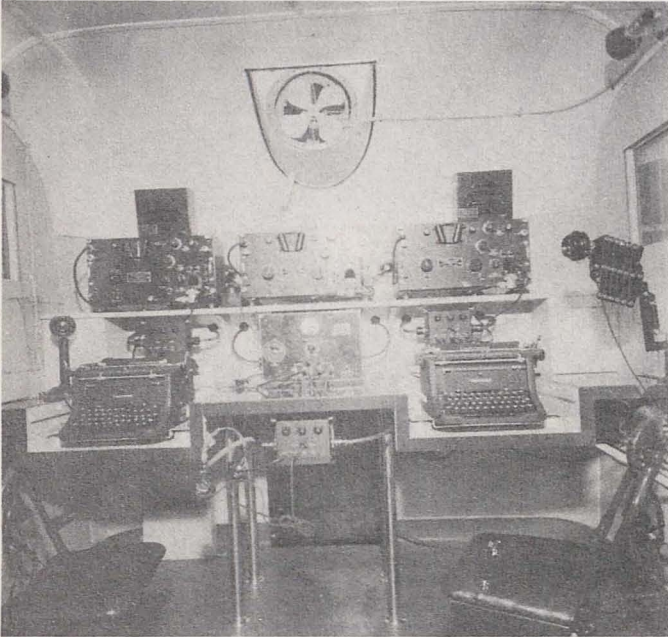
THIS SHEET IS CLASSIFIED: UNCLASSIFIED

SCR-195		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	STATUS:	OBSOLETE 29 JAN 44	INSTRUCTIONAL LITERATURE: TM 11-238
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (Mc) - 52.8 to 65.8 NUMBER OF CRYSTALS: 1 USED FOR CALIBRATION. REFERENCE. PRESET FREQUENCIES: NONE. ANTENNA: 8 SECTION -ADJUSTABLE ROD FOR GROUND USE. TWO SECTION FISHPOLE ON FLEXIBLE MOUNTING FOR VEHICLE. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: DRY BATTERIES BA-32. SIMILAR SETS: SCR -194 EXCEPT FOR FREQUENCY. POWER OUTPUT: (WATTS) .5 60% MODULATION. TUBES: (TYPE AND NUMBER) "WALKIE-TALKIE 1 BC-322: TUBES: 1 TYPE 33 1 TYPE 30 SPL.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: USE BY THE INFANTRY, SIGNAL CORPS, PARACHUTE BATTALIONS. POINT TO POINT COMMUNICATION. RANGE: (MILES) 3 TO COMMUNICATE WITH: SCR-195 ONLY. TO REPLACE IN PART: NONE. TRANSPORTATION: MAN PACK, OR IN VEHICLE. TYPE OF SIGNAL: VOICE.		CHANGE IN STATUS:		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)						
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	
	HEIGHT	WIDTH	DEPTH			
RADIO RECVR. & TRANS. BC-322 IN BAG WITH BATTERIES, ANTENNA, AND HANDSET.				26.85#	UNCLASSIFIED	
AUXILIARY EQUIPMENT AND SPARE PARTS IN CHEST CH-33.				64.14#	UNCLASSIFIED	
COMBINED WEIGHT OF COMPONENTS:				91 #		
COMBINED VOLUME:				1.1 Cu. Ft.		
SHIP TONNAGE:				104 #		



RADIO SET SCR-195. ASSEMBLED VIEW

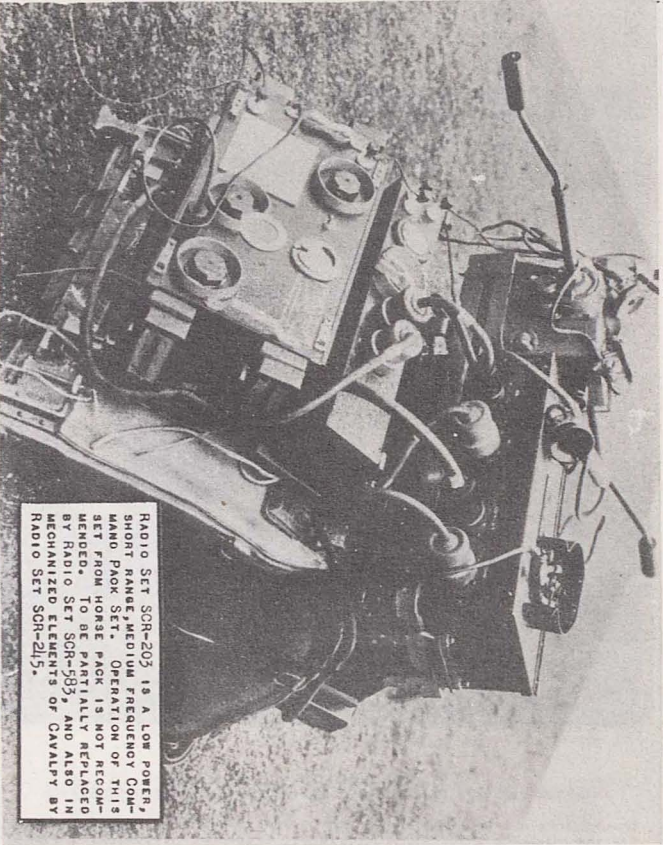
CAN BE OPERATED WHILE BEING CARRIED AS A ONE-MAN PACK OR FROM A VEHICLE "WALKIE-TALKIE" - PHYSICALLY SIMILAR TO FIELD PACK. NORMALLY, ONLY TWO SETS CAN BE NETTED. REPLACED BY SCR-300.

INSTRUCTIONAL LITERATURE: TM 11-805	STATUS: CHANGE IN STATUS:	LIMITED STANDARD 13 JUL 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-197		
		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MO) TRANS. 1.5 - 18.0. REOVR. 1.5 - 18.0. NUMBER OF CRYSTALS: TRANS. - 5; 1 IN EACH REOVR. PRESET FREQUENCIES: 5 XTAL AND 5 MECHANICAL. ANTENNA: 100 FT. WITH COUNTERPOISE, SUSPENDED BETWEEN TRUCK AND SECTIONAL MAST OR 7 SECTION 40' POLE TYPE ANTENNA. TUNING: (MO OR XTAL) MO AND XTAL. SENSITIVITY: SELECTIVITY: POWER SOURCE: TRANS: COMMERCIAL 220/110 V 60 CYCLE GENERATOR GN-42-A. REOVR: COMMERCIAL 110 V 60 CYCLE POWER UNIT PE-75. SIMILAR SETS: SCR-299; SCR-399; SCR-499. POWER OUTPUT: (WATTS) CW-400; TONE-125; VOICE- 125 100% MODULATION. TUBES: (TYPE AND NUMBER) SCR-197-A USES: 6 VT-42- A; 6 VT-46-A; 12 VT-65; 9 VT-66; 6 VT-76; 3 VT-80; 3 VT-83; 6 VT-84; 24 VT-86; 6 VT-87; 6 VT-88; 6 VT-97; 12 VT-101; 9 VT-106; 3 TYPE 913; 6 TYPE KU-610.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: SIGNAL CORPS, AIR CORPS. GROUND TO AIR, LONG RANGE. RANGE: (MILES) CW & STATIONARY - 1000. TO COMMUNICATE WITH: SCR-177; SCR-183; SCR-187; SCR-188-A; SCR-197; SCR-238; SCR-240; SCR-261; SCR-274-N; SCR-283. TO REPLACE IN PART: NONE TRANSPORTATION: VEHICULAR. (VEHICLES INCLUDED). TYPE OF SIGNAL: CW; TONE; VOICE.		
		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)				
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
RADIO TRANS. BC-325 RADIO REOVR. BC-342 (3) TRUCK K-18 TRAILER K-19		HEIGHT	WIDTH	DEPTH		
COMBINED WEIGHT OF COMPONENTS:					15,000# APPROX.	
COMBINED VOLUME:					1947 cu. FT.	
SHIP TONNAGE:						

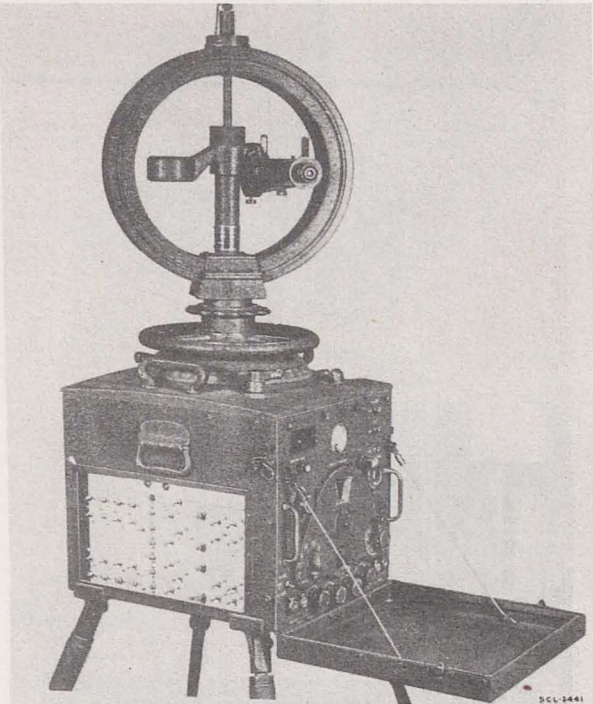
RADIO SET SCR-197-A
 INTERIOR VIEW OF TRAILER K-19 SHOWING RADIO OPERATOR'S SECTION
 GROUND-TO-AIR LONG RANGE MOBILE SET. TRANSMITTER AND POWER UNIT IN-
 STALLED IN TRUCK K-18. THREE RECEIVERS, TELEPHONE SWITCHBOARD, TYPE-
 WRITERS AND TELETYPEWRITERS INSTALLED IN TRAILER K-19.

(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

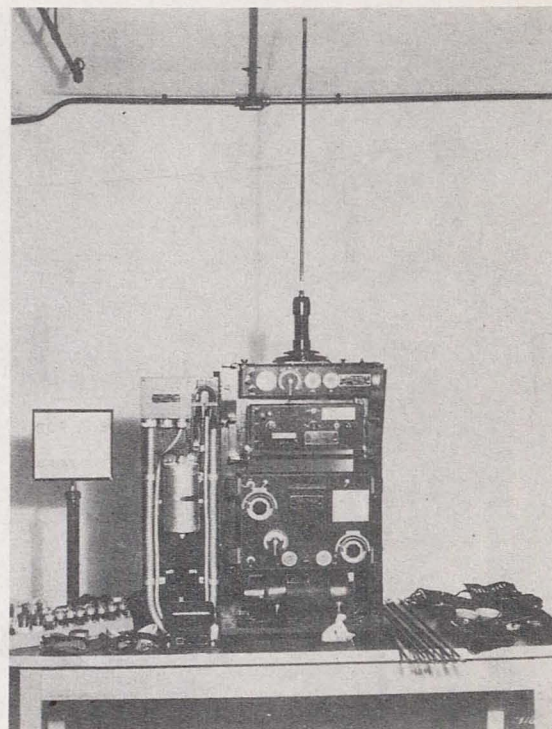
SCR-203		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS: LIMITED STANDARD 6 Feb 43		INSTRUCTIONAL LITERATURE: TM 11-239			
		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)					
FREQUENCY RANGE: (Mo) TRANS.: 2.2 - 3.06. RECVR.: 2.1 - 3.1. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ANTENNA: 21 8 SECTION FISHPOLE WHEN USED ON GROUND. FOR MOUNTED OPERATION FEWER SECTIONS ARE USED. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: GN-35; 8 & 350 V. DRY BATTERIES: 1 1/2 V; 4 1/2 V; & 90 V. SIMILAR SETS: POWER OUTPUT: (WATTS) 7.5 AT 60% MODULATION. TUBES: (TYPE AND NUMBER) 1 BC-227 OR BC-227-A; 5 TYPE 864. 1 BC-228 OR BC-228-A; 2 TYPE 10; 1 TYPE 50.				USE: CAVALRY, FA UNITS AND SIGNAL CORPS. RANGE: (MILES) ON GROUND: CW-30; TONE-20; VOICE-5. MOVING: CW-10; TONE-6; VOICE-3. TO COMMUNICATE WITH: SCR-193; 203; 209; 210; 238; 187; 245. TO REPLACE IN PART: SCR-127; 163-A. TRANSPORTATION: HORSE PACK; VEHICLE. TYPE OF SIGNAL: CW; TONE; VOICE.				CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)											
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION					
		HEIGHT	WIDTH	DEPTH							
TRANSMITTER BC-228-A OR BC-228											
RECEIVER BC-227-A OR BC-227											
HAND GENERATOR GN-35											
COMBINED WEIGHT OF COMPONENTS:					160#						
COMBINED VOLUME:					10 Cu.Ft.						
SHIP TONNAGE:											

RADIO SET SCR-203 IS A LOW POWER, SHORT RANGE, MEDIUM FREQUENCY COMMUNICATIONS SET. OPERATION OF THIS SET FROM HORSE PACK IS NOW REPLACED BY RADIO SET SCR-593, AND ALSO IN REORGANIZED ELEMENTS OF CAVALRY BY RADIO SET SCR-215.

INSTRUCTIONAL LITERATURE: (SCR-206-D) TM-11-240-D (SCR-206-F) TM-11-240-F	STATUS: CHANGE IN STATUS:	LIMITED STANDARD 11 JUN 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-206		
			<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (Mc) 0.2 - 18.0</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES: NONE</p> <p>ANTENNA: LOOP</p> <p>TUNING: (MO OR XTAL)</p> <p>SENSITIVITY: 20 - 100 MICROVOLTS PER METER.</p> <p>SELECTIVITY:</p> <p>POWER SOURCE: 6-VOLT STORAGE BATTERY.</p> <p>SIMILAR SETS: SCR-503</p> <p>POWER OUTPUT: (WATTS)</p> <p>TUBES: (TYPE AND NUMBER) 1 VT-94 3 VT-117 1 VT-98 1 VT-150 2 VT-103 1 VT-152</p> <p>(NOTE: THE TUBE LINE-UP IS FOR SCR-206-D. EACH MODEL HAS DIFFERENT SET OF TUBES.)</p>	<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: TO INTERCEPT AND LOCATE ENEMY GROUND STATIONS.</p> <p>RANGE: (MILES) SHORT</p> <p>TO COMMUNICATE WITH: NOT APPLICABLE.</p> <p>TO REPLACE IN PART:</p> <p>TRANSPORTATION: PORTABLE</p> <p>TYPE OF SIGNAL: NOT APPLICABLE.</p>		
			<p>PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)</p>			
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH		
RECEIVER BC-470		24 1/8"	16 3/8"	15 1/2"	65.5#	
ANTENNA (SENSE) (EACH SECT.)		35 5/8"			1.5#	
LOOP LP-22		17 5/8"	15 "	5 "	4.6#	
BATTERY BOX		11 1/2"	23 "	16 1/4"	38.6#	
COMBINED WEIGHT OF COMPONENTS:		INCLUDING CORDS, CHESTS,			383#	
COMBINED VOLUME OF COMPONENTS:						
SHIP TONNAGE:						

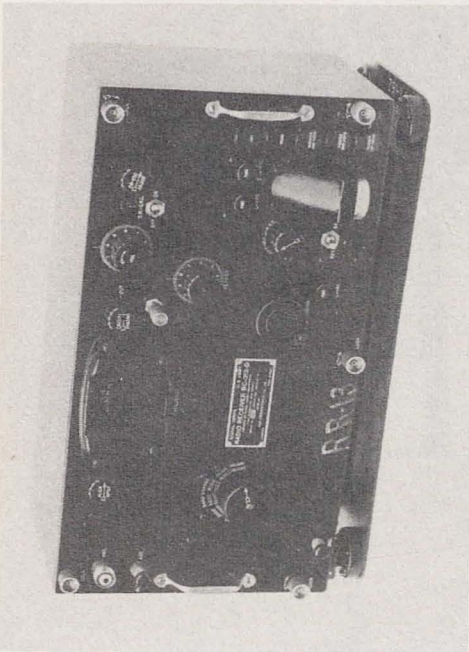
RADIO SET SCR-206 IN OPERATING POSITION

SCR-209		NOMENCLATURE DESIGNATION			NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	LIMITED STANDARD 13 Dec 37	INSTRUCTIONAL LITERATURE: IB Stock No. 6D8209	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MO) TRANS. 2.2 - 2.6. RECVR. 1.5 - 18.0 (BC-312); 2.0 - 3.0 (BC-189) NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ANTENNA: 15' 5 SECTION FISHPOLE ON MP-14 OR 37. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: MOTOR GENERATOR AND BATTERY UNIT PE-48. RECVR. DYNAMOTOR UNIT BD-69. SIMILAR SETS: POWER OUTPUT: (WATTS) CW-8.5; TONE-7.5; VOICE-7.5 60% MOD. TONE, 40% VOICE. TUBES: (TYPE AND NUMBER) 2 VT-25 3 VT-36 1 VT-38 4 VT-49 1 VT-50				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: COMBAT AND SCOUT CARS. RANGE: (MILES) STATIONARY: CW-30; TONE-20; VOICE-5. MOVING: CW-10; TONE-6; VOICE-3. TO COMMUNICATE WITH: SCR-193; SCR-203; SCR-209; SCR-210; SCR-238. TO REPLACE IN PART: SCR-189; 199. TRANSPORTATION: VEHICLES. TYPE OF SIGNAL: CW; TONE; VOICE; AM				CHANGE IN STATUS:		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)										
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION					
	HEIGHT	WIDTH	DEPTH							
RADIO TRANS. BC-176-A					UNCLASSIFIED					
RADIO TRANS. RECVR. BC-189					UNCLASSIFIED					
RADIO RECVR. BC-312-A-B-C-D.					UNCLASSIFIED					
MOTOR GENERATOR PE-48										
COMBINED WEIGHT OF COMPONENTS:				163#						
COMBINED VOLUME:				4 Cu.Ft.						
SHIP TONNAGE:										

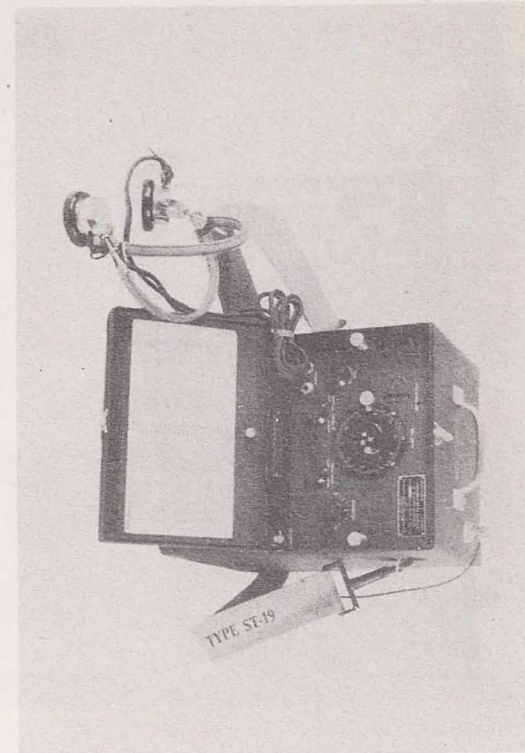


RADIO SET SCR-209 IN OPERATING POSITION.

VERY FEW OF THESE SETS USING RECEIVER BC-189 ARE NOW IN USE. SCR-209 IS BEING REPLACED BY SCR-245.

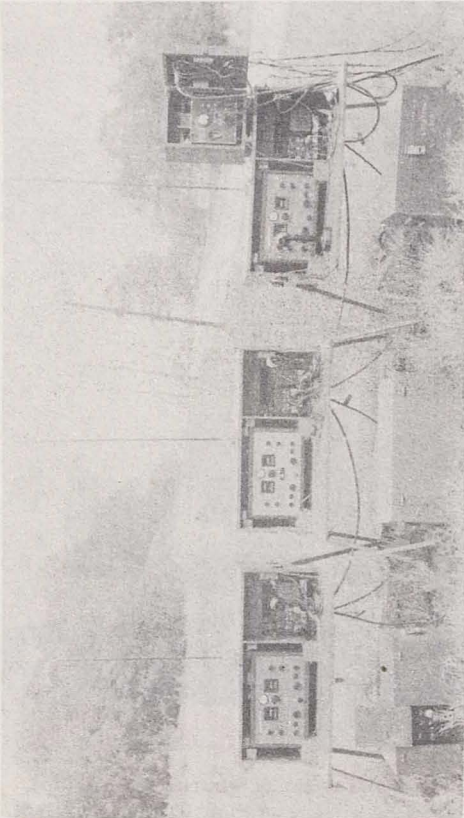
INSTRUCTIONAL LITERATURE: TM 11-272	STATUS: CHANGE IN STATUS:	LIMITED STANDARD 24 Nov 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-210	
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);"> RADIO RECEIVER BC-312, PRINCIPAL COMPONENT OF RADIO SET SCR-210. RADIO SET SCR-210 USES RECEIVER ONLY. SUFFIX LETTER DENOTES VEHICLE IN WHICH THE SET IS USED. RADIO SET SCR-210 REPLACED BY SCR-538. </p>		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: 1.5 - 18.0 (RECEIVER ONLY) NUMBER OF CRYSTALS: PRESET FREQUENCIES: NONE ANTENNA: 15' 5 SECTION FISHPOLE ON MP-14 OR 37. TUNING: (MO OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: DYNAMOTOR INTEGRAL /12V OR 24V CAR BATTERY. SIMILAR SETS: POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) SCR-210-A USES 1 BC-312: 2 6C5 1 6F6 2 6K7 1 6L7 1 6R7GT 2 6K7GT		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: SIGNAL CORSP SCHOOL & ARMD F REPL TRNG CEN BY BN ARMS. IN ANY VEHICLE WHERE SEPARATE RECEIVER IS REQUIRED. RANGE: (MILES) TO COMMUNICATE WITH: TO REPLACE IN PART: SCR-190 TRANSPORTATION: VEHICLE TYPE OF SIGNAL: CW; TONE; VOICE.	
		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)			
		ITEM	HEIGHT	WIDTH	DEPTH
RADIO RECVR. BC-312 ORIGINAL MODEL USES RECVR. BC-189 (KNOWN AS SCR-210)					UNCLASSIFIED
COMBINED WEIGHT OF COMPONENTS:				71#	
COMBINED VOLUME:				2 CU.FT.	
SHIP TONNAGE:					

SCR-211		NOMENCLATURE DESIGNATION			NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD 3 JUN 36		INSTRUCTIONAL LITERATURE: SCR-211 - TM 11-300, 11-300, J, L, T, Q, AA, AC	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mo) .125 - 20. NUMBER OF CRYSTALS: 2 CRYSTAL DC-9-F. PRESET FREQUENCIES: NONE ANTENNA: 2 TO 3 FOOT No. 12 B&S HARD DRAWN BUS. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: BA-23-(4); BA-2-(6) SIMILAR SETS: POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) SCR-211-C - (1 BC-221-C) 1 TYPE 76 1 TYPE 77 1 TYPE 6A7				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: FOR CALIBRATING AND ADJUSTING AIRCRAFT AND FIELD RADIO SETS. RANGE: (MILES) TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: PORTABLE TYPE OF SIGNAL:				CHANGE IN STATUS:				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)												
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION						
		HEIGHT	WIDTH	DEPTH								
FREQUENCY METER BC-221		13.13	10.13	9.44	17.16							
CRYSTAL UNIT DC-9												
CALIBRATION BOOK MC-177												
COMBINED WEIGHT OF COMPONENTS:					38 (COMPLETE WITH BATTERY)							
COMBINED VOLUME:												
SHIP TONNAGE:												


 RADIO SET SCR-211-B
 Frequency Meter BC-221-B - Ready for Use

THIS SHEET IS CLASSIFIED: **RESTRICTED**

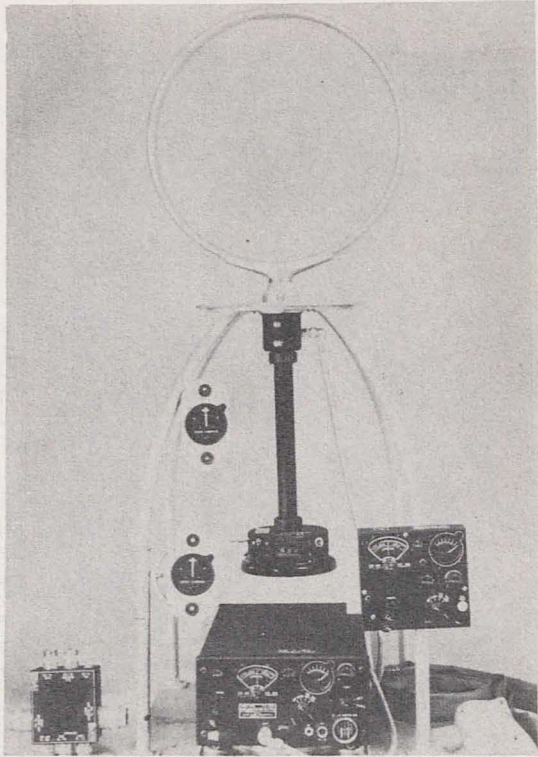
(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

INSTRUCTIONAL LITERATURE:	STATUS:	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:		SCR-237			
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		
		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MO) TRANS.: .2 - 1.5; 2 - 18. REOVR.: 1.5 - 18. NUMBER OF CRYSTALS: PRESET FREQUENCIES: 10 ANTENNA: INVERTED L. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 110V AC 60 CYCLES AUX. POWER EQPT. GASOLINE ENGINE GEN. 110V 60 CYCLES AC, PE-75. SIMILAR SETS: POWER OUTPUT: (WATTS) APPROX. 90 TUBES: (TYPE AND NUMBER) NO TUBE COMPLEMENT AVAILABLE.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: AIR CORPS: ON GROUND - AIR CORPS SQUADRONS. GROUND-TO-AIR, POINT-TO-POINT COMMUNICATION. RANGE: (MILES) 750 USING CW GROUND-TO-AIR. TO COMMUNICATE WITH: SCR-183; SCR-187; SCR-188; SCR-193; SCR-197; SCR-238; SCR-240; SCR-245; SCR-261; SCR-274; SCR-283; SCR-284; SCR-287; SCR-506; SCR-536. TO REPLACE IN PART: SCR-188-A TRANSPORTATION: TRUCK OR CARGO AIRCRAFT - OPERATION AS FIXED STATION. TYPE OF SIGNAL: CW; TONE; VOICE.				
		PRINCIPAL COMPONENTS of RADIO SET SCR-237-43 at LOCATION NO. 2 (Receiver Location) Front View - Set Up for Field Operation		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)				
		ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
				HEIGHT	WIDTH	DEPTH		
		1 TRANSMITTER ANBT-3 (NAVY ATC)						RESTRICTED
		3 RECEIVERS BC-342						UNCLASSIFIED
				(MINIMUM CONSISTENT WITH BEST ENGINEERING PRACTICE)				
		COMBINED WEIGHT OF COMPONENTS:						
		COMBINED VOLUME:						
		SHIP TONNAGE:						

THIS SHEET IS CLASSIFIED: **RESTRICTED**

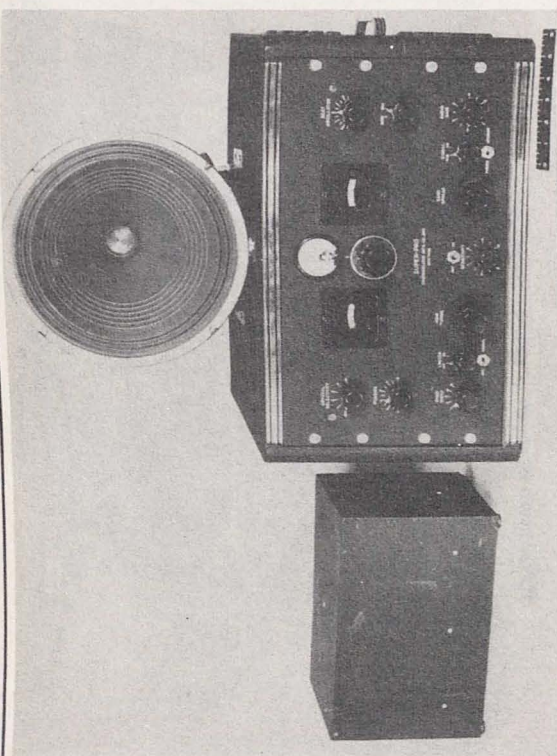
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SCR-242		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	LIMITED STANDARD 10 Nov 42	INSTRUCTIONAL LITERATURE: TO 08-10-11, 21, 27	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MO) .15 - 1.5, 1.75 WITH MODIFICATION KITS. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: --- ANTENNA: VERTICAL MAST 5' OR T, 6' & LOOP ANTENNA MOUNTED ON AIRPLANE WITH REMOTE CONTROL OF ROTATION. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 14 VOLT D.C. AND DYNAMOTOR DM-18 SIMILAR SETS: SCR-186 POWER OUTPUT: (WATTS) RECEIVES ONLY. TUBES: (TYPE AND NUMBER) 1 VT-66 6 VT-86 1 VT-87 1 VT-93 1 VT-94 2 VT-96			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: AURAL RECEPTION OF MODULATED RADIO FREQUENCY ENERGY OR VISUAL UNIDIRECTIONAL, RIGHT-LEFT INDICATION OF THE DIRECTION OF ARRIVAL OF RADIO FREQUENCY ENERGY WITH RESPECT TO THE PLANE OF THE LOOP AND SIMULTANEOUS "ON COURSE" AURAL RECEPTION OF MODULATED RADIO FREQUENCY ENERGY. NAVIGATION & HOMING AID IN AIRCRAFT. RANGE: (MILES) --- TO COMMUNICATE WITH: --- TO REPLACE IN PART: SCR-186 TRANSPORTATION: AIRCRAFT INSTALLATION. TYPE OF SIGNAL: RECEIVES CW; TONE; VOICE.			CHANGE IN STATUS:		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)								
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION			
	HEIGHT	WIDTH	DEPTH					
BC-310-A RADIO COMPASS UNIT	7 1/8	18 1/2	11 5/8	42.1				
BC-311-A RADIO CONTROL BOX	7	7	3 3/4	5.2				
LP-13-A LOOP	23 3/4	20 3/4	2 1/4	3.5				
CS-8-A LOOP MOUNTING	22 1/2	7 1/2	7 1/2	9.2				
M-169-A LOOP MOUNTING CAP	2 1/4	2 1/4	1 5/8	0.2				
I-65 COMPASS INDICATOR	3 1/4	3 1/4	3	1.3				
MC-124 TUNING SHAFT	3/4	3/4		1.8				
MC-127 TUNING UNIT	1 1/2	1 1/2	1 1/4	0.1				
TM-180-A JUNCTION BOX (FOR PLANES WHICH DO NOT CONTAIN BUILT IN PANEL OR JUNCTION BOX).	5 3/8	6 3/4	2 13/16	1.7				
COMBINED WEIGHT OF COMPONENTS:				62.4				
COMBINED VOLUME:				65.1 WITH TM-180-A				
SHIP TONNAGE:				128.25 WITH TM-180-A				
				0.025 APPROX.				

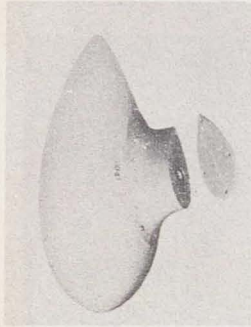
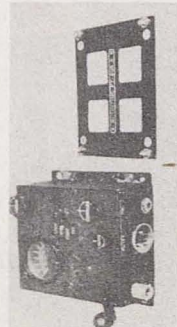
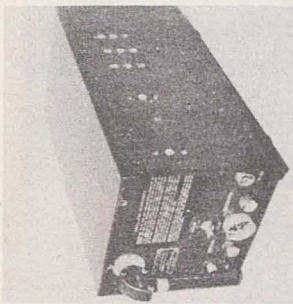
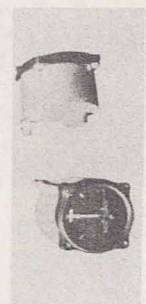


GENERAL VIEW OF SET IN OPERATING POSITION

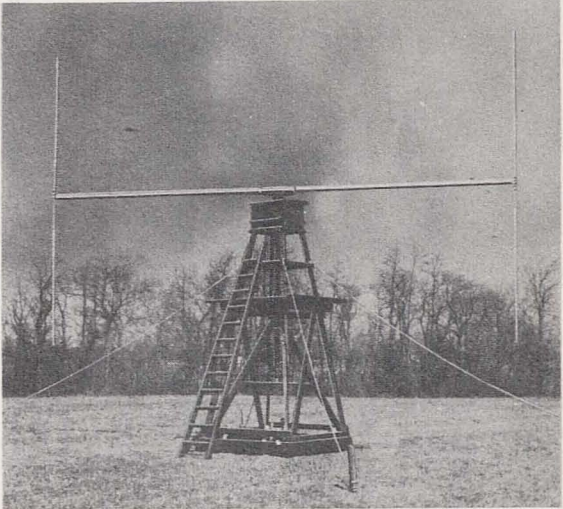
SCR-242 IS AN AIRCRAFT RADIC COMPASS, MANUALLY TUNED FROM LOCAL OR REMOTE STATION.

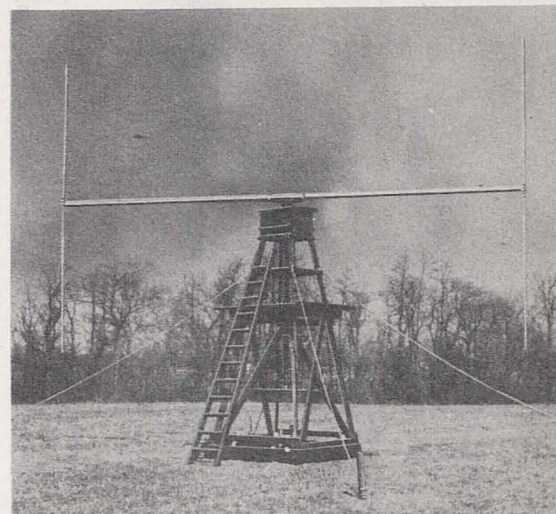
INSTRUCTIONAL LITERATURE:	STATUS:	STANDARD 2 MAR 36	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-244																																								
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)																																							
 <p>RADIO SET SCR-244 (MANUFACTURER'S MODEL) COMPONENTS. SCR-244 COMES IN RACK AND CABINET MOUNTING. COMMERCIAL HAMMARLUND SUPER-PRO RECEIVER.</p>			FREQUENCY RANGE: (Mo) 0.54 - 20 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: TUNING: (MO OR XTAL) NOT APPLICABLE SENSITIVITY: SELECTIVITY: POWER SOURCE: 105/125 VOLTS, A-C SIMILAR SETS: POWER OUTPUT: (WATTS) NOT APPLICABLE TUBES: (TYPE AND NUMBER) 1 VT-65 1 VT-87 1 VT-96 3 VT-66 2 VT-90 1 VT-116 3 VT-86 1 VT-91 3 VT-117		USE: INTERCEPT RECEIVER FOR COMMUNICATION AND MONITORING PURPOSES. RANGE: (MILES) DOES NOT APPLY TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: TYPE OF SIGNAL: AM - CW																																							
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)																																									
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RECEIVER</td> <td>12.25"</td> <td>23"</td> <td>16.5"</td> <td>70#</td> <td></td> </tr> <tr> <td>POWER UNIT</td> <td>8.25"</td> <td>13"</td> <td>8.5"</td> <td>39#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>115#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS:</td> <td></td> <td></td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td></td> <td></td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RECEIVER	12.25"	23"	16.5"	70#		POWER UNIT	8.25"	13"	8.5"	39#		COMBINED WEIGHT OF COMPONENTS:				115#		COMBINED VOLUME OF COMPONENTS:						SHIP TONNAGE:					
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SHIP TONNAGE:																																												

SCR-245	NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	STATUS:	STANDARD 10 JUN 37	INSTRUCTIONAL LITERATURE: TM 11-272	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)			CHANGE IN STATUS:	
<p>FREQUENCY RANGE: (MC) TRANS. 2.0 - 4.5. MAY BE EXTENDED TO 5.2 MC. BY USING TU-25-A. RECVR. 1.5 - 18.0.</p> <p>NUMBER OF CRYSTALS: 4 IN TRANS.</p> <p>PRESET FREQUENCIES: 4</p> <p>ANTENNA: 15 FT., FIVE SECTION FISHPOLE ON FLEXIBLE MAST BASE MP-14 OR 37.</p> <p>TUNING: (MO OR XTAL) BOTH.</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: TRANS.: DYNAMOTOR UNIT 12 V. STORAGE BATTERY. RECVR.: INTEGRAL DYNAMOTOR 12 V. STORAGE BATTERY.</p> <p>SIMILAR SETS:</p> <p>POWER OUTPUT: (WATTS) 10 100% MODULATION.</p> <p>TUBES: (TYPE AND NUMBER) 1 BC-223-A TRANS.: 2 TYPE 801-A & 3 TYPE 46. 1 BC-312 RECVR.: 2-6C5; 1-6 F 6; 2-6 K-7 (NOTE: 6K7GT AUTHORIZED RECENTLY) 2-; 1-6 L 7; 1-6 R 7.</p>		<p>USE: Used by AF, Sig C, Inf, Cav, FA.</p> <p>RANGE: (MILES) CW-45; TONE-35; VOICE 20.</p> <p>TO COMMUNICATE WITH: SCR-131; SCR-171; SCR-177; SCR-187; SCR-193; SCR-203; SCR-209; SCR-210; SCR-238; SCR-245; SCR-259; SCR-287; SCR-288.</p> <p>TO REPLACE IN PART: SCR-189, 193, 199, AND 209.</p> <p>TRANSPORTATION: TRANSPORTED AND OPERATED IN VEHICLES</p> <p>TYPE OF SIGNAL: CW; TONE; VOICE.</p>			VEHICULAR RADIO SET, MOST WIDELY USED MEDIUM RANGE MOBILE SET IN ARMY. TO BE PARTIALLY REPLACED IN AF BY SCR-506, 508 AND 528. SEVERAL MODIFICATIONS ARE AVAILABLE FOR INSTALLATION IN VARIOUS TYPES OF VEHICLES. ISSUE LETTER DENOTES VEHICLE E.G., SCR-245-M IS THE SET FOR LIGHT TANK M3. OTHER DIFFERENCES ARE MAINLY IN CORD LENGTHS. "X" AFTER NOMENCLATURE DENOTES 24 V. EQUIPMENT.	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)						
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	
	HEIGHT	WIDTH	DEPTH			
RADIO TRANS. BC-223	14 1/2"	20 1/8"	8 3/4"	26.5#	UNCLASSIFIED	
RADIO RECVR. BC-312	10 5/8"	18 "	8 5/8"	42 #	UNCLASSIFIED	
VEHICULAR ANTENNA	-	-	-	-	UNCLASSIFIED	
DYNAMOTOR UNIT PE-55	12 "	13 3/8"	7 5/8"	33 #	UNCLASSIFIED	
COMBINED WEIGHT OF COMPONENTS:				285#		
COMBINED VOLUME:				5 Cu.Ft.		
SHIP TONNAGE:						

INSTRUCTIONAL LITERATURE: TO 08-10-39	STATUS:	LIMITED STANDARD 10 Nov 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-246																																																										
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)																																																									
 LOOP LP - 17  CONTROL BOX BC - 374  RADIO COMPASS SCR-246 - PRINCIPAL COMPONENTS  INDICATOR I - 19 NORMALLY CONSUMES 70 WATTS AND SUPPLIES VOLTAGE TO MARKER BEACON RECEIVER.			FREQUENCY RANGE: (Mc) 195 - 420 Ko. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: 8 ^m LOOP & NONDIRECTIONAL (USUALLY VERTICAL) NO LOCAL, ONE REMOTE CONTROL POSITION. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 VOLT STORAGE BATTERY AND DM-29. SIMILAR SETS: SCR-276 EXCEPT FOR INPUT VOLTAGE. POWER INPUT: (WATTS) 70 WATTS CONSUMPTION. TUBES: (TYPE AND NUMBER) SCR-246-A USES 1-BC-373-A 2 - 6C5 4 - 6K7 1 - 6L7 2 - 6J7 2 - 6BB 2 - 6V6		USE: NAVIGATIONAL INSTRUMENT. RADIO COMPASS HOMING DEVICE. PROVIDES VISUAL, UNIDIRECTIONAL, RIGHT-LEFT INDICATION SHOWING DIRECTION OF THE RADIO SIGNAL SOURCE WITH RESPECT TO THE AIRCRAFT HEADING. MAY ALSO BE USED AS A RADIO RANGE OR RADIO BROADCAST RECEIVER PROVIDING AURAL RECEPTION OF MODULATED SIGNALS. RANGE: (MILES) TO COMMUNICATE WITH: RECEIVES ONLY RADIO BEACON TRANSMISSION. TO REPLACE IN PART: TRANSPORTATION: AIRCRAFT INSTALLATION. TYPE OF SIGNAL: MCW																																																									
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO COMPASS UNIT BC-373</td> <td></td> <td></td> <td></td> <td></td> <td>RESTRICTED</td> </tr> <tr> <td>RADIO CONTROL BOX BC-374</td> <td></td> <td></td> <td></td> <td></td> <td>RESTRICTED</td> </tr> <tr> <td>LOOP LP-17</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>INDICATOR</td> <td></td> <td></td> <td></td> <td></td> <td>RESTRICTED</td> </tr> <tr> <td colspan="6">NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLE AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATIONS.</td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>38.5 LBS.</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME:</td> <td>8"</td> <td>8" 15 5/8"</td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td></td> <td></td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO COMPASS UNIT BC-373					RESTRICTED	RADIO CONTROL BOX BC-374					RESTRICTED	LOOP LP-17						INDICATOR					RESTRICTED	NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLE AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATIONS.						COMBINED WEIGHT OF COMPONENTS:				38.5 LBS.		COMBINED VOLUME:				8"	8" 15 5/8"	SHIP TONNAGE:		
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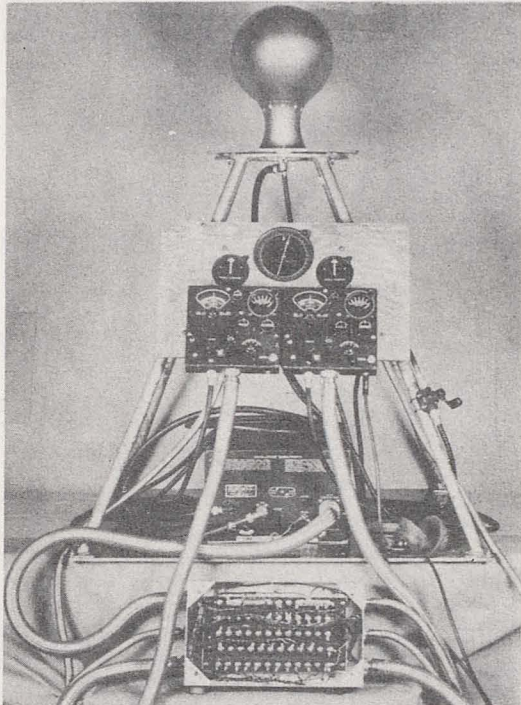
THIS SHEET IS CLASSIFIED: **RESTRICTED**

SCR-255		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	LIMITED STANDARD 11 Jun 42	INSTRUCTIONAL LITERATURE: TM 11-561														
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MO) .54 - 30 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: ADOOCK TUNING: (MO OR XTAL) SENSITIVITY: 20 - 100 MICROVOLTS/METER SELECTIVITY: POWER SOURCE: 6V STORAGE BATTERY. SIMILAR SETS: NONE POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) <table style="display: inline-table; vertical-align: top; margin-left: 10px;"> <tr> <td>1</td><td>VT-66</td> <td>3</td><td>VT-86</td> </tr> <tr> <td>3</td><td>VT-91</td> <td>1</td><td>VT-99</td> </tr> <tr> <td>1</td><td>VT-126</td> <td>1</td><td>VT-163</td> </tr> </table>			1	VT-66	3	VT-86	3	VT-91	1	VT-99	1	VT-126	1	VT-163	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: FOR USE IN THE FIELD TO LOCATE ENEMY TRANSMITTERS. RANGE: MEDIUM TO COMMUNICATE WITH: TO REPLACE IN PART: NONE TRANSPORTATION: CARGO TRUCK TYPE OF SIGNAL:			CHANGE IN STATUS:			
1	VT-66	3	VT-86																		
3	VT-91	1	VT-99																		
1	VT-126	1	VT-163																		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																					
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																
	HEIGHT	WIDTH	DEPTH																		
REMOTE CONTROL UNIT	99"	23"	20"	50#																	
ADDOCK ANTENNA		24"		172#																	
RADIO RECVR. BC-903				51#																	
TARGET TRANS. BC-904				21 1/2#																	
TOWER TR-19	8 1/4'	6'	6'	705#																	
INCLUDING SERIES OF CHESTS, BATTERIES, VIBRATOR ETC.				2974#																	
COMBINED WEIGHT OF COMPONENTS:																					
COMBINED VOLUME OF COMPONENTS:																					
SHIP TONNAGE:																					



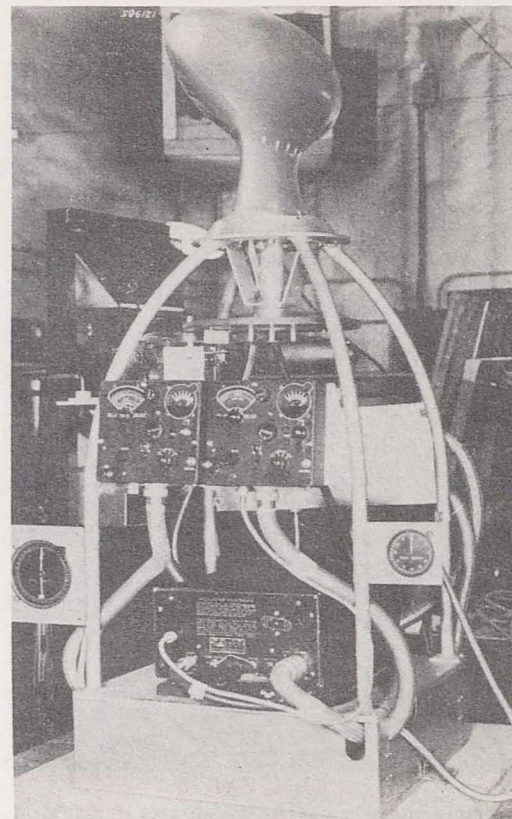
RADIO SET SCR-255
BEAM MOUNTED FOR OPERATION

RECEIVER AND ANTENNA AT TOP OF 12-FOOT TOWER AND IS OPERATED BY
REMOTE CONTROL UNIT AT GROUND LEVEL.

