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TM 11-227

WAR DEPARTMENT TECHNICAL MANUAL

SIGNAL COMMUNICATION
EQUIPMENT DIRECTORY

RADIO COMMUNICATION EQUIPMENT

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WAR DEPARTMENT

Original from 10 APRIL 1944
UNIVERSITY OF CALIFORNIA

WAR DEPARTMENT TECHNICAL MANUAL
TM 11-227 • RESTRICTED

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.

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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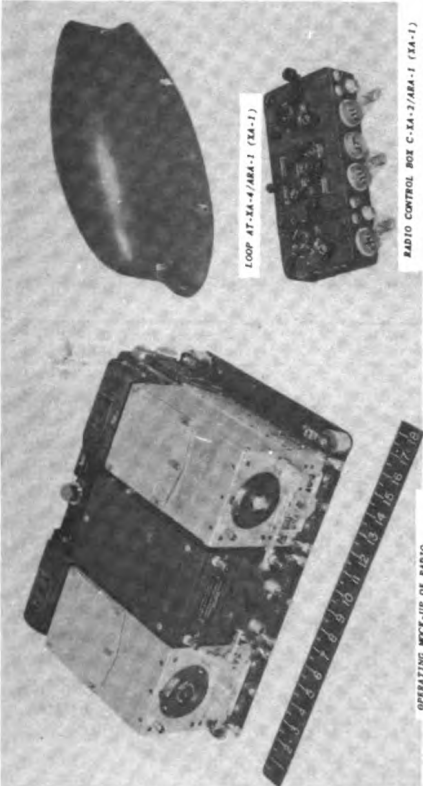
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(AIRCRAFT RADIO: RADIO NAVIGATION.)

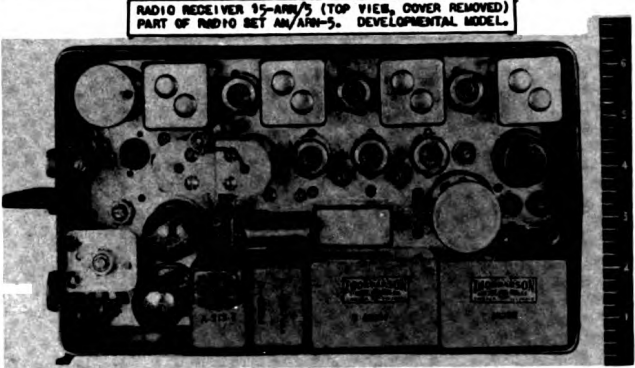

INSTRUCTIONAL LITERATURE:	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: AN/ARA-1																																																				
	CHANGE IN STATUS:		<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>FREQUENCY RANGE: (Mc) .190 -1.5</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES: NONE</p> <p>ANTENNA: FIXED OR ROTATABE 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>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</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>																																																				
 <p>LOOP AT-3A-4/ARA-1 (XA-1)</p> <p>RADIO CONTROL BOX C-3A-3/ARA-1 (XA-1)</p> <p>COMPONENTS OF RADIO COMPASS ADAPTER AN/ARA-1(XA-1) MODULATOR UNIT MD-XA-1/ARA-1(XA-1) SHOWN MOUNTED BETWEEN MODIFIED RECEIVERS OF RADIO SET SCR-274-N</p> <p>OPERATING MAKE-UP OF RADIO COMPASS ADAPTER AN/ARA-1 (XA-1) (RECEIVING GROUP)</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>COMPASS MODULATOR</td> <td></td> <td></td> <td></td> <td>7.0#</td> <td></td> </tr> <tr> <td>INDICATOR 1-75-A</td> <td></td> <td></td> <td></td> <td>1.87#</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>INDICATOR 1-65-A</td> <td></td> <td></td> <td></td> <td>1.75#</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>CONTROL BOX</td> <td></td> <td></td> <td></td> <td>3.00#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td colspan="2">14# (APPROXIMATE)</td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS:</td> <td colspan="2">400 CU. IN.</td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td colspan="2"></td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	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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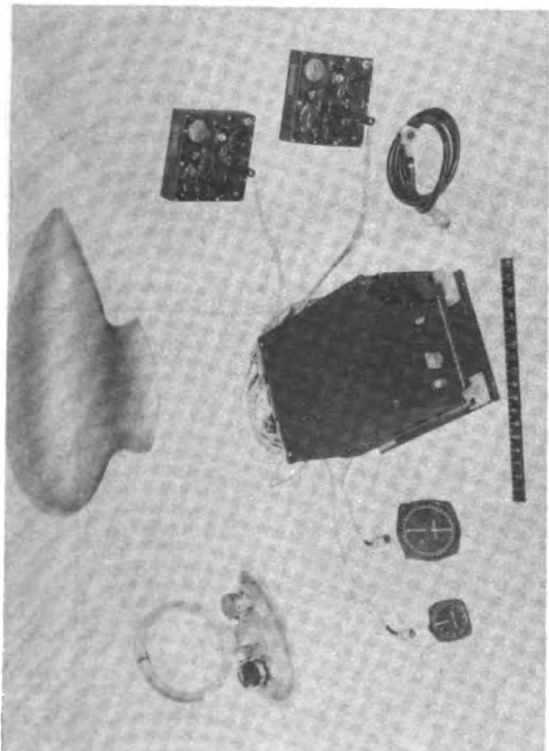
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PAGE 1