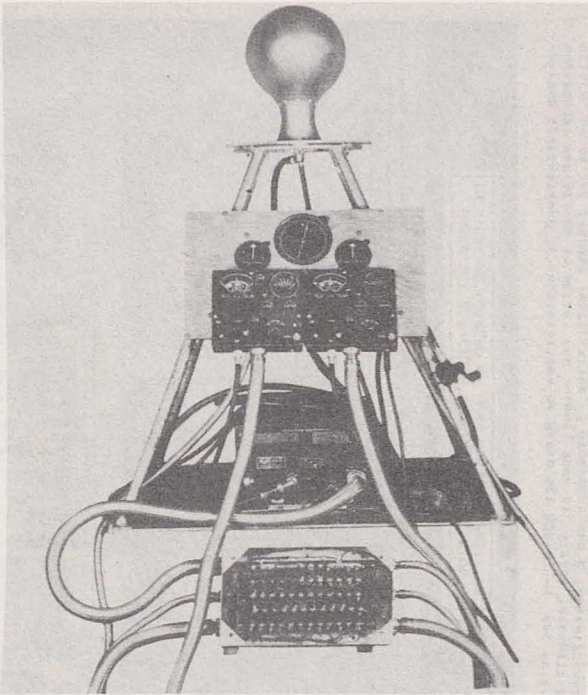
INSTRUCTIONAL LITERATURE: TO 08-10-64	STATUS:	LIMITED STANDARD 10 Nov 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-263			
	CHANGE IN STATUS:		<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (Kc) 200 TO 1,750 (IN 3 BANDS)</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES:</p> <p>ANTENNA: 8" LOOP & NONDIRECTIONAL ANTENNA WITH ONE OR TWO REMOTE CONTROL POSITIONS.</p> <p>TUNING: (MO OR XTAL) MO</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 24 TO 28 VOLTS DC (2.65 TO 3 AMPERES) STORAGE BATTERY IN AIRCRAFT.</p> <p>SIMILAR SETS: SCR-242-B, SCR-280, SCR-273</p> <p>POWER OUTPUT: (WATTS) RECEIVES ONLY.</p> <p>TUBES: (TYPE AND NUMBER) SCR-263-A USES 1-BC-443-A 1 - 6F6 1 - 6SC7 6 - 6K7 1 - 6L7 1 - 6BB 1 - 6J5 1 - 6N7</p>	<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: PROVIDES: VISUAL, UNIDIRECTIONAL, RIGHT- LEFT INDICATION OF THE DIRECTION OF ARRIVAL OF RADIO FREQUENCY ENERGY WITH RESPECT TO THE PLANE OF THE LOOP AND SIMULTANEOUS "ON COURSE" AURAL RECEPTION OF MODULATED RADIO FREQUENCY ENERGY. AURAL RECEPTION OF MODULATED RADIO FREQUENCY USING A NON- DIRECTIVE ANTENNA, AURAL RECEPTION OF MODULATED RADIO FREQUENCY USING LOOP ANTENNA, AURAL NULL INDICATIONS OF DIRECTION OF ARRIVAL OF MODULATED RADIO FREQUENCY USING LOOP ANTENNA.</p> <p>RANGE: (MILES)</p> <p>TO COMMUNICATE WITH:</p> <p>TO REPLACE IN PART:</p> <p>TRANSPORTATION: AIRCRAFT INSTALLATION.</p> <p>TYPE OF SIGNAL: CW & MCW.</p>			
	PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)						
	ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
			HEIGHT	WIDTH	DEPTH		
	BC-443-A RADIO COMPASS UNIT		7 7/8	12	19 13/16	42.0	
2 BC-444-A RADIO CONTROL BOX		7 1/2	7 1/2	3 15/16	4.0 EA.		
LP-19-A LOOP		25 5/8	13 1/2	9	7.06		
1-65-D COMPASS INDICATOR		3 1/4	3 1/4	4 9/32	1.6		
1-75 INDICATOR		5 1/8	5 1/8	2 11/16	1.37		
NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.							
COMBINED WEIGHT OF COMPONENTS:					56.59		
COMBINED VOLUME:					5327 CU IN.		
SHIP TONNAGE:					0.0445 T		

RADIO COMPASS SCR-263-A. GENERAL VIEW OF SET

SCR-269		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 25 JAN 40	INSTRUCTIONAL LITERATURE: TO 08-10-110, 175	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Kc) 200 to 1,750 Kc. COVERED IN 3 BANDS: 200 - 410; 410 - 850; 850 - 1,750. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ANTENNA: 8" LOOP & FIXED VERTICAL MAST WITH ONE OR TWO REMOTE CONTROL POSITIONS AND AUTOMATIC ROTATION. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 24 VOLT BATTERY, 12 VOLT BATTERY. SIMILAR SETS: SCR-263 EXCEPT AUTOMATIC FEATURES. POWER OUTPUT: (WATTS) RECEIVES ONLY. TUBES: (TYPE AND NUMBER) SCR-269-A USES: 2 VT-66 1 VT-94 1 VT-74 1 VT-96 1 VT-86 1 VT-105 1 VT-87 2 VT-109 2 VT-93			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: NAVIGATIONAL INSTRUMENT. PROVIDES AUTOMATIC BEARING INDICATION OF THE DIRECTION OF ARRIVAL OF RADIO FREQUENCY ENERGY AND SIMULTANEOUS AURAL RECEPTION OF MODULATED RADIO FREQUENCY, DIRECTIONAL ANTENNA, AURAL RECEPTION OF MODULATED RADIO FREQUENCY USING LOOP ANTENNA. SCR-269-C HAS PROVISION FOR RECEPTION OF UNMODULATED R.F. IN ALL THE ABOVE CASES. RANGE: (MILES) TO COMMUNICATE WITH: TO REPLACE IN PART: SCR-242, 263, 280 TRANSPORTATION: AIRCRAFT INSTALLATION TYPE OF SIGNAL: CW, MCW, VOICE.		CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)								
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION			
	HEIGHT	WIDTH	DEPTH					
RADIO COMPASS UNIT BC-433-A	7 7/8	12	19 13/16	46.87 LBS.				
2 RADIO CONTROL BOX BC-434-A	7 1/2	7 1/2	3 15/16	3.76				
LOOP LP-21-A	25 3/8	14 31/32	9	10.37				
INDICATOR I-81-A	3 1/4	3 1/4	3 11/16	.75				
INDICATOR I-82-A	5 1/8	5 1/8	4 3/32	1.19				
RELAY BK-22-A OR E	11 3/4	7	3	6.40				
NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.								
COMBINED WEIGHT OF COMPONENTS:				73.10 LBS.				
COMBINED VOLUME:				5121 cu. in.				
SHIP TONNAGE:				0.0296T				

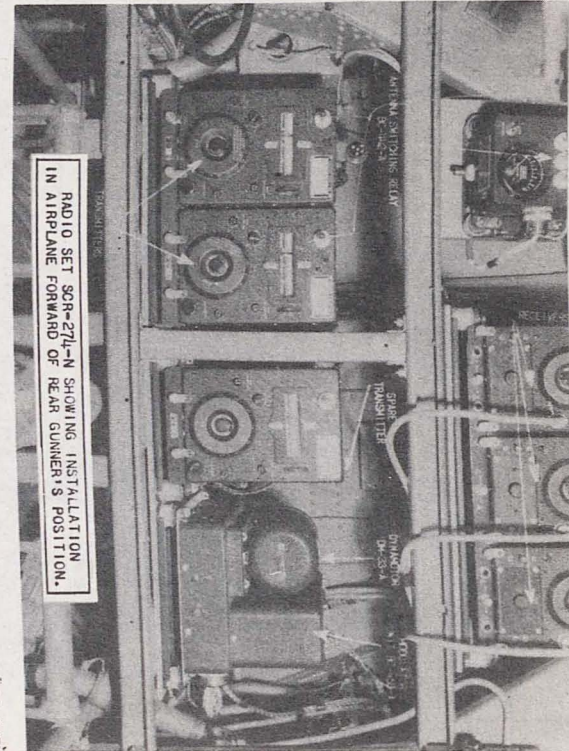


RADIO COMPASS SCR-269

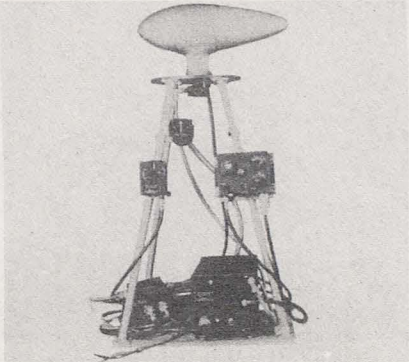
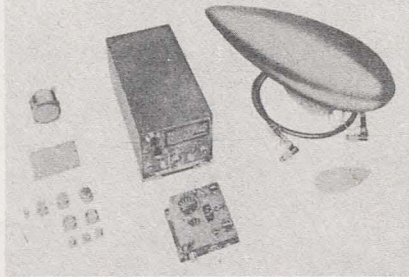
INSTRUCTIONAL LITERATURE: TO 08-10-43.	STATUS: CHANGE IN STATUS:	LIMITED STANDARD 10 Nov 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: <h1 style="text-align: right;">SCR-273</h1>																																																																							
			<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (Kc) 150 TO 1,500 COVERED IN 3 BANDS.</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES:</p> <p>ANTENNA: 8" LOOP AND FIXED NONDIRECTIONAL MAST. ROTATABLE LOOP WITH TWO REMOTE CONTROL POSITIONS.</p> <p>TUNING: (MO OR XTAL) MO</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 12 TO 14 VOLTS DC</p> <p>SIMILAR SETS: SCR-263 EXCEPT SCR-273 USES 12 - 14 VOLT SUPPLY.</p> <p>POWER OUTPUT: (WATTS) RECEIVES ONLY.</p> <p>TUBES: (TYPE AND NUMBER) SCR-273-A USES 1-BC-413-A: 1 - 6F6 1 - 6V5 6 - 6K7 1 - 6N7 1 - 6L7 1 - 6SC7 1 - 6B8</p>	<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: PROVIDES: VISUAL, UNIDIRECTIONAL, RIGHT-LEFT INDICATION OF THE ARRIVAL OF RADIO FREQUENCY ENERGY WITH RESPECT TO THE LOOP AND SIMULTANEOUS "ON COURSE" AURAL RECEPTION OF MODULATED RADIO FREQUENCY ENERGY, AURAL RECEPTION OF MOD. R.F. USING A NON-DIRECTIONAL ANTENNA, AURAL RECEPTION OF MODULATED R.F. USING LOOP ANTENNA, AURAL-NULL DIRECTIONAL INDICATIONS OF THE ARRIVAL OF MODULATED R.F. WITH RESPECT TO THE PLANE OF THE LOOP ANTENNA.</p> <p>RANGE: (MILES)</p> <p>TO COMMUNICATE WITH:</p> <p>TO REPLACE IN PART:</p> <p>TRANSPORTATION: AIRCRAFT INSTALLATION.</p> <p>TYPE OF SIGNAL: CW, MCW, VOICE.</p>																																																																							
			<p>PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)</p>																																																																								
<p>RADIO COMPASS SCR - 273 PRINCIPAL COMPONENTS</p>			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO COMPASS UNIT BC-413-A</td> <td>7 7/8</td> <td>12</td> <td>19 13/16</td> <td>42.00</td> <td></td> </tr> <tr> <td>2 RADIO CONTROL BOX BC-414-A</td> <td>7 1/2</td> <td>7 1/2</td> <td>3 15/16</td> <td>4 EA.</td> <td></td> </tr> <tr> <td>LOOP LP-19-A</td> <td>25 3/8</td> <td>13 1/2</td> <td>9</td> <td>7.06</td> <td></td> </tr> <tr> <td>2 COMPASS INDICATOR I-65-C</td> <td>3 1/4</td> <td>3 1/4</td> <td>3 29/32</td> <td>1.75</td> <td></td> </tr> <tr> <td>INDICATOR I-75A</td> <td>5 1/8</td> <td>5 1/8</td> <td>2 11/16</td> <td>1.85</td> <td></td> </tr> <tr> <td>RELAY BK-21-A</td> <td>11</td> <td>7</td> <td>3</td> <td>5.94</td> <td></td> </tr> <tr> <td colspan="5">NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.</td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td colspan="2">72.124</td> </tr> <tr> <td colspan="4">COMBINED VOLUME:</td> <td colspan="2">12" 7 7/8" 19 13/16" 5740.25 cu. in.</td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td colspan="2">0.003 T</td> </tr> </tbody> </table>				ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO COMPASS UNIT BC-413-A	7 7/8	12	19 13/16	42.00		2 RADIO CONTROL BOX BC-414-A	7 1/2	7 1/2	3 15/16	4 EA.		LOOP LP-19-A	25 3/8	13 1/2	9	7.06		2 COMPASS INDICATOR I-65-C	3 1/4	3 1/4	3 29/32	1.75		INDICATOR I-75A	5 1/8	5 1/8	2 11/16	1.85		RELAY BK-21-A	11	7	3	5.94		NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.						COMBINED WEIGHT OF COMPONENTS:				72.124		COMBINED VOLUME:				12" 7 7/8" 19 13/16" 5740.25 cu. in.		SHIP TONNAGE:				0.003 T	
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THIS SHEET IS CLASSIFIED: RESTRICTED

SCR-274-N		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 20 SEP 40	INSTRUCTIONAL LITERATURE: (HMI) TO 08-10-50	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) Trans: 4.0-5.3; 5.3-7.0; 7.0-9.1. Recvr: .19-.55; 3.0-6.0; 6.0-9.1. NUMBER OF CRYSTALS: 1 CALIBRATING CRYSTAL PER TRANS. FOR 3.0-9.1 Mc. PRESET FREQUENCIES: 1 ON EACH TRANS. ANTENNA: LONG FORE & AFT "INVERTED L" OR "T" TUNING: (MO OR XTAL) MO ON H.F. SENSITIVITY: SELECTIVITY: POWER SOURCE: 22 TO 30 V. POWER SOURCE -DC POWER FROM AIRPLANE. SIMILAR SETS: SUPERBEEDES SCR-261, 283, 183. POWER OUTPUT: (WATTS) 40 CW; 20 VOICE; TUBES: (TYPE AND NUMBER) 1 BC-456-A MODULATOR UNIT: 1 VT-135; 1 VT-136; 1 VT-139. 3 SETS FOR RCVR: 3 VT-131; 1 VT-132; 1 VT-133; 1 VT-134. 2 SETS FOR TRANS.: 2 VT-136; 1 VT-137; 1 VT-138.			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: FOR INTERCOMMUNICATION AS A COMMAND SET. PLANE-TP PLANE, PLANE-TO- CONTROL TOWER. RANGE: (Miles) 150 CW; 75 VOICE (APPROX.) TO COMMUNICATE WITH: PLANE & CONTROL TOWER. TO REPLACE IN PART: SCR-183, 283. TRANSPORTATION: AIRBORNE INSTALLATION. TYPE OF SIGNAL: VOICE, CW, MCW AMPLITUDE MODULATED.		CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)								
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION		
		HEIGHT	WIDTH	DEPTH				
REOVR. BC-453-A; BC-454-A; BC-455-A; BC-946-A EA- (3 REOVR) CONTROL BOX BC-450-A		7 11/32"	4 27/32"	10 23/32"	9.0#	RESTRICTED	VARIOUS COMBINATIONS OF INSTALLATIONS OF RADIO SET SCR-274-N ARE POSSIBLE WITH CONSEQUENT VARIATIONS IN WEIGHT AND VOLUME. IN AIRCRAFT AS, 1 EACH TRANSMITTER AND RECEIVER, OR AS THE AVERAGE INSTALLATION, 3 RECEIVERS AND 2 TRANSMITTERS. SCR-522 SET SCR-274-N IS BEING REPLACED IN FIGHTER AIRCRAFT BY VHF COMMAND SET.	
(1 REOVR) CONTROL BOX BC-473-A		4 1/8"	3 1/4"	5 15/32"	2.7#	RESTRICTED		
(2 REOVR) CONTROL BOX BC-496-A		4 1/8"	6 3/8"	5 11/32"	1.0#	RESTRICTED		
TRANS. BC-457-A; BC-458-A; BC-459-A; BC-696-A. EA.		8 13/16"	5 1/2"	11 13/16"	1.7#	RESTRICTED		
CONTROL BOX BC-451-A		3 7/32"	4 3/8"	4 3/8"	8.8#	RESTRICTED		
MODULATOR UNIT BC-456-A		7 11/16"	8 1/8"	10 1/8"	1.0#	RESTRICTED		
ANTENNA RELAY UNIT BC-442-A		6 9/16"	5 5/8"	5"	9.0#	RESTRICTED		
*WEIGHT FOR INSTALLATION OF 3 REOVR. AND 2 TRANS.		COMPLETE.			76#			
NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, SETS VARY CONSIDERABLY AND THE FIGURES SHOWN		BOTH WEIGHTS AND VOLUMES OF ARE THEREFORE APPROXIMATE.			COMPLETE			
COMBINED WEIGHT OF COMPONENTS:								
COMBINED VOLUME OF COMPONENTS:					4 1/3	CU. FT. APPROX.		
SHIP TONNAGE:						AVERAGE INSTALLATION		

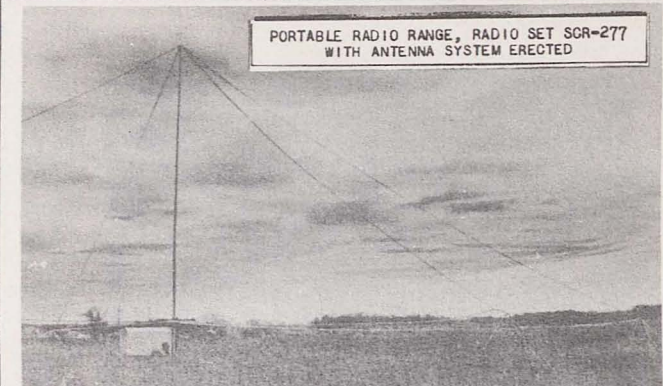
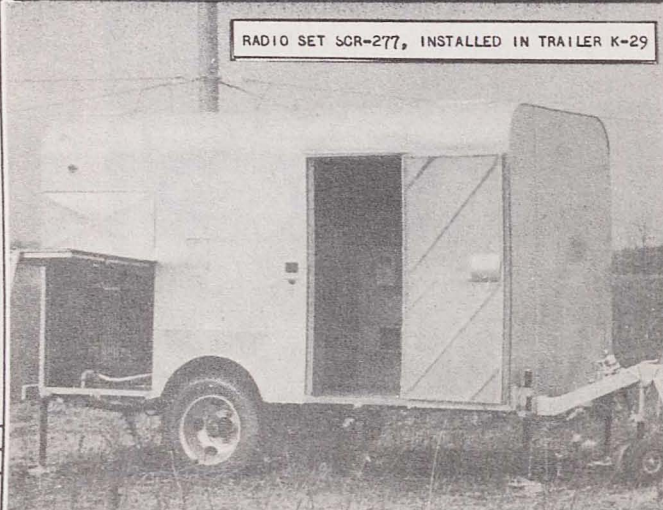


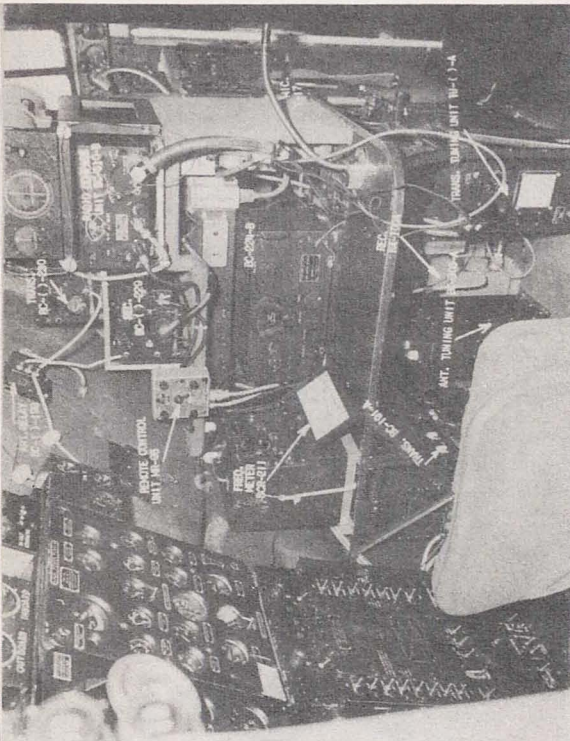
THIS SHEET IS CLASSIFIED: RESTRICTED

INSTRUCTIONAL LITERATURE: TO 08-10-45	STATUS: CHANGE IN STATUS:	LIMITED STANDARD 10 Nov 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-276																																							
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Kc) 195 to 420 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ANTENNA: 8" LOOP AND NONDIRECTIONAL FIXED ANTENNA. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 24 to 28 VOLTS DC AND DM-39-A. SIMILAR SETS: SCR-246-A EXCEPT SCR-276 24 - 28 VOLT SUPPLY. POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) SCR-276-A USES 1 BC-383-A: 2 - 6C5 4 - 6K7 1 - 6L7 2 - 6J7 2 - 688 2 - 6V6		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: NAVIGATIONAL INSTRUMENT. PROVIDES VISUAL, UNIDIRECTIONAL RIGHT-LEFT INDICATION SHOWING THE DIRECTION OF THE RADIO SIGNAL SOURCE WITH RESPECT TO THE AIRCRAFT HEADING. MAY ALSO BE USED AS A RADIO RANGE OR WEATHER BROADCAST RECEIVER PROVIDING AURAL RECEPTION OF MODULATED RADIO SIGNALS. ALSO SUPPLIES VOLTAGE TO MARKER BEACON RECEIVER. RANGE: (MILES) TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: AIRCRAFT INSTALLATION. TYPE OF SIGNAL: CW, MCW																																						
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NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE. <table border="1"> <tbody> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td>46.22</td> <td></td> </tr> <tr> <td>COMBINED VOLUME:</td> <td>8"</td> <td>8"</td> <td>15 5/8"</td> <td>3686.2</td> <td></td> </tr> <tr> <td>SHIP TONNAGE:</td> <td></td> <td></td> <td></td> <td>.0212 T</td> <td></td> </tr> </tbody> </table>				COMBINED WEIGHT OF COMPONENTS:				46.22		COMBINED VOLUME:	8"	8"	15 5/8"	3686.2		SHIP TONNAGE:				.0212 T																							
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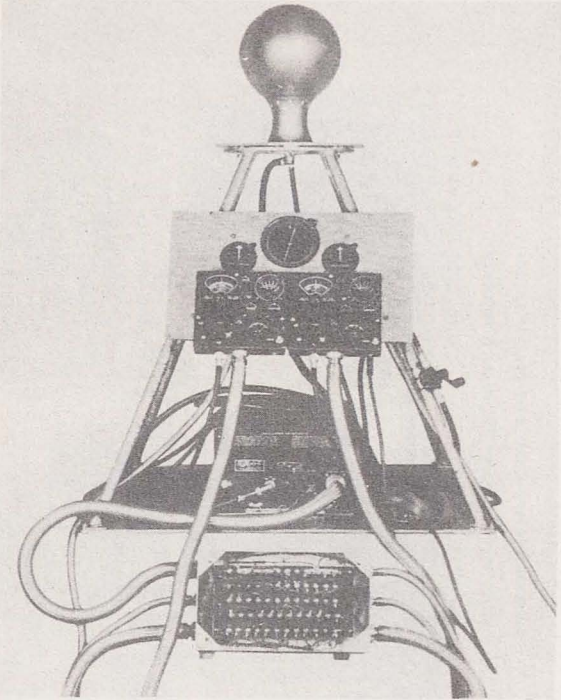
 RADIO COMPASS SCR-276 SHOWING MAJOR COMPONENTS
 REMOTE STARTING AND STOPPING CONTROL

THIS SHEET IS CLASSIFIED: **RESTRICTED**

SCR-277		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 9 Jun 41	INSTRUCTIONAL LITERATURE: (HMI) 08-10-10 (on SCR-277-A, B, C)		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 0.2 - 0.4 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: CROSSED LOOPS 70 FEET HIGH TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: POWER UNIT PE-90 OR 110V 50 - 60 CYCLES. SIMILAR SETS: NONE POWER OUTPUT: (WATTS) 800 TUBES: (TYPE AND NUMBER) 2 VT-100 (807) 1 VT-154 (814) 1 F-128-A 1 VT-145 (5Z3) 2 VT-46-A 866/866-A 2 VT-42-A F-872-A			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: HIGH POWER MOBILE RADIO RANGE STATION FOR RADIO GUIDANCE OF AIRCRAFT. USES A-N KEYING. RANGE: AT LEAST 300 MILES. TO COMMUNICATE WITH: ANY 0.2 - 0.4 Mc. RECEIVER. TO REPLACE IN PART: NONE TRANSPORTATION: MOBILE IN K-29 TRAILER. TYPE OF SIGNAL: CW, MCW, VOICE.		CHANGE IN STATUS:				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)									
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	 <p>PORTABLE RADIO RANGE, RADIO SET SCR-277 WITH ANTENNA SYSTEM ERECTED</p>			
	HEIGHT	WIDTH	DEPTH						
ANTENNA TUNING UNIT BC-469	33"	24"	16"	14.1#	RESTRICTED	 <p>RADIO SET SCR-277, INSTALLED IN TRAILER K-29</p>			
GONIOMETER UNIT BC-468	44"	22"	29"	23.4#	RESTRICTED				
MAST MA-4-A	76'	7" DIA.		250#	RESTRICTED				
POWER UNIT PE-90	51"	36"	35"	1075#	RESTRICTED				
RADIO TRANSMITTER BC-467	49"	54"	22"	555#					
TRAILER K-29	200"	76"	106"	3359#					
RADIO RECEIVER BC-342	18"	9"	10"	61#					
COMBINED WEIGHT OF COMPONENTS:				7000#					
COMBINED VOLUME OF COMPONENTS:				875 CU. FT.					
SHIP TONNAGE:				3.5					

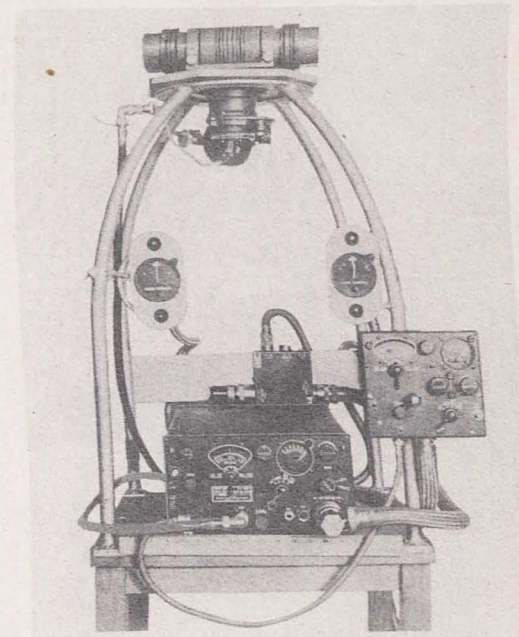
INSTRUCTIONAL LITERATURE: TM 11-200	STATUS:	LIMITED STANDARD 13 Nov 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-283		
CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Kc) RECEIVING- 201-398 Kc, 4150-7700 Kc. TRANSMITTING- 2500-7700 Kc. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: RECVR: 5 FT. VERTICAL MAST. TRANS: "T" OR "L" TYPE 16 TO 18 FT. LONG. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 24 VOLT PLANE BATTERY SIMILAR SETS: SCR-183 EXCEPT 24 V. POWER OUTPUT: (WATTS) VOICE 3.3; MCW 3.2; CW 4.0. TUBE: (TYPE AND NUMBER) SCR-AL-283 USES: 4 TYPE 39 1 TYPE 37 1 TYPE 38 2 TYPE 10 2 TYPE 45 SPL.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: COMMAND SET - PLANE-TO-PLANE; PLANE-TO- GROUND COMMUNICATIONS. RANGE: (MILES) 30-45 MILES PLANE-TO-PLANE. 10-20 MILES PLANE-TO-GROUND. TO COMMUNICATE WITH: OTHER EQUIPMENT WITHIN RANGE COVERING SAME FREQUENCIES. TO REPLACE IN PART: TRANSPORTATION: AIRBORNE TYPE OF SIGNAL: TONE, VOICE			
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">RADIO SET SCR-283 SHOWING RADIO OPERATOR'S POSITION</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">CALIBRATING CRYSTAL DC-10 MAY BE USED WITH TRANSMITTER BC-430. RADIO SET SCR-283 IS BEING REPLACED BY RADIO SET SCR-274-N AND/OR SCR-522.</p>		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)					
		ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
			HEIGHT	WIDTH	DEPTH		
RADIO RECVR. BC-429	7 5/8	8 1/4	15 11/16	12			
RADIO TRANS. BC-430	7 5/8	6 5/8	13 1/4	10.2			
DYNAMOTOR BD-93				9.9			
RADIO CONTROL BOX BC-231	4 5/8	4	2 7/16	.9			
RADIO CONTROL BOX BC-232	2 7/16	4	4 5/8	.9			
ANTENNA SW. RELAY BC-408	4 9/16	4 5/8	2 3/4	1.1			
2 RECVR COIL SETS (ONE IS A DUAL COIL)							
6 TRANS COIL SETS.							
COMBINED WEIGHT OF COMPONENTS:				43.3# (INCLUDING MINOR COMB)			
COMBINED VOLUME:				1.5 CU.FT.			
SHIP TONNAGE:							

SCR-284		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.			STATUS:	LIMITED STANDARD 28 JAN 44	INSTRUCTIONAL LITERATURE: TM 11-275-A
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)			CHANGE IN STATUS:			
<p>FREQUENCY RANGE: (Mo) 3.8 to 5.8</p> <p>NUMBER OF CRYSTALS: 1 IN CALIBRATOR.</p> <p>PRESET FREQUENCIES: NONE</p> <p>ANTENNA: 15' FIVE SECTION FISHPOLE TYPE FOR TRUCK USE. 25' EIGHT SECTION FISHPOLE WHEN STATIONARY OR FOR FIELD USE. L TYPE WIRE</p> <p>TUNING: (MO:OR XTAL) MO WITH XTAL CALIBRATOR.</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: HAND GENERATOR GN-45-A OR POWER UNIT PE-103 (12 VOLT) REOVR. BY DRY BATTERIES OR POWER CONVERTER UNIT PE-104 (6 OR 12 V.)</p> <p>SIMILAR SETS: SCR-288</p> <p>POWER OUTPUT: (WATTS) HIGH POWER: CW-20; VOICE-5 LOW POWER: CW-8; VOICE-2.</p> <p>TUBES: (TYPE AND NUMBER) 1 BC-654-A TRANS. & REOVR. 4 3Q5GT; 1 1-H 5 GT; 3 1-N 5 GT; 1 1-A 7 GT. TRANS: 4 3Q 5 GT; 2 307-A.</p>		<p>USE: INFANTRY, FIELD ARTILLERY, SIGNAL CORPS. ON GROUND OR IN VEHICLE. FOR COMMAND PURPOSES FROM DIV. Hq. DOWN TO AND INCLUDING BATTALIONS. FOR COMMUNICATIONS WITH TANK DESTROYER UNITS.</p> <p>RANGE: (MILES) CW-30; VOICE-7.</p> <p>TO COMMUNICATE WITH: SCR-131; SCR-161; SCR-183; SCR-274-N; SCR-284; SCR-288; SCR-536.</p> <p>TO REPLACE IN PART: SCR-131; SCR-161; SCR-171; SCR-288.</p> <p>TRANSPORTATION: TWO OR THREE MEN, OR IN VEHICLE.</p> <p>TYPE OF SIGNAL: CW; VOICE.</p>						
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)								
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION			
	HEIGHT	WIDTH	DEPTH					
REOVR. & TRANS. BC-654	14 "	18 "	9 3/4"	44#	UNCLASSIFIED			
GENERATOR GN-45	9 "	6 1/4"	6 3/4"	22#	UNCLASSIFIED			
POWER UNIT PE-103	12 3/4"	16 1/2"	5 1/2"	53#	UNCLASSIFIED			
REMOTE CONTROL UNIT RM-29	6 1/4"	10 1/8"	8 1/2"	15#	UNCLASSIFIED			
COMBINED WEIGHT OF COMPONENTS:				250#				
COMBINED VOLUME:								
SHIP TONNAGE:								

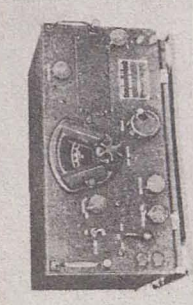
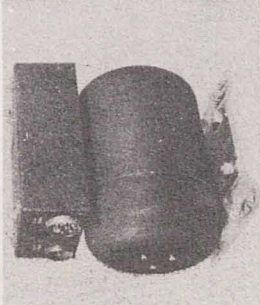
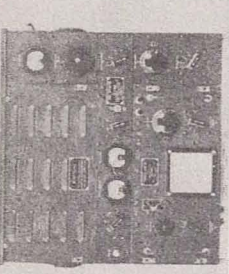
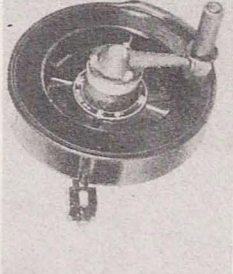
INSTRUCTIONAL LITERATURE: TO 08-10-93	STATUS:	LIMITED STANDARD 10 Nov 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-280			
	CHANGE IN STATUS:						
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)		
			FREQUENCY RANGE: (Kc) 200 TO 1,750 COVERED IN 3 BANDS. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ANTENNA: 8" LOOP AND FIXED NONDIRECTIONAL (MANUALLY OPERATED) TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 VOLTS DC SIMILAR SETS: SCR-265 WHICH OPERATES FROM 24 - 28 VOLT POWER SOURCE SCR-273-A EXCEPT FREQUENCY. POWER OUTPUT: (WATTS) RECEPTION ONLY. TUBES: (TYPE AND NUMBER) SCR-280-A USES: 1 - 6F6 1 - 6J5 6 - 6K7 1 - 6N7 1 - 6L7 1 - 6SC7 1 - 6BB		USE: PROVIDES: VISUAL, UNIDIRECTIONAL, RIGHT- LEFT INDICATION, AURAL RECEPTION OF MODULATED RADIO FREQUENCY ENERGY USING LOOP ANTENNA, AURAL RECEPTION OF MODULATED R.F. USING NONDIRECTIONAL ANTENNA, AURAL HULL DI- RECTIONAL INDICATIONS OF THE ARRIVAL OF MODULATED RADIO FREQUENCY ENERGY WITH RESPECT TO THE PLANE OF THE LOOP USING A LOOP ANTENNA. RANGE: (MILES) TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: AIRCRAFT INSTALLATION. TYPE OF SIGNAL: CW; MCW.		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)							
		ITEM		DIMENSIONS		WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH			
		7 7/8	12	19 13/16	42.0		
		7 1/2	7 1/2	3 15/16	8.0 (4# EA.)		
		25 3/8	13 1/2	9	7.06		
		3 1/4	3 1/4	4 9/32	3.2 (1.6# EA.)		
NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND FIGURES SHOWN ARE THEREFORE APPROXIMATE.							
COMBINED WEIGHT OF COMPONENTS:					71.824		
COMBINED VOLUME:					5824 Cu. In. APPROX.		
SHIP TONNAGE:					0.0338 T		

RADIO COMPASS SCR - 280
PRINCIPAL COMPONENTS

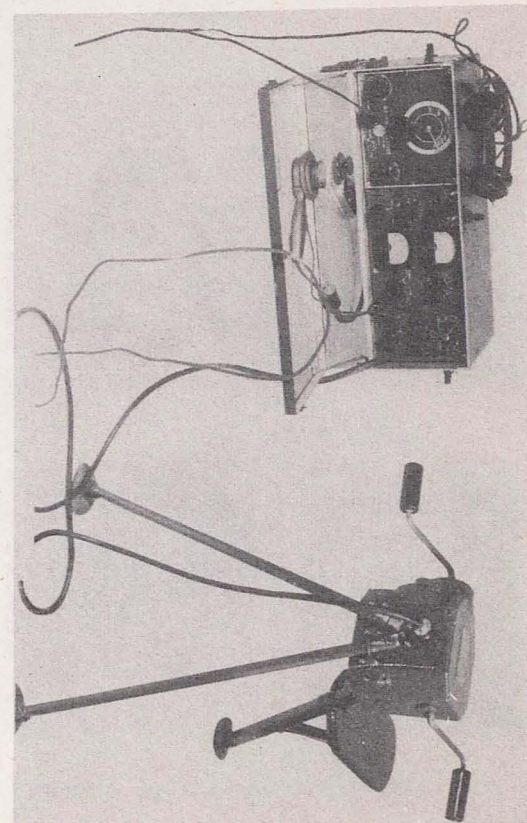
SCR-282		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	LIMITED STANDARD 10 Nov 42	INSTRUCTIONAL LITERATURE: TO 08-10-27
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Kc) 150 - 1,500 Kc. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: LOOP AND FIXED VERTICAL ANTENNA. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 24 - 28 VOLTS DC, AIRCRAFT BATTERY. SIMILAR SETS: SCR-242 WHICH USES 12 VOLT POWER SOURCE. POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 1 VT-86 6 VT-86 1 VT-87 1 VT-93 1 VT-94 2 VT-96		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: TO PROVIDE AURAL RECEPTION OF MODULATED RADIO FREQUENCY ENERGY OR VISUAL, UNI-DIRECTIONAL, RIGHT-LEFT INDICATION OF THE DIRECTION OF ARRIVAL OF RADIO FREQUENCY ENERGY WITH RESPECT TO THE PLANE OF THE LOOP AND SIMULTANEOUS "ON COURSE", AURAL RECEPTION OF MODULATED RADIO FREQUENCY. RANGE: (MILES) TO COMMUNICATE WITH: TO REPLACE IN PART: SCR-186 TRANSPORTATION: AIRCRAFT INSTALLATION TYPE OF SIGNAL: CW & MCW		CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)							
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION		
	HEIGHT	WIDTH	DEPTH				
RADIO COMPASS UNIT BC-310	7	12	20 1/2	45.3			
RADIO CONTROL BOX BC-311	7 1/2	7 1/2	3 15/16	4.3			
LOOP LP-18-C				7.1			
INDICATOR I-75-A							
NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.							
COMBINED WEIGHT OF COMPONENTS:				65# APPROX.			
COMBINED VOLUME:							
SHIP TONNAGE:							

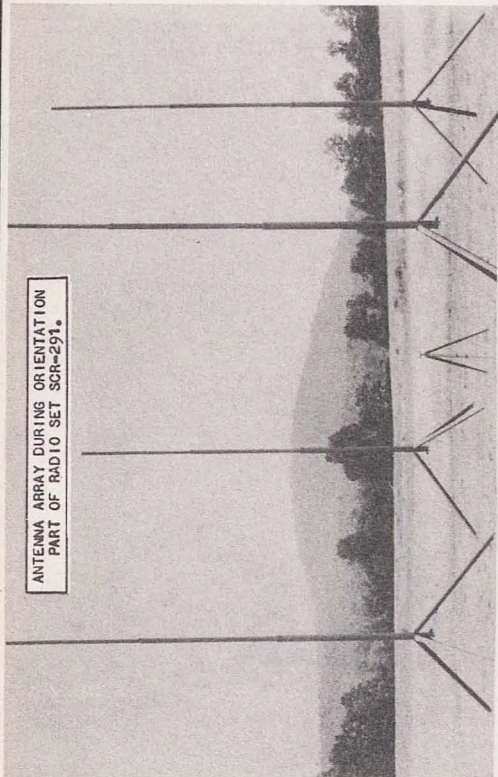


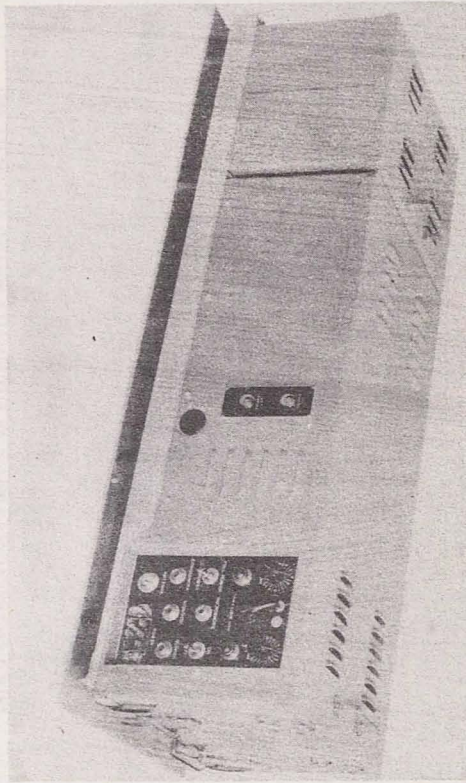
RADIO COMPASS SCR-282 IN OPERATING POSITION - SHOWING COMPONENTS

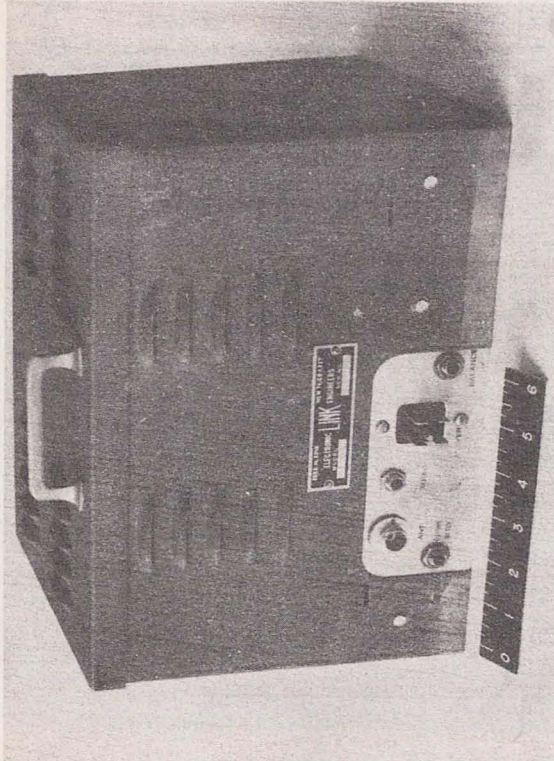
INSTRUCTIONAL LITERATURE: BC-348-C - TO 08-10-47 BC-375-C - TO 08-10-60	STATUS:	SCR-287-A STANDARD 31 Oct 39	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	<h1>SCR-287</h1>																																																																											
CHANGE IN STATUS:	PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)																																																																												
 <p>RADIO RECEIVER BC-348-B</p>  <p>DYNAMOTOR UNIT PE-73-B</p>			<p>FREQUENCY RANGE: 1.5 - 18 RECVR. Mc. TRANS. - 1.5 - 12.5 Mc.; 260-500 Kc.; 650-1500 Kc.</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES: NONE</p> <p>ANTENNA: TRAILING WIRE ANTENNA.</p> <p>TUNING: (MO OR XTAL) MO</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 24 VOLTS, DC AND PE-73</p> <p>SIMILAR SETS: SCR-187 EXCEPT 12 V.</p> <p>POWER OUTPUT: (WATTS) 60 @ 12 Mc/s, 30 @ 1.5 Mc/s.</p> <p>TUBES: (TYPE AND NUMBER) SCR-287-A USES: TRANS: 4 VT-4-C RECVR: 1 VT-4B 1 VT-25 1 VT-65 1 VT-70 3 VT-86 1 VT-91 1 VT-93</p>			<p>USE: AIRBORNE LIAISON SET. AIR-TO-AIR, AIR-TO-GROUND COMMUNICATION.</p> <p>RANGE: (MILES) 50 TO SEVERAL HUNDRED MILES.</p> <p>TO COMMUNICATE WITH: SCR-188; SCR-193; SCR-197 AND SCR-299.</p> <p>TO REPLACE IN PART:</p> <p>TRANSPORTATION: INSTALLED IN AIRCRAFT.</p> <p>TYPE OF SIGNAL: CW; MCW; VOICE.</p>																																																																										
 <p>RADIO TRANSMITTER BC-375-C</p>  <p>REEL RL-30-B</p>			<p>PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)</p> <table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO RECEIVER BC-348-C</td> <td>18</td> <td>10 1/2</td> <td>9 1/2</td> <td>35.2</td> <td></td> </tr> <tr> <td>RADIO TRANSMITTER BC-375-C</td> <td>21 21/32</td> <td>23 1/8</td> <td>9 5/16</td> <td>53</td> <td></td> </tr> <tr> <td>ANTENNA TUNING UNIT BC-306-A</td> <td>17 3/4</td> <td>9 1/2</td> <td>9 1/8</td> <td>9.75</td> <td></td> </tr> <tr> <td>DYNAMOTOR UNIT PE-73-B</td> <td>11</td> <td>11</td> <td>7 1/2</td> <td>39</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-5-A</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-6-A</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-7-A</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-8-A</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-9-A</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-10-A</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-22-A</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> </tbody> </table> <p>NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.</p> <p>COMBINED WEIGHT OF COMPONENTS: 250# APPROX.</p> <p>COMBINED VOLUME: 6 CU.FT. APPROX.</p> <p>SHIP TONNAGE:</p>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO RECEIVER BC-348-C	18	10 1/2	9 1/2	35.2		RADIO TRANSMITTER BC-375-C	21 21/32	23 1/8	9 5/16	53		ANTENNA TUNING UNIT BC-306-A	17 3/4	9 1/2	9 1/8	9.75		DYNAMOTOR UNIT PE-73-B	11	11	7 1/2	39		TRANSMITTER TUNING UNIT TU-5-A	7 5/8	16 3/4	8 3/4	13		TRANSMITTER TUNING UNIT TU-6-A	7 5/8	16 3/4	8 3/4	13		TRANSMITTER TUNING UNIT TU-7-A	7 5/8	16 3/4	8 3/4	13		TRANSMITTER TUNING UNIT TU-8-A	7 5/8	16 3/4	8 3/4	13		TRANSMITTER TUNING UNIT TU-9-A	7 5/8	16 3/4	8 3/4	13		TRANSMITTER TUNING UNIT TU-10-A	7 5/8	16 3/4	8 3/4	13		TRANSMITTER TUNING UNIT TU-22-A	7 5/8	16 3/4	8 3/4	13	
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																																																											
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TRANSMITTER TUNING UNIT TU-6-A	7 5/8	16 3/4	8 3/4	13																																																																												
TRANSMITTER TUNING UNIT TU-7-A	7 5/8	16 3/4	8 3/4	13																																																																												
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SCR-288		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	INSTRUCTIONAL LITERATURE: TM 11-250.
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: TRANS.: 3.5 - 6.3. (Mc) RECVR.: 2.3 - 6.5 (Mc) NUMBER OF CRYSTALS: PRESET FREQUENCIES: ANTENNA: 35' STRAIGHT INSULATED WIRE WITH COUNTERPOISE. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: TRANS: GENERATOR GN-44. RECVR. GENERATOR GN-44 OR DRY BATTERIES. SIMILAR SETS: SCR-284. POWER OUTPUT: (WATTS) 4 75% MODULATION ON VOICE AND CW. TUBES: (TYPE AND NUMBER) SCR-288 Uses: 3 VT-107 1 VT-146 1 VT-147 1 VT-148 1 VT-149			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: INF: B, REGT. BN. FA: Div. ARTY, REGT, BN. SIG C: Co. RANGE: (MILES) STATIONARY: 30 USING CW; 15 USING VOICE. TO COMMUNICATE WITH: SCR-131; SCR-161; SCR-193; SCR-238; SCR-245. TO REPLACE IN PART: SCR-131; 161; 171. TRANSPORTATION: 2 MAN LOAD. TYPE OF SIGNAL: CW; VOICE.		CHANGE IN STATUS:	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)						
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	
	HEIGHT	WIDTH	DEPTH			
RADIO TRANS. & RECVR. BC-474	18"	9 1/2"	7 1/2"	84#		
COMBINED WEIGHT OF COMPONENTS:				84#		
COMBINED VOLUME:						
SHIP TONNAGE:						