(AIRCRAFT RADIO: RADIO NAVIGATION.)

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<h1>AN/ARN-5</h1>		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	INSTRUCTIONAL LITERATURE:																																	
<p style="text-align: center;">PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>FREQUENCY RANGE: (MO) 335</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES: ONE</p> <p>ANTENNA: AS-27/ARN-5</p> <p>TUNING: (MO OR XTAL)</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 24 V. AIRCRAFT BATTERY.</p> <p>SIMILAR SETS: NONE.</p> <p>POWER OUTPUT: (WATTS) NONE.</p> <p>TUBES: (TYPE AND NUMBER) (TENTATIVE) (BENDIX MODEL) 2-12AH7GT; 1-2BD7; 1-955. (CROSBLEY MODEL) 1-125R7GT; 2-125N7GT; 1-2BD7; 8-6AK5. (EMERSON MODEL) 1-6SL7GT; 1-125N7GT; 1-2BD7; 1-955.</p>		<p style="text-align: center;">PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>USE: AIRBORNE SLIDE PATH RECEIVER FOR GIVING PILOT VERTICAL GUIDANCE FOR INSTRUMENT APPROACH OR LANDING.</p> <p>RANGE:</p> <p>TO COMMUNICATE WITH: AN/CRN-2</p> <p>TO REPLACE IN PART: AN/ARN-5 IS A PART OF A SYSTEM WHICH REPLACES SCR-241.</p> <p>TRANSPORTATION: AIRBORNE</p> <p>TYPE OF SIGNAL: MCW, VOICE</p>		CHANGE IN STATUS:	<div style="text-align: center;"> <p>RADIO RECEIVER R-15/ARN-5 (TOP VIEW, COVER REMOVED) PART OF RADIO SET AN/ARN-5. DEVELOPMENTAL MODEL.</p>  </div> <div style="text-align: center;"> <p>RADIO RECEIVER R-15/ARN-5. PART OF RADIO SET AN/ARN-5. DEVELOPMENTAL MODEL.</p>  </div>																																		
<p style="text-align: center;">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>RADIO RECEIVER, R-15/ARN-5; R-47/ARN-5 OR R-57/ARN-5</td> <td>6-1/2"</td> <td>6"</td> <td>8"</td> <td>8#</td> <td></td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td>10# APPROX.</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, 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:					
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																		
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COMBINED VOLUME OF COMPONENTS:																																							
SHIP TONNAGE:																																							