 RADIO SET SCR-288
 Prepared for Operation

INSTRUCTIONAL LITERATURE:	STATUS:	STANDARD 20 Nov 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-291																																																															
	CHANGE IN STATUS:																																																																			
 <p>ANTENNA ARRAY DURING ORIENTATION PART OF RADIO SET SCR-291.</p>			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																																															
			<p>FREQUENCY RANGE: (Mc) 2 - 10</p> <p>NUMBER OF CRYSTALS: DOES NOT APPLY</p> <p>PRESET FREQUENCIES: DOES NOT APPLY</p> <p>ANTENNA: MODIFIED U ADHOOK</p> <p>TUNING: (MO OR XTAL) DOES NOT APPLY</p> <p>SENSITIVITY: 10 MICROVOLTS/METER FOR 10DB SIGNAL/ NOISE RATIO.</p> <p>SELECTIVITY:</p> <p>POWER SOURCE: 110V. AC PORTABLE GENERATOR (KOHLER 1M-21A)</p> <p>SIMILAR SETS: SCR-502</p> <p>POWER OUTPUT: (WATTS) DOES NOT APPLY</p> <p>TUBES: (TYPE AND NUMBER) SEE NOTE *</p>		<p>USE: TO DIRECT FLIGHT OF FRIENDLY PLANES AND DETECT DIRECTION OF ENEMY TRANSMITTERS, PARTICULARLY AIRCRAFT.</p> <p>RANGE: LONG</p> <p>TO COMMUNICATE WITH: DOES NOT APPLY.</p> <p>TO REPLACE IN PART: SCR-551 IN PART.</p> <p>TRANSPORTATION: AIR</p> <p>TYPE OF SIGNAL: DOES NOT APPLY.</p>																																																															
<p>THIS DIRECTION FINDER EMPLOYS AN ELECTRICALLY ROTATED GONIOMETER AND GIVES INSTANTANEOUS INDICATION OF BEARING, PERMITTING EVALUATION OF WORTH OF BEARING. PURCHASED EXCLUSIVELY FOR AAF AND LEND-LEASE.</p> <p>* TECHNICAL CHARACTERISTICS: (TUBES, TYPE & NUMBER) RADIO RECEIVER BC-1117; 1 5U4G (VT-244); 1 6H6 VT-20; 1 6U5 (VT-94); 1 6SA7 (VT-150); 1 6SJ7 (VT-116); 1 6SH7; 4 6SK7 (VT-117); 1 6SQ7 (VT-103) 1 8V6-GT (VT-107-A); 1 VR-150-30 (VT-159); TARGET TRANSMITTER BC-1119; 1 1R5 (VT-171); 1 1291 (VT- 182) CONTROL PANEL PN-31; 1 2X2 (VT-119); 1 5U4G (VT-244); 1 6AC7 (VT-112); 1 6L6G (VT-115); 1 VR-105- 30 (VT-200); PHASE INVERTER MC-411; (DIRECTIONAL) 5 7VT. PHASE INVERTER MC-413 (SENSE) 4 7VT. BE- ARING INDICATOR BC-1159; 1 SYLVANIA 5BP1.</p>			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																																																	
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>1 CHEST CH-161 CONTAINING: 1 REOVR. BC-1147 1 CONTROL PANEL PN-31 1 TELEPHONE PANEL PN-32 1 RACK FM-61</td> <td>37"</td> <td>28"</td> <td>29"</td> <td>400#</td> <td></td> </tr> <tr> <td>1 CHEST CH-162 CONTAINING: 1 GONIOMETER MC-412 1 BEARING INDICATOR BC-1159</td> <td>26"</td> <td>16"</td> <td>48"</td> <td>212#</td> <td></td> </tr> <tr> <td>3 CRATES CONTAINING: 1 SHELTER HO-20 (D/F) (EACH)</td> <td>17"</td> <td>40"</td> <td>73"</td> <td>595#</td> <td></td> </tr> <tr> <td>1 CRATE CONTAINING: 1 SHELTER HO-19 (POWER UNIT)</td> <td>14"</td> <td>49"</td> <td>63"</td> <td>368#</td> <td></td> </tr> <tr> <td>3 CRATES CONTAINING: 7 ANTENNA EQUIPMENT RC-225 (EACH)</td> <td>21"</td> <td>22"</td> <td>112"</td> <td>390#</td> <td></td> </tr> <tr> <td>2 POWER UNITS, KOHLER 1M-21A (EACH) 1 GASOLINE HEATER, EVANS HV-203000 OTHER ASSOCIATED EQUIPMENT INCLUDING R.F. CABLES, REELS, TEST EQUIPMENT.</td> <td>35"</td> <td>15"</td> <td>37"</td> <td>497#</td> <td></td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td>6900#</td> <td></td> </tr> <tr> <td>COMBINED VOLUME OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td>350 Cu.Ft.</td> <td></td> </tr> <tr> <td>SHIP TONNAGE:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	1 CHEST CH-161 CONTAINING: 1 REOVR. BC-1147 1 CONTROL PANEL PN-31 1 TELEPHONE PANEL PN-32 1 RACK FM-61	37"	28"	29"	400#		1 CHEST CH-162 CONTAINING: 1 GONIOMETER MC-412 1 BEARING INDICATOR BC-1159	26"	16"	48"	212#		3 CRATES CONTAINING: 1 SHELTER HO-20 (D/F) (EACH)	17"	40"	73"	595#		1 CRATE CONTAINING: 1 SHELTER HO-19 (POWER UNIT)	14"	49"	63"	368#		3 CRATES CONTAINING: 7 ANTENNA EQUIPMENT RC-225 (EACH)	21"	22"	112"	390#		2 POWER UNITS, KOHLER 1M-21A (EACH) 1 GASOLINE HEATER, EVANS HV-203000 OTHER ASSOCIATED EQUIPMENT INCLUDING R.F. CABLES, REELS, TEST EQUIPMENT.	35"	15"	37"	497#		COMBINED WEIGHT OF COMPONENTS:				6900#		COMBINED VOLUME OF COMPONENTS:				350 Cu.Ft.		SHIP TONNAGE:		
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SHIP TONNAGE:																																																																				

SCR-293		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	LIMITED STANDARD 23 APR 43	INSTRUCTIONAL LITERATURE: IB - Stock # 608293		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)			CHANGE IN STATUS:			
FREQUENCY RANGE: (Mc) 20.0 - 27.9 NUMBER OF CRYSTALS: 5 IN REOVR. 5 IN TRANS. PRESET FREQUENCIES: 5 ANTENNA: 9' FISHPOLE AN-42-A TYPE TO BE MOUNTED ON TURRET (WITH 2' EXTENSION FOR LOWER FREQ). TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 OR 24 V - VEHICULAR BATTERY. SIMILAR SETS: SCR-508 POWER OUTPUT: (WATTS) HIGH POWER-25 WATTS. LOW POWER-1/2 WATT TUBES: (TYPE AND NUMBER) SCR-293-A USES: 4 6AC7 1 12K8 5 12A6 1 12H6 7 12SJ7 2 12SA7 1 1625 2 12SL7GT			USE: AF: IN TANK UNITS UP TO Bns. RANGE: (MILES) 5 MOVING; 7 STATIONARY. TO COMMUNICATE WITH: SCR-293; SCR-294; SCR-508; SCR-509; SCR-510; SCR-528; SCR-538. TO REPLACE IN PART: SCR-193; SCR-245. TRANSPORTATION: TANK TYPE OF SIGNAL: VOICE (FM)			 <p style="writing-mode: vertical-rl; transform: rotate(180deg);"> RADIO RECEIVER AND TRANSMITTER BC-500 PART OF RADIO SET SCR-293 SHORT RANGE, VEHICULAR FM TRANSMITTER AND RECEIVER REPLACED BY SCR-508. USES THROAT MICROPHONE </p>			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)									
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION				
	HEIGHT	WIDTH	DEPTH						
LINK TRANS., REOVR. TYPE, 25 UFX, AND SEPARATE REOVR. TYPE, 11 TKR. RADIO REOVR. & TRANS. BC-500 REOVR. BC-499.	12" x 14 1/2" x 3 1/4"			115#	UNCLASSIFIED	TO BE PLACED IN LEFT SPONSON OF LIGHT TANK (2.6 CU. FT.)			
COMBINED WEIGHT OF COMPONENTS:									
COMBINED VOLUME:									
SHIP TONNAGE:									

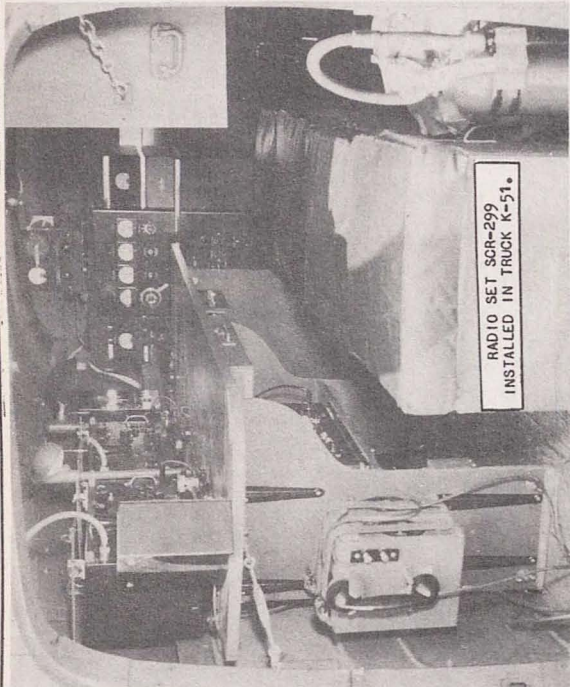
INSTRUCTIONAL LITERATURE:	STATUS:	LIMITED STANDARD 23 APR 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	<h1>SCR-294</h1>			
	CHANGE IN STATUS:		<p style="text-align: center;">PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (Mc) 20.0 - 27.9 (RECEIVER ONLY)</p> <p>NUMBER OF CRYSTALS: 5 (RECVR.)</p> <p>PRESET FREQUENCIES: 5</p> <p>ANTENNA: 9' FISHPOLE (AN-42-A)</p> <p>TUNING: (MO OR XTAL)</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 12 OR 24 V CAR BATTERY.</p> <p>SIMILAR SETS: SCR-538</p> <p>POWER OUTPUT: (WATTS)</p> <p>TUBES: (TYPE AND NUMBER) SCR-294-A USES: 2 12K8 2 6AC7 2 12SJ7 2 12A6 1 12SL7GT 2 12H6</p>	<p style="text-align: center;">PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: AF: IN TANKS AND VEHICLES.</p> <p>RANGE: (MILES)</p> <p>TO COMMUNICATE WITH: SCR-293; SCR-508; SCR-509; SCR-510; SCR-528.</p> <p>TO REPLACE IN PART: SCR-210</p> <p>TRANSPORTATION: TANKS AND VEHICLES.</p> <p>TYPE OF SIGNAL: FM RECEIVER.</p>			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)							
		ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH			
 <p style="font-size: small; text-align: center;">RADIO SET, SCR-294, RADIO RECEIVER BC-499. FRONT VIEW (VEHICULAR FM RECEIVER, REPLACED BY SCR-538)</p>		RADIO RECVR. BC-499	14"	14 1/2"	3 1/2"	56#	UNCLASSIFIED
		COMBINED WEIGHT OF COMPONENTS:					56#
COMBINED VOLUME:					0.6 CU.FT.		
SHIP TONNAGE:							

SCR-298		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 21 Nov 43	INSTRUCTIONAL LITERATURE: IB - Stock # 6D 8293			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 30 - 40 NUMBER OF CRYSTALS: 1 PRESET FREQUENCIES: 1 (NO SELECTION) ANTENNA: WHIP TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: 6 V VEHICULAR BATTERY. SIMILAR SETS: SCR-293 POWER OUTPUT: (WATTS) 25 TUBES: (TYPE AND NUMBER) EARLY MODEL USES: 1 EARLY LINK 11-UF MODEL REOVR. - 2 6K8; 1 6C8G; 2 6AC7/1852; 2 6SJ7; 2 6H6; 1 6V6; 1 6K6GT. 1 EARLY LINK 25 UFM MODEL TRANS. - 4 7C7; 2 7A8; 1 7C5; 1 807. NOTE: INFORMATION AVAILABLE STATES SCR-298 LATE MODEL USES: 1 35UFM (ED 2 OR 3); 1 11UF (ED 3).			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: USED BY UMPIRE PERSONNEL. RANGE: (MILES) STATIONARY-10; MOVING-7. TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610; SCR-628; SCR-808; SCR-828. TO REPLACE IN PART: TRANSPORTATION: VEHICLE TYPE OF SIGNAL: VOICE (FM)			CHANGE IN STATUS:				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)										
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION					
	HEIGHT	WIDTH	DEPTH							
TRANS. 25-UFM	9 "	17 "	8 1/4"	29 #						
REOVR. 11-UF	9 "	13 "	7 1/2"	17 1/2#						
POWER UNIT VPA-3A	8 1/2"	4 1/4"	5 "	7 1/4#						
COMBINED WEIGHT OF COMPONENTS:										
COMBINED VOLUME:										
SHIP TONNAGE:										

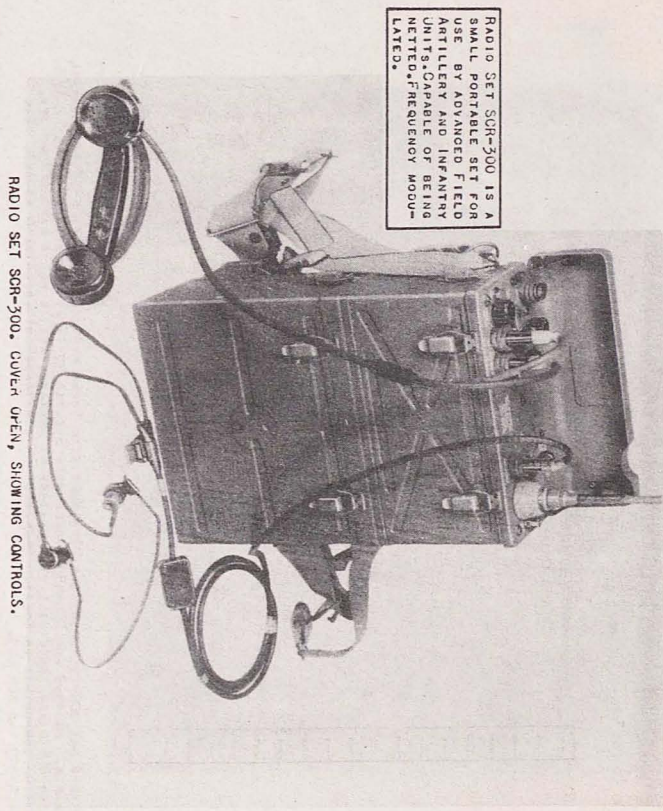
TYPICAL U.F. MOBILE INSTALLATION

NOTE: ALL CONTROL CABLES ARE SHIELDED AND SHIELDS ARE GROUNDED AT TRANSMITTER AND RECEIVER. SHIELDS SHOULD NOT BE BONDED TO BODY OF CAR AT ANY OTHER PLACE.

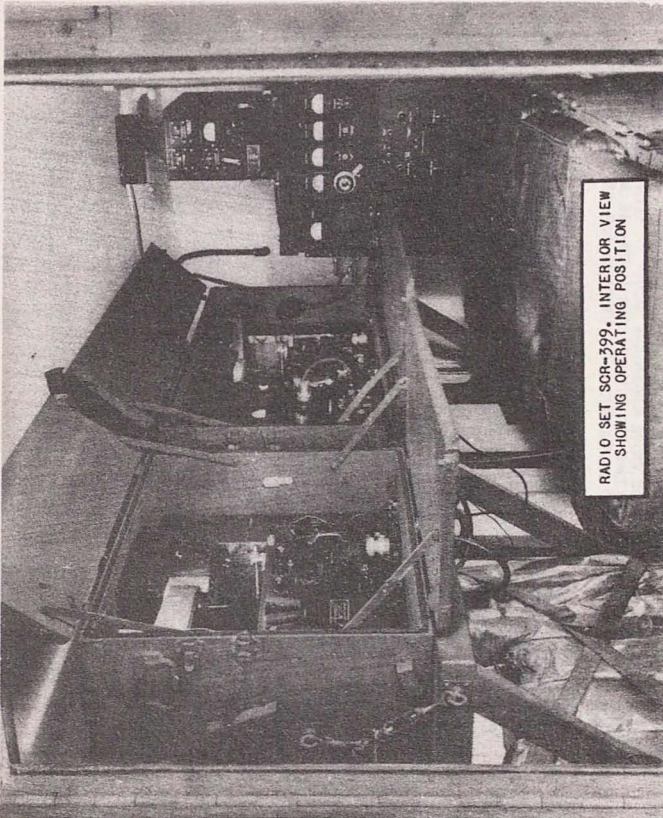
ENGINEER'S DRAWING OF SCR-298 COMPONENTS, SHOWING INTERCONNECTIONS.

INSTRUCTIONAL LITERATURE: SCR-299-A, B - TM 11-280-B SCR-299-C - IB Stock No. SCR-299-D - IB Stock No. SCR-299-E	STATUS: CHANGE IN STATUS:	LIMITED STANDARD 16 Jul 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-299																																															
 <p data-bbox="673 631 714 854">RADIO SET SCR-299 INSTALLED IN TRUCK K-51.</p> <p data-bbox="787 438 870 1193" style="writing-mode: vertical-rl; transform: rotate(180deg);">RADIO SET SCR-299-(A, B, C, & D) ISSUED WITH TRUCK K-51 AND TRAILER K-52 AS INTEGRAL PARTS. SCR-299 AND SCR-499 ISSUED WITH SHELTER HO-17 AS A COMPONENT PART. 2 1/2 TON 6X6 CARGO TRUCK WILL BE FURNISHED BY ORDNANCE BUT IS NOT A PART OF THE SET. MAJOR COMPONENTS IN CHEST. PACKAGED FOR AIR TRANSPORT (SPECIAL D MODEL). SEE SCR-399 AND SCR-499.</p>		<p data-bbox="953 284 1284 331">PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p data-bbox="911 346 1305 392">FREQUENCY RANGE: (Mc) TRANS.: 2 - 8.0 RECVR.: 1.5 - 18.0</p> <p data-bbox="911 377 1232 392">NUMBER OF CRYSTALS: 36 FURNISHED.</p> <p data-bbox="911 408 1118 423">PRESET FREQUENCIES: 3</p> <p data-bbox="911 438 1212 454">ANTENNA: WHIP OR LONG WIRE.</p> <p data-bbox="911 469 1170 485">TUNING: (MO OR XTAL) BOTH</p> <p data-bbox="911 500 1253 515">SENSITIVITY: SELECTIVITY:</p> <p data-bbox="911 531 1284 546">POWER SOURCE: COMMERCIAL 110V AC OR 95.</p> <p data-bbox="911 562 1212 577">SIMILAR SETS: SCR-399; SCR-499.</p> <p data-bbox="911 592 1295 608">POWER OUTPUT: (WATTS) 400 CW; 300 VOICE.</p> <p data-bbox="911 646 1377 746">TUBES: (TYPE AND NUMBER) SCR-299-A USES: 1 BC-312- - 2 6C5; 1 6F6; 4 6K7; 1 6L7; 1 6R7; 1 BC-342- - 2 6C5; 1 6F6; 4 6K7; 1 6L7; 1 6R7; 1 5W4; 1 BC-614-B - 3 6SN7GT; 1 6SR7; 1 6SQ7; 1 6J5; 1 80. 1 BC-610-B - 1 6V6; 1 6L6; 2 807; 1 250; 2 100; 2 2A3; 2 5Z3; 2 866A; 3 VR150-30.</p>	<p data-bbox="1471 284 1813 331">PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p data-bbox="1419 346 1854 392">USE: SIGNAL CORPS, AIRFORCE, FIELD ARTILLERY, CALVARY, INFANTRY. COMPONENTS INSTALLED IN VEHICLES.</p> <p data-bbox="1419 500 1740 515">RANGE: (MILES) 250-CW; 100-VOICE.</p> <p data-bbox="1419 531 1895 608">TO COMMUNICATE WITH: SCR-177; SCR-183; SCR-187; SCR-193; SCR-197; SCR-209; SCR-237; SCR-258; SCR-245; SCR-274-N; SCR-283; SCR-284; SCR-285; SCR-287; SCR-288; SCR-506; SCR-511; SCR-536; SCR-543; SCR-583.</p> <p data-bbox="1419 608 1667 623">TO REPLACE IN PART: SCR-197</p> <p data-bbox="1419 639 1895 700">TRANSPORTATION: POWER UNITE PE-95 IN 1 TON TRAILER. SHELTER HO-17 WITH COMPONENTS INSTALLED MOUNTS ON 2 1/2 TON, 6X6 CARGO TRUCK (TRUCK NOT PART OF SET) (LONG WHEELBASE).</p> <p data-bbox="1419 716 1709 731">TYPE OF SIGNAL: CW; VOICE (AM)</p>																																																
		<p data-bbox="1212 770 1533 808">PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)</p> <table border="1" data-bbox="880 808 1895 1162"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>TRANS. BC-610</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>RECVR. BC-312 & BC-342</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>SPEECH AMPLIFIER BC-614-A, B, C, D.</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>ANT. TUNING UNIT BC-729</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>POWER UNITE PE-95</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>TRUCK K-51</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>TRAILER K-52</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> </tbody> </table> <p data-bbox="911 1170 1792 1185">COMBINED WEIGHT OF COMPONENTS: (RADIO COMPONENTS ONLY) 1000# APPROX.</p> <p data-bbox="911 1193 1087 1208">COMBINED VOLUME:</p> <p data-bbox="911 1224 1046 1239">SHIP TONNAGE:</p>	ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	TRANS. BC-610					UNCLASSIFIED	RECVR. BC-312 & BC-342					UNCLASSIFIED	SPEECH AMPLIFIER BC-614-A, B, C, D.					UNCLASSIFIED	ANT. TUNING UNIT BC-729					UNCLASSIFIED	POWER UNITE PE-95					UNCLASSIFIED	TRUCK K-51					UNCLASSIFIED	TRAILER K-52			
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																														
	HEIGHT	WIDTH	DEPTH																																																
TRANS. BC-610					UNCLASSIFIED																																														
RECVR. BC-312 & BC-342					UNCLASSIFIED																																														
SPEECH AMPLIFIER BC-614-A, B, C, D.					UNCLASSIFIED																																														
ANT. TUNING UNIT BC-729					UNCLASSIFIED																																														
POWER UNITE PE-95					UNCLASSIFIED																																														
TRUCK K-51					UNCLASSIFIED																																														
TRAILER K-52					UNCLASSIFIED																																														

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

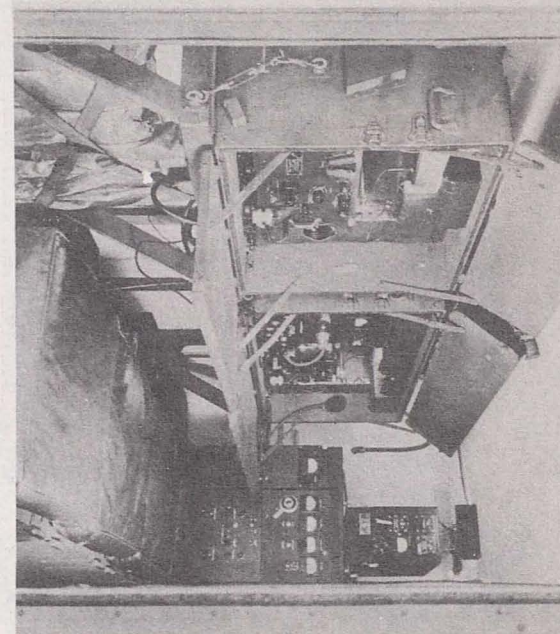
SCR-300		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 27 Oct 42	INSTRUCTIONAL LITERATURE:	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 40.0 - 48.0 NUMBER OF CRYSTALS: 2 PRESET FREQUENCIES: NONE ANTENNA: FISHPOLE TYPE. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: LIGHT OR HEAVY DUTY (FOR LONGER OPERATIONAL HOURS) PLUG-IN TYPE DRY CELL BATTERY CONTAINING THE VOLTAGES FOR ALL TUBE ELEMENTS IN ONE UNIT. SIMILAR SETS: SCR-194 AND SCR-195 POWER OUTPUT: (WATTS) APPROXIMATELY 1 TUBES: (TYPE AND NUMBER) VHF PORTABLE. 1 BC-1000 USES: 1 - 1-R-5 1 - 1-A-3 3 - 1-S-5 5 - 1-L-4 6 - 1-T-4 2 - 3-A-4			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: INFANTRY, FIELD ARTILLERY, COAST ARTILLERY, ADVANCED FIELD ARTILLERY, COAST ARTILLERY AND INFANTRY UNITS. RANGE: (MILES) 3 TO 5. TO COMMUNICATE WITH: SCR-300 ONLY. TO REPLACE IN PART: SCR-194 AND SCR-195. TRANSPORTATION: MAN-PACK. TYPE OF SIGNAL: FM - VOICE.		STATUS:	STANDARD 27 Oct 42	INSTRUCTIONAL LITERATURE: TM 11-242	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)					CHANGE IN STATUS:			
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	 <p>RADIO SET SCR-300 IS A SMALL PORTABLE SET FOR USE BY ADVANCED FIELD ARTILLERY AND INFANTRY UNITS, CAPABLE OF BEING NETTED. FREQUENCY MODULATED.</p> <p>RADIO SET SCR-300, COVER OPEN, SHOWING CONTROLS.</p>		
	HEIGHT	WIDTH	DEPTH					
RECEIVER AND TRANSMITTER BC-1000	15"	10"	6"	17#				
BATTERY BA-70				15#				
BATTERY BA-80				10#				
ANTENNA AN-130								
ANTENNA AN-131								
COMBINED WEIGHT OF COMPONENTS:								
COMBINED VOLUME OF COMPONENTS:					1200			
SHIP TONNAGE:					CU. FT.			

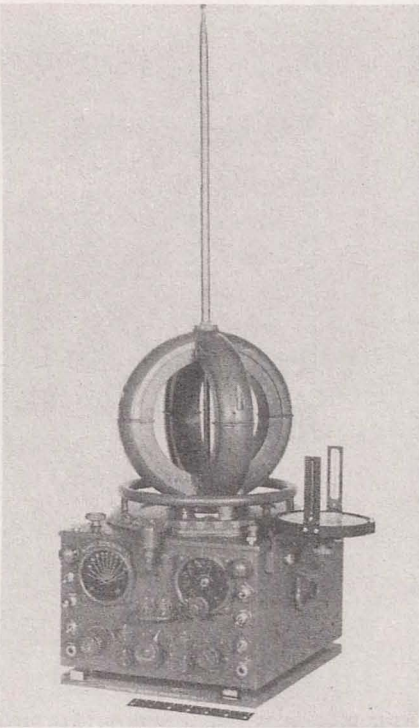
THIS SHEET IS CLASSIFIED: UNCLASSIFIED

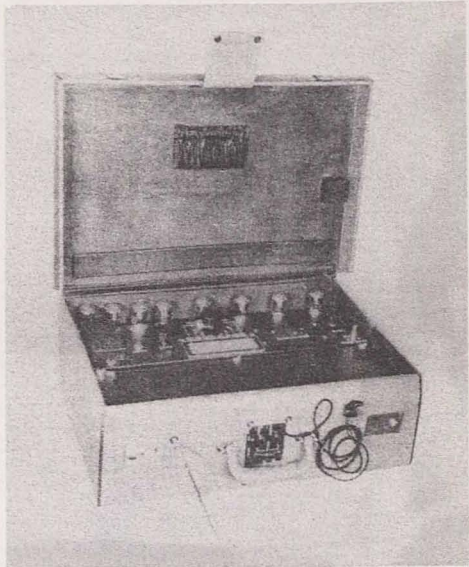
INSTRUCTIONAL LITERATURE: TM 11-281	STATUS:	STANDARD 8 JUN 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-399	
	CHANGE IN STATUS:					
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">RADIO SET SCR-399, INTERIOR VIEW SHOWING OPERATING POSITION</p>			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)	
			FREQUENCY RANGE: (MC) TRANS. 2.0 - 18.0 RECVR. 1.5 - 18.0 NUMBER OF CRYSTALS: 36 PRESET FREQUENCIES: 3 ANTENNA: WHIP OR LONG WIRE TUNING: (MO OR XTAL) BOTH SENSITIVITY: SELECTIVITY: POWER SOURCE: A.C. 110 VOLTS, 60 CYCLE, SINGLE PHASE; POWER UNIT PE-95. SIMILAR SETS: SCR-299-A, B, C, D POWER OUTPUT: (WATTS) 400 CW, 300 VOICE (2-8 MC); 300 CW, 250 VOICE (8-12 MC); 275 CW, 200 VOICE (12-18 MC). TUBES: (TYPE AND NUMBER) 1 BC-312; 2 6C5, 1 6F6, 4 6K7 1 6L7, 1 6R7, 1 BC-342; 2 6C5, 1 6F6, 4 6K7, 1 6L7, 1 6R7, 1 5W4, 1 BC-614-B; 3 6SN7GT, 1 6SR7, 1 6SQ7, 1 6J5, 1 80. 1 BC-610-B; 1 6V6, 2 100, 1 6L6, 2 2A3, 2 807, 2 5Z3, 1 250 2 866A, 3 VR-150-30.		USE: Sig C; AC; AF; FA; CAV; INF. RANGE: (MILES) 250 CW; 100 Voice. TO COMMUNICATE WITH: SCR-177; SCR-183; SCR-187; SCR-193; SCR-197; SCR-209; SCR-237; SCR-238; SCR-245; SCR-274-N; SCR-283; SCR-284; SCR-285; SCR-287; SCR-288; SCR-506; SCR-511; SCR-536; SCR-543; SCR-563. TO REPLACE IN PART: SCR-197; SCR-299. TRANSPORTATION: POWER UNIT PE-95 IN 1 TON TRAILER. SHELTER HO-17 WITH COMPONENTS INSTALLED MOUNTS ON 2 1/2 TON, 6X6 CARGO TRUCK. TYPE OF SIGNAL: CW, VOICE (AM)	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)						
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH		
TRANS. BC-610						
RECEIVERS BC-312 & BC-342						
SPEECH AMPLIFIER BC-614-E						
ANTENNA TUNING UNIT BC-939						
TRAILER K-52 (POWER UNIT) INCLUDES POWER UNIT PE-95						
JUNCTION Box JB-70						
SHELTER HO-17						
COMBINED WEIGHT OF COMPONENTS:						
COMBINED VOLUME OF COMPONENTS:						
SHIP TONNAGE:						

SCR-499		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD 8 JUN 43		INSTRUCTIONAL LITERATURE: TM 11-281			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)				CHANGE IN STATUS:					
<p>FREQUENCY RANGE: (Mc) TRANS. 2.0 - 18.0 RECVR. 1.5 - 18.0</p> <p>NUMBER OF CRYSTALS: 36</p> <p>PRESET FREQUENCIES: 3</p> <p>ANTENNA: WHIP OR LONG WIRE</p> <p>TUNING: (MO OR XTAL) BOTH</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: AC 110 VOLTS, 60 CYCLES, SINGL PHASE OR PE-95.</p> <p>SIMILAR SETS: SCR-177-B; SCR-188-A; SCR-399 WITH-OUT SHELTER HO-17 AND WITHOUT 1-TON 2x0 TRAILER.</p> <p>POWER OUTPUT: (WATTS) 400 CW, 300 VOICE (2-8mc); 300 CW, 250 VOICE (8-12mc); 275 CW, 200 VOICE (12-18 mc).</p> <p>TUBES: (TYPE AND NUMBER) 1 BC-312; 2 6C5, 1 6F6, 4 6K7, 1 6L7, 1 6RT, 1 BC-342; 2 6C5, 1 6F6, 4 6K7, 1 6L7, 1 6RT, 1 5Y4, 1 BC-614-B; 3 6SN7GT, 1 6SR7, 1 6 SQ7, 1 6J5, 1 80, 1 BC-610-B; 1 6V6, 1 6L6, 2 807, 1 250, 2 100, 2 2A3, 2 5Z3 2 866A 3 VR-150-30.</p>				<p>USE: SIG C, AC, AF, FA, CAV, INF. COMPONENTS INSTALLED IN VEHICLES.</p> <p>RANGE: (MILES) 250 CW; 100 VOICE.</p> <p>TO COMMUNICATE WITH: SCR-177; SCR-183; SCR-187; SCR-193; SCR-197; SCR-209; SCR-237; SCR-238; SCR-245; SCR-274-N; SCR-283; SCR-284; SCR-285; SCR-287; SCR-288; SCR-506; SCR-511; SCR-536; SCR-543; SCR-583.</p> <p>TO REPLACE IN PART: SCR-299.</p> <p>TRANSPORTATION: COMPONENTS PACKED FOR AIRBORNE SHIPMENT. (NO SHELTER OR TRAILER PROVIDED)</p> <p>TYPE OF SIGNAL: CW; VOICE (AM)</p>									
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)													
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION							
		HEIGHT	WIDTH	DEPTH									
TRANS. BC-610.													
RECVRS. BC-312, BC-342													
SPEECH AMPLIFIER BC-614-E													
ANT. TUNING UNIT BC-939													
POWER UNIT PE-95													
JUNCTION BOX JB-70													
COMBINED WEIGHT OF COMPONENTS:													
COMBINED VOLUME OF COMPONENTS:													
SHIP TONNAGE:													

RADIO SET SCR-499 INCLUDES RADIO COMPONENTS OF RADIO SET SCR-399 PACKED FOR AIRBORNE SHIPMENT. DOES NOT INCLUDE SHELTER HO-17 AND TRAILER, K-52 FOR POWER UNIT. ABOVE PHOTOGRAPH SHOWS COMPONENTS IN SHELTER HO-17.



INSTRUCTIONAL LITERATURE:	STATUS:	SUBSTITUTE STANDARD 11 JUN 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-503																																																															
	CHANGE IN STATUS:																																																																			
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)																																																															
			FREQUENCY RANGE: (Mc) .1 - 3.0 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: CROSSED LOOPS TUNING: (MO OR XTAL) DOES NOT APPLY SENSITIVITY: 5 - 25 MICROVOLTS/METER SELECTIVITY: POWER SOURCE: 12V STORAGE BATTERY SIMILAR SET: SCR-206 POWER OUTPUT: (WATTS) DOES NOT APPLY TUBES: (TYPE AND NUMBER)		USE: A PORTABLE DIRECTION FINDER FOR FIELD USE IN LOCATING ENEMY TRANSMITTERS. RANGE: SHORT TO COMMUNICATE WITH: DOES NOT APPLY. TO REPLACE IN PART: SCR-206 TRANSPORTATION: PORTABLE TYPE OF SIGNAL: DOES NOT APPLY																																																															
RADIO SET SCR-503 THIS SET COMES IN 2 UNITS - LOW FREQUENCY UNIT .1 TO 1.0 MC, HIGH FREQUENCY UNIT 1.0 TO 3 MCS. THIRD UNIT UNDER DEVELOPMENT TO COVER RANGE OF 3 TO 18 MC.			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)																																																																	
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>AZIMUTH SCALE M-333</td> <td>-----</td> <td>-----</td> <td>-----</td> <td>-----</td> <td></td> </tr> <tr> <td>LOOP LP-23</td> <td>10"</td> <td>10"</td> <td>3"</td> <td>6.5#</td> <td></td> </tr> <tr> <td>LOOP LP-33</td> <td>10"</td> <td>10"</td> <td>3"</td> <td>6.0#</td> <td></td> </tr> <tr> <td>RECEIVER BC-1003</td> <td>8"</td> <td>12"</td> <td>14-1/2"</td> <td>38.5#</td> <td></td> </tr> <tr> <td>RECEIVER BC-973</td> <td>8"</td> <td>12"</td> <td>14-1/2"</td> <td>36.5#</td> <td></td> </tr> <tr> <td>BATTERY, STORAGE 12V</td> <td>10-5/16"</td> <td>13"</td> <td>7-1/8"</td> <td>63.5#</td> <td></td> </tr> <tr> <td>TRIPOD LG-15</td> <td>29"</td> <td>5-1/2"</td> <td>5-1/2"</td> <td>9 #</td> <td></td> </tr> <tr> <td>DYNAMOTOR PE-133</td> <td>7-3/8"</td> <td>6-5/8"</td> <td>4-3/16"</td> <td>9#</td> <td></td> </tr> <tr> <td>BATTERY CHEST CH-113</td> <td>23-7/8"</td> <td>27-7/8"</td> <td>9"</td> <td>33#</td> <td></td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	AZIMUTH SCALE M-333	-----	-----	-----	-----		LOOP LP-23	10"	10"	3"	6.5#		LOOP LP-33	10"	10"	3"	6.0#		RECEIVER BC-1003	8"	12"	14-1/2"	38.5#		RECEIVER BC-973	8"	12"	14-1/2"	36.5#		BATTERY, STORAGE 12V	10-5/16"	13"	7-1/8"	63.5#		TRIPOD LG-15	29"	5-1/2"	5-1/2"	9 #		DYNAMOTOR PE-133	7-3/8"	6-5/8"	4-3/16"	9#		BATTERY CHEST CH-113	23-7/8"	27-7/8"	9"	33#	
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																																															
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<h1>SCR-504</h1>		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		INSTRUCTIONAL LITERATURE:			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) .1 - 65 NUMBER OF DRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: LOOP TUNING: (MO OR XTAL) DOES NOT APPLY SENSITIVITY: 50 - 200 MICROVOLTS/METER SELECTIVITY: POWER SOURCE: MINIATURE STORAGE BATTERY (BB-51, BB-52) SIMILAR SETS: NONE POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 1 1L8L 1 VT-177 1 VT-178 5 VT-179			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: THIS EQUIPMENT IS INTENDED TO BE USED FOR INTELLIGENCE PURPOSES, PARTICULARLY FOR THE SPECIFIC LOCATION OF UNAUTHORIZED TRANSMITTERS. RANGE: SHORT TO COMMUNICATE WITH: DOES NOT APPLY. TO REPLACE IN PART: TRANSPORTATION: PORTABLE TYPE OF SIGNAL: DOES NOT APPLY.			CHANGE IN STATUS:		TM 11-862 (FOR SCR-504-A)			
PART G - PRINCIPAL COMPONENTS (CLASSIFICATION:)											
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION						
	HEIGHT	WIDTH	DEPTH								
RADIO RECEIVER BC-792	6"	18"	13"	25#							
BATTERY CHARGER PE-128	9 3/4"	12"	8"	16#							
HEADSET HS-34	----	----	----	1 oz.							
COMBINED WEIGHT OF COMPONENTS				55#							
COMBINED VOLUME OF COMPONENTS:											
SHIP TONNAGE:											

RADIO SET SCR-504

RADIO RECEIVER BC-792, A HAND PORTABLE DIRECTION FINDER, MOUNTED IN SUIT CASE AND READY FOR OPERATION. SHOWING EXTENDED SENSE ANTENNA, EXTERNAL CONTROLS AND MINIATURE HEADSET OF THE HEARING-AID TYPE. BATTERY CHARGER PE-128 IS USED AS PART OF SET BUT IS NOT NECESSARILY TAKEN ALONG WITH RECEIVER ON OPERATING MISSIONS.

THIS SHEET IS CLASSIFIED:

UNCLASSIFIED

(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

INSTRUCTIONAL LITERATURE:
TM 11-630

STATUS:

STANDARD
19 Dec 41

NOTE: SEE INDIVIDUAL SECTIONS
FOR SECTION CLASSIFICATION.

NOMENCLATURE
DESIGNATION:

SCR-506

CHANGE IN
STATUS:

PART A - TECHNICAL CHARACTERISTICS
(CLASSIFICATION:)

FREQUENCY RANGE: (MO) TRANS. 2-4.5; RECVR. 2 -6

NUMBER OF CRYSTALS: 1 (XTAL CALIBRATOR)

PRESET FREQUENCIES: 4

ANTENNA: 15' FISHPOLE TO BE USED WHILE MOVING, WITH 10' EXTENSION TO BE USED WHILE AT A HALT.

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: VEHICULAR POWER SYSTEM 12 OR 24 V. INPUT.

SIMILAR SETS:

POWER OUTPUT: (WATTS) 100 CW; 25 WATTS VOICE

TUBES: (TYPE AND NUMBER) SCR-506 USES: 1-BC-652-A; 2-6 SC 7; 2-12 SK 7; 2-12 K 8; 1-12 SR 7; 1-12 C 8; 1-6 K 8; 1-6 Y 6 G; 1-12 3G 7; 1-BC-653-A; 1-807; 2-81L; 2-1613; 2-VR-105-30.

NOTE: 506-A ALSO LISTED: HAS 18 TUBES, ALSO IDENTICAL WITH SCR-506 SHOWN ABOVE.

PART B - TACTICAL CHARACTERISTICS
(CLASSIFICATION:)

USE: TD; ARMED F; CAV; ENGRS; FA; SIG C; USED IN LIGHT TANK M-3 & IN OTHER ARMORED VEHICLES.

RANGE: (MILES) 70 CW; 25 VOICE.

TO COMMUNICATE WITH: SCR-131; SCR-171; SCR-187; SCR-193; SCR-203; SCR-209; SCR-210; SCR-236; SCR-245; SCR-259; SCR-287.