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)				
			FREQUENCY RANGE: (Mc) .100 to 1.750 NUMBER OF CRYSTALS: PRESET FREQUENCIES: ANTENNA: LOOP, FIXED OR ROTATABLE, WITH REMOTE INDICATION OF LOOP POSITION. (DUAL REMOTE CONTROL AND ONE SET OF LOCAL CONTROLS.) TUNING: (MD OR XTAL) SENSITIVITY: 50 MICROVOLTS/METER. SELECTIVITY ----		USE: AUTOMATIC RADIO COMPASS SIMILAR TO SCR-269 PRIMARILY USED FOR NAVIGATION. INSTALLED IN AIRPLANES. RANGE (MILES) TO COMMUNICATE WITH:		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.) TRANSPORTATION: AIRBORNE INSTALLATION TYPE OF SIGNAL: CW - MCW AND VOICE.		
			POWER SOURCE: 2 1/2 VOLTS DC SIMILAR SETS: SCR-269 (AN/ARN-6 IS TO BE SMALLER THAN RADIO SET SCR-269) POWER OUTPUT (WATTS) NONE TUBES: (TYPE AND NUMBER) TUBE DATA NOT AVAILABLE AT PRESENT.						
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)						
RADIO COMPASS AN/ARN-6			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, MAXIMUM			
SHIP TONNAGE:									

✻ AN/ARN-7

NOMENCLATURE DESIGNATION

NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.

STATUS:

*ARMY-NAVY-BRITISH STANDARD BY J.A.C. CASE #205.

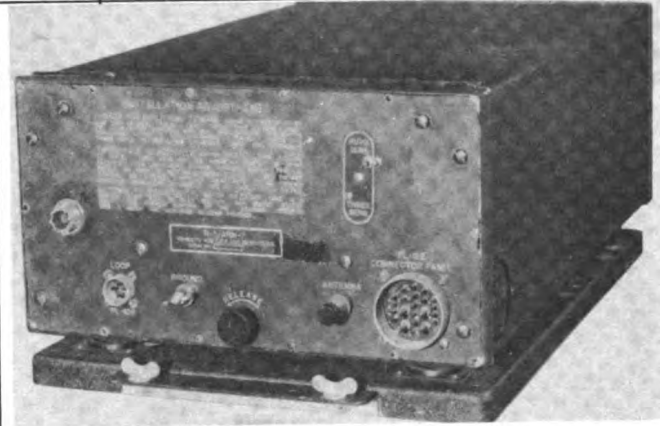
INSTRUCTIONAL LITERATURE:

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)

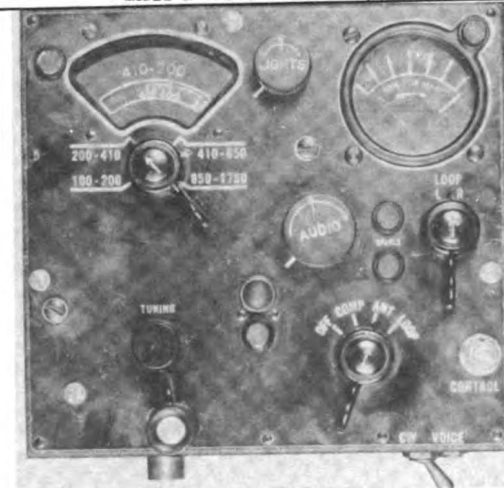
USE: AIRBORNE AUTOMATIC DIRECTION-FINDER. GIVES AUTOMATIC BEARING INDICATION OF THE DIRECTION OF ARRIVAL OF RADIO FREQUENCY ENERGY. ALSO AURAL RECEPTION OF CW, MCW, OR VOICE ON LOOP OR ANTENNA.
 RANGE: ACCURATE BEARINGS TO ABOUT 100 MILES DAYTIME. SUBJECT TO NIGHT EFFECT ERRORS.
 TO COMMUNICATE WITH:
 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