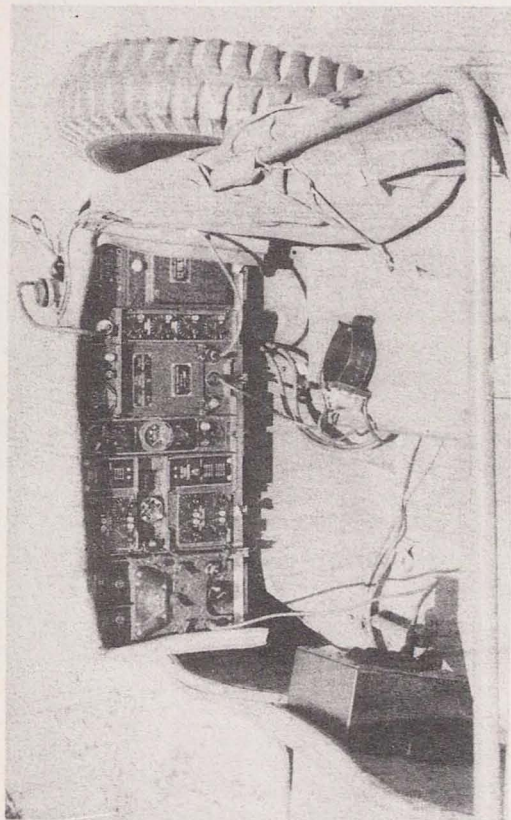
TO REPLACE IN PART: SCR-193-IN AF

TRANSPORTATION (AND OPERATION): IN VEHICLE IN WHICH SET IS INSTALLED.

TYPE OF SIGNAL: CW; VOICE (AM)

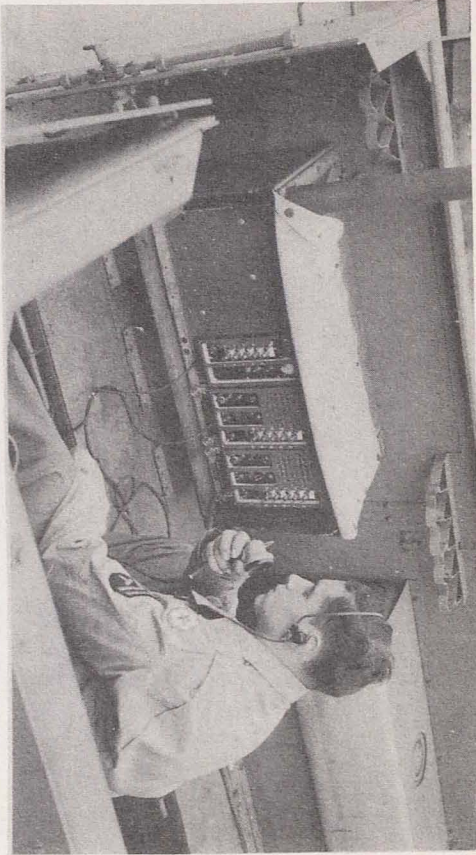
PART C - PRINCIPAL COMPONENTS
(CLASSIFICATION: RESTRICTED)

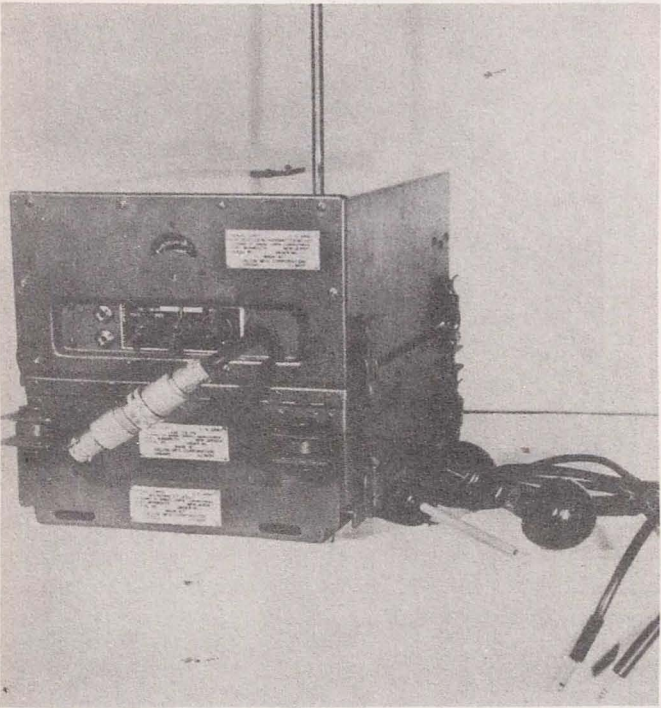
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
TRANS. BC-653,	13 13/16"	33 1/8"	14 1/4"	176#	
RECVR. BC-652					
COMBINED WEIGHT OF COMPONENTS:					
COMBINED VOLUME:					
SHIP TONNAGE:					



RADIO SET SCR-506-A. INSTALLED IN TRUCK, 3/4-TON 4 X 4.
Front View. Showing Control Panel.

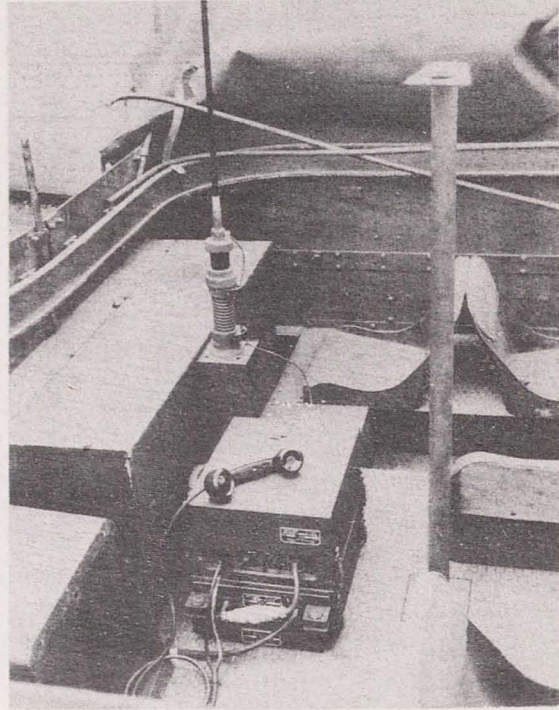
THIS SHEET IS CLASSIFIED: UNCLASSIFIED

<h1>SCR-508</h1>		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	INSTRUCTIONAL LITERATURE: TM 11-600	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) <p>FREQUENCY RANGE: (Mc) 20.0 to 27.9 NUMBER OF CRYSTALS: 80 PRESET FREQUENCIES: 10 (PUSH BUTTON SELECTION). ANTENNA: 9 FT. FISHPOLE TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 OR 24 VOLT BATTERY. SIMILAR SETS: SCR-608 EXCEPT FREQUENCY. POWER OUTPUT: (WATTS) 25 100% MODULATION. TUBES: (TYPE AND NUMBER) BC-603-C RECEIVER 1 TUBE TYPE 6 H 6; 1 TUBE TYPE 6 J 5; 1 TUBE TYPE 6 V 6 GT; 3 TUBES TYPE 6 A C 7; 2 TUBES TYPE 12 SG 7; 2 TUBES TYPE 6 SL 7 GT. BC-604-C TRANS- MITTER 7 TYPE 1619 TUBES; 1 TYPE 1624 TUBES.</p>			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) <p>USE: ARMORED FORCE, FIELD ARTILLERY. INSTALLATION IN COMMAND TANKS AND VEHICLES OF AF, GHQ., CORPS AND DIVISIONS WHERE IT IS NECESSARY TO MONITOR 2 FREQUENCIES SIMULTANEOUSLY.</p> <p>RANGE: (MILES) 7 IN MOTION.</p> <p>TO COMMUNICATE WITH: SCR-293; SCR-294; SCR-508; SCR-509; SCR-510; SCR-528; SCR-538.</p> <p>TO REPLACE IN PART: SCR-193; SCR-245; SCR-293.</p> <p>TRANSPORTATION: VEHICLE.</p> <p>TYPE OF SIGNAL: VOICE; FM.</p>		CHANGE IN STATUS:	<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); padding-right: 10px;"> SCR-508 IS A SHORT RANGE, VEHICULAR, FM SET. ARMORED FORCE COMMAND SET (AF 111). HAS INTERNAL INTERPHONE AMPLIFIER. NOTE: RADIO SETS SCR-508; SCR-528 AND SCR-538 ALL USE COMMON COMPONENTS AS FOLLOWS: SCR-508 1 TRANSMITTER; 2 RECEIVERS SCR-528 1 TRANSMITTER; 1 RECEIVER SCR-538 1 RECEIVER </div>  </div>	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)							
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION		
	HEIGHT	WIDTH	DEPTH				
TRANSMITTER BC-604				67#			
RECEIVER (2) BC-603				70# (35# EA)			
MOUNTING BASE FT-237				44#			
VEHICLE ANTENNA				----			
COMBINED WEIGHT OF COMPONENTS:				181#			
COMBINED VOLUME OF COMPONENTS:							
SHIP TONNAGE:							

INSTRUCTIONAL LITERATURE: TM 11-605	STATUS: CHANGE IN STATUS:	STANDARD 14 JUL 41	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: <h1 style="margin: 0;">SCR-509</h1>																																		
			<p style="text-align: center;">PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (Mc) 20.0 - 27.9 NUMBER OF CRYSTALS: 80 PRESET FREQUENCIES: 2 ANTENNA: 8 FT. FISHPOLE (ANT. AN-45) TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: DRY BATTERIES BA-39; BA-40; BA-41. SIMILAR SETS: SCR-510. POWER OUTPUT: (WATTS) 1.8 100% MODULATION. TUBES: (TYPE AND NUMBER) SCR-509-A USES: 1 BC-620-A - 4 1LN5; 1 1LC6; 4 1299; 1 1294; 1 1LH4; 2 1291.</p>		<p style="text-align: center;">PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: ARMED FORCE: TK BN; ARMED REPT; INF REPT; SHORT RANGE RECONNAISSANCE AND SIMILAR MISSIONS.</p> <p>RANGE: (MILES) 5 ON GROUND.</p> <p>TO COMMUNICATE WITH: SCR-293; SCR-294; SCR-508; SCR-509; SCR-510; SCR-528; SCR-538.</p> <p>TO REPLACE IN PART: SCR-195 WITHIN THE ARMORED FORCE.</p> <p>TRANSPORTATION: MAN ON FOOT OR IN ANY VEHICLE.</p> <p>TYPE OF SIGNAL: VOICE; (FM)</p>																																	
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 60%;">ITEM</th> <th colspan="3" style="text-align: center;">DIMENSIONS</th> <th rowspan="2" style="width: 10%;">WEIGHT</th> <th rowspan="2" style="width: 15%;">CLASSIFICATION</th> </tr> <tr> <th style="width: 10%;">HEIGHT</th> <th style="width: 10%;">WIDTH</th> <th style="width: 10%;">DEPTH</th> </tr> </thead> <tbody> <tr> <td style="height: 150px; vertical-align: top;">RADIO RECEIVER & TRANSMITTER BC-620</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>COMBINED VOLUME OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SHIP TONNAGE:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO RECEIVER & TRANSMITTER BC-620						COMBINED WEIGHT OF COMPONENTS:						COMBINED VOLUME OF COMPONENTS:						SHIP TONNAGE:					
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																	
	HEIGHT	WIDTH	DEPTH																																			
RADIO RECEIVER & TRANSMITTER BC-620																																						
COMBINED WEIGHT OF COMPONENTS:																																						
COMBINED VOLUME OF COMPONENTS:																																						
SHIP TONNAGE:																																						

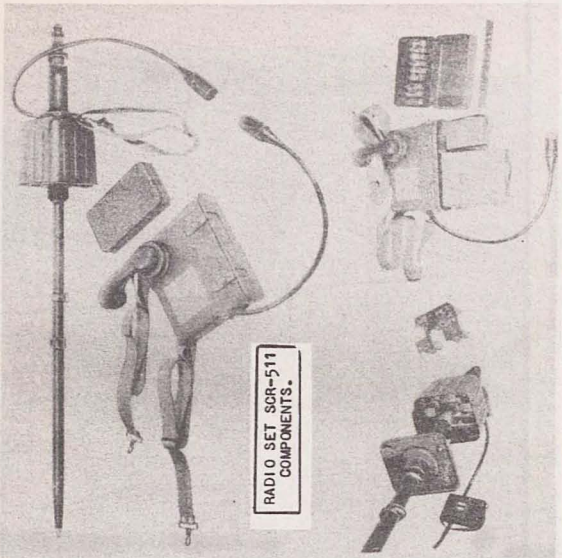
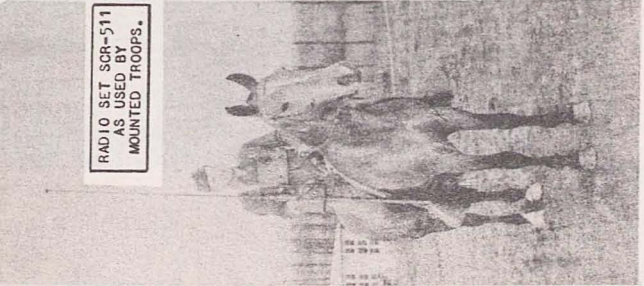
RADIO SET SCR-509 SET UP FOR OPERATION
 RADIO SET SCR-509 IS A LIGHT WEIGHT, SHORT RANGE
 FREQUENCY MODULATED SET.

<h1>SCR-510</h1>		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 15 JUL 41	INSTRUCTIONAL LITERATURE: TM 11-605				
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)			CHANGE IN STATUS:						
<p>FREQUENCY RANGE: (Mc) 20.0 - 27.9</p> <p>NUMBER OF CRYSTALS: 80</p> <p>PRESET FREQUENCIES: 2</p> <p>ANTENNA: 8 FT. TELESCOPIIC MAST, AND VEHICULAR WHIP.</p> <p>TUNING: (MO OR XTAL) XTAL</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: DRY BATTERIES OR VIBRATOR PACK FOR OPERATION FROM ANY 6 OR 12 V VEHICULAR BATTERY.</p> <p>SIMILAR SETS: SCR-509 WHICH USES DRY BATTERIES ONLY.</p> <p>POWER OUTPUT: (WATTS) 1.8 100% MODULATION.</p> <p>TUBES: (TYPE AND NUMBER) SCR-510-A USES: 1 BC-620-A - 4 1LN5; 1 1LC6; 4 1299; 1 1294; 1 1LH4; 2 1291. 1 PE-97-A - 1 VR90-30; 1 CK1005.</p>			<p>USE: FA: ARMD BTRY; MED: Co BN ARMD; Sig C; Co ARMD; ARMD F; TD: BN. USED BY FORWARD OBSERVERS FOR LIAISON PURPOSES.</p> <p>RANGE: (MILES) 5 IN MOTION.</p> <p>TO COMMUNICATE WITH: SCR-293; SCR-294; SCR-508; SCR-509; SCR-510; SCR-528; SCR-538.</p> <p>TO REPLACE IN PART: SCR-194; SCR-195.</p> <p>TRANSPORTATION: TRANSPORTED & OPERATED IN VEHICLE OR CARRIED BY MAN ON FOOT.</p> <p>TYPE OF SIGNAL: VOICE (FM)</p>									
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)												
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION							
	HEIGHT	WIDTH	DEPTH									
RECVR. & TRANS. BC-620- PLATE SUPPLY UNIT PE-97												
COMBINED WEIGHT OF COMPONENTS:				65#								
COMBINED VOLUME:				1.3 CU. FT.								
SHIP TONNAGE:												



RADIO SET SCR-510 SHOWING SET INSTALLED IN RIGHT CENTER SECTION OF SCOUT CAR M3A1

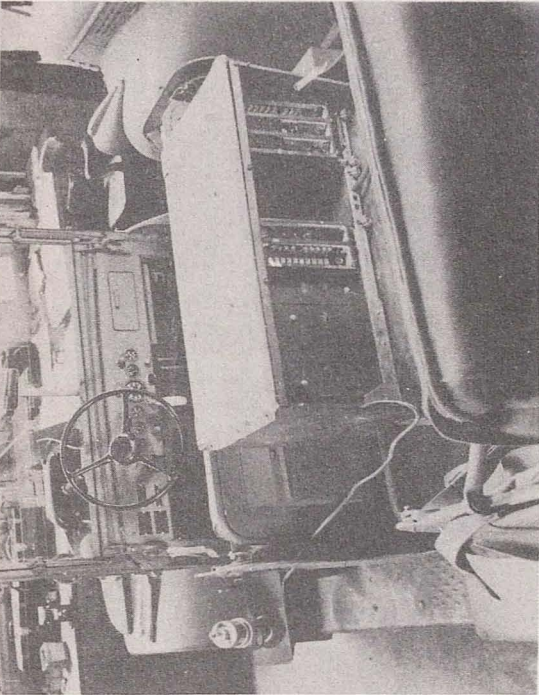
RADIO SET SCR-510 IS THE SAME AS RADIO SET SCR-509 EXCEPT FOR THE ADDITION OF VEHICULAR COMPONENTS. SHORT RANGE FREQUENCY MODULATED VEHICULAR OR GROUND RADIO SET. MAY ALSO BE USED AS SHORT RANGE MOBILE COMMAND SET.

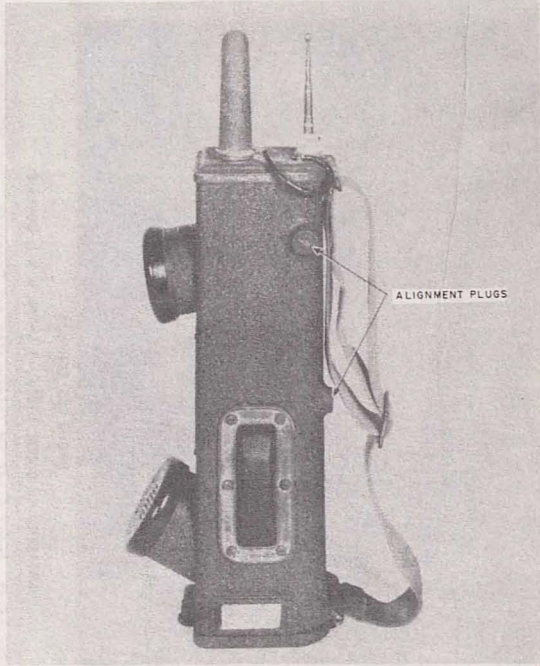
INSTRUCTIONAL LITERATURE: TM 11-245	STATUS: STANDARD 1 JUN 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-511			
CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)	
 <p data-bbox="472 720 513 874">RADIO SET SCR-511 COMPONENTS.</p>		<p data-bbox="913 355 1232 371">FREQUENCY RANGE: (MO) 3.0 - 6.0.</p> <p data-bbox="913 386 1357 417">NUMBER OF CRYSTALS: 2 IN EACH TUNING UNIT; 13 TUNING UNITS/ SET AUTHORIZED.</p> <p data-bbox="913 432 1336 463">PRESET FREQUENCIES: 1 TUNING UNIT INSTALLED; 1 SPARE TUNING UNIT CARRIED WITH SET.</p> <p data-bbox="913 478 1357 509">ANTENNA: TELESCOPE MAST. THIS ANTENNA ACTUATES SET'S ON-OFF SWITCH WHEN EXTENDED.</p> <p data-bbox="913 525 1170 540">TUNING: (MO OR XTAL) XTAL</p> <p data-bbox="913 555 1253 571">SENSITIVITY: SELECTIVITY:</p> <p data-bbox="913 586 1336 602">POWER SOURCE: INTEGRAL DRY BATTERIES BA-49.</p> <p data-bbox="913 617 1087 632">SIMILAR SETS: NONE</p> <p data-bbox="913 648 1170 663">POWER OUTPUT: (WATTS) 0.75</p> <p data-bbox="880 663 1377 756">TUBES: (TYPE AND NUMBER) Radio Recvr. BC-1147: 1 5U4G(VT-244) 1 6H6(VT-90) 1 6J5(VT-94) 1 6SA7(VT-150) 1 6SH7, 1 6SJ7(VT-116) 4 6SK7(VT-117) 1 6SQ7(VT-103) 1 6V6-GT(VT-107-A) 1 VR-150-30 (VT-139) TARGET TRANSMITTER BC-1149: 1 IR5(VT-171) 1 1291(VT-182) CONTROL PANEL PN-31: 1 2X2(VT-119) 1 5U4G(VT-244) 1 6AC7(VT-112) 1 6L6G(VT-115) 1 VR-105-30(VT-200)</p>			<p data-bbox="1425 355 1875 412">USE: CAV. TR; ENGR. CO. & TR; INF: PARA, MTN, & AIRBORNE UNITS; SIG C: CO MTN DIV; CO MTZ DIV; CO AMPHIBIAN.</p> <p data-bbox="1425 540 1647 566">RANGE: (MILES) 5 NORMAL</p> <p data-bbox="1425 586 1605 612">TO COMMUNICATE WITH:</p> <p data-bbox="1425 632 1605 659">TO REPLACE IN PART:</p> <p data-bbox="1425 679 1875 705">TRANSPORTATION: MAN ON FOOT, HORSE, OR VEHICLE.</p> <p data-bbox="1425 725 1688 751">TYPE OF SIGNAL: VOICE (AM)</p>	
 <p data-bbox="306 982 362 1136">RADIO SET SCR-511 AS USED BY MOUNTED TROOPS.</p>		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)				
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
HEIGHT		WIDTH	DEPTH			
RADIO RECVR. & TRANS. BC-745						
TUNING UNIT BC-746						
POWER SUPPLY UNIT PE-157						
CHEST UNIT T-39						
MOUNTING FT-338						
BATTERY BA-49						
COMBINED WEIGHT OF COMPONENTS:				20#		
COMBINED VOLUME:				0.5 cu.ft.		
SHIP TONNAGE:						

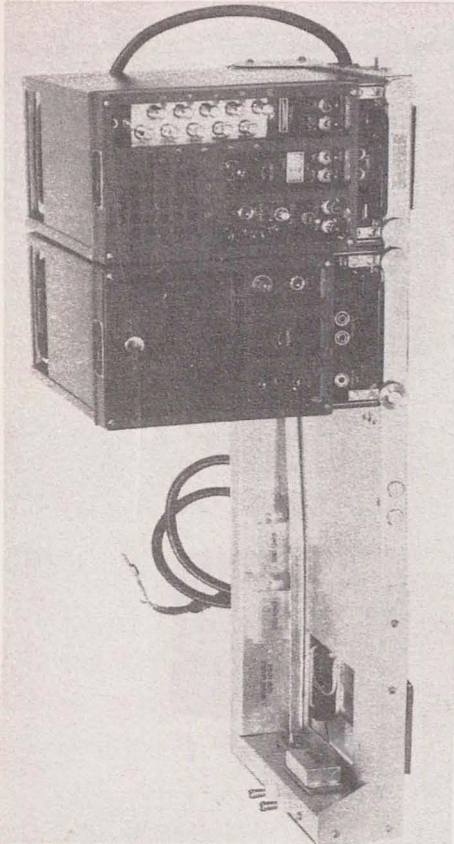
THIS SHEET IS CLASSIFIED: RESTRICTED

SCR-522		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 8 SEP 41	INSTRUCTIONAL LITERATURE: TO 08-10-105		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mo) 100 - 156 Mcs NUMBER OF CRYSTALS: 8 (4 TRANS. 4 RECVR.) PRESET FREQUENCIES: 4 PRESET CHANNELS BOTH RECVR. & TRANS. ANTENNA: AN-74 & AN-74-A; AN-104 & AN-104-A - 1/4 WAVE, VERTICAL MAST. TUNING: (MO OR XTAL) CRYSTAL TUNING SENSITIVITY: SELECTIVITY: POWER SOURCE: 28 VOLTS. PRIMARY SOURCE AND PE-94 SIMILAR SETS: RADIO SET SCR-542-(12 VOLT VERSION OF SCR-522) POWER OUTPUT: (WATTS) 6 WATTS VOICE. TUBES: (TYPE AND NUMBER) SCR-522-A USES: 1 - 12J5GT 3 - 12SG7 1 - 12C8 2 - 832 1 - 9002 3 - 12A6 3 - 9003 1 - 686G 1 - 12AH7BT 2 - 6SS7			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: AIR CORPS - USED IN ALL TYPES OF AIRCRAFT. FOR: AIR-TO-AIR; AIR-TO-GROUND COMMUNICATION. RANGE: (MILES) 130 AT 10,000 FEET. (LINE OF SIGHT) TO COMMUNICATE WITH: OTHER AIRPLANES EQUIPPED WITH SCR-522 OR SCR-542, OR EQUIVALENT VHF COMMAND EQUIPMENT, ALSO GROUND INSTALLATIONS HAVING SUFFICIENT VHF GROUND FACILITIES. TO REPLACE IN PART: SCR-274-N AND SCR-283. TRANSPORTATION: AIRBORNE INSTALLATION. TYPE OF SIGNAL: VOICE AND SPECIAL TONE SIGNAL WHEN USED WITH CONTACTOR EQUIPMENT RC-96.			CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)									
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	RADIO RECEIVER RC-634 AND RADIO TRANSMITTER RC-635 IN CASE CS-80-A AND RACK FT-244 JICK BOX RC-631 CONTROL BOX RC-602 DYNAMOTOR UNIT PE-94 ANTENNA AN-104 COMPONENTS OF RADIO SET SCR-522 AND ANTENNA AN-104 PHOTOGRAPH AND REPRODUCTION SECTION AIRCRAFT PHOTO LABORATORY, WRIGHT FIELD, O			
	HEIGHT	WIDTH	DEPTH						
CASE CS-80 CONTAINING: RADIO TRANSMITTER BC-625 RADIO RECEIVER BC-624 RACK FT-244	16 5/32"	12 9/16"	10 11/16"	49#					
DYNAMOTOR PE-94	12 25/32"	8 27/32"	6 15/16"	37#					
RADIO CONTROL BOX BC-602	5 7/8	5 9/16"	2 1/2"	2.4#					
COMBINED WEIGHT OF COMPONENTS:				91# APPROX.					
COMBINED VOLUME:				1.8 CU. FT. APPROX.					
SHIP TONNAGE:									

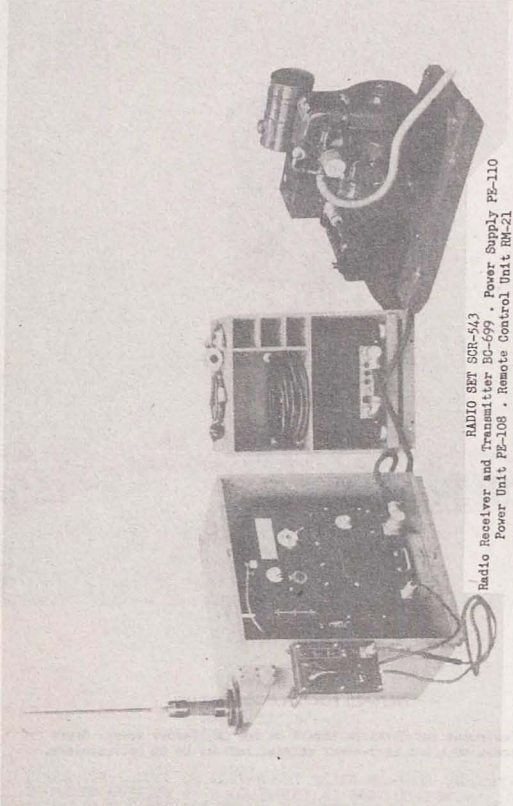
THIS SHEET IS CLASSIFIED: RESTRICTED

INSTRUCTIONAL LITERATURE: TM 11-600	STATUS: CHANGE IN STATUS:	STANDARD 22 Jul 41	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-528																																			
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">RADIO SET SCR-528 INSTALLED IN DODGE TRUCK, 3/4-TON 4 X 4 COMMAND VEHICULAR, SHORT RANGE FM TRANSMITTER AND RECEIVER. SEE SCR-508.</p>			<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (Mo) 20.0 to 27.9</p> <p>NUMBER OF CRYSTALS: 80</p> <p>PRESET FREQUENCIES: 10</p> <p>ANTENNA: 9 FOOT FISHPOLE</p> <p>TUNING (MO OR XTAL): XTAL</p> <p>SENSITIVITY: SELE CTIVITY:</p> <p>POWER SOURCE: 12v: (XMTR)DM-35 (RECVR.)DM-34 24v: (XMTR)DM-37 (RECVR.)DM-36</p> <p>SIMILAR SETS: SAME AS SCR-508 MINUS ONE RADIO RECEIVER BC-603.</p> <p>POWER OUTPUT: (WATTS) 25 AT 100% MODULATION</p> <p>TUBES: (TYPE AND NUMBER) SCR-528 USES: 1-BC-603-C REC.: 1-6H6; 1-6J5; 1-6V6GT; 3-6AC7/ 1852; 2-12 SG 7; 2-6 SL7 GT. 1-BC-604-C TRANS.: 7-1619; 1-1624. (TUBE CONTENTS MAY VARY IN DIFFERENT MODELS. MODEL 528-C IS CITED TO SHOW TUBE CONTENT AS BEING FAI R- LY TYPICAL.)</p>	<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: CW; ENGRS; FA; MED DEPT; QMC; ARMD F; INTERMEDIATE COMMAND TMS & VEHICLES OF ARMORED FORCE, GHQ, CORPS AND DIVISIONS.</p> <p>RANGE: (MILES) 7 WHILE IN MOTION</p> <p>TO COMMUNICATE WITH: SCR-293; SCR-294; SCR-508; SCR-509; SCR-510; SCR-528; SCR-538.</p> <p>TO REPLACE IN PART: SCR-293; SCR-245 IN ARMORED FORCE.</p> <p>TRANSPORTATION: AND OPERATION IN VEHICLES.</p> <p>TYPE OF SIGNAL: VOICE (FM)</p>																																			
			<p>PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)</p>			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>TRANSMITTER BC-604 (INTEGRAL INTERPHONE) RECEIVER BC-603 MOUNTING FT-237</td> <td>14 "</td> <td>14 1/2"</td> <td>34"</td> <td>175 #</td> <td></td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>COMBINED VOLUME:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SHIP TONNAGE:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	TRANSMITTER BC-604 (INTEGRAL INTERPHONE) RECEIVER BC-603 MOUNTING FT-237	14 "	14 1/2"	34"	175 #		COMBINED WEIGHT OF COMPONENTS:						COMBINED VOLUME:						SHIP TONNAGE:		
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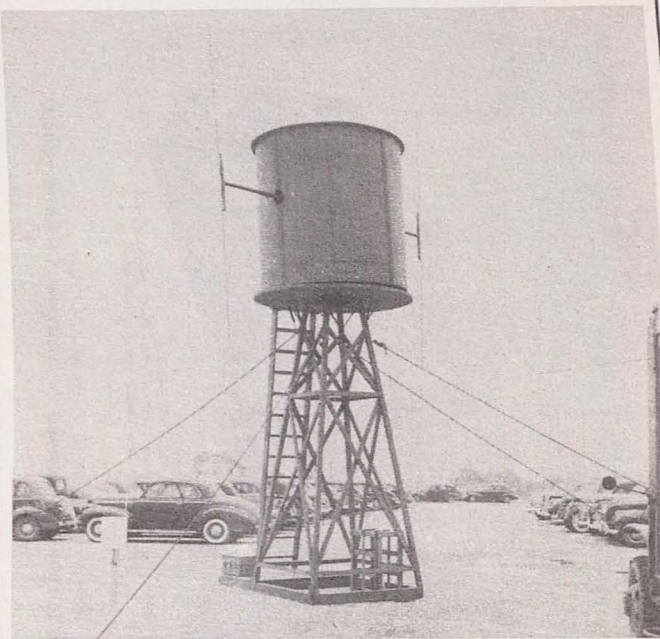
SCR-536		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		INSTRUCTIONAL LITERATURE: TM 11-235			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 3.5 to 6.0 NUMBER OF CRYSTALS: ONE TRANSMITTING AND ONE RECEIVING CRYSTAL REQUIRED PER CHANNEL. PRESET FREQUENCIES: ONE PRESET CHANNEL PROVIDED. ANTENNA: 44" WHIP ANTENNA - TELESCOPES INTO SET BOX. RECEIVER IS TURNED ON WHEN ANTENNA IS EXTENDED. TUNING: (MO OR XTAL) CRYSTAL. SENSITIVITY: SELECTIVITY: POWER SOURCE: SELF CONTAINED DRY BATTERIES. SIMILAR SETS: NONE POWER OUTPUT: (WATTS) .027 TUBES: (TYPE AND NUMBER) 1 BC-611-B TRANSCEIVER. TUBES: 1, 1 R 5 TUBE; 1, 1 S 5 TUBE; 1, 1 T 4 TUBE; 2, 3 S 4 TUBE.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: USED BY PARACHUTE TROOPS, AIRBORNE TROOPS, AND ANTI-TANK UNITS OF THE INFANTRY FOR SHORT RANGE COMMUNICATION. RANGE: (MILES) 1 1/2 TO COMMUNICATE WITH: SCR-187; SCR-188; SCR-193; SCR-245; SCR-274-N; SCR-283; SCR-287; SCR-288. TO REPLACE IN PART: NONE. TRANSPORTATION: MAN PACK TYPE OF SIGNAL: VOICE ONLY. (AM)				CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)											
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	 <p style="text-align: center;">ALIGNMENT PLUGS</p> <p style="text-align: center;">RADIO SET SCR-536</p> <p>RADIO SET SCR-536 IS A VERY COMPACT RECEIVER - TRANSMITTER RESEMBLING AN OVERSIZE TELEPHONE HAND SET. COMPLETE WITH BATTERIES, ANTENNA, TRANSMITTER, RECEIVER, - AND HAND SET IN ONE CASE.</p>					
	HEIGHT	WIDTH	DEPTH								
RECEIVER AND TRANSMITTER BC-611	15 3/4"	5 3/8"	3 3/4"	5.5#							
COMBINED WEIGHT OF COMPONENTS				6#							
COMBINED VOLUME OF COMPONENTS:				480 CU. IN.							
SHIP TONNAGE:				8 #							

INSTRUCTIONAL LITERATURE: TM 11-600	STATUS: 29 APR 41	STANDARD 29 APR 41	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-538																																							
CHANGE IN STATUS:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</th> <th style="width:50%;">PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</th> </tr> <tr> <td style="vertical-align: top;"> FREQUENCY RANGE (Mc) 20 TO 27.9 (RECEIVER ONLY) NUMBER OF CRYSTALS: PRESET FREQUENCIES: 10 - PUSH BUTTON SELECTION ANTENNA: 9 FT. FISHPOLE TUNING: (MO OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: VEHICLE BATTERY (12 V OR 24 V) SIMILAR SETS: POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) SCR-538 USES: 1-BC-603-A; 1-BC-605-A. 1-BC-603-A; 2-6 SL 7 GT; 1-6H6; 1-6J5; 1-6V6 GT; 3-6AC 7/1852; 2-12SQ7. 1-605-A; 2-1619 TUBES. </td> <td style="vertical-align: top;"> USE: Cav; Meoz & Mtzd; ARMO F; TANK AND MAINTENANCE UNITS. RANGE: (MILES) TO COMMUNICATE WITH: SCR-293; SCR-508; SCR-509; SCR-510; SCR-528. TO REPLACE IN PART: SCR-210; SCR-294. TRANSPORTATION: TRANSPORTED AND OPERATED IN VEHICLES TYPE OF SIGNAL: Voice (FM) </td> </tr> </table>			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)	FREQUENCY RANGE (Mc) 20 TO 27.9 (RECEIVER ONLY) NUMBER OF CRYSTALS: PRESET FREQUENCIES: 10 - PUSH BUTTON SELECTION ANTENNA: 9 FT. FISHPOLE TUNING: (MO OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: VEHICLE BATTERY (12 V OR 24 V) SIMILAR SETS: POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) SCR-538 USES: 1-BC-603-A; 1-BC-605-A. 1-BC-603-A; 2-6 SL 7 GT; 1-6H6; 1-6J5; 1-6V6 GT; 3-6AC 7/1852; 2-12SQ7. 1-605-A; 2-1619 TUBES.	USE: Cav; Meoz & Mtzd; ARMO F; TANK AND MAINTENANCE UNITS. RANGE: (MILES) TO COMMUNICATE WITH: SCR-293; SCR-508; SCR-509; SCR-510; SCR-528. TO REPLACE IN PART: SCR-210; SCR-294. TRANSPORTATION: TRANSPORTED AND OPERATED IN VEHICLES TYPE OF SIGNAL: Voice (FM)																																			
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<div style="display: flex; align-items: center;">  <div style="margin-left: 10px; font-size: 0.8em;"> RADIO SET SCR-538 FRONT VIEW RECEIVER ONLY. COMPRISES ONE RECEIVER AND A SEPARATE INTERPHONE AMPLIFIER. SAME MOUNTING BASE FT-237 IS USED AS FOR SCR-508 AND 528 PERMITTING USE OF THE COMPONENTS OF ANY OF THESE SETS; SCR-508 WHOLLY OCCUPIES THE MOUNTING BASE AND SCR-528 ONLY PARTLY. SEE SCR-508. </div> </div>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="6">PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)</th> </tr> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> <tr> <td>RECEIVER BC-603. INTERPHONE AMP. BC-605 MOUNTING FT-237, MAST BASE MP-37 OR 57</td> <td>14 "</td> <td>14 1/2"</td> <td>34 "</td> <td>135 #</td> <td></td> </tr> <tr> <td colspan="6">COMBINED WEIGHT OF COMPONENTS:</td> </tr> <tr> <td colspan="6">COMBINED VOLUME:</td> </tr> <tr> <td colspan="6">SHIP TONNAGE:</td> </tr> </table>			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)						ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RECEIVER BC-603. INTERPHONE AMP. BC-605 MOUNTING FT-237, MAST BASE MP-37 OR 57	14 "	14 1/2"	34 "	135 #		COMBINED WEIGHT OF COMPONENTS:						COMBINED VOLUME:						SHIP TONNAGE:					
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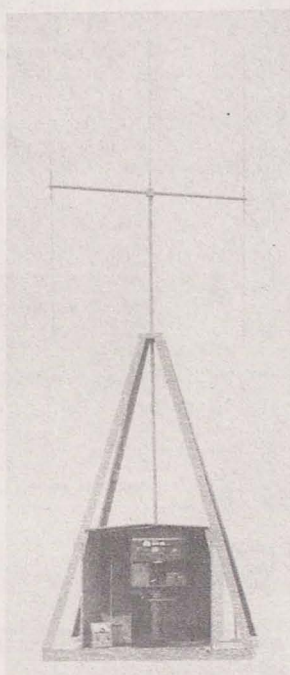
SCR-542		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	INSTRUCTIONAL LITERATURE: TO 08-10-105
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mo) 100 - 156 Mcs. NUMBER OF CRYSTALS: 8 (4 TRANSMITTERS - 4 RECEIVERS) PRESET FREQUENCIES: 4 PRESET CHANNELS, BOTH RECEIVERS AND TRANSMITTERS. ANTENNA: 1/4 WAVE, VERTICAL MAST - AN-74 & AN-74-A AN-104 & AN-104-A. TUNING: (MO OR XTAL) XTAL TUNING. SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 VOLT PRIMARY SOURCE AND PE-98 SIMILAR SETS: SCR-522 (EXCEPT VOLTAGE) POWER OUTPUT: 6 WATTS VOICE. TUBES: (TYPE AND NUMBER) SCR-542-A USES: 1 - 12J5GT 3 - 12SG7 1 - 12CB 2 - 832 1 - 9002 3 - 12A6 3 - 9003 1 - 6G6G 1 - 12AH7GT 2 - 6SS7			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: AIR CORPS - USED IN ALL TYPES OF AIRCRAFT. FOR: AIR-TO-AIR, AIR-TO-GROUND COMMUNICATION. RANGE: (MILES) 130 AT 1000 FT. (LINE OF SIGHT). TO COMMUNICATE WITH: OTHER AIRPLANES EQUIPPED WITH SCR-522 OR SCR-542, OR EQUIVALENT VHF COMMAND EQUIPMENT, ALSO GROUND INSTALLATIONS HAVING SUFFICIENT BHF GROUND FACILITIES. TO REPLACE IN PART: TRANSPORTATION: AIRBORNE INSTALLATION. TYPE OF SIGNAL: VOICE AND SPECIAL TONE SIGNAL WHEN USED WITH CONTACTOR EQUIPMENT RC-96.		CHANGE IN STATUS:	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)						
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	RADIO TRANSMITTER RC-443-72 AND RADIO RECEIVER RC-444-72, ASSEMBLY IN CASE CS-80-72 PRINCIPAL COMPONENTS OF RADIO SET SCR-542. TUBES JUNCTION BOX JS-99-72 DYNAMOTOR UNIT DS-99-72 RADIO CONTROL BOX RC-403-72 JACE BOX RC-480-72 JACE BOX RC-481-72 JACE BOX RC-482-72 JUNCTION BOX JS-99-72 DYNAMOTOR UNIT DS-99-72 RADIO CONTROL BOX RC-403-72
	HEIGHT	WIDTH	DEPTH			
CASE CS-80 CONTAINING: RADIO TRANSMITTER BC-625 RADIO RECEIVER BC-624 RACK FT-244	16 5/32"	12 9/16"	10 11/16"	49#		
DYNAMOTOR PE-98	12 25/32"	8 27/32"	6 15/64"	37#		
RADIO CONTROL BOX BC-602	5 7/8"	5 9/16"	2 1/2"	2.4#		
COMBINED WEIGHT OF COMPONENTS:				91 #	APPROXIMATELY	
COMBINED VOLUME OF COMPONENTS:				1.8 CU	FT APPROX.	
SHIP TONNAGE:						

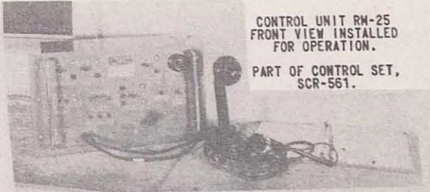
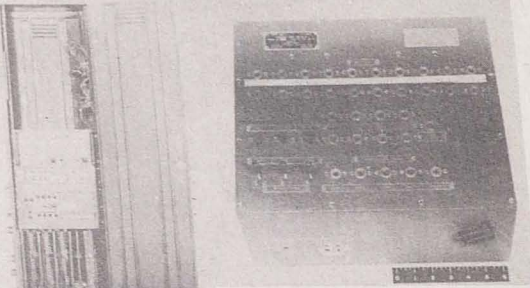
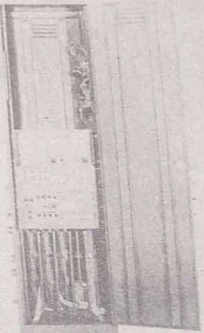
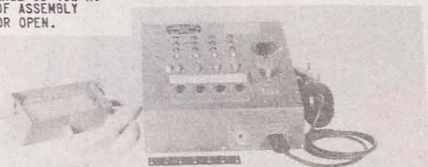
INSTRUCTIONAL LITERATURE: TM 11-625	STATUS: CHANGE IN STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-543																																													
<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p style="writing-mode: vertical-rl; transform: rotate(180deg);"> RADIO SET SCR-543 Radio Receiver and Transmitter BC-669 . Power Supply PE-110 Power Unit PE-108 . Remote Control Unit RC-21 </p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);"> MEDIUM POWER MOBILE COMMAND SET. CAPABLE OF OPERATION IN A MOVING VEHICLE </p> </div> </div>			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mo) 1.68 - 4.45 NUMBER OF CRYSTALS: 6 PRESET FREQUENCIES: 6 ANTENNA: 15' WHIP ANTENNA. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: POWER SUPPLY UNIT PE-110 115V AC, POWER UNIT PE-108. SIMILAR SETS: POWER OUTPUT: (WATTS) 45 TUBES: (TYPE AND NUMBER) SCR-543-C USES: 1 BC-669 - 1 6H6; 1 6J5; 2 807; 1 6L6; 4 6L6G; 3 6SK7; 1 12U5GT; 1 6SA7; 1 6K6GT. 1 PE-110-C-1 TYPE 80; 4 5Z3.	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: CAC: FIRING BATTERY, BARRAGE BALLOON UNITS, & AA UNITS. RANGE: (MILES) 15 MOVING. 20-30 STATIONARY. TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: VEHICLE. (CAN BE DISMOUNTED QUICKLY AND OPERATED WITH INCREASED RANGE AS FIELD STATION) TYPE OF SIGNAL: VOICE ONLY (AM)																																													
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 60%;">ITEM</th> <th colspan="3" style="text-align: center;">DIMENSIONS</th> <th rowspan="2" style="width: 10%;">WEIGHT</th> <th rowspan="2" style="width: 17%;">CLASSIFICATION</th> </tr> <tr> <th style="width: 10%;">HEIGHT</th> <th style="width: 10%;">WIDTH</th> <th style="width: 10%;">DEPTH</th> </tr> </thead> <tbody> <tr> <td>RECEIVER & TRANSMITTER BC-669,</td> <td>28 1/2"</td> <td>20 3/8"</td> <td>29 3/4"</td> <td>181#</td> <td></td> </tr> <tr> <td>POWER UNIT PE-110</td> <td>22 1/2"</td> <td>15 1/4"</td> <td>26 3/4"</td> <td>163#</td> <td></td> </tr> <tr> <td>POWER UNIT PE-108</td> <td>24"</td> <td>28"</td> <td>23 3/4"</td> <td>320#</td> <td></td> </tr> <tr> <td colspan="5">COMBINED WEIGHT OF COMPONENTS:</td> <td></td> </tr> <tr> <td colspan="5">COMBINED VOLUME OF COMPONENTS:</td> <td></td> </tr> <tr> <td colspan="5">SHIP TONNAGE:</td> <td></td> </tr> </tbody> </table>					ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RECEIVER & TRANSMITTER BC-669,	28 1/2"	20 3/8"	29 3/4"	181#		POWER UNIT PE-110	22 1/2"	15 1/4"	26 3/4"	163#		POWER UNIT PE-108	24"	28"	23 3/4"	320#		COMBINED WEIGHT OF COMPONENTS:						COMBINED VOLUME OF COMPONENTS:						SHIP TONNAGE:					
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SHIP TONNAGE:																																																	

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

SCR-551		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	SUBSTITUTE STANDARD 11 JUN 42	INSTRUCTIONAL LITERATURE: TM 11-247 (FOR SCR-551-A)		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 2.0 TO 20.0 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: ADCOOK TUNING: (MO OR XTAL) DOES NOT APPLY SENSITIVITY: 5 - 30 MICROVOLTS/METER SELECTIVITY: POWER SOURCE: 6V STORAGE BATTERY SIMILAR SETS: SCR-255, 555, 556 POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 1 VT-66 3 VT-80 3 VT-86 3 VT-90 3 VT-91 1 VT-99 2 VT-105 4 VT-116 6 VT-124 1 VT-163 4 6SF5 1 3BP1 (C.R.)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: RADIO DIRECTION FINDER FOR LOCATING ENEMY TRANSMITTERS AND FOR NAVIGATIONAL AID TO FRIENDLY AIRCRAFT. RANGE: TO COMMUNICATE WITH: DOES NOT APPLY TO REPLACE IN PART: SCR-255 TRANSPORTATION: 2½ TON CARGO TRUCK TYPE OF SIGNAL: DOES NOT APPLY		CHANGE IN STATUS:				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)									
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION				
	HEIGHT	WIDTH	DEPTH						
CS-121 CONTAINING:			15 1/2"	212#					
VIBRATOR UNIT PE-151				20#					
CONTROL PANEL PN-21				29#					
OSCILLOSCOPE BC-991				38#					
RADIO RECEIVER BC-976	40"			40#					
TOWER TR-51	15'	5 1/2'	9'	616#					
ADCOOK ANTENNA		13'	1'	33#					
SHELTER HO-11	86"	80"	80"	205#					
COMBINED WEIGHT OF COMPONENTS: INCLUDING CHESTS, LADDER, BATTERIES				2600#					
COMBINED VOLUME OF COMPONENTS:									
SHIP TONNAGE:									

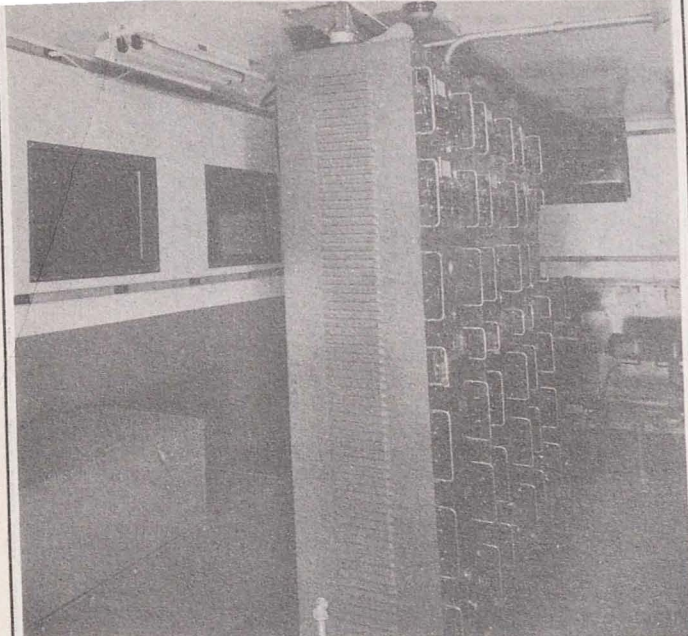
RADIO SET SCR-551
PREPARED FOR DIRECTION FINDING
EQUIPMENT AND OPERATOR ROTATE ON TOP OF 15-FOOT TOWER. GIVES
AURAL NULL AND LEFT-RIGHT BEARING INDICATION ON OSCILLOSCOPE.

INSTRUCTIONAL LITERATURE:	STATUS:	STANDARD 30 Oct 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-555																																																																																													
	CHANGE IN STATUS:																																																																																																	
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)																																																																																													
			FREQUENCY RANGE: (Mc) 18 - 65 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: Adcock TUNING: (MO OR XTAL) DOES NOT APPLY SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 V STORAGE BATTERY SIMILAR SETS: SCR-551; SCR-556 POWER OUTPUT: (WATTS) DOES NOT APPLY TUBES: (TYPE AND NUMBER) 1 VT-90 2 VT-94 2 VT-112 2 VT-131 1 VT-198-A 3 VT-209 1 VT-211 1 VT-233 2 VT-268		USE: RADIO DIRECTION FINDER FOR LOCATING ENEMY TRANSMITTERS. RANGE: TO COMMUNICATE WITH: DOES NOT APPLY TO REPLACE IN PART: NONE TRANSPORTATION: CARGO TRUCK TYPE OF SIGNAL: DOES NOT APPLY																																																																																													
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<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>TOWER AND SHELTER ASSEMBLY TR-25 PACKED IN 5 CHESTS:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> 1 CHEST CH-135 CONTAINING 3 SHELTER SIDE SECTIONS</td> <td>64"</td> <td>59"</td> <td>10"</td> <td>329#</td> <td></td> </tr> <tr> <td> 1 CHEST CH-136 CONTAINING ROOF SECTION</td> <td>64"</td> <td>62"</td> <td>9"</td> <td>257#</td> <td></td> </tr> <tr> <td> 1 CHEST CH-137 CONTAINING 3 LOWER TOWER LEGS, 3 UPPER TOWER LEGS, 1 APEX BLOCK, AND 3 WEDGES</td> <td>90"</td> <td>12"</td> <td>11"</td> <td>270#</td> <td></td> </tr> <tr> <td> 1 CHEST CH-201 CONTAINING FLOOR SECTION</td> <td>72"</td> <td>72"</td> <td>7"</td> <td>251#</td> <td></td> </tr> <tr> <td> 1 CHEST CH-202 CONTAINING 3 BASE PILLS, TARGET TRIPOD LG-23-B, COMPASS TRIPOD LG-14-B, AND GROUND ROD GP-28</td> <td>12"</td> <td>120"</td> <td>8"</td> <td>200#</td> <td></td> </tr> <tr> <td>ANTENNA MAST ASSEMBLY AN-105 PACKED IN CHEST CH-105</td> <td>104"</td> <td>13"</td> <td>14"</td> <td>215#</td> <td></td> </tr> <tr> <td>PEDESTAL ASSEMBLY FT-365 PACKED IN CHEST CH-126</td> <td>30"</td> <td>54"</td> <td>36"</td> <td>194#</td> <td></td> </tr> <tr> <td>RECEIVER CABINET CS-155 CONTAINING 1 RECEIVER BC-1005, 1 POWER UNIT PE-155, AND 1 CORD CD-1028</td> <td>28"</td> <td>26"</td> <td>16"</td> <td>170#</td> <td></td> </tr> <tr> <td>MISCELLANEOUS ACCESSORIES</td> <td>---</td> <td>---</td> <td>---</td> <td>552#</td> <td></td> </tr> <tr> <td colspan="6">NOTE: DIMENSIONS AND WEIGHTS SHOWN ARE FOR CHESTS, INCLUDING COMPONENTS PACKED THEREIN.</td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>2,438#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS:</td> <td></td> <td></td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td></td> <td></td> </tr> </tbody> </table>						ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	TOWER AND SHELTER ASSEMBLY TR-25 PACKED IN 5 CHESTS:						1 CHEST CH-135 CONTAINING 3 SHELTER SIDE SECTIONS	64"	59"	10"	329#		1 CHEST CH-136 CONTAINING ROOF SECTION	64"	62"	9"	257#		1 CHEST CH-137 CONTAINING 3 LOWER TOWER LEGS, 3 UPPER TOWER LEGS, 1 APEX BLOCK, AND 3 WEDGES	90"	12"	11"	270#		1 CHEST CH-201 CONTAINING FLOOR SECTION	72"	72"	7"	251#		1 CHEST CH-202 CONTAINING 3 BASE PILLS, TARGET TRIPOD LG-23-B, COMPASS TRIPOD LG-14-B, AND GROUND ROD GP-28	12"	120"	8"	200#		ANTENNA MAST ASSEMBLY AN-105 PACKED IN CHEST CH-105	104"	13"	14"	215#		PEDESTAL ASSEMBLY FT-365 PACKED IN CHEST CH-126	30"	54"	36"	194#		RECEIVER CABINET CS-155 CONTAINING 1 RECEIVER BC-1005, 1 POWER UNIT PE-155, AND 1 CORD CD-1028	28"	26"	16"	170#		MISCELLANEOUS ACCESSORIES	---	---	---	552#		NOTE: DIMENSIONS AND WEIGHTS SHOWN ARE FOR CHESTS, INCLUDING COMPONENTS PACKED THEREIN.						COMBINED WEIGHT OF COMPONENTS:				2,438#		COMBINED VOLUME OF COMPONENTS:						SHIP TONNAGE:					
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RADIO SET SCR-555 PREPARED FOR DIRECTION FINDING GIVES AURAL NULL OR LEFT-RIGHT METER BEARING INDICATION. OPERATOR ROTATES WITH EQUIPMENT AT BASE OF TOWER. SAME AS RADIO SET SCR-556 EXCEPT FOR FREQUENCY RANGE.																																																																																																		

SCR-561		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD AS COMPONENT OF SCS-2	INSTRUCTIONAL LITERATURE:
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		CHANGE IN STATUS:			
<p>FREQUENCY RANGE: (MO) CONTROL SET SCR-561 IS THE OPERATIONS BLOCK OF CONTROL NET SYSTEM SCS-2 AND CONTAINS NO RADIO EQUIPMENT. HOUSED IN BUILDING NOT PART OF CONTROL SET.</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES: NONE</p> <p>ANTENNA: NONE</p> <p>TUNING: (MO OR XTAL) NONE</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: POWER UNIT PE-99 (7½ KVA 110V. 3 PHASE 60 CYCLE); ALSO PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE.)</p> <p>SIMILAR SETS: CONTROL SET SCR-642</p> <p>POWER OUTPUT: (WATTS)</p> <p>TUBES: (TYPE AND NUMBER) CHARGER: 1 8904B. REPEATER EE-99-T3; 12 3Q5GT; 12 1N5GT. TUBE TESTER 504-A SUPREME: 1 71-A; 1 NEON BULB. VOLTOHMYST MODEL 165 RCA; 2 6X6GT; 1 6X5GT. BALLANTINE VOLT METER 300-A; 1 6U7; 2 6SJ7; 1 6X5GT; 1 6H6; 2 OD-2005. OSCILLOSCOPE 155 RCA; 1 3AP1-906P1; 2 6C6; 2 80; 1 80L. GENERATOR 205-A; 1 6S7; 1 6F6; 26SF5; 2 6L6G; 1 514; 1 6H6.</p>		<p>USE: CONTROL SET USED AS AN OPERATIONS BLOCK WHICH PROVIDES THE NECESSARY CONTROL EQUIPMENT AND AUXILIARIES TO PERMIT SIMULTANEOUS OPERATIONAL CONTROL OF UP TO FOUR AIRCRAFT SQUADRONS, FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS.</p> <p>RANGE: (MILES) SEE SCR-562; SCR-563 ETC.</p> <p>TO COMMUNICATE WITH: RADIO SETS SCR-562, SCR-563; SCR-564; SCR-565; SCR-566, AND SCR-567 AND ALSO WITH AIRCRAFT EQUIPPED WITH RADIO SET SCR-522.</p> <p>TO REPLACE IN PART:</p> <p>TRANSPORTATION: NONE</p> <p>TYPE OF SIGNAL: SEE BELOW*</p>				 <p>CONTROL UNIT RM-25 FRONT VIEW INSTALLED FOR OPERATION. PART OF CONTROL SET, SCR-561.</p>  <p>CONTROL UNIT RM-28-A. TOP VIEW OF PANEL</p>  <p>DISTRIBUTION PANEL BD-102-A. FRONT VIEW OF ASSEMBLY CABINET DOOR OPEN.</p>  <p>CONTROL UNIT RM-26-A, ASSEMBLED. SHOWING PLUG PL-198</p>	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)							
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION		
	HEIGHT	WIDTH	DEPTH				
1 POWER UNIT PE-99 EACH	55"	28"	50"	1600	RESTRICTED		
5 CONTROL UNIT RM-25 EACH	20"	11 1/4"	11 1/4"	44	RESTRICTED		
3 CONTROL UNIT RM-26 EACH	11 7/8"	9"	8"	20	RESTRICTED		
1 CONTROL UNIT RM-28	14 1/2"	12"	7"	35	RESTRICTED		
1 DISTRIBUTION PANEL BD-102	77 1/4"	24 1/4"	24"	300	RESTRICTED		
6 TELEPHONE REPEATER EE-99 EACH	8"	14 1/2"	11 1/2"	47	RESTRICTED		
2 TELEPHONE EE-8 EACH				9 1/2	RESTRICTED		
COMBINED WEIGHT OF COMPONENTS:				10,500 #			
COMBINED VOLUME:				325 Cu. FT.			
SHIP TONNAGE:				5 1/4			

RADIO SET SCR-561. PRINCIPAL COMPONENTS.

CONTROL SET SCR-561 CONTAINS NO RADIO EQUIPMENT, BUT, BY INTERCONNECTING WIRE LINES AND REMOTE CONTROL FACILITIES WITH RADIO SETS LISTED, COMMUNICATION IS CARRIED ON WITH THESE STATIONS AND ALSO WITH AIRCRAFT OPERATOR. CONTROL SET SCR-561 IS THE OPERATIONS BLOCK OF CONTROL NET SYSTEM, SCS-2, AND CONTAINS NO RADIO EQUIPMENT. HOUSED IN BUILDINGS NOT PART OF CONTROL SET.



TRANSMITTING EQUIPMENT KE-1-A. PART OF RADIO SET SCR-562
LOCATION OF TRANSMITTERS IN TRAILER K-35

SAME AS RADIO SET SCR-632 EXCEPT SEMI-MOBILE. TECHNICAL CHARACTERISTICS: TRANSMITTER BC-640 HAS PROVISIONS FOR BOTH LOCAL AND REMOTE MODULATION. PLATE VOLTAGE RELAY ACTUATED THROUGH THE MICROPHONE CIRCUIT TO PREVENT CARRIER RADIATION WHEN NOT BEING MODULATED.

SIX (6) INCOMING WIRE LINES ARE BROUGHT INTO THE CONTROL UNIT RM-27 (MONITOR UNIT) AND THEN TO THE INPUT OF THE TRANSMITTER BC-640. THE CONTROL UNIT RM-27 HAS PROVISIONS FOR PATCHING THE INCOMING LINE TO THE SIX (6) TRANSMITTERS, MONITORING AND ADJUSTING THE VOLUME OF THE INCOMING SIGNAL TO THE TRANSMITTER. INTERCOMMUNICATION WITH THE OPERATIONS BLOCK IS ALSO PROVIDED. SIX (6) TRANSMITTERS ARE PROVIDED BY PATCHING TOGETHER THE TWO (2) TRAILERS K-35.

FREQUENCY RANGE: (Mc) 100-156

NUMBER OF CRYSTALS: FIVE (5) IN USE (FULL CRYSTAL COMPLEMENT WILL BE DETERMINED BY AAF).

PRESET FREQUENCIES: FIVE

ANTENNA: VERTICAL DIPOL MOUNTED ON 90' MAST.

TUNING: (MO OR XTAL) XTAL.

SENSITIVITY: SELECTIVITY:

POWER SOURCE: POWER UNIT PE-99 (7½KVA, 110V 3 PHASE 60 CYCLE); ALSO PROVISION FOR USING COMMERCIAL POWER FROM 110V 2 WIRE SERVICE.

SIMILAR SETS: RADIO SETS SCR-632 (FIXED).

POWER OUTPUT: (WATTS) 50 (APPROXIMATELY)

TUBES: (TYPE AND NUMBER) 6-BC-640 TRANS: 8 EACH, (48) 5Z3; 4 EACH (24) 6J5; 3 EACH (18) 1613; 2 EACH (12) 811; 1 EACH (6) 807; 5 EACH (30) HK2L6. 1-Oscilloscope RCA #155; 1-3AP1/906P1; 2-606; 2-80; 1-884; 1-VOLT OHMYST RCA-165; 2-6K6GT; 1-6X5GT.

USE: VHF RADIO TRANSMITTING STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCS-2. PROVIDES 5 INDEPENDENT CHANNELS OF RADIO TRANSMISSION.

RANGE: (MILES) 135 MILES WITH AIRCRAFT AT AN ALTITUDE GREATER THAN 10,000 FT.

TO COMMUNICATE WITH: CONTROL SET SCR-561 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH RADIO SET SCR-522.

TO REPLACE IN PART:

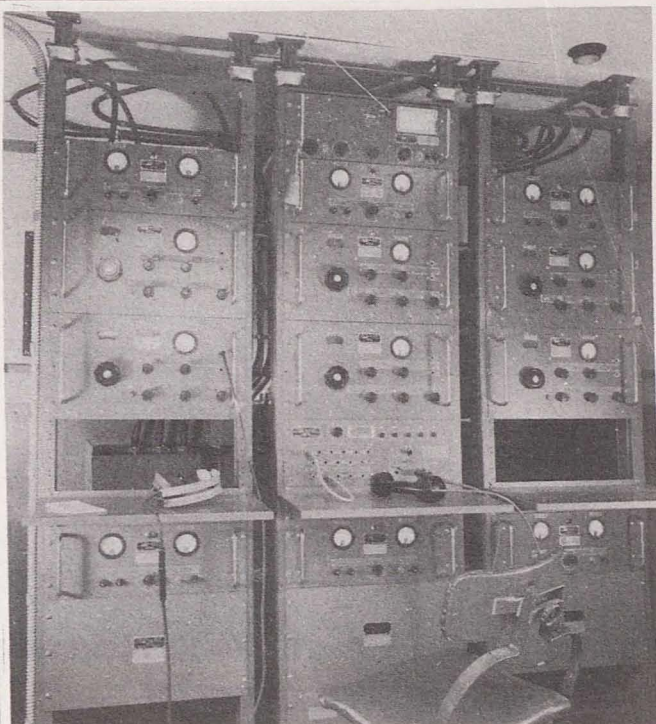
TRANSPORTATION: TWO (2) TRAILERS. EACH TRAILER K-35 HAS 3 EACH TRANSMITTERS BC-640, MAKING A TOTAL OF 6.

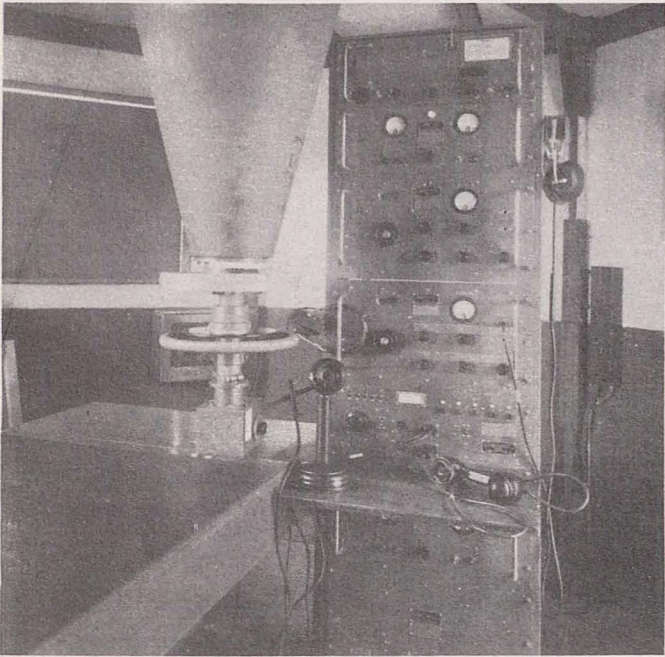
TYPE OF SIGNAL: VOICE MCW

PART C--PRINCIPAL COMPONENTS
(CLASSIFICATION: **RESTRICTED**)

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
6 TRANSMITTERS BC-640 (1 SPARE)	72"	21"	20"	515#	
2 CONTROL UNITS RM-27	19"	11 3/8"	10 1/2"	29#	
2 POWER UNITS PE-99	55"	28"	50"	1600#	
8 ANTENNA EQUIPMENT RC-81	12"	28 5/8"	38 1/2"	4#	
2 TRAILERS K-35 EACH	120"	96"	19 1/4	6500#	
2 ONE-TON CARGO TRAILERS	72"	72"	14 1/4"	1300 #	
4 ANTENNA AN-56 EACH MADE UP - Box 1	188"	43 1/2"	25 3/4"	2000#	
Box 2	76 1/2"	91 1/2"	23 1/2"	667#	
Box 3	13 1/2"	5 1/2"	14 7/8"	190#	
Box 4	35 1/2"	26 1/2"	17 1/2"	490#	
Box 5	36 5/8"	34 3/4"	17 1/2"	495#	
COMBINED WEIGHT OF COMPONENTS:				43000 LBS	
COMBINED VOLUME OF COMPONENTS:				5100 CU. FT.	
SHIP TONNAGE:				21 1/2 TON.	

THIS SHEET IS CLASSIFIED: **RESTRICTED**

<h1>SCR-563</h1>		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	STATUS:	INSTRUCTIONAL LITERATURE:																																																																																																																											
<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>FREQUENCY RANGE: (Mc) 100 - 156</p> <p>NUMBER OF CRYSTALS: 5 IN USE (FULL XTAL COMPLEMENT TO BE DETERMINED BY AAF).</p> <p>PRESET FREQUENCIES: 6 RECEIVERS BC-639 CONTAINED IN SCR-563 ARE NOT CRYSTAL CONTROLLED BUT ARE CALIBRATED BY MEANS OF THE FREQUENCY METER BC-638. THE FREQUENCY METER IS SET UP FOR 5 CRYSTALS WHICH ARE SELECTED BY MEANS OF A 5-POINT SWITCH. 1 XTAL IS NEEDED FOR EACH FREQUENCY.</p> <p>ANTENNA: VERTICAL DIPOLES MOUNTED ON 90' MAST. TUNING: (MO OR XTAL) VARIABLE</p> <p>SENSITIVITY: 2-3 μV/METER 50 MM OUTPUT.</p> <p>SELECTIVITY: 2 TIMES DOWN LESS 100 KC. 1000 TIMES DOWN MORE 350 KC.</p> <p>POWER SOURCE: POWER UNIT PE-99 (7 1/2 KVA 110V 3 PHASE 60 CYCLE); ALSO HAS PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE.</p> <p>SIMILAR SETS: SCR-633 (FIXED)</p> <p>POWER OUTPUT: (WATTS) 1 (DISTORTED). 1/2 (10% DISTORTION.)</p> <p>TUBES: (TYPE AND NUMBER) RECEIVING SET FOR SCS-2. 6 BC-639-A; 18 9003; 6 9002; 2 4 6SG7; 6 6K6GT; 6 6SK7; 1 BC-638-A; 1 5V4G; 1 9002; 2 9003; 1 6L5G; 1 6E5; 1 6SK7. 6 RA-42-A; 6 5V4G.</p>		<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>USE: VHF RADIO RECEIVING STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCS-2. PROVIDES 5 CHANNELS OF RADIO RECEIVING.</p> <p>RANGE: (MILES) DETERMINED BY OUTPUT OF AIRBORNE TRANSMITTER.</p> <p>TO COMMUNICATE WITH: CONTROL SET SCR-561 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH RADIO SET SCR-522.</p> <p>TO REPLACE IN PART:</p> <p>TRANSPORTATION: 1 TRAILER K-35. 1 ONE-TON CARGO TRAILER.</p> <p>TYPE OF SIGNAL: RECEIVERS VOICE, TONE MODULATED SIGNAL AND CW.</p>		CHANGE IN STATUS:																																																																																																																												
<p>PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>1 TRAILER K-35</td> <td>120"</td> <td>96"</td> <td>19 1/2"</td> <td>6500#</td> <td></td> </tr> <tr> <td>1 ONE-TON CARGO TRAILER</td> <td>72"</td> <td>72"</td> <td>14 1/2"</td> <td>1300#</td> <td></td> </tr> <tr> <td>6 RECEIVERS BC-639 (1 SPARE)</td> <td>10 1/2"</td> <td>19"</td> <td>13 1/4"</td> <td>36#</td> <td></td> </tr> <tr> <td>1 CONTROL UNIT RM-23</td> <td>5"</td> <td>19"</td> <td>8 1/2"</td> <td>18#</td> <td></td> </tr> <tr> <td>8 ANTENNA EQUIPMENT RC-81 2 EACH</td> <td>12"</td> <td>28 1/2"</td> <td>30 1/2"</td> <td>4#</td> <td></td> </tr> <tr> <td>1 POWER UNIT PE-99</td> <td>55"</td> <td>28"</td> <td>50"</td> <td>1600#</td> <td></td> </tr> <tr> <td>1 FREQUENCY METER BC-638</td> <td>11 1/2"</td> <td>19"</td> <td>7"</td> <td>35#</td> <td></td> </tr> <tr> <td>6 RECTIFIER RA-42 (1 SPARE)</td> <td>7"</td> <td>19"</td> <td>8 1/2"</td> <td>26#</td> <td></td> </tr> <tr> <td>3 SOCKET PANEL PN-4</td> <td>10 1/2"</td> <td>19"</td> <td>3 1/8"</td> <td>7#</td> <td></td> </tr> <tr> <td>1 FUSE PANEL PM-15</td> <td>5"</td> <td>19"</td> <td>5"</td> <td>2 1/2#</td> <td></td> </tr> <tr> <td>4 ANTENNA AN-56 EACH MADE UP:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> Box - 1</td> <td>188"</td> <td>43 1/2"</td> <td>25 3/4"</td> <td>2000#</td> <td></td> </tr> <tr> <td> Box - 2</td> <td>76 1/2"</td> <td>91 1/2"</td> <td>23 1/2"</td> <td>667#</td> <td></td> </tr> <tr> <td> Box - 3</td> <td>13 1/2"</td> <td>5 1/2"</td> <td>14 1/2"</td> <td>190#</td> <td></td> </tr> <tr> <td> Box - 4</td> <td>35 1/2"</td> <td>26 1/2"</td> <td>17 1/2"</td> <td>490#</td> <td></td> </tr> <tr> <td> Box - 5</td> <td>36 5/8"</td> <td>34 3/4"</td> <td>17 1/2"</td> <td>495#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>29,000 #</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS:</td> <td>3000 cu. FT.</td> <td></td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td>14 1/2 T</td> <td></td> </tr> </tbody> </table>						ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	1 TRAILER K-35	120"	96"	19 1/2"	6500#		1 ONE-TON CARGO TRAILER	72"	72"	14 1/2"	1300#		6 RECEIVERS BC-639 (1 SPARE)	10 1/2"	19"	13 1/4"	36#		1 CONTROL UNIT RM-23	5"	19"	8 1/2"	18#		8 ANTENNA EQUIPMENT RC-81 2 EACH	12"	28 1/2"	30 1/2"	4#		1 POWER UNIT PE-99	55"	28"	50"	1600#		1 FREQUENCY METER BC-638	11 1/2"	19"	7"	35#		6 RECTIFIER RA-42 (1 SPARE)	7"	19"	8 1/2"	26#		3 SOCKET PANEL PN-4	10 1/2"	19"	3 1/8"	7#		1 FUSE PANEL PM-15	5"	19"	5"	2 1/2#		4 ANTENNA AN-56 EACH MADE UP:						Box - 1	188"	43 1/2"	25 3/4"	2000#		Box - 2	76 1/2"	91 1/2"	23 1/2"	667#		Box - 3	13 1/2"	5 1/2"	14 1/2"	190#		Box - 4	35 1/2"	26 1/2"	17 1/2"	490#		Box - 5	36 5/8"	34 3/4"	17 1/2"	495#		COMBINED WEIGHT OF COMPONENTS:				29,000 #		COMBINED VOLUME OF COMPONENTS:				3000 cu. FT.		SHIP TONNAGE:				14 1/2 T	
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 <p>RECEIVING EQUIPMENT KE-2-A, PART OF RADIO SET SCR-563 OPERATOR'S POSITION.</p> <p>CONTROLLER LOCATED AT THE OPERATIONS BLOCK (SCR-561) COMMUNICATES WITH PILOT BY MEANS OF THE RECEIVER OF THE SCR-563 OVER WIRE LINE CONNECTIONS.</p>																																																																																																																																

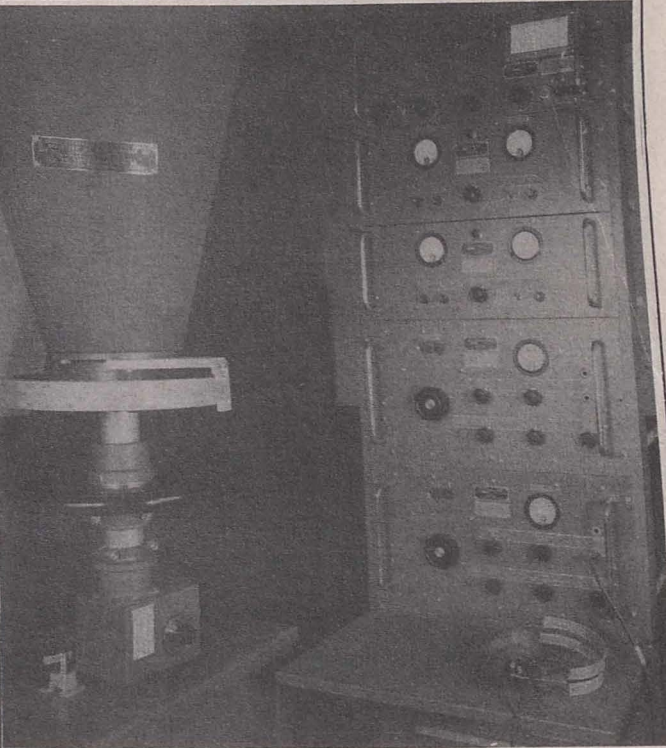
INSTRUCTIONAL LITERATURE:	STATUS:	STANDARD AS COMPONENT OF SCS-2	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	<h1>SCR-564</h1>
	CHANGE IN STATUS:				
	PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		
	FREQUENCY RANGE: (Mc) 100-156 NUMBER OF CRYSTALS: Two (2) IN USE (COMPLETE XTAL COMPLEMENT TO BE DETERMINED BY AAF) PRESET FREQUENCIES: Two (2) (SEE BELOW*) ANTENNA: ADOCK-DIRECTIONAL D/F WITH SENSE TUNING: (MO OR XTAL) VARIABLE SENSITIVITY: 2-3 MICROVOLTS/METER AT 50mw. SELECTIVITY: 2 TIMES DOWN LESS 100 KC. 1000 TIMES DOWN MORE 350 KC. POWER SOURCE: POWER UNIT PE-99 (7½ KVA 110V. 60 CY- CLE 3 PHASE. ALSO PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE. SIMILAR SETS: POWER OUTPUT: (WATTS) 1 WATT (DISTORTED) ½W (10% DISTORTION) TUBES: (TYPE AND NUMBER) 1 BC-638 - 1 5V4G; 1 9002; 2 9003; 1 6L5G; 1 6E5; 1 6SK7. 2 BC-639 - 6 9003; 2 9002; 8 6SG7; 2 6SQ7; 2 6K6GT. 2 RA-42 - 2 5V4G.		USE: SECTOR HOMING D/F STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCS-2. BY UTILIZING A SECTOR TRANSMITTER THE D/F OPERATOR HOMES THE AIRCRAFT BY THE "TALK DOWN METHOD". RANGE: (MILES) DETERMINED BY OUTPUT OF AIRBORNE TRANSMITTER AND HEIGHT OF AIRCRAFT. TO COMMUNICATE WITH: FIGHTER AIRCRAFT EQUIPPED WITH RADIO SCR-522 BY RADIO AND WITH SCR-561 BY TELEPHONE. TO REPLACE IN PART: TRANSPORTATION: NONE TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED SIGNAL AND CW.		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)					
(PACKED IN 12 BOXES TOTAL 1983 CU. FT.)					
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
1 Tower TR-17				21,146#	RESTRICTED
1 POWER UNIT PE-99	55"	28"	50"	1600	RESTRICTED
1 SHELTER HO-3	24"	60"	72"	626	RESTRICTED
2 RECEIVERS BC-639	10 1/2"	19"	13 1/4"	36	RESTRICTED
2 RECTIFIER RA-42	7"	19"	8 5/8"	26	RESTRICTED
1 FREQUENCY METER BC-638	11 1/2"	19"	7"	35	RESTRICTED
1 SOCKET PANEL PN-4	10 1/2"	19"	3/8"	7	RESTRICTED
1 FUSE PANEL PN-15	5"	19"	5"	24	RESTRICTED
1 ANTENNA EQUIPMENT RC-82				150	RESTRICTED
1 CONTROL UNIT RM-24	5"	19"	11"	21	RESTRICTED
COMBINED WEIGHT OF COMPONENTS:				33,500#	
COMBINED VOLUME:				2200 FT.	
SHIP TONNAGE:				16 3/4	

RADIO SET SCR-564 . PART OF CONTROL NET SYSTEM SCS-2
 Front View of Radio Receiving Equipment RC-78-A
 And Lower Portion of Antenna Equipment RC-82

*PRESET FREQUENCIES: CRYSTALS ARE CONTAINED IN THE FREQUENCY METER BC-638 USED TO CALIBRATE AND ADJUST THE RECVR. BC-639. THE RECVR. BC-639 IS NOT CRYSTAL CONTROLLED. THE FREQUENCY METER BC-638 CAN BE SET UP ON 5 DIFFERENT CRYSTAL CONTROLLED FREQUENCIES AT ONE TIME. THE DESIRED XTAL SELECTED BY A 5-POSITION SWITCH. THE ABOVE PERFORMANCE DATA IS FOR RECVR. BC-639.

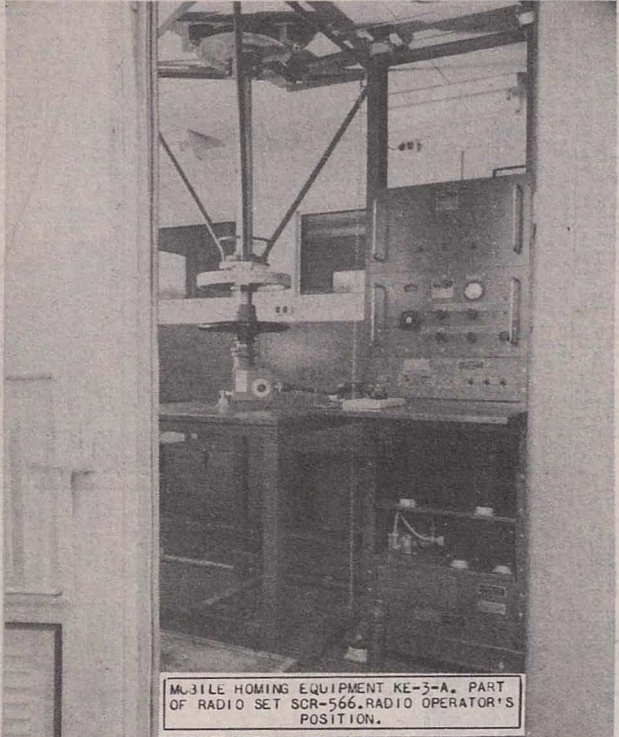
THIS SHEET IS CLASSIFIED: **RESTRICTED**

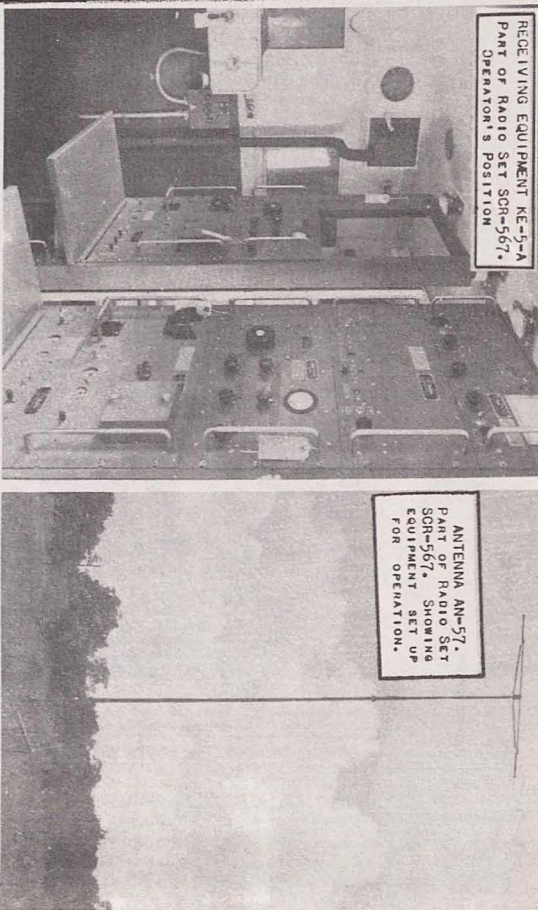
SCR-565		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD AS COMPONENT OF SCS-2	INSTRUCTIONAL LITERATURE:
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		CHANGE IN STATUS:			
FREQUENCY RANGE: (Mc) 100-156 NUMBER OF CRYSTALS: 2 IN USE (COMPLETE XTAL COMPLEMENT TO BE DETERMINED BY AAF) PRESET FREQUENCIES: 2 SEE NOTE * ANTENNA: VERTICAL ADOOOK D/F WITH SENSING FACILITIES. TUNING: (MO OR XTAL) VARIABLE SENSITIVITY: SELECTIVITY: POWER SOURCE: POWER UNIT PE-99 (7½ KVA 110V 60 CYCLE 3 PHASE); ALSO HAS PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE. SIMILAR SETS: POWER OUTPUT: (WATTS) 1 WATT (DISTORTED) ½ WATT (10% DISTORTION) TUBES: (TYPE AND NUMBER) 1 BC-638 - 1 5V4G; 1 9002; 2 9003; 1 6L5B; 1 6E5; 1 6SK7. 2 BC-639 - 6 9003; 2 9002; 8 6SQ7; 2 6SQ7; 2 6K6GT. 2 RA-42 - 2 5V4G.		USE: D/F FIXED STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCS-2. TWO OR MORE RADIO SETS SCR-565 ARE USED FOR DETERMINING AZIMUTH BEARING OF AIRCRAFT EQUIPPED WITH RADIO SET SCR-522. SIMULTANEOUS BEARINGS ARE TAKEN AND TELEPHONED TO THE OPERATIONS BLOOK (SCR-561) AND BY TRIANGULATION, THE POSITION OF THE AIRCRAFT IS FIXED. RANGE: (Miles) TO COMMUNICATE WITH: CONTROL SET SCR-561 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH SCR-522. TO REPLACE IN PART: TRANSPORTATION: NONE TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED SIGNAL AND CW.					
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)							
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION		
	HEIGHT	WIDTH	DEPTH				
(PACKED IN 12 BOXES)							
1 TOWER TR-17	TOTAL	1983	OV.	FT.	21,146#	RESTRICTED	
1 SHELTER HC-3 (KNOCKED DOWN)	24"	60"	72"		626#	RESTRICTED	
1 POWER UNIT PE-99	55"	28"	50"		1,600	RESTRICTED	
1 RADIO RECEIVING EQUIP. RC-79	60"	24"	12"		300	RESTRICTED	
1 ANTENNA EQUIPMENT RC-82					150	RESTRICTED	
COMBINED WEIGHT OF COMPONENTS:					33,500#	APPROXIMATELY	
COMBINED VOLUME:					2,200	CU. FT. "	
SHIP TONNAGE:					16 ¾	TONS "	

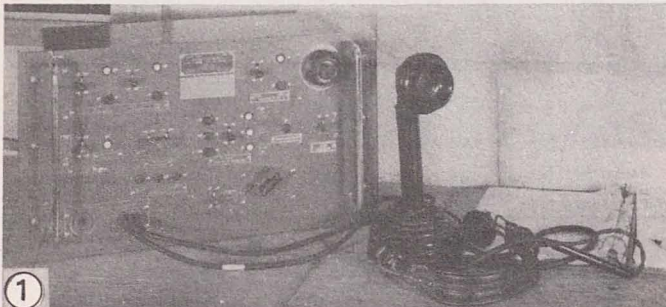
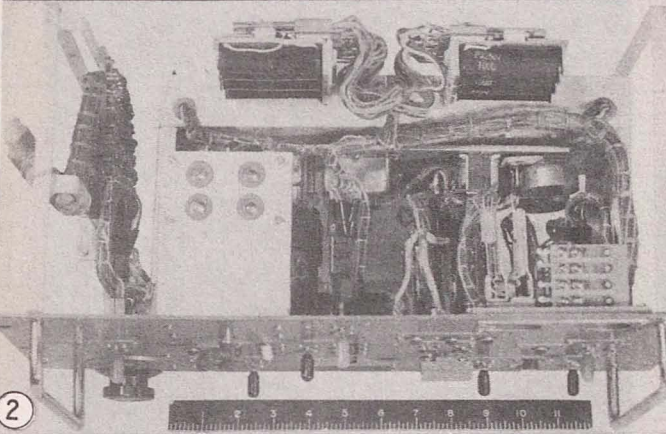


RADIO SET SCR-565
Operator's Position


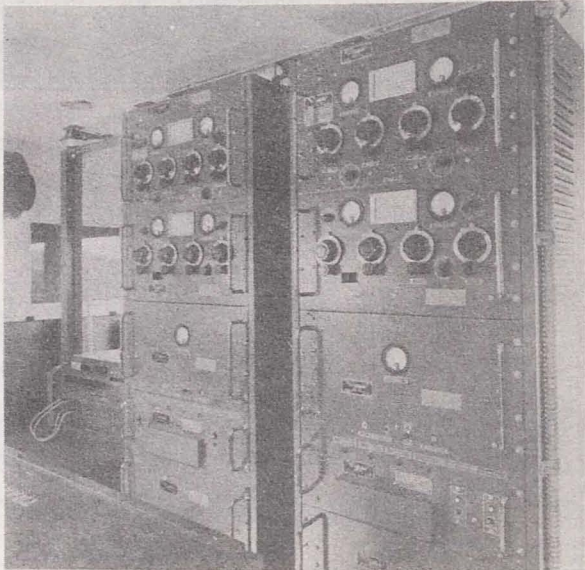
*PRESET FREQUENCIES: CRYSTALS ARE CONTAINED IN THE FREQUENCY METER BC-638 USED TO CALIBRATE AND ADJUST THE RECEIVER BC-639. THE RECEIVER BC-639 IS NOT CRYSTAL CONTROLLED. THE FREQUENCY METER BC-638 CAN BE SET UP ON 5 DIFFERENT CRYSTAL CONTROLLED FREQUENCIES AT ONE TIME AND THE DESIRED XTAL SELECTED BY A 5-POSITION SWITCH.