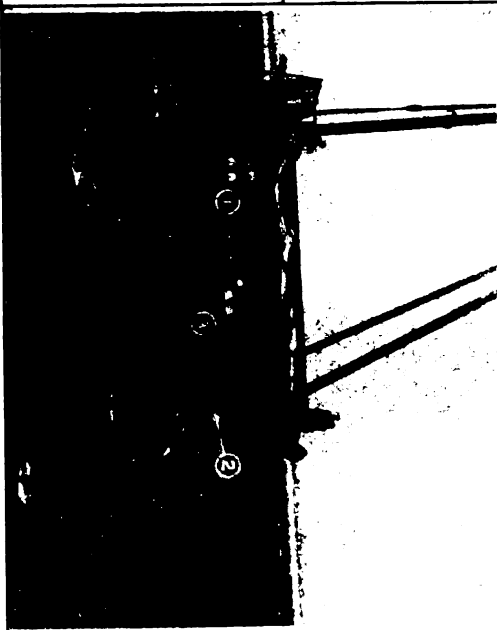
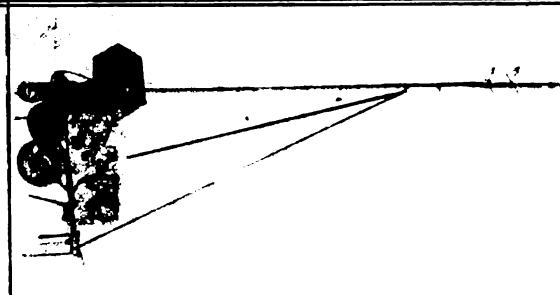
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)

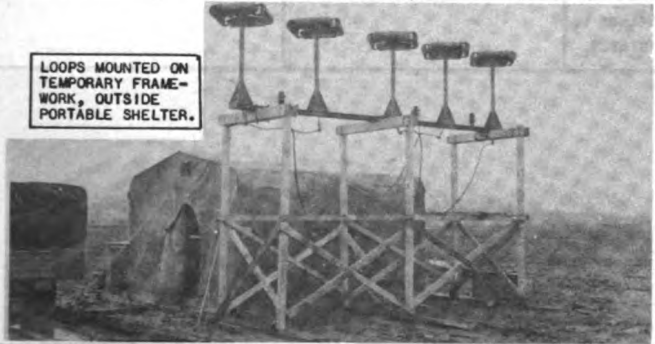
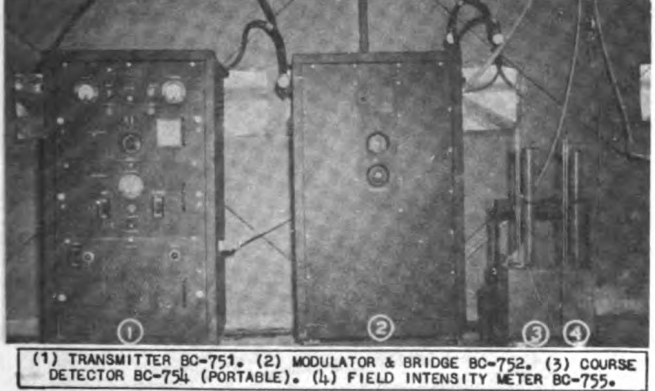

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
1 RADIO COMPASS UNIT	7 7/8"	12"	19 13/16"		RESTRICTED
2 RADIO CONTROL BOX	7 1/2"	7 1/2"	3 15/16"	3.76#	RESTRICTED
1 LOOP LP-21	25 3/8"	14 31/32"	9"	10.37#	UNCLASSIFIED
1 INDICATOR I-81	3 1/4"	3 1/4"	3 11/16"	.75#	UNCLASSIFIED
1 INDICATOR I-82	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	