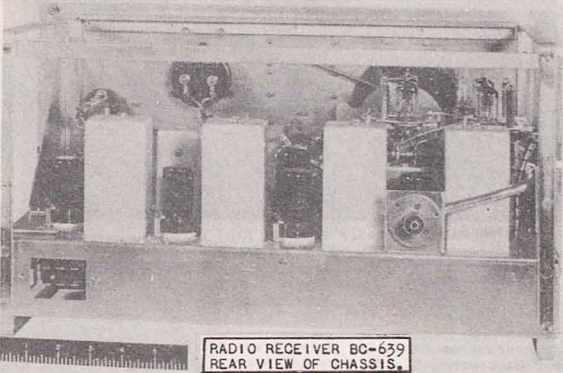
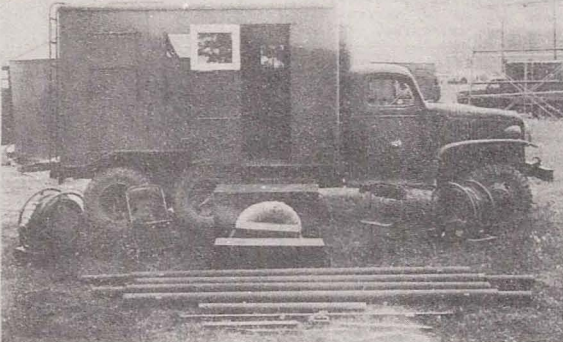
INSTRUCTIONAL LITERATURE:	STATUS:	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-566																																																																																																				
	CHANGE IN STATUS:																																																																																																						
 <p>MULTIPLE HOMING EQUIPMENT KE-3-A. PART OF RADIO SET SCR-566. RADIO OPERATOR'S POSITION.</p>	PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																																																																																				
	FREQUENCY RANGE: (Mc) 100 - 156 NUMBER OF CRYSTALS: 9 IN USE (FULL XTAL COMPLEMENT TO BE DETERMINED BY AAF) PRESET FREQUENCIES: 9 (4 IN BC-624; 4 IN BC-625; 1 IN BC-638). ANTENNA: VERTICAL ADcock D/F WITH SENSING FACILITIES. TUNING (MO OR XTAL) BC-624; BC-625; XTAL; BC-639 VARIABLE. SENSITIVITY: 2-3 MICROVOLTS/METER AT 50 MW. SELECTIVITY: 2 TIMES DOWN LESS 100 KC. 1000 TIMES DOWN MORE 350 KC. POWER SOURCE: STORAGE BATTERY AND POWER UNIT PE-99 (7 1/2 KVA 110V 3 PHASE, 60 CYCLE); ALSO PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE. SIMILAR SETS: RADIO SET SCR-575. POWER OUTPUT: (WATTS) TRANSMITTER BC-625 OUTPUT 6 WATTS MINIMUM. TUBES: (TYPE AND NUMBER) SEE NOTE *		USE: MOBILE D/F STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATION. PART OF CONTROL NET SYSTEM SCS-2. USED AS A MOBILE HOMING AND D/F STATION FOR PLANES EQUIPPED WITH RADIO SET SCR-522. RANGE: (MILES) 135 MILES WITH AIRCRAFT AT 10,000 FEET. TO COMMUNICATE WITH: CONTROL SET SCR-561 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH RADIO SET SCR-522. TO REPLACE IN PART: TRANSPORTATION: ONE (1) TRUCK K-53, 1 TRAILER K-63 (POWER) TYPE OF SIGNAL: VOICE AND MCW.																																																																																																				
	PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																																																																																						
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SCR-566 USES RECEIVER BC-639 FOR D/F. CONTAINS COMPONENTS OF SCR-522 FOR COMMUNICATION WITH AIRCRAFT. RADIO COMPONENTS ALSO OPERATE FROM STORAGE BATTERY POWER. D/F ANTENNA IS USED FOR BOTH D/F AND COMMUNICATION.																																																																																																							
*TUBES: (TYPE AND NUMBER) 1 BC-624-A: 1 9002; 3 9003; 1 12J5GT; 1 120B; 3 12SG7; 1 12AH7GT. 1 BC-625-A: -1 606G; 3 12A6; 2 832-A; 2 6SS7. 1 BC-639 - 3 9003; 1 9002; 4 6SQ7; 1 6K6GT. 1 BC-655-1 95B; 1 A5GT.																																																																																																							

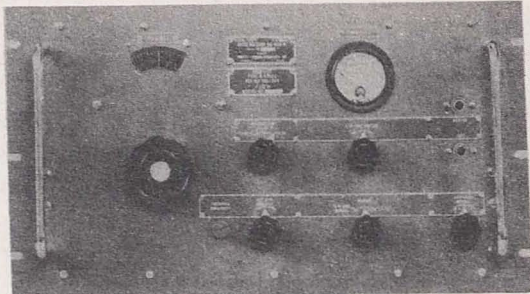
SCR-567		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD AS COMPONENT OF SCS-2	INSTRUCTIONAL LITERATURE:
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)			CHANGE IN STATUS:	
FREQUENCY RANGE: (Mc) 100-156 NUMBER OF CRYSTALS: IN USE; 2 IN TRANSMITTER STATION, 2 IN RECEIVER STATION (FULL XTAL COMPLEMENT TO BE DETERMINED BY AAF) PRESET FREQUENCIES: 2 IN TRANSMITTER STATION, 2 IN RECEIVER STATION (FREQ. METER) ANTENNA: VERTICAL DIPOLES MOUNTED ON 50' MAST. TUNING: (MO OR XTAL) TRANSMITTERS XTAL-RECEIVERS VARIABLE. SENSITIVITY: 2-3 MICROVOLTS/METER AT 50MW. SELECTIVITY: 2 TIMES DOWN LESS 100 KC. 1000 TIMES DOWN MORE 350 KC. POWER SOURCE: POWER UNIT PE-99 (7 1/2 KVA 110V 3 PHASE 60 CYCLE); ALSO HAS PROVISION FOR OPERATION ON COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE. SIMILAR SETS: RADIO SET SCR-573 AND SCR-574; ALSO RADIO SET SCR-637 (FIXED) POWER OUTPUT: (WATTS) 50 WATTS FROM TRANSMITTER. 1/2 WATT RECEIVER. TUBES: (TYPE AND NUMBER) SEE NOTE *			USE: FORWARD RELAY STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCS-2 PROVIDES 2 INDEPENDENT CHANNELS RECEIVING AND TRANSMITTING FOR EXTENDING THE RANGE OF RADIO SETS SCR-562 AND SCR-563 WHEN USED AS PART OF THE FIGHTER CONTROL SYSTEM RANGE: (MILES) 135 MILES WITH AIRCRAFT AT 10,000 FEET. TO COMMUNICATE WITH: CONTROL SET SCR-561 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH RADIO SET SCR-522. TO REPLACE IN PART: TRANSPORTATION: 2 TRUCK K-53, 2 ONE-TON CARGO TRAILER. TYPE OF SIGNAL: VOICE AND MCW			ALTHOUGH RADIO SET SCR-567 WAS DESIGNED AS A REMOTE CONTROLLED FORWARD RELAY STATION OF THE SCS-2 SYSTEM, IT CAN BE USED SEPARATELY. 1 RADIO SET SCR-567 IS EQUIVALENT TO 1 RADIO SET SCR-573 AND 1 RADIO SET SCR-574. TRANS. STATION CONTAINS 2 TRANS. BC-610. RECVR. STATION CONTAINS 2 RECEIVERS BC-639. * SCR-567 uses RA 122, 1-5V4G, BC-666, 3-22L6, BC-638-A, 1-5V4G, 1-9002, 2-9003, 1-6L5G, 1-6E5, 1-6SK7, BC-639-A, 3-9003, 1-9002, 1-6687, 1-6887, BC-610, 8-523, 1-645, 3-1633, 2-811, 1-807, 5-HK21G, RCA #185 Volt Ohmres: 2-6687, 1-6X50T, Supreme Tone Tester #501-A, 1-71-A, 1-Neon Bule 1/4 WATT. GE Tunear Changers: 689, 3381, 1-GE Tunear #18901B.	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)							
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION		
	HEIGHT	WIDTH	DEPTH				
2 TRUCKS K-53 EACH	130"	96"	256"	13,385	RESTRICTED		
2 ONE-TON CARGO TRAILERS EACH	72"	72"	144"	1,300	RESTRICTED		
2 POWER UNIT PE-99 EACH	55"	28"	50"	1,600	RESTRICTED		
2 TRANSMITTERS BC-640 EACH	72"	21"	20"	515	RESTRICTED		
2 RECEIVERS BC-639 EACH	10 1/2"	19"	13 1/2"	36	RESTRICTED		
1 FREQUENCY METER BC-638	11 1/2"	19"	7"	35	RESTRICTED		
2 ANTENNA AN-57 EACH	TOTAL	100 CU. FT.	2500		RESTRICTED		
4 ANTENNA EQUIPMENT RC-81 EACH	12"	28 1/2"	38 1/2"	4	RESTRICTED		
2 CONTROL UNITS RM-18 EACH	5"	19"	8"	16	RESTRICTED		
2 AMPLIFIER BC-686	12"	19"	11"	36	RESTRICTED		
2 RECTIFIER RA-12 EACH	7"	19"	8 1/2"	26	RESTRICTED		
1 FUSE PANEL PN-15	5"	19"	5"	24	RESTRICTED		
1 FUSE PANEL PN-5	4 3/4"	19"	3 1/2"	15	RESTRICTED		
1 RELAY UNIT BC-685	8 3/4"	19"	14 1/4"	46	RESTRICTED		
COMBINED WEIGHT OF COMPONENTS:				40,000#	APPROX.		
COMBINED VOLUME OF COMPONENTS:				5,000 CU. FT.	"		
SHIP TONNAGE:				20 TONS	"		

INSTRUCTIONAL LITERATURE:	STATUS:	STANDARD 20 Nov 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-572																																																																																	
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) THE CONTROL SET SCR-572 IS AN OPERATIONS BLOCK OF A FIGHTER CONTROL SYSTEM AND CONTAINS NO RADIO EQUIPMENT. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: NONE TUNING: (MO OR XTAL) NONE SENSITIVITY: SELECTIVITY: POWER SOURCE: POWER UNIT PE-99 (7½ KVA 110V 3 PHASE 60 CYCLE) ALSO HAS PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE. SIMILAR SETS: CONTROL SET SCR-642 (FIXED) POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 3-8C-687; 12-25L6.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: CONTROL SET USED AS AN OPERATIONS BLOCK WHICH PROVIDES THE NECESSARY CONTROL EQUIPMENT AND AUXILIARIES TO PERMIT SIMULTANEOUS OPERATIONAL CONTROL OF UP TO TWO (2) AIRCRAFT SQUADRONS FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. RANGE: (MILES) MINIMUM OF 135 MILES WITH AIRCRAFT AT 10,000 FT. TO COMMUNICATE WITH: SCR-573 SCR-574 SCR-575 AND WITH AIRCRAFT EQUIPPED WITH SCR-522 TO REPLACE IN PART: TRANSPORTATION: TRAILER K-55; 1½ TON TRACTOR TRUCK; 1 TON CARGO TRAILER. TYPE OF SIGNAL:																																																																																	
		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																																																																				
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<p>(1) CONTROL UNIT RM-25. PART OF CONTROL SET SCR-572. INSTALLED FOR OPERATION. (2) CONTROL UNIT RM-25-A, BOTTOM VIEW OF CHASSIS</p> <p>CONTROL SET SCR-572 IS AN OPERATIONS BLOCK OF A FIGHTER CONTROL SYSTEM AND CONTAINS NO RADIO EQUIPMENT, BUT, BY MEANS OF INTERCONNECTING WIRE LINES AND REMOTE CONTROL FACILITIES WITH THE RADIO SETS LISTED, COMMUNICATION IS CARRIED ON WITH THESE STATIONS AND ALSO WITH THE AIRCRAFT OPERATOR. THIS SET ALSO CONTAINS FACILITIES FOR PLOTTING DATA RECEIVED FROM THE D/F STATION SCR-575.</p>																																																																																						

THIS SHEET IS CLASSIFIED: **RESTRICTED**

SCR-573		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.			STATUS:	STANDARD 20 Nov 43	INSTRUCTIONAL LITERATURE:
<p style="text-align: center;">PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>FREQUENCY RANGE: (MO) 100-156</p> <p>NUMBER OF CRYSTALS: 2 IN USE (FULL XTAL COMPLEMENT TO BE DETERMINED BY AAF).</p> <p>PRESET FREQUENCIES: 2</p> <p>ANTENNA: VERTICAL DIPOLE MOUNTED ON 76' MAST.</p> <p>TUNING: (MO OR XTAL) XTAL</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: POWER UNIT PE-99 (7½ KVA 110V 60 CYCLE 3 PHASE); ALSO HAS PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE.</p> <p>SIMILAR SETS: TRANS. STATION OF SCR-567.</p> <p>POWER OUTPUT: (WATTS) 50</p> <p>TUBES: (TYPE AND NUMBER) 2-BC640 TRANS: 16-5Z3; 8-6X5; 6-1613; 4-811; 2-807; 1C-HK-248; 1-RCA #155 OSCILLOSCOPE; 2-606; 2-80; 1-884; 1-3AP1/906-PI. 1-RCA #165 VOLTOMMVT; 2-6K6GT; 1-6X5GT.</p>		<p style="text-align: center;">PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>USE: TWO CHANNEL TRANS. STATION FOR THE GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATION. PART OF CONTROL NET SYSTEM SCS-3.</p> <p>RANGE: (MILES) MINIMUM OF 135 MILES WITH AIRCRAFT AT 10,000 FT.</p> <p>TO COMMUNICATE WITH: CONTROL SET SCR-572, RADIO SETS SCR-574, 575 AND AIRCRAFT EQUIPPED WITH RADIO SET SCR-522.</p> <p>TO REPLACE IN PART:</p> <p>TRANSPORTATION: 1 TRUCK K-53 ONE-TON CARGO TRAILER.</p> <p>TYPE OF SIGNAL: TRANSMITS VOICE AND MCW.</p>			 <p style="text-align: center;">RADIO SET SCR-573 (RADIO TRANSMITTING STATION) PART OF NET CONTROL SYSTEM SCS-3, SHOWING TRAILER K-63 ATTACHED TO TRUCK K-53, PREPARED FOR TRAVELLING.</p>			
<p style="text-align: center;">PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)</p>								
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION			
	HEIGHT	WIDTH	DEPTH					
1 TRUCK K-53	130"	96"	256"	13,385	RESTRICTED			
1 TRAILER K-63 (POWER)	72	72	144	2,600	RESTRICTED			
2 TRANS. BC-640 EACH	72	21	20	515	RESTRICTED			
1 CONTROL UNIT RM-27	11 3/8	19	10 1/2	29	RESTRICTED			
1 ANTENNA AN-86	PACKED IN 5 PACKAGES APPROX.			743	RESTRICTED			
2 ANTENNA EQUIP. RC-81 EACH	12	28	38	4	RESTRICTED			
COMBINED WEIGHT OF COMPONENTS:				17,500#	APPROX.			
COMBINED VOLUME:				2,275	CU. FT. APPROX.			
SHIP TONNAGE:				8 3/4 T	APPROX.			
						 <p style="text-align: center;">RADIO SET SCR-573. INTERIOR VIEW SHOWING RADIO TRANSMITTERS BC-640 AND CONTROL UNIT RM-27.</p> <p style="text-align: center;">RADIO SET SCR-573 (RADIO TRANSMITTING STATION) IS SIMILAR IN OPERATION TO RADIO SET SCR-562, EXCEPT THAT IT CONTAINS TWO TRANSMITTERS BC-640 INSTEAD OF A TOTAL OF SIX.</p>		


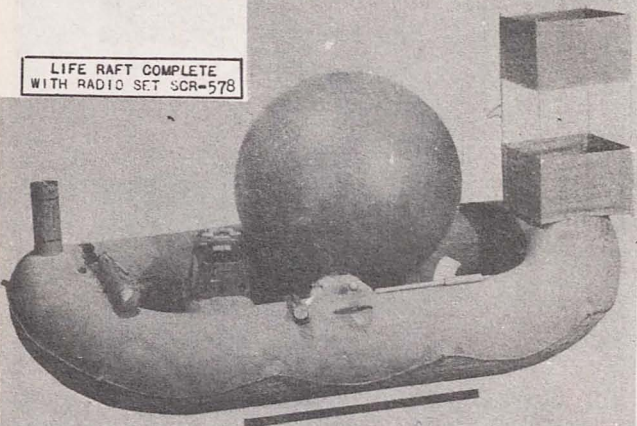
INSTRUCTIONAL LITERATURE:	STATUS:	STANDARD 20 Nov 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-574																																																																																	
CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																																																																				
 <p data-bbox="451 689 656 725">RADIO RECEIVER BC-639 REAR VIEW OF CHASSIS.</p>		<p data-bbox="895 343 1181 358">FREQUENCY RANGE: (Mo) 100-156</p> <p data-bbox="895 371 1365 401">NUMBER OF CRYSTALS: 2 IN USE (FULL COMPLEMENT TO BE DETERMINED BY AAF).</p> <p data-bbox="895 409 1365 440">PRESET FREQUENCIES: VARIABLE (DIAL SETTING CHECKED WITH CRYSTAL CONTROLLED FREQUENCY METER.)</p> <p data-bbox="895 448 1365 478">ANTENNA: VERTICAL DIPOLE MOUNTED ON 76' MAST.</p> <p data-bbox="895 486 1365 517">TUNING: (MO OR XTAL)</p> <p data-bbox="895 525 1365 555">SENSITIVITY: 2-3MV/METER AT 50 MW SIGNAL RATIO 10 TO 1.</p> <p data-bbox="895 563 1365 594">SELECTIVITY: 2 TIMES DOWN LESS 100 Kc. 1000 TIMES DOWN MORE 350 Kc.</p> <p data-bbox="895 602 1365 632">POWER SOURCE: POWER UNIT PE-99 (7½ KVA 110V 3 PHASE 60 CYCLE); ALSO HAS PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE.</p> <p data-bbox="895 640 1365 671">SIMILAR SETS: RECEIVER STATION OF SCR-567</p> <p data-bbox="895 679 1365 709">POWER OUTPUT: (WATTS) RECEIVER BC-639 1 WATT (DISTORTED) ½ W (10% DISTORTION).</p> <p data-bbox="895 717 1365 748">TUBES: (TYPE AND NUMBER) BC-638; 1-6SK7; 1-9002; 2-9003; 1-5V4G; 1-6L5G; 1-6E5. BC-639; 1-9002; 3-9003; 1-6SQ7; 1-6K6GT; 4-6SG7. BC-686; 3-25L6. RA-42; 1-5V4G.</p>				<p data-bbox="1453 286 1800 332">PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p data-bbox="1402 343 1862 389">USE: TWO CHANNEL RECEIVER STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCS-3.</p> <p data-bbox="1402 509 1872 540">RANGE: (MILES) MINIMUM OF 135 MILES WITH AIRCRAFT AT 10,000 FT.</p> <p data-bbox="1402 548 1862 609">TO COMMUNICATE WITH: CONTROL SET SCR-572 RADIO SET SCR-573 AND AIRCRAFT EQUIPPED WITH SCR-522.</p> <p data-bbox="1402 617 1575 632">TO REPLACE IN PART:</p> <p data-bbox="1402 640 1862 671">TRANSPORTATION: 1 TRUCK K-53, 1 ONE-TON CARGO TRAILER.</p> <p data-bbox="1402 679 1862 709">TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED AND C. W.</p>																																																																																
 <p data-bbox="277 1094 768 1133">RADIO SET SCR-574. PART OF NET CONTROL SYSTEM SCS-3. VIEW SHOWING REMOVABLE EQUIPMENT CARRIED IN VEHICLE.</p>		<p data-bbox="1208 771 1514 810">PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)</p> <table border="1" data-bbox="866 810 1884 1167"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>1 TRUCK K-53</td> <td>130"</td> <td>96"</td> <td>256"</td> <td>13,385</td> <td>RESTRICTED</td> </tr> <tr> <td>1 TRAILER K-63 (POWER)</td> <td></td> <td></td> <td></td> <td>2,860</td> <td>RESTRICTED</td> </tr> <tr> <td>2 RECEIVERS BC-639 EACH</td> <td>10 1/2</td> <td>19</td> <td>13 1/2</td> <td>36</td> <td>RESTRICTED</td> </tr> <tr> <td>2 RECTIFIERS RA-42 EACH</td> <td>7</td> <td>19</td> <td>8 1/2</td> <td>26</td> <td>RESTRICTED</td> </tr> <tr> <td>1 FREQUENCY METER BC-638</td> <td>11 1/2</td> <td>19</td> <td>7</td> <td>35</td> <td>RESTRICTED</td> </tr> <tr> <td>2 CONTROL UNITS RM-18 EACH</td> <td>5</td> <td>19</td> <td>8 3/4</td> <td>16</td> <td>RESTRICTED</td> </tr> <tr> <td>2 AMPLIFIER BC-686 EACH</td> <td>12</td> <td>19</td> <td>11</td> <td>36</td> <td>RESTRICTED</td> </tr> <tr> <td>1 FUSE PANEL PN-15</td> <td>5</td> <td>19</td> <td>5</td> <td>24</td> <td>RESTRICTED</td> </tr> <tr> <td>1 FUSE PANEL PN-5</td> <td>2 1/2</td> <td>19</td> <td>4 5/8</td> <td>15</td> <td>RESTRICTED</td> </tr> <tr> <td>2 FRAMES FM-39 EACH</td> <td>72</td> <td>20</td> <td>3</td> <td>121</td> <td>RESTRICTED</td> </tr> <tr> <td>1 ANTENNA AN-86</td> <td>PACKED IN 5 25 CU.FT.</td> <td>PACKAGES</td> <td>APPROX.</td> <td>743</td> <td>RESTRICTED</td> </tr> <tr> <td>2 ANTENNA EQUIPMENT RC-81</td> <td>12</td> <td>28 1/2</td> <td>38 1/2</td> <td>4</td> <td>RESTRICTED</td> </tr> </tbody> </table>				ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	1 TRUCK K-53	130"	96"	256"	13,385	RESTRICTED	1 TRAILER K-63 (POWER)				2,860	RESTRICTED	2 RECEIVERS BC-639 EACH	10 1/2	19	13 1/2	36	RESTRICTED	2 RECTIFIERS RA-42 EACH	7	19	8 1/2	26	RESTRICTED	1 FREQUENCY METER BC-638	11 1/2	19	7	35	RESTRICTED	2 CONTROL UNITS RM-18 EACH	5	19	8 3/4	16	RESTRICTED	2 AMPLIFIER BC-686 EACH	12	19	11	36	RESTRICTED	1 FUSE PANEL PN-15	5	19	5	24	RESTRICTED	1 FUSE PANEL PN-5	2 1/2	19	4 5/8	15	RESTRICTED	2 FRAMES FM-39 EACH	72	20	3	121	RESTRICTED	1 ANTENNA AN-86	PACKED IN 5 25 CU.FT.	PACKAGES	APPROX.	743	RESTRICTED	2 ANTENNA EQUIPMENT RC-81	12	28 1/2	38 1/2	4	RESTRICTED
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COMBINED WEIGHT OF COMPONENTS:				16,500# APPROX.																																																																																		
COMBINED VOLUME:				2,275 CU. FT. APPROX.																																																																																		
SHIP TONNAGE:				8 1/4 T APPROX.																																																																																		

SCR-575		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	STATUS:	INSTRUCTIONAL LITERATURE:
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 100-156 NUMBER OF CRYSTALS: 4 IN BC-624; 4 IN BC-625; 5 IN BC-638. PRESET FREQUENCIES: 4 EACH RECEIVING AND TRANSMITTING. ANTENNA: ROTATABLE ADDOCK D/F WITH SENSE FACILITIES. TUNING: (MO OR XTAL) XTAL ON COMMUNICATIONS R&T. VARIABLE ON D/F RECEIVER. SENSITIVITY: 2-3 MICROVOLTS/METER SELECTIVITY: 2 TIMES DOWN LESS THAN 100 Kc. 1000 TIMES DOWN MORE THAN 350 Kc. POWER SOURCE: POWER UNIT PE-99 AND STORAGE BATTERIES; ALSO OPERATES FROM COMMERCIAL POWER 110V. 2 WIRE. SIMILAR SETS: SCR-566 AND SCR-645 (FIXED). POWER OUTPUT: (WATTS) COMMUNICATIONS TRANSMITTERS 6 WATTS MINIMUM. TUBES: (TYPE AND NUMBER) BC-639; 1-6SQ7; 1-6K6GT; 1-9002; 3-9003; 4-6SG7. RA-42; 1-5V4G. BC-638; 1-9002; 2-9003; 1-5V4G; 1-6L5G; 1-6SK7; 1-6E5. BC-624; 1-9002; 3-9003; 1-12J5GT; 1-12C8; 1-12AH7GT; 3-12SG7. BC-625; 2-832; 3-12A6; 1-6G6G; 2-6SS7. BC-687; 4-25L6GT. RC-93; 1-958; 1-1A5GT.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: MOBILE DIRECTION FINDING STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCS-3. USED AS D/F STATION FOR OBTAINING BEARING ON AIRCRAFT EQUIPPED WITH RADIO SET SCR-522 FOR PURPOSES OF HOMING AND D/F PLOTTING. RANGE: (MILES) MINIMUM OF 135 MILES WITH AIRCRAFT AT 10,000 FT. TO COMMUNICATE WITH: FIGHTER AIRCRAFT EQUIPPED WITH SCR-522. TO REPLACE IN PART: NONE TRANSPORTATION: 1 TRUCK K-53, 1 TRAILER K-63 (POWER) TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED AND C.W. TRANSMITS VOICE MODULATION.		 <p>PANEL OF RADIO RECEIVER BC-639, PART OF RADIO SET SCR-575.</p>	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)					
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
1 TRUCK K-53	130"	96"	256"	13,305#	RESTRICTED
1 TRAILER K-63 (POWER)	72	72	144	2,860#	RESTRICTED
2 RECEIVERS BC-639 EACH	10 1/2	19	13 1/2	36#	RESTRICTED
2 RECTIFIERS RA-42 EACH	7	19	8 1/2	26#	RESTRICTED
1 FREQUENCY METER BC-638	11 1/2	19	7	35#	RESTRICTED
1 RECEIVER BC-624	6	15 1/2	9	14#	RESTRICTED
1 TRANSMITTER BC-625	6	15 1/2	9	16#	RESTRICTED
1 ANTENNA EQUIPMENT RC-153				150#	RESTRICTED
1 OSCILLATOR TEST EQUIPMENT RC-93	10 1/2	9	6 3/4	12#	RESTRICTED
1 DYNAMOTOR UNIT PE-94	7	13	9	36#	RESTRICTED
1 FUSE PANEL PN-15	5	19	5	24#	RESTRICTED
1 FUSE PANEL PN-5	2 1/2	19	4 5/8	15#	RESTRICTED
1 DYNAMOTOR UNIT PE-100	6	19	10 1/2	23#	RESTRICTED
1 CONTROL UNIT RM-1E	5	19	8 3/4	16#	RESTRICTED
1 CONTROL PANEL PN-25	6 1/4	19	7	16#	RESTRICTED
1 RELAY UNIT BC-687	9	19	12 1/2	40#	RESTRICTED
COMBINED WEIGHT OF COMPONENTS:				16,500#	APPROX.
COMBINED VOLUME OF COMPONENTS:				2,272 CU.	FT. APPROX.
SHIP TONNAGE:				8 1/4 T	APPROX.

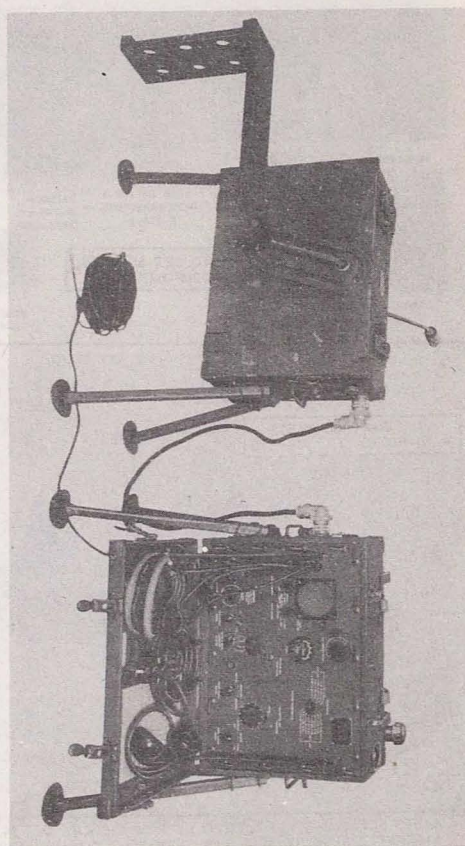
THE COMPONENTS OF RADIO SET SCR-575 INCLUDE 2 RECEIVERS, BC-639, FOR D/F PURPOSES; 1 RECEIVER, BC-624, AND 1 TRANSMITTER BC-625, FOR COMMUNICATIONS. ALL SETS USE THE ONE D/F ANTENNA WITH AUTOMATIC ANTENNA SWITCHING.



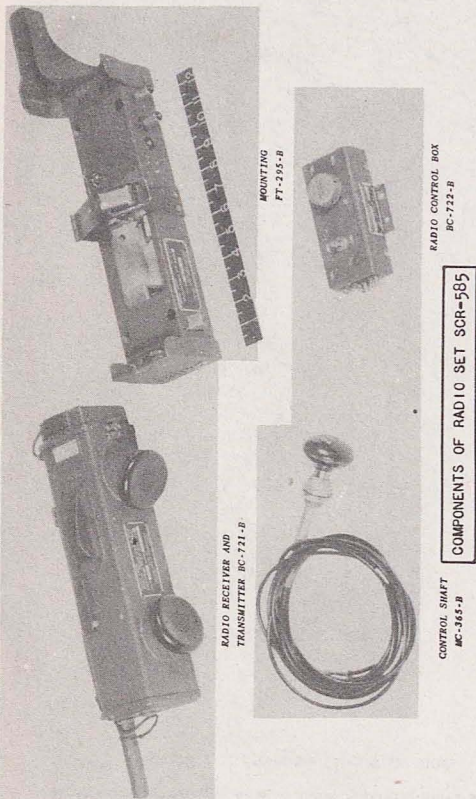
RADIO SET SCR-575 (RADIO DIRECTION FINDING STATION) ANTENNA EQUIPMENT RC-153 RAISED IN POSITION.

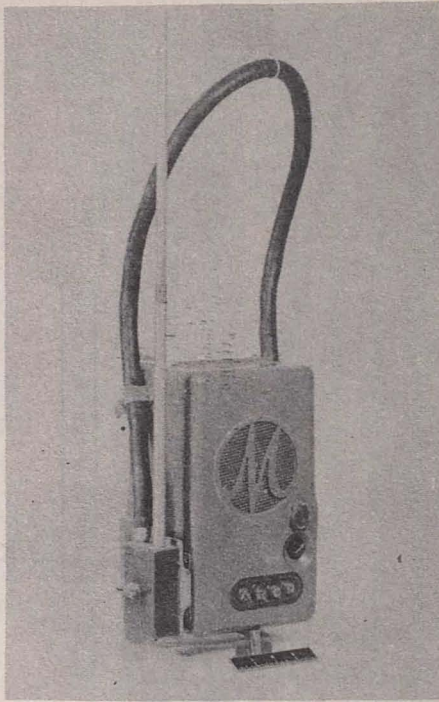
INSTRUCTIONAL LITERATURE: AN 08-10-94	STATUS: CHANGE IN STATUS:	STANDARD 1 FEB 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-578																																																																											
 <p>GENERATOR M-315-A (HYDROGEN) BAG BG-110-A BAG BG-109-A WITH PARACHUTE M-276-A BALLOON M-278-A (INFLATED) KITE M-277-A (ASSEMBLED)</p> <p>RADIO SET SCR-578, COMPONENTS.</p> <p>RADIO TRANSMITTER BC-778-C SIGNAL LAMP M-308-B</p>			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) INTERNATIONAL DISTRESS FREQUENCY .500 MODULATED AT 1000 OPS. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: PRETUNED TO .500 Mc. ANTENNA: 300 FT. ANTENNA WIRE W-148, WOUND ON REEL RL-48 AND RAISED BY BALLOON M-278-A OR KITE M-277-A. TUNING: (MO OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: BUILT-IN GENERATOR, OPERATED BY HAND CRANK GC-18-A. SIMILAR SETS: CAPTURED GERMAN "NOT-SENDER". POWER OUTPUT: (WATTS) 4.8 TUBES: (TYPE AND NUMBER) 1 - BC 778-B TRANS: 1 - 12-A-6 1 - 12-SC-7	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: PORTABLE TRANSMITTER USED IN RUBBER DINGHIES FOR SEA-RESCUE PURPOSES. SHAPED TO FIT BETWEEN THE KNEES OF AN OPERATOR. IT IS WATERTIGHT AND WILL FLOAT. RANGE: (MILES) 200 (TO AIRCRAFT AT 2000 FT). TO COMMUNICATE WITH: SCR-187, SCR-287, RADIO COMPASS SCR-269. TO REPLACE IN PART: TRANSPORTATION: AIRCRAFT (PORTABLE TRANS. USED FOR SEA-RESCUE). TYPE OF SIGNAL: MCW (1000 OPS) AUTOMATIC S.O.S. AND MANUAL KEYING ON FIXED DISTRESS FREQUENCY .500 Mcs.																																																																											
 <p>LIFE RAFT COMPLETE WITH RADIO SET SCR-578</p>			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:) <table border="1" data-bbox="860 808 1866 1167"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>2 ROLLS - 300 FT. EA ANTENNA WIRE W-148</td> <td>---</td> <td>---</td> <td>---</td> <td>1.1</td> <td></td> </tr> <tr> <td>1 BAG - HOUSING FOR ACCESSORIES BG-109</td> <td>39 1/2"</td> <td>X 7" DIA.</td> <td></td> <td>3.2</td> <td></td> </tr> <tr> <td>1 BAG - HOUSING FOR TRANSMITTER BG-110</td> <td>---</td> <td>---</td> <td>---</td> <td>1.4</td> <td></td> </tr> <tr> <td>2 BALLOONS M-276</td> <td>---</td> <td>---</td> <td>---</td> <td>2.4</td> <td></td> </tr> <tr> <td>1 HAND CRANK GC-18</td> <td>---</td> <td>---</td> <td>---</td> <td>.45</td> <td></td> </tr> <tr> <td>2 GENERATORS M-315 (HYDROGEN)</td> <td>---</td> <td>---</td> <td>---</td> <td>5.92</td> <td></td> </tr> <tr> <td>2 BALLOON INFLATING TUBES</td> <td>---</td> <td>---</td> <td>---</td> <td>1.6</td> <td></td> </tr> <tr> <td>1 KITE M-277</td> <td>---</td> <td>---</td> <td>---</td> <td>1.45</td> <td></td> </tr> <tr> <td>1 RADIO TRANSMITTER BC-778</td> <td>10 1/2"</td> <td>9 1/2"</td> <td>9"</td> <td>15.1</td> <td></td> </tr> <tr> <td>1 SIGNAL LAMP M-308</td> <td>---</td> <td>---</td> <td>---</td> <td>.2</td> <td></td> </tr> <tr> <td>1 PARACHUTE M-276</td> <td>---</td> <td>---</td> <td>---</td> <td>1.0</td> <td></td> </tr> </tbody> </table>		ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	2 ROLLS - 300 FT. EA ANTENNA WIRE W-148	---	---	---	1.1		1 BAG - HOUSING FOR ACCESSORIES BG-109	39 1/2"	X 7" DIA.		3.2		1 BAG - HOUSING FOR TRANSMITTER BG-110	---	---	---	1.4		2 BALLOONS M-276	---	---	---	2.4		1 HAND CRANK GC-18	---	---	---	.45		2 GENERATORS M-315 (HYDROGEN)	---	---	---	5.92		2 BALLOON INFLATING TUBES	---	---	---	1.6		1 KITE M-277	---	---	---	1.45		1 RADIO TRANSMITTER BC-778	10 1/2"	9 1/2"	9"	15.1		1 SIGNAL LAMP M-308	---	---	---	.2		1 PARACHUTE M-276	---	---	---	1.0	
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RADIO SET SCR-578, CARRIED BY BOMBARDMENT AND RECONNAISSANCE AIRCRAFT, ALSO BY SOME AIR TRANSPORT COMMAND AIRCRAFT, OVER-WATER FLIGHTS.			COMBINED WEIGHT OF COMPONENTS: 35# APPROX. COMBINED VOLUME: 3 TO 4 CU. FT. APPROX. SHIP TONNAGE:																																																																												

SCR-583		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 6 FEB 43	INSTRUCTIONAL LITERATURE:	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 2.2 - 4.6 NUMBER OF CRYSTALS: 4 PRESET FREQUENCIES: 4 ANTENNA: "FISHPOLE" MOVING 6', STATIONARY 20'. TUNING: (MO OR XTAL) BOTH SENSITIVITY: SELECTIVITY: POWER SOURCE: DRY BATTERY FOR RECVR. AND HAND GENERATOR FOR TRANS., OR VEHICLE BATTERY, 6 OR 12 V. FOR TRANSMITTER AND RECEIVER. SIMILAR SETS: POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 4 1T4 1 RECVR. - 1 1R5 1 TRANS. - 1 HY65 1 1S5 1 TS-70 1 VR-90-30 4 1T4 1 1S4			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: CAV: MTZD, MECZ, & HORSE RON UNITS. RANGE: (MILES) 35 MILES ON LOW POWER CW, MAXIMUM 60 MILES ON HIGH POWER CW. TO COMMUNICATE WITH: TO REPLACE IN PART: SCR-203 TRANSPORTATION: HORSE PACK OR VEHICLE. TYPE OF SIGNAL: CW; VOICE (AM)		CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)								
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION			
	HEIGHT	WIDTH	DEPTH					
RADIO RECVR. & TRANS. BC-1209					UNCLASSIFIED			
POWER UNIT PE-152								
POWER CONVERTER UNIT PE-154								
GENERATOR GN-54								
COMBINED WEIGHT OF COMPONENTS:				120#				
COMBINED VOLUME:				24 CU. FT.				
SHIP TONNAGE:								




RADIO SET SCR-583 - PREPARED FOR FIELD OPERATION
TO PROVIDE FOR CW OPERATION ON LOW AND HIGH POWER, AND VOICE OPERATION ON LOW POWER ONLY.

INSTRUCTIONAL LITERATURE: (HMI) 08-10-123 (ON SCR-585-A)	STATUS:	LIMITED STANDARD 2 Dec 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:																																																						
		CHANGE IN STATUS:			SCR-585																																																					
 <p style="text-align: center;">COMPONENTS OF RADIO SET SCR-585</p>			<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (Mo) 3.5 - 6 (RECEPTION & TRANSMISSION) SEE REMARKS.</p> <p>NUMBER OF CRYSTALS: 2</p> <p>PRESET FREQUENCIES: 1 EA. TRANSMITTING & RECEIVING</p> <p>ANTENNA: TELESCOPIIC ANTENNA 39" LONG.</p> <p>TUNING: (MO OR XTAL) CRYSTAL</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: SELF CONTAINED - "A" BATTERY BA-37 (1.5 V), "B" BATTERY BA-38 (103.5 V).</p> <p>SIMILAR SETS: SCR-536</p> <p>POWER OUTPUT: (WATTS)</p> <p>TUBES: (TYPE AND NUMBER)</p> <p style="margin-left: 40px;">1 - BC - 721-A: 2 - 1R5 1 - 1T4 2 - 3SL4</p>																																																							
			<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: DUAL PURPOSE RADIO RECEIVER AND TRANSMITTER, DESIGNED FOR TWO-WAY CONVERSATION. TO BE USED IN TOWED GLIDERS THEN TO BE REMOVED AND USED FOR GROUND COMMUNICATION.</p> <p>RANGE: (MILES) 100 FT TO 1 MILE.</p> <p>TO COMMUNICATE WITH: OTHER RADIO SETS SCR-585.</p> <p>TO REPLACE IN PART:</p> <p>TRANSPORTATION: ORIGINALLY FOR GLIDER-TOW PLANE INTERCOMMUNICATION (INSTALLED)</p> <p>TYPE OF SIGNAL: VOICE AND TONE MODULATED RECEPTION VOICE MODULATED TRANSMISSION.</p>																																																							
<p>EACH UNIT IS ADJUSTED TO OPERATE ON ONLY ONE FREQUENCY AT A TIME. RECEPTION AND TRANSMISSION ARE ON THE SAME FREQUENCY. RADIO SET SCR-585 BEING REPLACED BY INTERPHONE COMMUNICATION SIMILAR TO TYPES USED BY THE BRITISH.</p>			<p>PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)</p>																																																							
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO RECEIVER AND TRANSMITTER BC-721-B</td> <td>6</td> <td>5 1/2</td> <td>17 1/16</td> <td>6.0</td> <td></td> </tr> <tr> <td>RADIO CONTROL BOX BC-722-B</td> <td>1 13/16</td> <td>5 7/8</td> <td>3 1/4</td> <td>.87</td> <td></td> </tr> <tr> <td>CONTROL SHAFT MC-355-B</td> <td>---</td> <td>---</td> <td>---</td> <td>.5</td> <td></td> </tr> <tr> <td>MOUNTING FT-295-B</td> <td>---</td> <td>---</td> <td>---</td> <td>3.3</td> <td></td> </tr> <tr> <td colspan="5">NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLE AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.</td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>11 1/2#</td> <td>APPROX.</td> </tr> <tr> <td colspan="4">COMBINED VOLUME:</td> <td>2 CU.FT.</td> <td>APPROX.</td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td></td> <td></td> </tr> </tbody> </table>		ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO RECEIVER AND TRANSMITTER BC-721-B	6	5 1/2	17 1/16	6.0		RADIO CONTROL BOX BC-722-B	1 13/16	5 7/8	3 1/4	.87		CONTROL SHAFT MC-355-B	---	---	---	.5		MOUNTING FT-295-B	---	---	---	3.3		NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLE AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.						COMBINED WEIGHT OF COMPONENTS:				11 1/2#	APPROX.	COMBINED VOLUME:				2 CU.FT.	APPROX.	SHIP TONNAGE:		
ITEM	DIMENSIONS			WEIGHT		CLASSIFICATION																																																				
	HEIGHT	WIDTH	DEPTH																																																							
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COMBINED VOLUME:				2 CU.FT.	APPROX.																																																					
SHIP TONNAGE:																																																										

SCR-593	NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	STATUS:	STANDARD		INSTRUCTIONAL LITERATURE: TM 11-859
			CHANGE IN STATUS:	19 FEB 44		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)				
FREQUENCY RANGE: (Mc) 2.0 - 6.0 (RECEIVER ONLY) NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: 4 (SELECTED BY PUSH BUTTON) ANTENNA: VERTICAL ROD. AN-75-A. TUNING: (MO OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: SELF-CONTAINED, SIMILAR TO GE PORTABLE RECEIVER MODEL LB-530 BB-54-A VIBRATOR VB-8 & VB-9. SIMILAR SETS: NONE POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 1 BC-728-A - <ul style="list-style-type: none"> 1 1R5 1 1S5 3 1T4 2 3S4 		USE: ENRS: MTZD, MTN & COMBAT UNITS; CAC: AA, & BAR BLN UNITS. RANGE: (MILES) TO RECEIVE SIGNALS FROM SCR-543 UP TO 20 MILES. TO COMMUNICATE WITH: SCR-543; (SCR-593 RECEIVER ONLY) TO REPLACE IN PART: NONE TRANSPORTATION: CARRIED BY ONE MAN. TO BE OPERATED ON GROUND OR IN VEHICLE. TYPE OF SIGNAL: VOICE (AM)				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)						
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	
	HEIGHT	WIDTH	DEPTH			
RECEIVER, BC-728	11 9/16"	8 3/8"	5 5/8"	15#		
COMBINED WEIGHT OF COMPONENTS:						
COMBINED VOLUME:						
SHIP TONNAGE:						

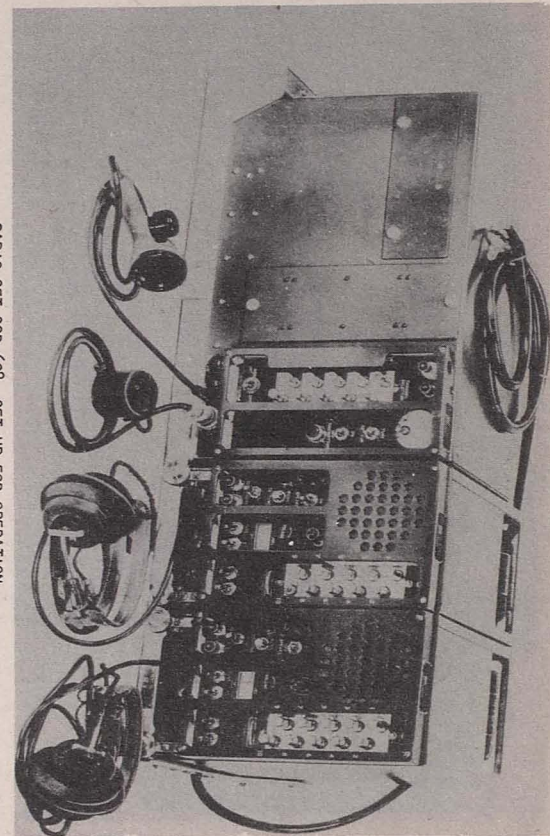
RADIO SET SCR-593 PREPARED FOR OPERATION

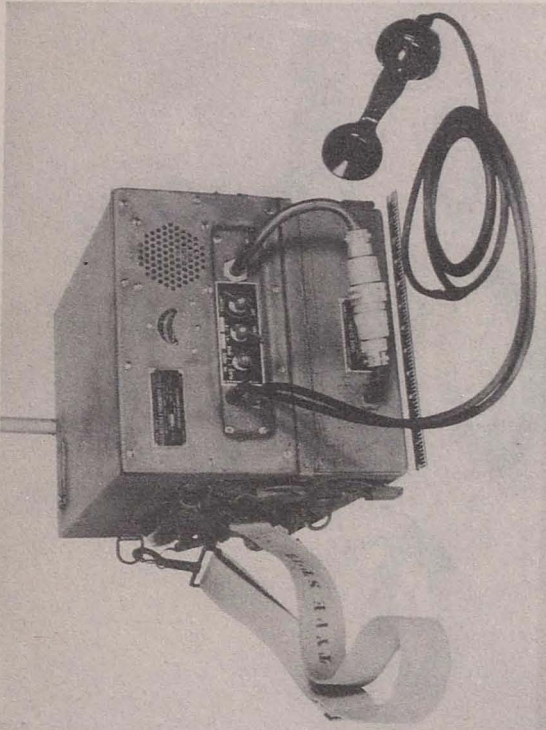
PORTABLE RADIO RECEIVER. ALERT OR WARNING SIGNALS. ACCESSORIES SELF-CONTAINED.