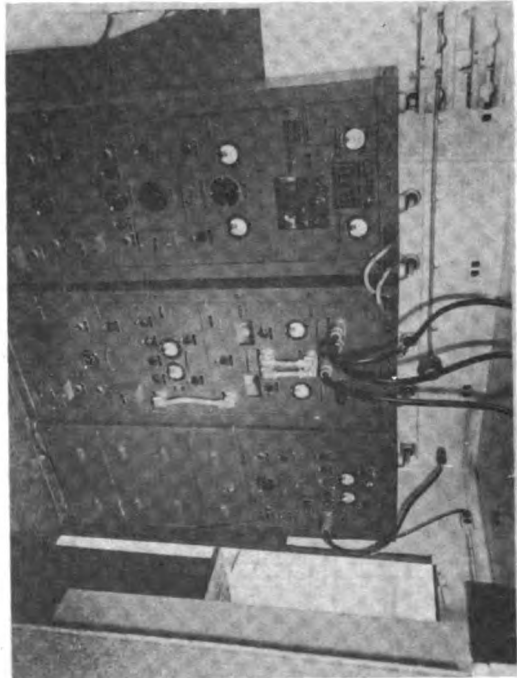


FRONT PANEL VIEW OF RADIO CONTROL BOX #C-4/ARN-7 PART OF DEVELOPMENTAL MODEL OF RADIO COMPASS #AN/ARN-7

INSTRUCTIONAL LITERATURE: STATUS: CHANGE IN STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	<h1 style="margin: 0;">AN/CRN-1</h1>																																															
		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																														
		FREQUENCY RANGE: (Mc) 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 THEN SINKS. RANGE: 50 MILES OVER SEA WATER. TO COMMUNICATE WITH: SCR-269 TO REPLACE IN PART: TRANSPORTATION: AIR TYPE OF SIGNAL: C. W.																																														
<p>PARACHUTE MX-91/CRN-1; PART OF RADIO TRANSMITTING EQUIPMENT AN/CRN-1</p> <p>(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.</p> <p>RADIO TRANSMITTING EQUIPMENT AN/CRN-1 (SIDE VIEW, CONTAINERS EXTENDED). (1) ANTENNA. (2) DELAYED TIMER CONTROL KNOB. (3) INNER CONTAINER. (4) OUTER CONTAINER.</p>		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																																
		<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>RADIO TRANSMITTER T-2/CRN - 1</td> <td>4' *</td> <td>8" DIAMETER</td> <td></td> <td></td> <td>RESTRICTED</td> </tr> <tr> <td>BATTERY BA-201/CRN-1</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td colspan="6" style="text-align: center;">* HEIGHT OF TRANSMITTER NOT EXTENDED.</td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td>35#</td> <td></td> <td></td> <td></td> </tr> <tr> <td>COMBINED VOLUME OF COMPONENTS:</td> <td></td> <td>1.5 cu. ft.</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 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:							
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SHIP TONNAGE:																																																		

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>1-6J5</td><td>1-8298</td></tr> <tr><td>2-6S47</td><td>1-832</td></tr> <tr><td>1-6BK7</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>		1-6J5	1-8298	2-6S47	1-832	1-6BK7	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:			
1-6J5	1-8298																		
2-6S47	1-832																		
1-6BK7	2-836																		
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ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION														
	HEIGHT	WIDTH	DEPTH																
(NOT YET DEFINITELY DETERMINED)																			
COMBINED WEIGHT OF COMPONENTS:																			
COMBINED VOLUME:																			
SHIP TONNAGE:																			

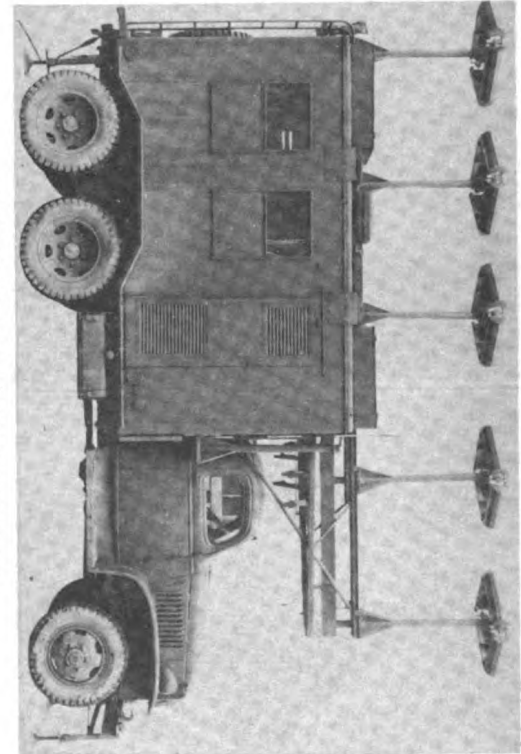
INSTRUCTIONAL LITERATURE: AN-08-10-183 (H/1)	STATUS:	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: AN/CRN-3																																																																																																																																		
 <p>LOOPS MOUNTED ON TEMPORARY FRAME-WORK, OUTSIDE PORTABLE SHELTER.</p>		<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>FREQUENCY RANGE: (Mc) 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; 1-6SN70T; 1-5V4G; 4-836; 2-VR-150-30; 1-BC-752 COURSE DETECTOR; 1-9002; 1-6SF5; 1-6K6GT; 1-6X90T; 1-BC-754 COURSE DETECTOR; 1-1R5; 1-957; 2-1LN 5; 1-135; 1-334; 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>																																																																																																																																			
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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 - 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) ONE 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" style="margin-left: 20px;"> <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>2-135</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	2-135	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																					
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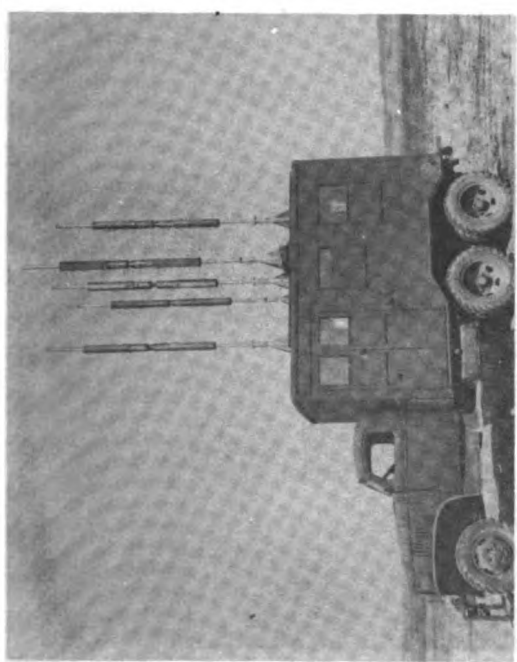
RADIO SET AN/CRN-5 TRANSMITTING EQUIPMENT

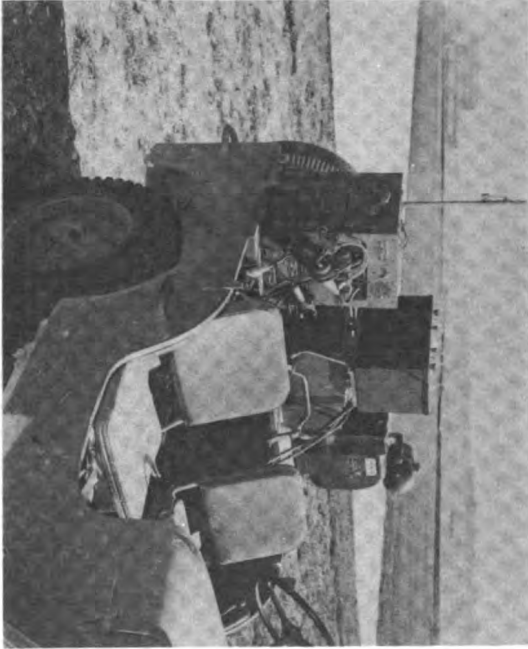
AN-MRN-1		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS: STANDARD 3 JUL 42	INSTRUCTIONAL LITERATURE: AN-08-10-183 (HMI)
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 108.3-110.3 NUMBER OF CRYSTALS: ONE PRESET FREQUENCIES: 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; 2-1LN 5; 1-TS; 1-384. 1-BC-755 INDICATOR BOX: 2-1 S 5; 1-BC-777 INTENSITY METER: 1-6H6; 2-6SC7.			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-105 TO REPLACE IN PART: SCR-241 TRANSPORTATION: TRUCK TYPE OF SIGNAL: CW AND MCW, AND VOICE.		CHANGE IN STATUS:	
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:						