INSTRUCTIONAL LITERATURE:	STATUS:	SUBSTITUTE STANDARD 27 MAY 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:																									
	CHANGE IN STATUS:			SCR-607																									
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">FRONT VIEW OF RADIO RECEIVER BC-787, PART OF RADIO SET SCR-607. RADIO SET SCR-607 IS A MODIFIED COMMERCIAL HALLICRAFTERS MODEL S-27 OR S-36 RADIO RECEIVER.</p>	PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)																										
	FREQUENCY RANGE: (Mc) 27-- 145. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: 3 TIERS, HORIZONTAL DIAPHOLES (1 FOR EACH OF THE 3 BANDS OF RECEIVER) MOUNTED ON 21- $\frac{1}{2}$ ' MAST. TUNING: (MO OR XTAL) DOES NOT APPLY SENSITIVITY: SELECTIVITY: POWER SOURCE: 110V A.C. SIMILAR SETS: NONE POWER OUTPUT: (WATTS) DOES NOT APPLY TUBES: (TYPE AND NUMBER) <table style="margin-left: 20px;"> <tr><td>2</td><td>VT-90</td><td>1</td><td>VT-121</td></tr> <tr><td>1</td><td>VT-94</td><td>1</td><td>VT-139</td></tr> <tr><td>2</td><td>VT-107</td><td>1</td><td>VT-145</td></tr> <tr><td>2</td><td>VT-112</td><td>1</td><td>VT-163</td></tr> <tr><td>1</td><td>VT-117</td><td>1</td><td>VT-176</td></tr> <tr><td>1</td><td>VT-120</td><td>1</td><td>VT-238</td></tr> </table>		2	VT-90	1	VT-121	1	VT-94	1	VT-139	2	VT-107	1	VT-145	2	VT-112	1	VT-163	1	VT-117	1	VT-176	1	VT-120	1	VT-238	USE: AN INTERCEPT RECEIVER FOR MONITORING PURPOSES. RANGE: DOES NOT APPLY TO COMMUNICATE WITH: DOES NOT APPLY TO REPLACE IN PART: NONE TRANSPORTATION: ANY AVAILABLE VEHICLE. TYPE OF SIGNAL: RECEIVES AM AND FM.		
	2	VT-90	1	VT-121																									
1	VT-94	1	VT-139																										
2	VT-107	1	VT-145																										
2	VT-112	1	VT-163																										
1	VT-117	1	VT-176																										
1	VT-120	1	VT-238																										
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)																													
		DIMENSIONS																											
ITEM	HEIGHT	WIDTH	DEPTH	WEIGHT	CLASSIFICATION																								
RECEIVER BC-787	9 3/8"	19"	14"	63#																									
ANTENNA RC-154	360	-----	-----	200#																									
COMBINED WEIGHT OF COMPONENTS:																													
COMBINED VOLUME OF COMPONENTS:																													
SHIP TONNAGE:																													

SCR-608		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 29 SEP 41	INSTRUCTIONAL LITERATURE: TM 11-620		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mo) 27.0 - 38.9 NUMBER OF CRYSTALS: 120 PRESET FREQUENCIES: 10 (PUSH-BUTTON SELECTION) ANTENNA: FISHPOLE TYPE. TUNING: (MO OR XTAL) CRYSTAL. SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 OR 24 V. VEHICLE BATTERY WITH DYNAMOTORS. SIMILAR SETS: SCR-508. (EXCEPT FREQUENCY BAND) POWER OUTPUT: (WATTS) 35 TUBES: (TYPE AND NUMBER) BC-683-(A) RECVR: 3 TYPE 6 AC-7; 1 TYPE 6J5; 2 TYPE 12 SG7; 1 TYPE 6H6; 1 TYPE 6V6GT; 2 TYPE 6 SL7GT. BC-684-(A) TRANS: 7 TYPE 1619; 1 TYPE 1624.			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: USED BY FIELD ARTILLERY, SIGNAL CORPS. RANGE: (MILES) 10 TO 15 VOICE. TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610; SCR-628. TO REPLACE IN PART: SCR-161; SCR-284; SCR-194; SCR-288 TRANSPORTATION: VEHICLES. TYPE OF SIGNAL: FM; VOICE ONLY.		CHANGE IN STATUS:				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)									
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION				
	HEIGHT	WIDTH	DEPTH						
1 RADIO TRANS. BC-684				67#					
2 RADIO RECVR. BC-683				70#(35#EA.)					
1 MOUNTING FT-237				44#					
1 REMOTE CONTROL UNIT RM-29				15#					
COMBINED WEIGHT OF COMPONENTS:				306#					
COMBINED VOLUME:									
SHIP TONNAGE:									

RADIO SET SCR-608 SET UP FOR OPERATION
 VEHICULAR SET FOR OPERATION BY NON RADIO SPECIALIST. INCLUDES TEN CHANNELS OF RADIO SET SCR-508 TO PERMIT COMMUNICATION WITH THE ARMORED FORCE. REMOTE CONTROL.



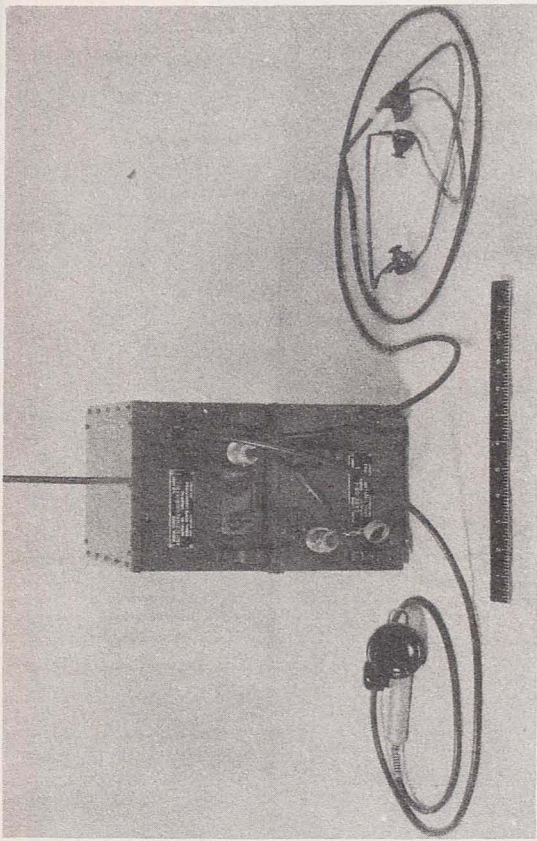
INSTRUCTIONAL LITERATURE: TM 11-615-A	STATUS:	STANDARD 29 SEP 41	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:		SCR-609	
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)			
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">RADIO SET SCR-609. SET UP FOR FIELD OPERATION</p> <p>RADIO SET SCR-609 IS A PORTABLE SET CAPABLE OF BEING CARRIED IN ANY VEHICLE OF THE FIELD ARTILLERY. RADIO SETS SCR-609 AND SCR-610 ARE THE SAME EXCEPT FOR POWER SUPPLY. RADIO SET SCR-609 USES BATTERIES. RADIO SET SCR-610 IS EQUIPPED WITH A POWER SUPPLY TO OPERATE FROM VEHICULAR BATTERY AS WELL AS SELF-CONTAINED BATTERY SUPPLY IN CASE CS-79.</p>	<p>FREQUENCY RANGE: (Mo) 27.0 - 38.9</p> <p>NUMBER OF CRYSTALS: 120</p> <p>PRESET FREQUENCIES: 2</p> <p>ANTENNA: FISHPOLE TYPE AN-29-C</p> <p>TUNING: (MO OR XTAL) XTAL</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: DRY BATTERIES; BA-39, 40, 41.</p> <p>SIMILAR SETS: SCR-610 EXCEPT FOR POWER SUPPLY.</p> <p>POWER OUTPUT: (WATTS) 2</p> <p>TUBES: (TYPE AND NUMBER) 1 BC-659-A -</p> <p> 5 1LN5</p> <p> 2 1291</p> <p> 4 1299</p> <p> 1 1LH4</p> <p> 1 1294</p> <p> 1 1LC6</p>		<p>USE: FA: SHORT RANGE RECONNAISSANCE, FIRE CONTROL & SIMILAR USES.</p> <p>RANGE: (MILES) 5</p> <p>TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610; SCR-628.</p> <p>TO REPLACE IN PART: SCR-161; SCR-194; SCR-284; SCR-288.</p> <p>TRANSPORTATION: VEHICLE, OR MAN PACK.</p> <p>TYPE OF SIGNAL: VOICE (FM)</p>				
	PRT C - PRINCIPAL COMPONENTS (CLASSIFICATION:)						
	ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH			
RECVR. & TRANS. BC-659							
CASE CS-79 (FOR BATTERIES)							
REMOTE CONTROL UNIT RM-29							
COMBINED WEIGHT OF COMPONENTS:					170#		
COMBINED VOLUME:					1.3 CU. FT.		
SHIP TONNAGE:							

(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

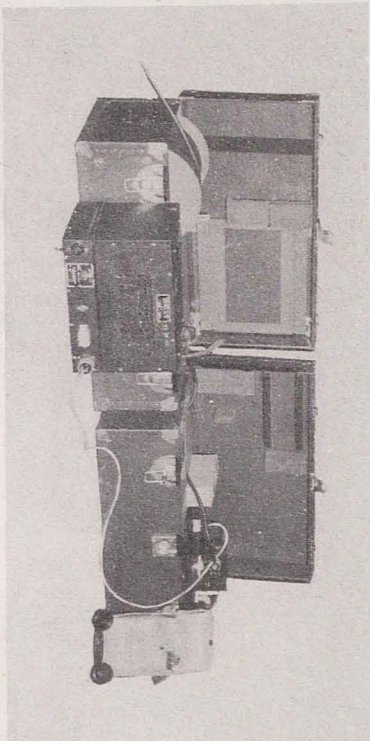
THIS SHEET IS CLASSIFIED: UNCLASSIFIED

SCR-610			NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD 29 SEP 41		INSTRUCTIONAL LITERATURE: TM 11-615-A			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MO) 27.0 - 38.9 NUMBER OF CRYSTALS: 120 PRESET FREQUENCIES: TWO PRE-SET XTAL CONTROLLED CHANNELS. ANTENNA: FISHPOLE TYPE. AN-29-C AND VEHICULAR WHIP. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: DRY BATTERIES; POWER UNIT PE-117 SIMILAR SETS: SCR-609 (EXCEPT FOR ADDED POWER PACK) POWER OUTPUT: (WATTS) 2 TUBES: (TYPE AND NUMBER) 1 BC-659 Uses: 5 1LN5; 2 1291; 4 1299; 1 1LH4; 1 1294; 1 1LC6. 1 PE-117 Uses: 1 VR-90-30; 1 CK1005.					PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: CWS: SMOKE GEN CO; FA: LIAISON OFFICERS FORWARD OBSERVERS, AND FOR INTRA-BATTERY AND INTRA-BN. COMMUNICATION. RANGE: (MILES) 5 TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610; SCR-628. TO REPLACE IN PART: SCR-161; SCR-194; SCR-284; SCR-288. TRANSPORTATION: TRANSPORTED & OPERATED IN VEHICLE OR CARRIED BY MAN ON FOOT. TYPE OF SIGNAL: VOICE (FM)					CHANGE IN STATUS:				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)														
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION								
		HEIGHT	WIDTH	DEPTH										
RECYR. & TRANS. BC-659														
PLATE SUPPLY UNIT PE-117														
MOUNTING FT-250														
REMOTE CONTROL UNIT RM-29														
CASE CS-79 (FOR BATTERIES).														
COMBINED WEIGHT OF COMPONENTS:					177#									
COMBINED VOLUME:					1.3 CU. FT.									
SHIP TONNAGE:														

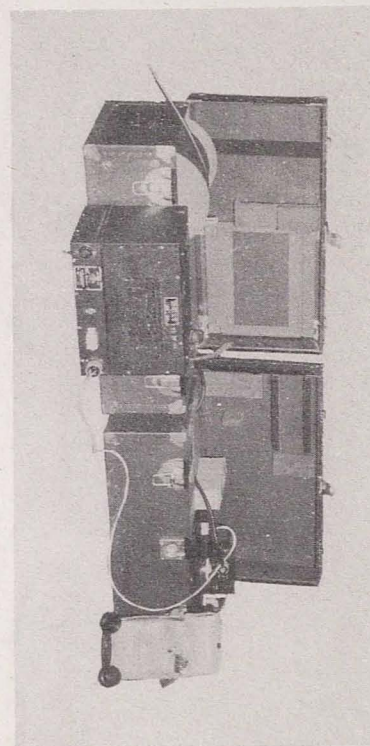
RADIO SET SCR-610 IS A PORTABLE SET, CAPABLE OF BEING CARRIED IN VEHICLE OF FIELD ARTILLERY, ALSO PORTABLE AS ONE-MAN LOAD. OPERATION DOES NOT REQUIRE RADIO SPECIALISTS. REMOTE CONTROLLED.

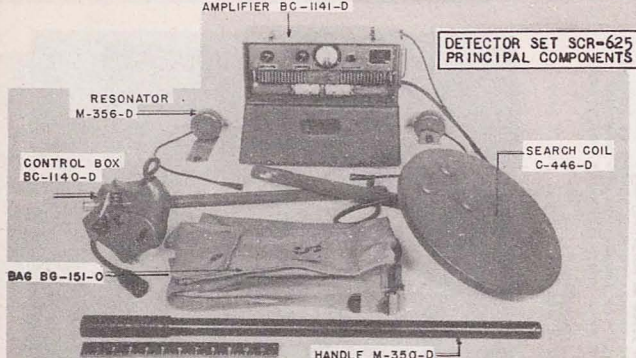

INSTRUCTIONAL LITERATURE:	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-619																																		
	CHANGE IN STATUS:		<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>FREQUENCY RANGE: (Mc) 27 - 38.9 NUMBER OF CRYSTALS: 22 PRESET FREQUENCIES: 2 ANTENNA: TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: SIMILAR SETS: SCR-609; SCR-610. POWER OUTPUT: (WATTS) 2 TUBES: (TYPE AND NUMBER) 6 1L4 1 1R5 3 1R5 3 3A5 1 1A3</p>	<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>USE: FIELD ARTILLERY.</p> <p>RANGE: (MILES) APPROX. 5 TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-628. TO REPLACE IN PART: SCR-609; SCR-610.</p> <p>TRANSPORTATION: MAN CARRIED, ANIMAL PACK, OR FIELD ARTILLERY VEHICLE. TYPE OF SIGNAL: VOICE, (FM)</p>																																		
 <p style="text-align: center;">RADIO SET SCR-619 SET UP FOR FIELD OPERATION</p> <p style="text-align: center;">RADIO SET SCR-619 IS CLASSIFIED AS REQUIRED TYPE; DEVELOPMENT TYPE; LIMITED PROCUREMENT TYPE, FOR PRODUCTION OF SERVICE TEST MODELS AFTER TEST OF EXPERIMENTAL LABORATORY MODEL SHOWN IN ILLUSTRATION.</p>			<p>PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)</p> <table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>(IN DEVELOPMENT STAGE - COMPONENTS NOT YET DEFINITELY DETERMINED)</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td>NOT TO EXCEED 25#</td> <td></td> </tr> <tr> <td>COMBINED VOLUME:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SHIP TONNAGE:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	(IN DEVELOPMENT STAGE - COMPONENTS NOT YET DEFINITELY DETERMINED)						COMBINED WEIGHT OF COMPONENTS:				NOT TO EXCEED 25#		COMBINED VOLUME:						SHIP TONNAGE:					
			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																														
				HEIGHT	WIDTH	DEPTH																																
			(IN DEVELOPMENT STAGE - COMPONENTS NOT YET DEFINITELY DETERMINED)																																			
			COMBINED WEIGHT OF COMPONENTS:				NOT TO EXCEED 25#																															
COMBINED VOLUME:																																						
SHIP TONNAGE:																																						

THIS SHEET IS CLASSIFIED: **RESTRICTED**

<h1>SCR-624</h1>		NOMENCLATURE DESIGNATION			NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.			STATUS:		STANDARD 31 MAR 43		INSTRUCTIONAL LITERATURE: (HMI) AN 08-10-185 (on SCR-624-A)				
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 100 - 156 NUMBER OF CRYSTALS: 8 PRESET FREQUENCIES: 4 PRESET CHANNELS, BOTH TRANS. & RECVR. ANTENNA: "J" ANTENNA ON 50 FT. MAST. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: GASOLINE ENGINE DRIVEN GENERATOR 110 V. AC. SIMILAR SETS: USES SAME TRANSMITTER AND RECEIVER COMPONENTS AS SCR-522 AND SCR-542. POWER OUTPUT: (WATTS) 6 WATTS VOICE. TUBES: (TYPE AND NUMBER) 1-BC-624A RECVR: 1-12J5GT; 1-12C8; 1-9002; 3-9005; 1-12AH7GT; 3-12S87. 1-BC 625A TRANS: 2-832; 3-12A6; 1-6G6G; 2-6SS7. 1-RA 62 RECTIFIER: 2-5U4G; 1-6X5 GT.					PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: POINT-TO-POINT ON GROUND, GROUND STATION OR GROUND-TO-AIR COMMUNICATIONS. RANGE: (MILES) LINE-OF-SIGHT, MAXIMUM OF 130 MILES GROUND-TO-AIR. TO COMMUNICATE WITH: SCR-522; SCR-542, AND SIMILAR VHF AIRCRAFT COMMAND SETS. TO REPLACE IN PART: TRANSPORTATION: AIR TRANSPORTABLE, AND TRUCKS. TYPE OF SIGNAL: VOICE					CHANGE IN STATUS:						
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION										
		HEIGHT	WIDTH	DEPTH												
1 CHEST CH-173-A		34"	16 3/4"	13 3/4"	134 #											
1 CHEST CH-172-A		34"	16 3/4"	13 3/4"	205 #											
1 CHEST CH-170-A		47 1/4"	14 3/8"	6 3/8"	41 #											
1 ANTENNA MAST MA-7-A, CONSISTING OF:																
1 STRAP CRATE (50 FT. PLYWOOD MAST)		11"	16 1/2"	12"	152 #											
1 STAYS BOX		23 3/4"	16 3/4"	12 1/4"	121 #											
1 SPARE PARTS BOX		27"	13 1/2"	11"	45 #											
1 POWER UNIT PE-75		36"	19 1/2"	26 1/2"	322 #											
COMBINED WEIGHT OF COMPONENTS:					1020 Lbs.											
COMBINED VOLUME OF COMPONENTS:																
SHIP TONNAGE:																

RADIO SET SCR-624, SET UP FOR OPERATION.

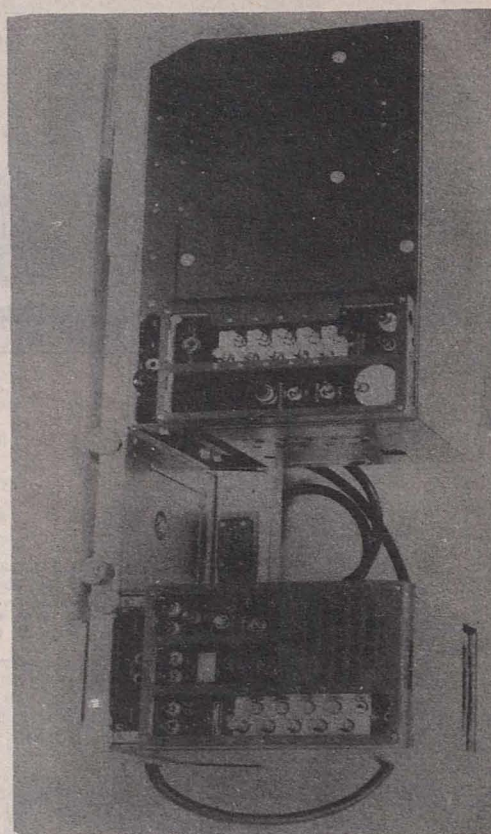


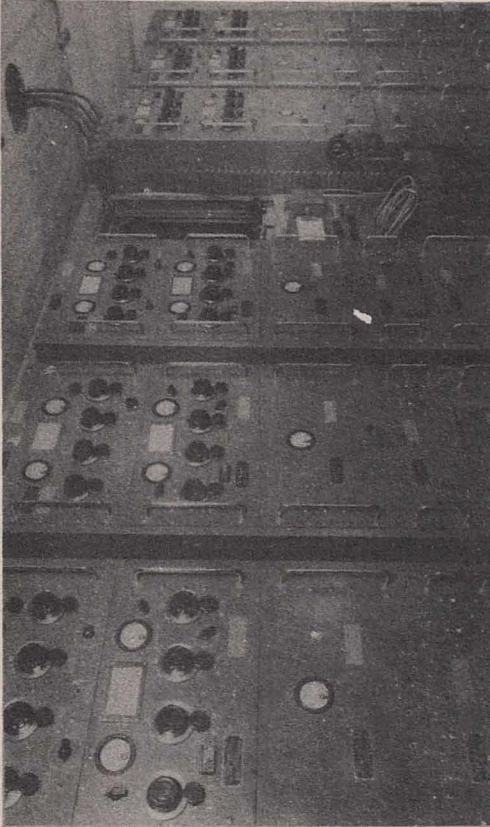
INSTRUCTIONAL LITERATURE: TM 11-1122 (SCR-625-A,B,C,D,E)	STATUS: CHANGE IN STATUS:	STANDARD 22 SEP 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-625																																														
 <p>AMPLIFIER BC-1141-D</p> <p>RESONATOR M-356-D</p> <p>CONTROL BOX BC-1140-D</p> <p>BAG BG-151-0</p> <p>SEARCH COIL C-446-D</p> <p>HANDLE M-350-D</p> <p>DETECTOR SET SCR-625 PRINCIPAL COMPONENTS</p>			<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (Mo)</p> <p>NUMBER OF CRYSTALS:</p> <p>PRESET FREQUENCIES: 1 Ko.</p> <p>ANTENNA:</p> <p>TUNING: (MO OR XTAL) MO</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 2 EA. BATTERY BA-30; 1 EA. BATTERY BA-38.</p> <p>SIMILAR SETS: NONE</p> <p>POWER OUTPUT: (WATTS)</p> <p>TUBES: (TYPE AND NUMBER) 1EA. 1G6GT; 2 EA. VT-146 (1N5GT)</p>		<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: USED FOR DETECTING ANTI-TANK AND ANTI-PERSONNEL LAND MINES.</p> <p>RANGE: About 2 Ft.</p> <p>TO COMMUNICATE WITH:</p> <p>TO REPLACE IN PART:</p> <p>TRANSPORTATION: PORTABLE BY 1 MAN.</p> <p>TYPE OF SIGNAL: VISUAL INDICATION ON METER; AUDIBLE INDICATION IN RESONATOR WORN ON LEFT SHOULDER OF USER.</p>																																													
 <p>DETECTOR SET SCR-625 USED FOR LOCATING ANTI-TANK AND ANTI-PERSONNEL LAND MINES. PHOTO SHOWS FRONT VIEW OF DETECTOR IN USE.</p>			<p>PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)</p>																																															
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>AMPLIFIER BC-1141</td> <td>14 "</td> <td>6 "</td> <td>5"</td> <td>5#</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>CHEST CH-156</td> <td>28 1/4"</td> <td>8 1/4"</td> <td>15"</td> <td>23#</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>CONTROL BOX BC-1140</td> <td>7 "</td> <td>7 "</td> <td>5"</td> <td>3#</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>HANDLE M-350</td> <td>28 1/2"</td> <td>1 1/8" DIAMETER</td> <td></td> <td>12oz.</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>RESONATOR M-356</td> <td>3 "</td> <td>3" DIAMETER</td> <td></td> <td>3oz.</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>SEARCH COIL C-446</td> <td>1 "</td> <td>13" DIAMETER</td> <td></td> <td>3#</td> <td>UNCLASSIFIED</td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	AMPLIFIER BC-1141	14 "	6 "	5"	5#	UNCLASSIFIED	CHEST CH-156	28 1/4"	8 1/4"	15"	23#	UNCLASSIFIED	CONTROL BOX BC-1140	7 "	7 "	5"	3#	UNCLASSIFIED	HANDLE M-350	28 1/2"	1 1/8" DIAMETER		12oz.	UNCLASSIFIED	RESONATOR M-356	3 "	3" DIAMETER		3oz.	UNCLASSIFIED	SEARCH COIL C-446	1 "	13" DIAMETER		3#	UNCLASSIFIED
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																													
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RESONATOR M-356	3 "	3" DIAMETER		3oz.	UNCLASSIFIED																																													
SEARCH COIL C-446	1 "	13" DIAMETER		3#	UNCLASSIFIED																																													
			<p>COMBINED WEIGHT OF COMPONENTS: 38 1/2#</p>																																															
			<p>COMBINED VOLUME OF COMPONENTS: 28 1/4" 8 1/4" 15" WHEN PACKED IN CH-156-</p>																																															
			<p>SHIP TONNAGE:</p>																																															

SCR-628		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 29 SEP 41	INSTRUCTIONAL LITERATURE: TM 11-620		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 27 - 38.9 NUMBER OF CRYSTALS: 120 PRESET FREQUENCIES: 10 INSTANTANEOUS SELECTION WHILE MOVING OR HALTED. ANTENNA: FISHPOLE TYPE, VEHICULAR. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 VOLT VEHICULAR BATTERY. SIMILAR SETS: SCR-528 (DIFFERENT FREQUENCY) SCR-608 BUT WITH ONLY ONE RECEIVER. POWER OUTPUT: (WATTS) 35 TUBES: (TYPE AND NUMBER) 1 BC-683 - 1 6J5 1 BC-684 - 7 1619 2 12SQ7 1 6H6 1 6V6GT 2 6SL7GT			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: CWS: SMOKE GEN CO; FA: AA AND AT WARNING AND CONTROL NETS, BN. C.P., FIRE CONTROL AND FIRE-DIRECTION NETS AND INTRA-BN COMMUNICATION. RANGE: (MILES) MOVING - 10 MILES; HALTED - 15 MILES TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610; SCR-628. TO REPLACE IN PART: SCR-194; SCR-245. TRANSPORTATION: TRANSPORTED & OPERATED IN VEHICLES. TYPE OF SIGNAL: Voice (FM)		CHANGE IN STATUS:				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)									
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION				
	HEIGHT	WIDTH	DEPTH						
TRANS. BC-684 RECVR. BC-683 MOUNTING FT-237 ANTENNA MAST BASE MP-48 REMOTE CONTROL UNIT RM-29.	14"	14.5"	34"	190#					
COMBINED WEIGHT OF COMPONENTS:									
COMBINED VOLUME:									
SHIP TONNAGE:									

RADIO SET SCR-628

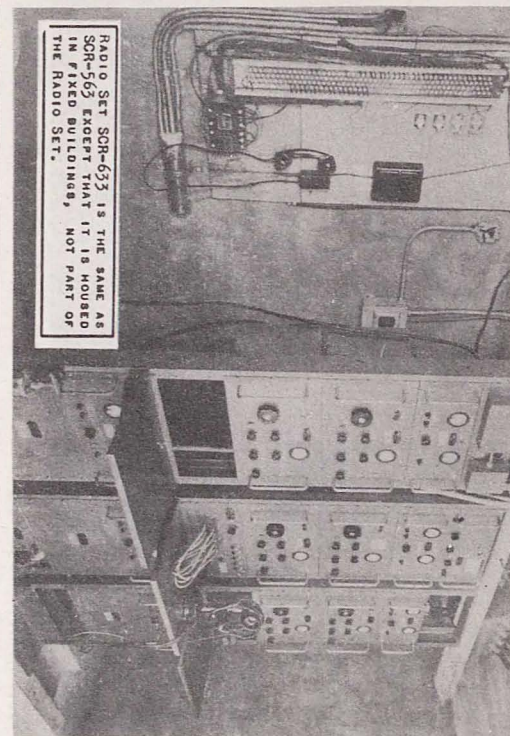
FOR OPERATION ON VOICE BY PERSONS WHO ARE NOT RADIO SPECIALISTS.



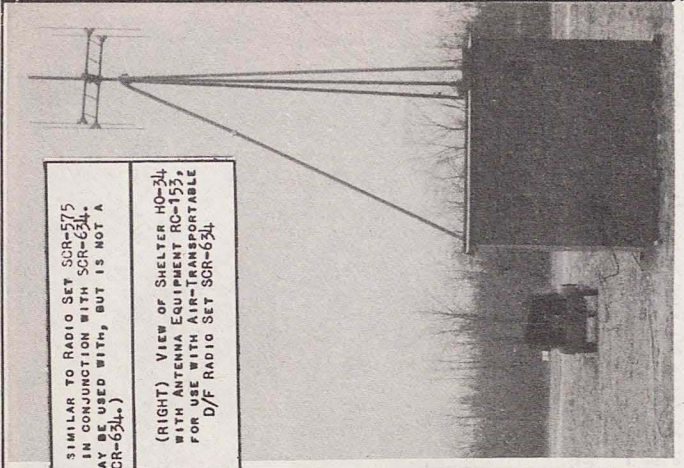
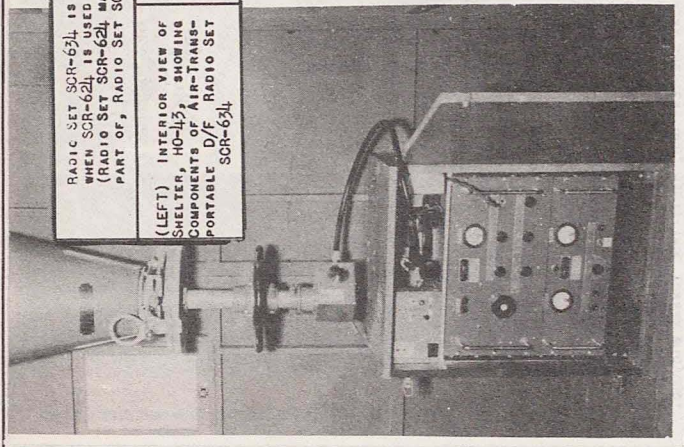
INSTRUCTIONAL LITERATURE:	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-632	
	CHANGE IN STATUS:					
 <p>RADIO SET SCR-632. PART OF CONTROL NET SYSTEM SCS-2. INTERIOR VIEW, SHOWING SIX RADIO TRANSMITTERS BC-640, AND MONITORING EQUIPMENT RC-80 INSTALLED IN DUGOUT. SAME AS RADIO SET SCR-562 EXCEPT HOUSED IN FIXED BUILDINGS NOT PART OF THE RADIO SET. A QUANTITY OF SCR-562 SETS WERE DEMOBILIZED AS SCR-632 AT THE REQUEST OF THE AAF.</p> <p>SIX (6) INCOMING WIRE LINES ARE BROUGHT INTO THE CONTROL UNIT RM-27 (MONITOR UNIT) AND THENCE TO THE INPUT OF THE TRANSMITTER BC-640. THE RM-27 HAS PROVISIONS FOR PATCHING THE INCOMING LINES TO THE 6 TRANSMITTERS, MONITORING AND ADJUSTING THE VOLUME OF THE INCOMING SIGNAL TO THE TRANSMITTER, AND INTERCOMMUNICATION WITH THE OPERATIONS BLOCK.</p>	PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)			
	FREQUENCY RANGE: (Mc) 100 - 156 NUMBER OF CRYSTALS: 5 IN USE (FULL CRYSTAL COMPLEMENT WILL BE DETERMINED BY AAF). PRESET FREQUENCIES: 5 ANTENNA: VERTICAL DIPOLE MOUNTED ON 90' MAST. TUNING: (MO OR XTAL) XTAL. SENSITIVITY: SELECTIVITY: POWER SOURCE: POWER UNIT PE-99 (7½ KVA 110V 3 PHASE 60 CYCLE); ALSO PROVISION FOR USING COMMERCIAL POWER FROM 110V 2 WIRE SERVICE. SIMILAR SETS: SCR-562 POWER OUTPUT: (WATTS) 50 (APPROXIMATELY) TUBES: (TYPE AND NUMBER) 6-BC-640 TRANS: 8 EACH, (4B) 5Z3; 4 EACH (2L) 6J5; 3 EACH (1B) 1613; 2 EACH (12) 811; 1 EACH (6) 807; 5 EACH (30) HK24G. 1-Oscilloscope RCA #155; 1-3AP1/906P1; 2-6C6; 2-80; 1-88L. 1-VOLT OHMMYST RCA-165; 2-6K66T; 1-6X5GT.		USE: VHF RADIO TRANSMITTING STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCS-2. PROVIDES 5 INDEPENDENT CHANNELS OF RADIO TRANSMISSION. RANGE: (MILES) 135 MILES WITH AIRCRAFT AT AN ALTITUDE GREATER THAN 10,000 FT. TO COMMUNICATE WITH: CONTROL SET SCR-561 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH RADIO SET SCR-522. TO REPLACE IN PART: TRANSPORTATION: TYPE OF SIGNAL: VOICE AND MCW.			
	PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)					
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH		
6 TRANSMITTERS BC-640 (1 SPARE)		72"	21"	20"	515#	
2 CONTROL UNITS RM-27		19"	11 3/8"	10 1/2"	29#	
2 POWER UNITS PE-99		55"	28"	50"	1,600#	
8 ANTENNA EQUIPMENT RC-81		12"	28 5/8"	38 1/2"	4#	
4 ANTENNA AN-56 EACH MADE UP:						
Box 1		188"	43 1/2"	25 3/4"	2,000#	
Box 2		76 1/2"	91 1/2"	23 1/2"	667#	
Box 3		13 1/2"	5 1/2"	14 1/2"	190#	
Box 4		35 1/2"	26 1/2"	17 1/2"	490#	
Box 5		36 5/8"	34 3/4"	17 1/2"	495#	
COMBINED WEIGHT OF COMPONENTS:					24,500#	
COMBINED VOLUME OF COMPONENTS:					900 cu. ft.	
SHIP TONNAGE:					12 1/4 T.	

THIS SHEET IS CLASSIFIED: RESTRICTED

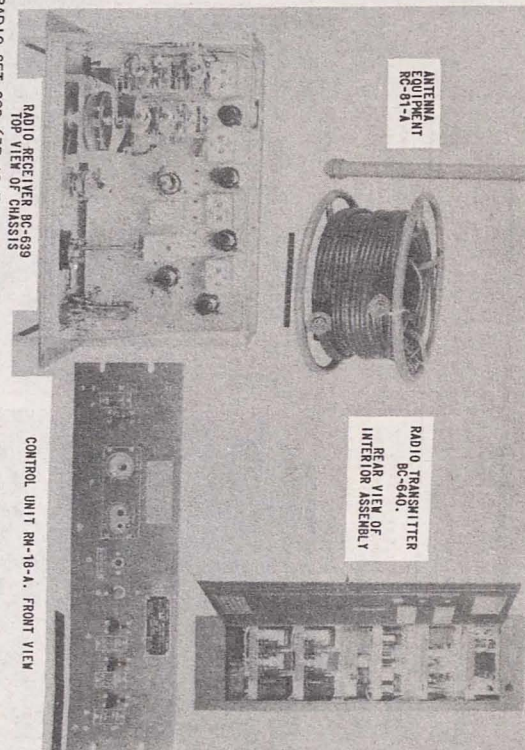
SCR-633		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	INSTRUCTIONAL LITERATURE:
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		CHANGE IN STATUS:	
FREQUENCY RANGE: (Mc) 100-156 NUMBER OF CRYSTALS: 6 IN USE (FULL XTAL COMPLEMENT TO BE DETERMINED BY AAF). PRESET FREQUENCIES: 6 RECEIVERS. BC-639 CONTAINED IN SCR-563 ARE NOT CRYSTAL CONTROLLED BUT ARE CALIBRATED BY MEANS OF THE FREQUENCY METER BC-638. THE FREQUENCY METER IS SET UP FOR 5 CRYSTALS WHICH ARE SELECTED BY MEANS OF A 5-POINT SWITCH. 1 XTAL IS NEEDED FOR EACH FREQUENCY. ANTENNA: VERTICAL DIPOLES MOUNTED ON 90' MAST. TUNING: (MO OR XTAL) VARIABLE SENSITIVITY: 2-3 v/METER 50 MW OUTPUT. SELECTIVITY: 2 TIMES DOWN LESS 100 Kc. 1000 TIMES DOWN MORE 350 Kc. POWER SOURCE: POWER UNIT PE-99 (7½ KVA 110V 3 PHASE 60 CYCLE); ALSO HAS PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE. SIMILAR SETS: SCR-563 POWER OUTPUT: (WATTS) 1 (DISTORTED) ½ W 10% DISTORTION. TUBES: (TYPE AND NUMBER) RECEIVING SET FOR SCS-2. 6 BC-639-A: 18 9003; 6 9002; 2 6SG7; 6 6K6GT; 6 6SQ7. 1 BC-638-A: 1 5V4G; 1 9002; 2 9003; 1 6L5G; 1 6E5; 1 6SK7. 6RA-42-A: 6 5V4G.			USE: VHF RADIO RECEIVING STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCS-2. PROVIDES 5 CHANNELS OF RADIO RECEIVING. RANGE: (MILES) DETERMINED BY OUTPUT OF AIRBORNE TRANSMITTER. TO COMMUNICATE WITH: CONTROL SET SCR-561 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH RADIO SET SCR-522. TO REPLACE IN PART: TRANSPORTATION: TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED SIGNAL AND CW.			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)						
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	
	HEIGHT	WIDTH	DEPTH			
6 RECEIVERS BC-639 (1 SPARE)	10 1/2"	19"	13 1/4"	36#		
1 CONTROL UNIT RM-23	5"	19"	8 1/2"	18#		
8 ANTENNA EQUIPMENT RC-81	12"	28 1/2"	38 1/2"	4#		
1 POWER UNIT PE-99	55"	28"	50"	1600#		
1 FREQUENCY METER BC-638	11 1/2"	19"	7"	35#		
6 RECTIFIER UNITS RA-42 (1 SPARE)	7"	19"	8 1/2"	26#		
3 SOCKET PANEL PN-4	10 1/2"	19"	3 1/8"	7#		
1 FUSE PANEL PN-15	5"	19"	5"	24#		
4 ANTENNA AN-56 EACH MADE UP:	188"	43 1/2"	25 3/4"	2000#		
Box 1	76 1/2"	91 1/2"	23 1/2"	667#		
Box 2	13 1/2"	5 1/2"	14 7/8"	190#		
Box 3	35 1/2"	26 1/2"	17 1/2"	490#		
Box 4	36 5/8"	34 3/4"	17 1/2"	495#		
COMBINED WEIGHT OF COMPONENTS:				19,500#		
COMBINED VOLUME OF COMPONENTS:				700 cu . FT.		
SHIP TONNAGE:				9 3/4 T.		



RADIO SET SCR-633 . PART OF CONTROL NET SYSTEM SCS-2
 Showing Front 3/4 View of Radio Receiving Equipment and Communications Panel Installed in Dugout Shelter
 REF: 9-25-43 SIGNAL CORPS GROUND SIGNAL SERVICE REF: 9-235

INSTRUCTIONAL LITERATURE:	STATUS:	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-634																																																					
	CHANGE IN STATUS:	<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>FREQUENCY RANGE: (Mc) 100 - 156</p> <p>NUMBER OF CRYSTALS: None</p> <p>PRESET FREQUENCIES: BY RECEIVER CALIBRATION DIAL. TRANSMITTER BC-655 (TARGET).</p> <p>ANTENNA: ADOOOK-DIRECTIONAL D/F WITH SENSING.</p> <p>TUNING: (MO OR XTAL) VARIABLE.</p> <p>SENSITIVITY: 2-3 MICROVOLTS/METER AT 50 MW</p> <p>SELECTIVITY: 2 TIMES DOWN LESS 100 Kc, 1,000 TIMES DOWN MORE THAN 350 Kc.</p> <p>POWER SOURCE: POWER UNIT PE-75 2.5 KVA, 110 VOLTS SINGLE PHASE 60 CYCLES OR POWER UNIT PE-214, 300 WATT 120 VOLTS, SINGLE PHASE 60 CYCLE (BOTH GASOLINE ENGINES).</p> <p>SIMILAR SETS: SCR-565</p> <p>POWER OUTPUT: (WATTS) 1 (DISTORTED) 1/2 (10% DISTORTION).</p> <p>TUBES: (TYPE AND NUMBER)</p> <table border="0"> <tr> <td>RECEIVER BC-639:</td> <td>RECTIFIER RA-42</td> </tr> <tr> <td>1 6SQ7</td> <td>1 5V4G</td> </tr> <tr> <td>1 6K6GT</td> <td></td> </tr> <tr> <td>1 9002</td> <td>TRANSMITTER: BC-655, TARGET</td> </tr> <tr> <td>3 9003</td> <td>1 958</td> </tr> <tr> <td>4 6SG7</td> <td>1 1A5GT</td> </tr> </table>			RECEIVER BC-639:	RECTIFIER RA-42	1 6SQ7	1 5V4G	1 6K6GT		1 9002	TRANSMITTER: BC-655, TARGET	3 9003	1 958	4 6SG7	1 1A5GT	<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>USE: RADIO SET SCR-634-A IS AN AIR TRANSPORTABLE SELF-CONTAINED FIELD OPERATED RADIO DIRECTION FINDER (D/F) STATION USED PRIMARILY WITH OTHER UNITS OF THE SAME KIND AS A FIXED D/F STATION OR AS A HOME D/F STATION WHEN RADIO SET SCR-624 IS ADDED. ALL EQUIPMENT IS HOUSED IN SHELTER HO-34-A.</p> <p>RANGE: DETERMINED BY OUTPUT OF AIRBORNE TRANSMITTER.</p> <p>TO COMMUNICATE WITH: FIGHTER AIRCRAFT EQUIPPED WITH RADIO SET SCR-522.</p> <p>TO REPLACE IN PART:</p> <p>TRANSPORTATION: DESIGNED AS AN AIR TRANSPORTABLE VHF DIRECTION FINDER STATION.</p> <p>TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED SIGNAL AND C.W.</p>																																							
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 <p>RADIO SET SCR-634 IS SIMILAR TO RADIO SET SCR-575 WHEN SCR-624 IS USED IN CONJUNCTION WITH SCR-634. (RADIO SET SCR-624 MAY BE USED WITH, BUT IS NOT A PART OF, RADIO SET SCR-634.)</p> <p>(RIGHT) VIEW OF SHELTER HO-34 WITH ANTENNA EQUIPMENT RC-153 FOR USE WITH AIR-TRANSPORTABLE D/F RADIO SET SCR-634.</p>		<p>PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)</p>																																																						
 <p>(LEFT) INTERIOR VIEW OF SHELTER, HO-34, SHOWING COMPONENTS OF AIR-TRANSPORTABLE D/F RADIO SET SCR-634.</p>		<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>1 RECEIVER BC-639</td> <td>10 1/2"</td> <td>19"</td> <td>13 1/4"</td> <td>36#</td> <td></td> </tr> <tr> <td>1 RECTIFIER UNIT RA-42</td> <td>7 "</td> <td>19"</td> <td>8 1/2"</td> <td>26#</td> <td></td> </tr> <tr> <td>1 ANTENNA EQUIPMENT RC-153-B</td> <td></td> <td></td> <td></td> <td>298#</td> <td></td> </tr> <tr> <td>1 TRANSMITTER BC-655 (TARGET)</td> <td>10 1/2"</td> <td>9"</td> <td>6 3/4"</td> <td>13#</td> <td></td> </tr> <tr> <td>1 POWER UNIT PE-75 OR PE-214</td> <td>40 "</td> <td>19"</td> <td>27 1/2"</td> <td>300#</td> <td></td> </tr> <tr> <td>1 SHELTER HO-34</td> <td>64 "</td> <td>90"</td> <td>84 "</td> <td>625#</td> <td></td> </tr> <tr> <td>1 CONTROL UNIT RM-38</td> <td>7 3/4"</td> <td>61/2"</td> <td>6 "</td> <td>5.5#</td> <td></td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	1 RECEIVER BC-639	10 1/2"	19"	13 1/4"	36#		1 RECTIFIER UNIT RA-42	7 "	19"	8 1/2"	26#		1 ANTENNA EQUIPMENT RC-153-B				298#		1 TRANSMITTER BC-655 (TARGET)	10 1/2"	9"	6 3/4"	13#		1 POWER UNIT PE-75 OR PE-214	40 "	19"	27 1/2"	300#		1 SHELTER HO-34	64 "	90"	84 "	625#		1 CONTROL UNIT RM-38	7 3/4"	61/2"	6 "	5.5#		1,035 # (APPROXIMATELY)
ITEM	DIMENSIONS			WEIGHT		CLASSIFICATION																																																		
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					311 CU. FT. (APROX)																																																			
		SHIP TONNAGE:			1,035 AIR TRANSPORTABLE 1 TON WHEN EXPORT PACKED																																																			

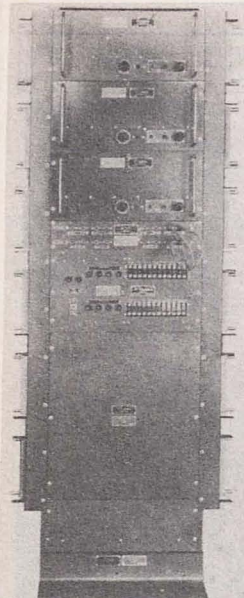
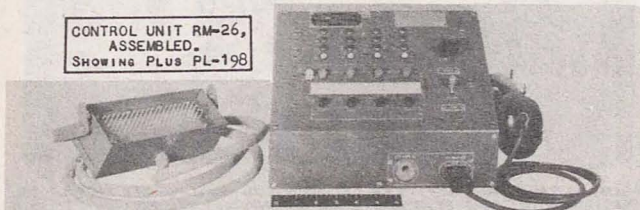
SCR-637		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	INSTRUCTIONAL LITERATURE:
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 100 - 156 NUMBER OF CRYSTALS: IN USE: 2 IN TRANSMITTER STATION 2 IN RECEIVER STATION (FULL XTAL COMPLEMENT TO BE DETERMINED BY AAF). PRESET FREQUENCIES: 2 IN TRANSMITTER STATION, 2 IN RECEIVER STATION (FREQUENCY METER) ANTENNA: VERTICAL DIPOLES MOUNTED ON 50' MAST. TUNING: (MO OR XTAL) TRANSMITTERS XTAL-RECEIVERS VARIABLE. SENSITIVITY: 2-3 v/METER @ 50 MW. SELECTIVITY: 2 TIMES DOWN LESS 100 Kc. 1000 TIMES DOWN MORE 350 Kc. POWER SOURCE: POWER UNIT PE-99 (7½ KVA 110V 3 PHASE 60 CYCLE); ALSO HAS PROVISION FOR OPERATION ON COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE. SIMILAR SETS: SCR-573, SCR-574; ALSO SCR-567. POWER OUTPUT: (WATTS) 50 WATTS FROM TRANSMITTER ½ WATT RECEIVER. TUBE: (TYPE AND NUMBER) SEE NOTE #		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: FORWARD RELAY STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCS-2 PROVIDES 2 INDEPENDENT CHANNELS RECEIVING AND TRANSMITTING FOR EXTENDING THE RANGE OF RADIO SETS SCR-562 AND SCR-563 WHEN USED AS PART OF THE FIGHTER CONTROL SYSTEM. RANGE: (MILES) 135 MILES WITH AIRCRAFT AT 10,000 FT. TO COMMUNICATE WITH: CONTROL SET SCR-561 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH RADIO SET SCR-522. TO REPLACE IN PART: TRANSPORTATION: FIXED TYPE OF SIGNAL: VOICE AND MCW.		CHANGE IN STATUS:		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)						
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	RADIO SET SCR-637 IS THE SAME AS SCR-567 EXCEPT HOUSED IN FIXED BUILDINGS NOT PART OF THE SET. A QUANTITY OF RADIO SETS SCR-567 WAS DEMOBILIZED AS RADIO SET SCR-637 AT THE REQUEST OF THE AAF. *TUBES: (TYPE AND NUMBER) RA-42: 1-5V14. BC-686: 3-25L6. BC-638-A: 1-5V14. 1-9002-2-9003; 1-6L5; 1-6E5; 1-6XK7. BC-639-A: 3-9003; 1-9002; 4-6S67; 1-6K6GT. BC-640: 8-5Z3; 1-6C93. 1-6L5; 2-811; 1-807; 5-KK203; 6A #195 VOLT OHMMETER; 2-6K6GT; 1-6X5GT. Supreme Tube #18904B. ER #501-A: 1-71-A, 1-NEON BULB 1/4 WATT. GE Tuner Charera: 6nb, 33b1. 1-GE Tuner #18904B.
	HEIGHT	WIDTH	DEPTH			
2 POWER UNIT PE-99 EACH	55"	28"	50"	1,600 #		
2 TRANSMITTERS BC-640 EACH	72"	21"	20"	515 #		
2 RECEIVERS BC-639 EACH	10 1/2"	19"	13 1/2"	36 #		
1 FREQUENCY METER BC-638	11 1/2"	19"	7	35 #		
2 ANTENNA AN-57 EACH	TOTAL 10	0 CU. FT.		2,500 #		
4 ANTENNA EQUIPMENT RC-81 EACH	12"	28 1/2"	38 1/2"	4 #		
2 CONTROL UNITS RM-18 EACH	5"	19"	8"	16 #		
2 AMPLIFIER BC-686 EACH	12"	19"	11"	36 #		
2 RECTIFIER RA-42	7"	19"	8 1/2"	26 #		
1 FUSE PANEL PN-15	5"	19"	5"	24 #		
1 FUSE PANEL PN-5	4 3/4"	19"	3 1/2"	15 #		
1 RELAY UNIT BC-685	8 3/4"	19"	14 1/4"	46 #		
COMBINED WEIGHT OF COMPONENTS:				16,000 #	APPROXIMATELY	
COMBINED VOLUME OF COMPONENTS:				900 CU. FT.	APPROXIMATELY	
SHIP TONNAGE:				8 TONS	APPROXIMATELY	



SCR-642

INSTRUCTIONAL LITERATURE:

STATUS:

STANDARD
20 Nov 43NOTE: SEE INDIVIDUAL SECTIONS
FOR SECTION CLASSIFICATION.NOMENCLATURE
DESIGNATION:CHANGE IN
STATUS:PART A - TECHNICAL CHARACTERISTICS
(CLASSIFICATION: **RESTRICTED**)PART B - TACTICAL CHARACTERISTICS
(CLASSIFICATION: **RESTRICTED**)(LEFT)
CONTROL EQUIPMENT
FOR SCR-642.(ABOVE)
TELEPHONE REPEATER EE-99. CASE COVERS
OPEN SHOWING CONTROL PANEL AND BATTERY
COMPARTMENT DOORCONTROL UNIT RM-26,
ASSEMBLED.
SHOWING PLUS PL-198RADIO SET SCR-642 IS THE SAME AS CONTROL SET SCR-527 EXCEPT THAT
IT IS HOUSED IN FIXED BUILDINGS NOT PART OF THE SET.FREQUENCY RANGE: (MO) THE CONTROL SET SCR-642
IS AN OPERATIONS BLOCK OF A FIGHTER CONTROL
SYSTEM AND CONTAINS NO RADIO EQUIPMENT.