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)



RADIO SET AN/MRN-1 INSTALLED IN TRUCK K-53

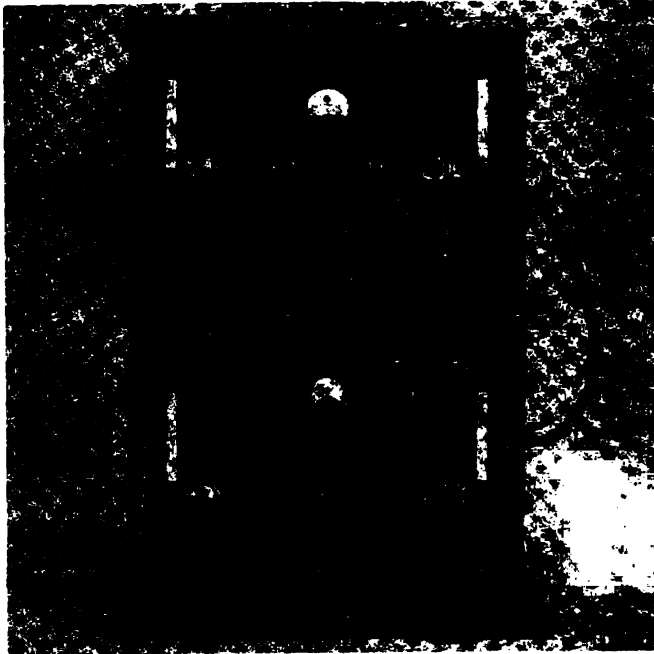
INSTRUCTIONAL LITERATURE:	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	<h1>AN/MRN-2</h1>																		
	CHANGE IN STATUS:		<p style="text-align: center;">PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>FREQUENCY RANGE: (Mc) 100 - 156 TUNES OVER 5 Mc. BAND.</p> <p>NUMBER OF CRYSTALS: UNDER DEVELOPMENT.</p> <p>PRESET FREQUENCIES: NOT YET DETERMINED.</p> <p>ANTENNA: VERTICALLY POLARIZED</p> <p>TUNING: (MO OR XTAL) XTAL</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 115 VOLT 60 CYCLE SINGLE PHASE. GENERATOR CAPACITY 2 KVA-AC AND 6 VOLT 20 AMP. DC.</p> <p>SIMILAR SETS: AN/CRN-5</p> <p>POWER OUTPUT: (WATTS) CONE OF SILENCE 25 WATTS (ARL-117-1) RADIO TRANS. 100 WATTS CARRIER & 50 WATTS SIDE BAND ARL -119.</p> <p>TUBES: (TYPE AND NUMBER)</p> <table style="margin-left: 20px;"> <tr><td>1-6AC7</td><td>4-6SN7GT</td><td>2-829</td></tr> <tr><td>1-6BB</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>4-607</td><td></td></tr> </table>		1-6AC7	4-6SN7GT	2-829	1-6BB	2-6V6VT	2-832	3-6H6	3-6X5GT	6-836	1-6J5	1-1S5	1-VR150	2-6SJ7	1-957		1-6SK7	4-607		<p style="text-align: center;">PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>USE: PORTABLE U.H.F. RADIO TWO COURSE AURAL RADIO RANGE WITH STATION IDENTIFICATION, PERIODIC QUADRANT IDENTIFICATION, AND SIMULTANEOUS PHONE TRANSMISSION.</p> <p>RANGE: (MILES) 80</p> <p>TO COMMUNICATE WITH: SCR-522</p> <p>TO REPLACE IN PART: SCR-277</p> <p>TRANSPORTATION: TRUCK</p> <p>TYPE OF SIGNAL: CW; MCW, AND VOICE.</p>
1-6AC7	4-6SN7GT	2-829																					
1-6BB	2-6V6VT	2-832																					
3-6H6	3-6X5GT	6-836																					
1-6J5	1-1S5	1-VR150																					
2-6SJ7	1-957																						
1-6SK7	4-607																						
 <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;">PHOTODUPLICATION SECTION AIRCRAFT RADIO LABORATORY, WRIGHT FIELD, OHIO</p>			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																				
			ITEM			DIMENSIONS			WEIGHT	CLASSIFICATION													
			(NOT YET DEFINITELY DETERMINED)			HEIGHT	WIDTH	DEPTH															
			COMBINED WEIGHT OF COMPONENTS:																				
COMBINED VOLUME OF COMPONENTS:																							
SHIP TONNAGE:																							