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: NONE

ANTENNA: NONE

TUNING: (MO OR XTAL) NONE

SENSITIVITY: SELECTIVITY:

POWER SOURCE: POWER UNIT PE-99 (7 1/2 KVA 110V 3
PHASE 60 CYCLE) ALSO HAS PROVISIONS FOR USING
COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE.

SIMILAR SETS: CONTROL SET SCR-572.

POWER OUTPUT: (WATTS)

TUBES: (TYPE AND NUMBER) 3-BC-687; 12-25L6.

USE: CONTROL SET USED AS AN OPERATIONS BLOCK WHICH
PROVIDES THE NECESSARY CONTROL EQUIPMENT AND
AUXILIARIES TO PERMIT SIMULTANEOUS OPERATION-
AL CONTROL OF UP TO TWO (2) AIRCRAFT SQUADRONS
FOR GROUND CONTROL OF INTERCEPTOR PURSUIT
OPERATIONS.RANGE: (MILES) MINIMUM OF 135 MILES WITH AIRCRAFT
AT 10,000 FT.TO COMMUNICATE WITH: RADIO SET SCR-573 OR
SCR-643, SCR-574, OR SCR-644, SCR-575 OR
SCR-645 BY TELEPHONE AND BY RADIO WITH
FIGHTER AIRCRAFT EQUIPPED WITH SCR-522.

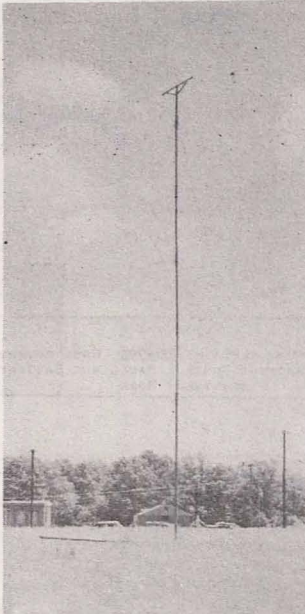
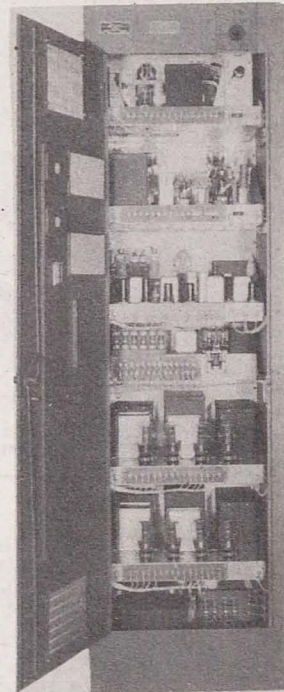
TO REPLACE IN PART:

TRANSPORTATION:

TYPE OF SIGNAL:

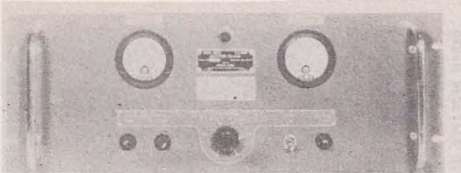
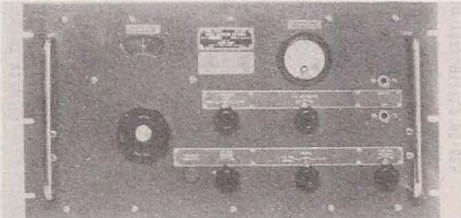

PART C - PRINCIPAL COMPONENTS
(CLASSIFICATION: **RESTRICTED**)

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
3 CONTROL UNITS RM-25 EACH	20 "	11 1/4"	11 1/4"	44#	
2 CONTROL UNITS RM-26 EACH	11 7/8"	9 "	8 "	20#	
1 CONTROL UNIT RM-28	14 1/2"	12 "	7 "	35#	
3 SWITCHBOARDS BD-72 EACH	12 "	12 "	24 "	68#	
20 TELEPHONE REPEATERS EE-99	8 "	14 1/2"	11 1/2"	47#	
3 RELAY UNIT BC-687	9 "	12 1/2"	9 "	35#	
COMBINED WEIGHT OF COMPONENTS:				4,000#	
COMBINED VOLUME:				200 CU. FT.	
SHIP TONNAGE:				2 T	

SCR-643		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	STATUS:	STANDARD 20 Nov 43	INSTRUCTIONAL LITERATURE:
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 100-156 NUMBER OF CRYSTALS: 2 IN USE (FULL XTAL COMPLEMENT TO BE DETERMINED BY AAF). PRESET FREQUENCIES: 2 ANTENNA: VERTICAL DIPOLE MOUNTED ON 76' MAST. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: POWER UNIT PE-99 (7½ KVA 110V 60 CYCLE 3 PHASE); ALSO HAS PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE. SIMILAR SETS: TRANS. STATION OF SCR-567. POWER OUTPUT: (WATTS) 50 TUBES: (TYPE AND NUMBER) SCR-643 USES: 16-523 2-606 8-6J5 2-80 6-1613 1-88L 4-811 1-3AP1/906P1 2-807 2-6K6 GT 10-HK2L 1-6 X 5 GT.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: TWO CHANNEL TRANS. STATION FOR THE GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATION. PART OF CONTROL NET SYSTEM SCS-3. RANGE: (MILES) MINIMUM OF 135 MILES WITH AIRCRAFT AT 10,000 FT. TO COMMUNICATE WITH: CONTROL SET SCR-572 OR SCR-642, RADIO SET SCR-574 OR SCR-644, SCR-575 OR SCR-645 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH RADIO SET SCR-522. TO REPLACE IN PART: TRANSPORTATION: TYPE OF SIGNAL: TRANSMITS VOICE AND MCW.		CHANGE IN STATUS:		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)						
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	
	HEIGHT	WIDTH	DEPTH			
2 TRANS. BC-640	72"	21"	20"	515	RESTRICTED	
1 CONTROL UNIT RM-27	11 3/8	19	10 1/2	29	RESTRICTED	
1 ANTENNA AN-86	PACKED IN 25 CU.FT.	5	5	743	RESTRICTED	
2 ANTENNA EQUIP. RC-81	12	28	38	4	RESTRICTED	
COMBINED WEIGHT OF COMPONENTS:				3,000# APPROX.		
COMBINED VOLUME:				450 CU.FT. APPROX.		
SHIP TONNAGE:				1 1/2 T APPROX.		

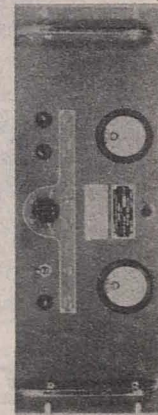
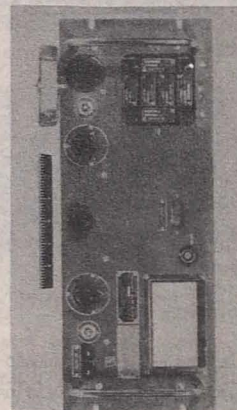
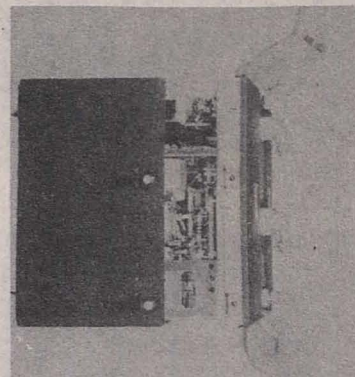
RADIO TRANSMITTER BC-640
REAR VIEW OF INTERIOR
ASSEMBLYANTENNA AN-86 FOR USE WITH
NET CONTROL SYSTEM, SCS-3.
(SHOWING MAST ERECTED)

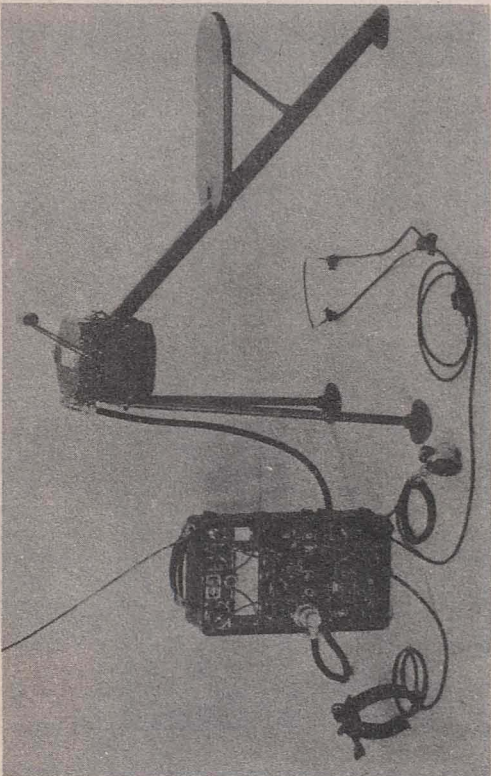
SAME AS RADIO SET SCR-573 EXCEPT HOUSED IN BUILDING NOT PART OF THE RADIO SET. A QUANTITY OF RADIO SET SCR-573 WAS DEMOBILIZED TO RADIO SET SCR-643 AT THE REQUEST OF THE AAF. THIS SET CONTAINS 2 TRANSMITTERS BC-640 FOR SIMULTANEOUS OPERATION. SIMILAR IN OPERATION TO RADIO SET SCR-562 EXCEPT THAT IT CONTAINS 2 TRANSMITTERS BC-640, INSTEAD OF 6.

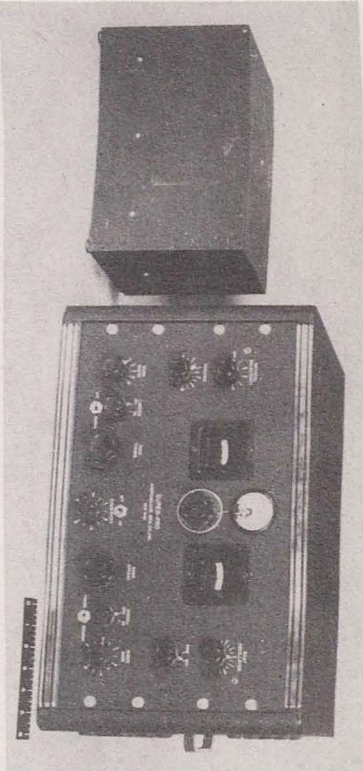
INSTRUCTIONAL LITERATURE:	STATUS:	STANDARD 20 Nov 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-644																																																																					
	CHANGE IN STATUS:																																																																									
 <p>RECTIFIER RA-42. FRONT VIEW</p>  <p>RADIO RECEIVER BC-639. FRONT VIEW</p>  <p>FREQUENCY METER BC-638. FRONT VIEW SHOWING CRYSTAL COMPARTMENT COVER REMOVED</p> <p>RADIO SET SCR-644 IS THE SAME AS SCR-574 EXCEPT HOUSED IN BUILDINGS NOT PART OF THE RADIO SET. A QUANTITY OF RADIO SETS SCR-574 WAS DEMOBILIZED AS RADIO SETS SCR-644 AT THE REQUEST OF THE AAF.</p>	PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																																																							
	FREQUENCY RANGE: (Mo) 100-156 NUMBER OF CRYSTALS: 2 IN USE (FULL COMPLEMENT TO BE DETERMINED BY AAF). PRESET FREQUENCIES: VARIABLE (DIAL SETTING CHECKED WITH CRYSTAL CONTROLLED FREQUENCY METER.) ANTENNA: VERTICAL DIPOLE MOUNTED ON 76' MAST. TUNING: (MO OR XTAL) SENSITIVITY: 2-3MV/METER AT 50 MW SIGNAL RATIO 10 TO 1. SELECTIVITY: 2 TIMES DOWN LESS 100 Kc. 1000 TIMES DOWN MORE 350 Kc. POWER SOURCE: POWER UNIT PE-99 (7 1/2 KVA 110V 3 PHASE 60 CYCLE); ALSO HAS PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE. SIMILAR SETS: RECEIVER STATION OF SCR-567. POWER OUTPUT: (WATTS) RECEIVER BC-639 1 WATT DISTORTED 2 W 10% DISTORTION. TUBES: (TYPE AND NUMBER) BC-638: 1-6SK7; 1-9002; 2-9003; 1-5V4G; 1-6L5B; 1-6E5. BC-639: 1-9002; 3-9003; 1-6SQ7; 1-6K6GT; 4-6SB7. BC-686: 3-25L6. RA-42: 1-5V4G.		USE: TWO CHANNEL RECEIVER STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCS-3. RANGE: (MILES) MINIMUM OF 135 MILES WITH AIRCRAFT AT 10,000 FT. TO COMMUNICATE WITH: CONTROL SET SCR-572 OR SCR-642, RADIO SET SCR-573 OR SCR-643 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH SCR-522. TO REPLACE IN PART: TRANSPORTATION: TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED AND CW.																																																																							
	PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)		<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>2 RECEIVERS BC-639 EACH</td> <td>10 1/2"</td> <td>19"</td> <td>13 1/2"</td> <td>36</td> <td>RESTRICTED</td> </tr> <tr> <td>2 RECTIFIERS RA-42 EACH</td> <td>7</td> <td>19</td> <td>8 1/2</td> <td>26</td> <td>RESTRICTED</td> </tr> <tr> <td>1 FREQUENCY METER BC-638</td> <td>11 1/2</td> <td>19</td> <td>7</td> <td>35</td> <td>RESTRICTED</td> </tr> <tr> <td>2 CONTROL UNITS RM-18 EACH</td> <td>5</td> <td>19</td> <td>8 3/4</td> <td>16</td> <td>RESTRICTED</td> </tr> <tr> <td>2 AMPLIFIER BC-686</td> <td>12</td> <td>19</td> <td>11</td> <td>36</td> <td>RESTRICTED</td> </tr> <tr> <td>1 FUSE PANEL PN-15</td> <td>5</td> <td>19</td> <td>5</td> <td>24</td> <td>RESTRICTED</td> </tr> <tr> <td>1 FUSE PANEL PN-5</td> <td>2 1/2</td> <td>19</td> <td>4 5/8</td> <td>15</td> <td>RESTRICTED</td> </tr> <tr> <td>2 FRAMES FM-39 EACH</td> <td>72</td> <td>20</td> <td>3</td> <td>121</td> <td>RESTRICTED</td> </tr> <tr> <td>1 ANTENNA AN-86</td> <td>PACKED IN 25 CU.FT.</td> <td>5</td> <td>PAKAGES APPROX.</td> <td>743</td> <td>RESTRICTED</td> </tr> <tr> <td>2 ANTENNA EQUIPMENT RC-81</td> <td>12</td> <td>28 1/2</td> <td>38 1/2</td> <td>4</td> <td>RESTRICTED</td> </tr> </tbody> </table>				ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	2 RECEIVERS BC-639 EACH	10 1/2"	19"	13 1/2"	36	RESTRICTED	2 RECTIFIERS RA-42 EACH	7	19	8 1/2	26	RESTRICTED	1 FREQUENCY METER BC-638	11 1/2	19	7	35	RESTRICTED	2 CONTROL UNITS RM-18 EACH	5	19	8 3/4	16	RESTRICTED	2 AMPLIFIER BC-686	12	19	11	36	RESTRICTED	1 FUSE PANEL PN-15	5	19	5	24	RESTRICTED	1 FUSE PANEL PN-5	2 1/2	19	4 5/8	15	RESTRICTED	2 FRAMES FM-39 EACH	72	20	3	121	RESTRICTED	1 ANTENNA AN-86	PACKED IN 25 CU.FT.	5	PAKAGES APPROX.	743	RESTRICTED	2 ANTENNA EQUIPMENT RC-81	12	28 1/2	38 1/2	4
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																																																					
	HEIGHT	WIDTH	DEPTH																																																																							
2 RECEIVERS BC-639 EACH	10 1/2"	19"	13 1/2"	36	RESTRICTED																																																																					
2 RECTIFIERS RA-42 EACH	7	19	8 1/2	26	RESTRICTED																																																																					
1 FREQUENCY METER BC-638	11 1/2	19	7	35	RESTRICTED																																																																					
2 CONTROL UNITS RM-18 EACH	5	19	8 3/4	16	RESTRICTED																																																																					
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COMBINED WEIGHT OF COMPONENTS:				2,500# APPROX.																																																																						
COMBINED VOLUME:				400 CU. FT. APPROX.																																																																						
SHIP TONNAGE:				1 1/4 T APPROX.																																																																						

THIS SHEET IS CLASSIFIED: RESTRICTED

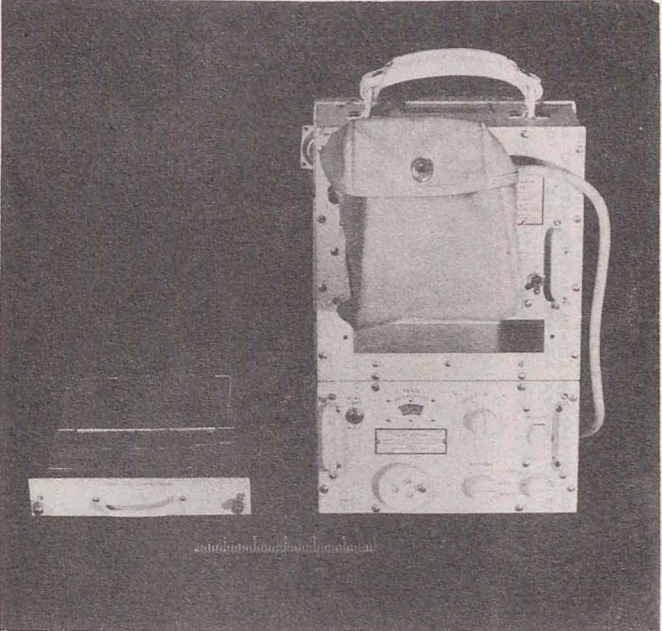
SCR-645		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	INSTRUCTIONAL LITERATURE:
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 100-156 NUMBER OF CRYSTALS: 4 IN BC-624; 4 IN BC-625; 5 IN BC-638. PRESET FREQUENCIES: 4 EACH RECEIVING AND TRANSMITTING. ANTENNA: ROTATABLE ADOCK D/F WITH SENSE FACILITIES. TUNING: (MO OR XTAL) XTAL ON COMMUNICATIONS R&T. VARIABLE ON D/F RECEIVER. SENSITIVITY: 2-3 MICROVOLTS/METER. SELECTIVITY: 2 TIMES DOWN LESS THAN 100 Kc. 1000 TIMES DOWN MORE THAN 350 Kc. POWER SOURCE: POWER UNIT PE-99 AND STORAGE BATTERIES, ALSO COMMERCIAL POWER 110 VOLT 2 WIRE. SIMILAR SETS: SCR-566 AND SCR-575 POWER OUTPUT: (WATTS) COMMUNICATIONS TRANSMITTER 6 WATTS MINIMUM. TUBES: (TYPE AND NUMBER) BC-629: 1-6SQ7; 1-6K66T; 1-9002; 3-9003; 4-6SG7. RA-42: 1-5V4G. BC-638: 1-9002; 2-9003; 1-5V4G; 1-6L5G; 1-6SK7; 1-6E5. BC-624: 1-9002; 3-9003; 1-12J56T; 1-12C8; 1-12AH7GT; 3-12SG7. BC-625: 2-832; 3-12A6; 1-666G; 2-6SS7. BC-687: 4-25L6GT. RC-93: 1-958; 1-1A5GT.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: MOBILE DIRECTION FINDING STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCS-3. USED AS D/F STATION FOR OBTAINING BEARING ON AIRCRAFT EQUIPPED WITH RADIO SET SCR-522 FOR PURPOSES OF HOMING AND D/F PLOTTING. RANGE: (MILES) MINIMUM OF 135 MILES WITH AIRCRAFT AT 10,000 FT. TO COMMUNICATE WITH: CONTROL SET SCR-572 OR SCR-642. RADIO SET SCR-573 OR SCR-643 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH SCR-522. TO REPLACE IN PART: NONE TRANSPORTATION: FIXED. TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED AND CW. TRANSMITS VOICE MODULATION.		CHANGE IN STATUS:		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)					RADIO RECEIVER DC-624, RADIO TRANSMITTER BC-625 SHOWING PROCEDURE OF REMOVING CASE. RADIO SET SCR-645 IS THE SAME AS SCR-575 EXCEPT HOUSED IN TOWER TR-17, INSTEAD OF IN VEHICLE. A QUANTITY OF SCR-575-SETS WERE DEMOBILIZED AS SCR-645 AT THE REQUEST OF THE ARMY AIR FORCES.	
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH		
2 RECEIVERS BC-639 EACH		10 1/2"	19"	13 1/2"	36#	
2 RECTIFIERS RA-42 EACH		7"	19"	8 1/2"	26#	
1 FREQUENCY METER BC-638		11 1/2"	19"	7"	35#	
1 RECEIVER BC-624		6"	15 1/2"	9"	14 1/2#	
1 TRANSMITTER BC-625		6"	15 1/2"	9"	16 1/4#	
1 ANTENNA EQUIPMENT RC-153					150 #	
1 OSCILLATOR TEST EQUIPMENT RC-93		10 1/2"	9"	6 3/4"	12#	
1 DYNAMOTOR UNIT PE-94		7"	13"	9"	36#	
1 FUSE PANEL PN-15		5"	19"	5"	21#	
1 FUSE PANEL PN-5		2 1/2"	19"	4 5/8"	15#	
1 DYNAMOTOR UNIT PE-100		6"	19"	10 1/2"	23#	
1 CONTROL UNIT RM-18		5"	19"	8 3/4"	16#	
1 CONTROL PANEL PN-25		6 1/4"	19"	7"	16#	
1 RELAY UNIT BC-687		9"	19"	12 1/2"	46#	
1 TOWER TR-17					1983 CU. FT.	
1 SHELTER HO-3		24"	60"	72"	626	
COMBINED WEIGHT OF COMPONENTS:					21,000#	APPROXIMATELY
COMBINED VOLUME OF COMPONENTS:					2,200 CU. FT. APPROX.	
SHIP TONNAGE:					12 TON	APPROXIMATELY



INSTRUCTIONAL LITERATURE:	STATUS:	STANDARD 28 Jul 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-694		
		<p>CHANGE IN STATUS:</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">COMPONENTS OF RADIO SET SCR-694, SET UP FOR FIELD OPERATION SHOWING GENERATOR AND STEEL TAPED ANTENNA.</p>	<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (Mc) 3.8 - 6.5</p> <p>NUMBER OF CRYSTAL: 2</p> <p>PRESET FREQUENCIES: 2</p> <p>ANTENNA: 15' WHIP AN-123, 124.</p> <p>TUNING: (MO OR XTAL) BOTH</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 6 OR 12 V VEHICLE BATTERY WITH VIBRATOR UNIT PE-237, HAND GENERATOR GN-57 FOR FIELD USE OR BATTERY BA-48 FOR RECVR. ONLY.</p> <p>SIMILAR SETS:</p> <p>POWER OUTPUT: (WATTS) VEHICLE OPERATION A1-25, A3-7; FIELD OPERATION A1-20, A3-5.</p> <p>TUBES: (TYPE AND NUMBER) 1 TRANS.: 2 3A4; 1 HY65; 1 1S70; 1 VR105-30. 1 RECVR.: 3 1T4; 1 1R5; 1 1R5; 1 3Q4.</p>	<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: INFANTRY; PARACHUTE; MOUNTAIN & AIRBORNE TROOPS.</p> <p>RANGE: (MILES) STATIONARY CW-30; VOICE-15; MOVING CW-15; VOICE-7.</p> <p>TO COMMUNICATE WITH: SCR-284; SCR-511; SCR-536.</p> <p>TO REPLACE IN PART: SCR-284.</p> <p>TRANSPORTATION: VEHICLE OR MAN PACK.</p> <p>TYPE OF SIGNAL: CW; VOICE (AM).</p>		
<p>PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)</p>						
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
<p>TRANS. & RECVR. BC-1306</p> <p>VIBRATOR UNIT PE-237</p> <p>GENERATOR GN-57</p>		HEIGHT 14 1/2"	WIDTH 9"	DEPTH 4 - 5"	27# (RECVR. & TRANS. ONLY)	
COMBINED WEIGHT OF COMPONENTS:						
COMBINED VOLUME:						
SHIP TONNAGE:						

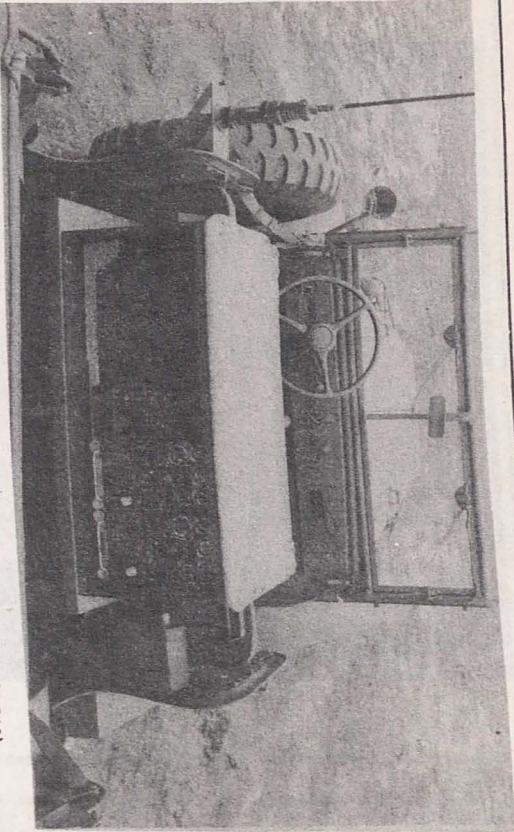
SCR-704		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD 2 Nov 43		INSTRUCTIONAL LITERATURE:			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 1.25 - 40 NUMBER OF CRYSTALS: HAS CRYSTAL FILTER PRESET FREQUENCIES: NONE ANTENNA: TUNING: (MO OR XTAL) DOES NOT APPLY SENSITIVITY: 1 MICROVOLT INPUT TO RECEIVER. SELECTIVITY: VARIABLE POWER SOURCE: 115/230 VOLT 50 - 60 CYCLES AC SIMILAR SETS: SCR-244 POWER OUTPUT: (WATTS) DOES NOT APPLY. TUBES: (TYPE AND NUMBER) 1 VT-65; 3 VT-66; 3 VT-86; 1 VT-87; 2 VT-90; 1 VT-91; 1 VT-96; 1 VT-116; 3 VT-117.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: INTERCEPT RECEIVER FOR COMMUNICATION AND MONITORING PURPOSES. RANGE: DOES NOT APPLY. TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: IN VEHICLE OR PLANE. TYPE OF SIGNAL: AM & CW.				CHANGE IN STATUS:					
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)													
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION								
	HEIGHT	WIDTH	DEPTH										
RADIO RECEIVER BC-794	12.25"	23"	16.5"	70#									
POWER SUPPLY UNIT RA-94	8.25"	13"	8.5"	39#									
COMBINED WEIGHT OF COMPONENTS:				109#									
COMBINED VOLUME OF COMPONENTS:													
SHIP TONNAGE:													

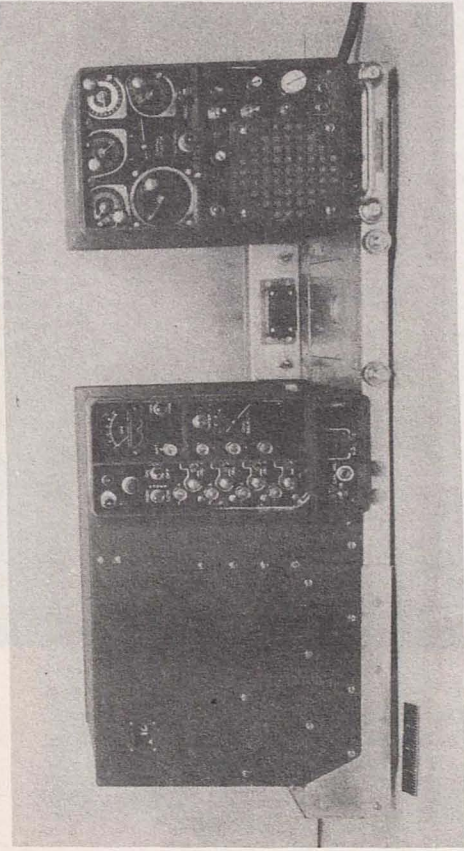
RADIO SET SCR-704. FRONT VIEW, SHOWING COMPONENTS

INSTRUCTIONAL LITERATURE:	STATUS:	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:						
	CHANGE IN STATUS:								
		SCR-714							
		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)						
		FREQUENCY RANGE: (MC) 3.8 - 6 (RECEIVER ONLY) NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: LONG WIRE TUNING: (MO OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 V VEHICLE BATTERY OR HAND GENERATOR. SIMILAR SETS: POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) <table style="margin-left: 40px;"> <tr><td>4</td><td>1T4</td></tr> <tr><td>1</td><td>1R5</td></tr> <tr><td>1</td><td>1S5</td></tr> <tr><td>1</td><td>3Q4</td></tr> </table>	4	1T4	1	1R5	1	1S5	1
4	1T4								
1	1R5								
1	1S5								
1	3Q4								
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)									
		ITEM	DIMENSIONS	WEIGHT	CLASSIFICATION				
			HEIGHT	WIDTH	DEPTH				
		RADIO RECVR. BC-1137-A MOUNTING FT-382	14"	9"	5"	RESTRICTED			
		COMBINED WEIGHT OF COMPONENTS:							
		COMBINED VOLUME:							
		SHIP TONNAGE:							

RADIO SET SCR-714-AW. FRONT VIEW. SPARE TUBE COMPARTMENT REMOVED

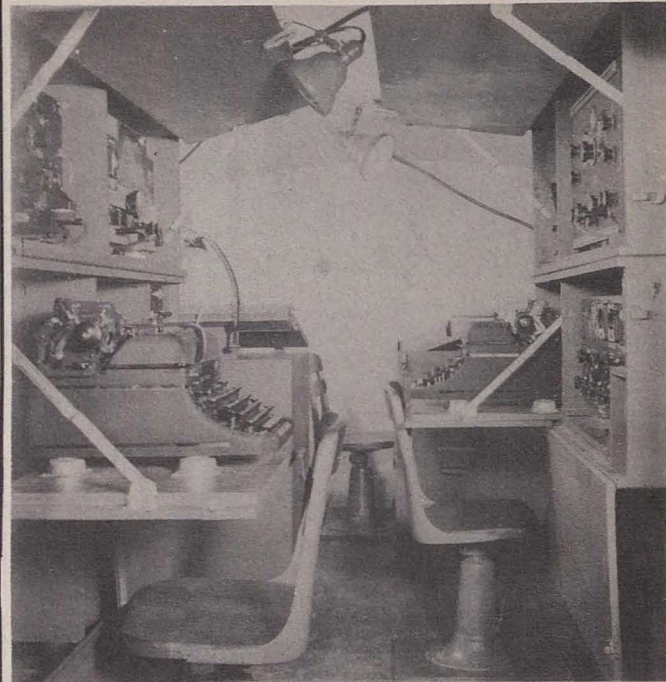
NO MILITARY REQUIREMENT ADVANCED FOR THIS SET. RECEIVER IS SAME AS USED IN DEVELOPMENT MODEL OF RADIO SET SCR-694, AND WAS PROCURED IN SMALL QUANTITY FOR SPECIAL PURPOSE AS RADIO SET SCR-714-AW.

SCR-808		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.			STATUS:	STANDARD 10 JUL 42	INSTRUCTIONAL LITERATURE: TM 11-601																																											
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)			CHANGE IN STATUS:																																													
<p>FREQUENCY RANGE: (Mc) 27.0 - 38.9.</p> <p>NUMBER OF CRYSTALS: 2(1 PER RECOVR.).</p> <p>PRESET FREQUENCIES: ANY 4 OF 120 AVAILABLE.</p> <p>ANTENNA: SECTIONAL MAST TYPE. VEHICULAR.</p> <p>TUNING: (MO OR XTAL) MO</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: VEHICULAR BATTERY 12 OR 24 V.</p> <p>SIMILAR SETS: SCR-708; SCR-828.</p> <p>POWER OUTPUT: (WATTS) 35</p> <p>TUBES: (TYPE AND NUMBER) BC-923- RECOVR; 4 TYPE 6 A C 7; 2 TYPE 6SJ7 SPL.; 2 TYPE 12SA7; 4 TYPE 12SG7; 4 TYPE 12SJ7; 2 TYPE 6H6; 4 TYPE 6SL7GT; 2 TYPE 6V6GT; 2 TYPE VR15030; 6 TYPE 12SC7. BC-924- TRANS; 2 TYPE 6SJ7 SPL.; 1 TYPE VR-150-30; 1 TYPE 6AG7; 2 TYPE 815; 1 TYPE 6J5; 1 TYPE 6SL7GT; 1 TYPE 6V6GT.</p>			<p>USE: COMPANY AND HIGHER COMMANDERS. TANK DESTROYER COMMAND. FIELD ARTILLERY.</p> <p>RANGE: (MILES) 10 MILES IN OPEN VEHICLE, MOVING; 5-7 MILES IN TANKS MOVING.</p> <p>TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610; SCR-628; 10 CHANNELS TO BE COMMON WITH SCR-508; SCR-509; SCR-510.</p> <p>TO REPLACE IN PART: SCR-608.</p> <p>TRANSPORTATION: MOTOR VEHICLE IN WHICH IT IS INSTALLED.</p> <p>TYPE OF SIGNAL: FM; VOICE ONLY.</p>			<p>RADIO SET SCR-808. INSTALLED IN DODGE TRUCK, 3/4-TON 4 X 4 COMMAND (RADIO)</p> <p>RADIO SET SCR-808, IS SIMILAR TO RADIO SET SCR-608, FOR WHICH SET IT IS A CRYSTAL SAVER. RADIO SET SCR-808, INCLUDES RECEIVER BC-923 AND TRANSMITTER BC-924, IN PLACE OF BC-683 AND BC-684, RESPECTIVELY. SET IS CRYSTAL CALIBRATED, TRAINING ONLY ONE CRYSTAL PER RECEIVER BY OF THE 820 CRYSTALS USED IN SCR-608. IT IS A VEHICULAR SET FOR OPERATION ON WHEELS TO PERSONS WHO ARE NOT RADIO SPECIALISTS. COMPONENTS COMPATIBLE IN SIZE AND WEIGHTS TO THOSE OF RADIO SET SCR-608 FOR WHICH SCR-808 IS A CALIBRATION CIRCUIT. RESULTING FROM MO OPERATION, USING CRYSTAL IN CALIBRATION CIRCUIT.</p>																																													
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>1 RADIO TRANS. BC-924</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2 RADIO RECOVR. BC-923</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 MOUNTING FT-237</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="5">COMBINED WEIGHT OF COMPONENTS:</td> <td>225#(APPROX.)</td> </tr> <tr> <td colspan="5">COMBINED VOLUME:</td> <td>14 1/2" 34" 14"</td> </tr> <tr> <td colspan="5">SHIP TONNAGE:</td> <td></td> </tr> </tbody> </table>		ITEM			DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	1 RADIO TRANS. BC-924						2 RADIO RECOVR. BC-923						1 MOUNTING FT-237						COMBINED WEIGHT OF COMPONENTS:					225#(APPROX.)	COMBINED VOLUME:					14 1/2" 34" 14"	SHIP TONNAGE:					
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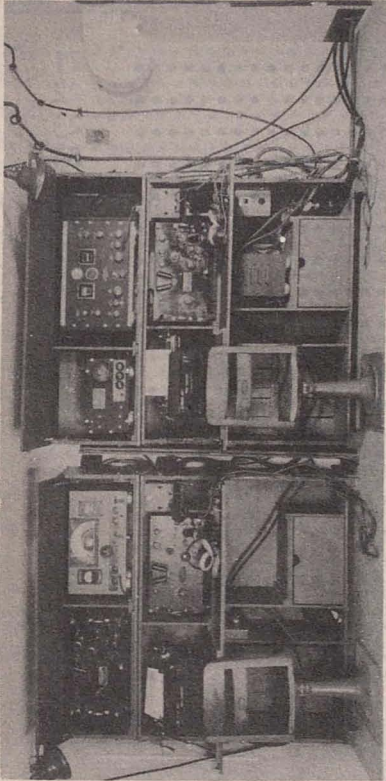
INSTRUCTIONAL LITERATURE: TM 11-601	STATUS: CHANGE IN STATUS:	STANDARD 10 JUL 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: <h1 style="margin: 0;">SCR-828</h1>			
		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)			
		FREQUENCY RANGE: (Mo) 27 - 38.9 NUMBER OF CRYSTALS: 1 (XTAL CALIB.) PRESET FREQUENCIES: 4 ANTENNA: SECTIONAL MAST TYPE, VEHICULAR. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY:		USE: FA: PLATOON COMMANDERS; TANK DESTROYER UNITS. RANGE: (MILES) 5-7 IN TANKS; 10 MILES IN OPEN VEHICLES. TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610; SCR-628. TO REPLACE IN PART: SCR-628. TRANSPORTATION: VEHICLE TYPE OF SIGNAL: VOICE (F.M.)			
		POWER SOURCE: 12 or 24V. VEHICLE BATTERY. DYNAMOTOR DM-64 & DM-65 FOR 12V INPUT WITH RECVR. & TRANS. RESPECTIVELY. DYNAMOTOR DM-66 & DM-47 FOR 24V INPUT WITH RECVR. & TRANS. RESPECTIVELY. SIMILAR SETS: SCR-728 POWER OUTPUT: (WATTS) 35 TUBES: (TYPE AND NUMBER) SCR-828; 2-6AC-7/1852; 3-6SJ7SP; 1-12 SA7; 2-12SQ 7; 2-12SJ7; 1-6H6; 3-6SL 7GT; 2-6V6GT; 2-VR150.30; 3-12-SC 7; 1-6AG7; 2-815; 1-6J5.					
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)							
		ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
			HEIGHT	WIDTH	DEPTH		
		RADIO TRANS. BC-924	14 "	34"	14 1/2"		
		RADIO RECVR. BC-923					
		MOUNTING FT-237					
		COMBINED WEIGHT OF COMPONENTS:					
		COMBINED VOLUME:					
		SHIP TONNAGE:					

RADIO SET SCR-828. MOUNTED ON BASE FT-237
 MASTER OSCILLATOR VERSION OF SCR-628. SEE SCR-608.

TC-8		NOMENCLATURE DESIGNATION		STATUS:		INSTRUCTIONAL LITERATURE: STI ON TC-8 T 1	
(CLASSIFICATION: UNCLASSIFIED)				CHANGE IN STATUS:			
<p style="text-align: center;">RADIO DIRECTION FINDER CENTRAL TC-8.</p> <p>EQUIPMENT CONTAINED IN 2 SHELTERS HO-27 EACH CARRIED BY CARGO TRUCK, 2 1/2 TON 6X6 FOR PURPOSE OF COORDINATION AND PLOTTING INFORMATION RECEIVED BY RADIO AND WIRE FROM DIRECTION FINDER STATIONS.</p> <p>INCLUDES RADIO RECEIVING APPARATUS, TELEPHONE SWITCHBOARD, PLOTTING BOARD, AND INTERCOMMUNICATION AND MONITORING SYSTEM. RADIO DIRECTION FINDERS ARE NOT INCLUDED WITH THIS CENTRAL BUT ARE USED WITH IT.</p>							
PRINCIPAL COMPONENTS (CLASSIFICATION:)							
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION		
	HEIGHT	WIDTH	DEPTH				
SHELTERS (2 EACH) HO-27	66.5"	74"	138"	1750 #			
RECEIVER BC-342 (2 EACH)	9.75"	18"	9"	46 #			
RECEIVER BC-344 (1 EACH)	9.75"	18"	9"	46 #			
RECEIVER BC-787 (1 EACH)	9.5 "	19"	14.25"	63 #			
RECEIVER BC-794 (1 EACH)	12.25"	23"	16.5"	70 #			
RECEIVER BC-969 (1 EACH)	10 "	19"	19"	80 #			
TAPE RECORDER BC-1016	10.25"	19.25"	14.75"	80 #			
VOICE RECORDER (DIOTAPHONE) TCB-2P	12 "	29"	14"	98 #			
VOICE REPRODUCER (DIOTAPHONE) TCB-TU	14 "	14"	17"	80 #			
SWITCHBOARD BD-72	13.25"	25.5"	9.5	72 #			
INTERCOMMUNICATION SYSTEM RC-238							
COMBINED WEIGHT OF COMPONENTS:							
COMBINED VOLUME OF COMPONENTS:							
SHIP TONNAGE:							



RADIO D/F CENTRAL TC-8 SHOWING OPERATING POSITIONS.
HOUSED IN SHELTER HO-27.

INSTRUCTIONAL LITERATURE: ST1 ON TC-9 T1	STATUS: CHANGE IN STATUS:			NOMENCLATURE DESIGNATION: TC-9																																																																											
 <p data-bbox="721 483 768 1130" style="writing-mode: vertical-rl; transform: rotate(180deg);">RADIO INTERCEPT CONTROL TC-9 SHOWING OPERATING POSITIONS, HOUSED IN ONE SHELTER HO-27.</p>		(CLASSIFICATION: UNCLASSIFIED) RADIO INTERCEPT CENTRAL TC-9. EQUIPMENT CONTAINED IN 3 SHELTERS. HO-27 EACH CARRIED BY TRUCK, CARGO, 2 1/2 TON 6X6 FOR PURPOSE OF INTERCEPTING, RECORDING, INTERPRETING, RADIO COMMUNICATIONS. CONSISTS OF RADIO RECEIVERS, RECORDERS, SWITCHBOARD, ANTENNA, INTERCOMMUNICATION AND MONITORING SYSTEM.																																																																													
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SCR-566	89	SCR-637	110
SCR-567	90	SCR-642	111
SCR-572	91	SCR-643	112
SCR-573	92	SCR-644	113
SCR-574	93	SCR-645	114
SCR-575	94	SCR-694	115
SCR-578	95	SCR-704	116
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RESTRICTED