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) FREQUENCY RANGE: (Mc) 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(524); 2-VT-139 (VR-150-30); 1-VT-188 (7E6); 2-VT-189, (7F7); 1-7N7; 5-7C5. SCR-610; 1-8C-659-A; Uses: 5-1LN5; 2-1291; 4-1299; 1-11M4; 1-1294; 1-LC6. 1 PE-117 Uses: 1 VR-90-30; 1 CK1005.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) 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.				CHANGE IN STATUS:			
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"							
COMBINED WEIGHT OF COMPONENTS:					250# PLUS	JEEP.					
COMBINED VOLUME OF COMPONENTS:											
SHIP TONNAGE:											

MARKER BEACON SET/AN/MRN-3 SET UP FOR OPERATION FROM TRUCK

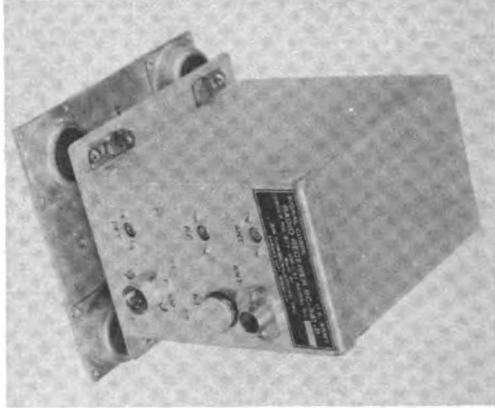
(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

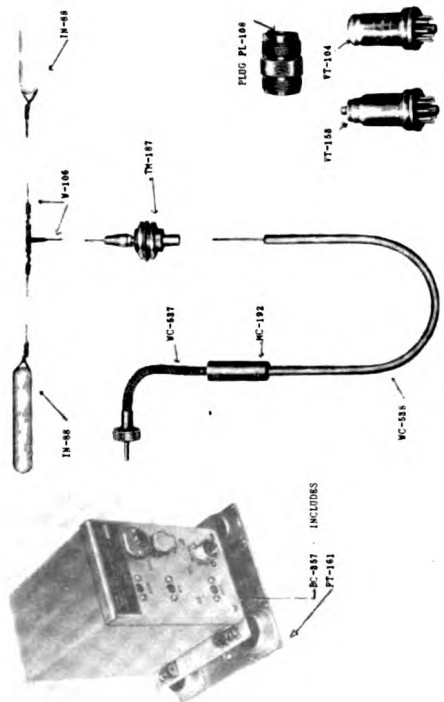
THIS SHEET IS CLASSIFIED: RESTRICTED

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) FREQUENCY RANGE: (Mc) 70 - 100 NUMBER OF CRYSTALS: BANK OF 16 PER SET PRESET FREQUENCIES: ONE ANTENNA: 3 ELEMENT HORIZONTAL ON 40 FT. MAST. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: 115/230 V, A.C., 50/60 CYCLES, SINGLE PHASE. SIMILAR SETS: AN/TRC-3 AN/TRC-4 POWER OUTPUT: (WATTS) 50 ON VOICE TUBES: (TYPE AND NUMBER) TRANS. T-14/TRC-1 RECVR. R-19/TRC-1 1 6SL7GT 7 7B7 3 6X4GT 8 6X4GT 4 6X5GT 9 6SL7GT 1 6J5GT 10 6V6GT 1 815 11 6J5GT 12 6X5GT				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: AIR FORCES, SIGNAL CORPS. RANGE: (MILES) 25 TO COMMUNICATE WITH: AN/TRC-1 TO REPLACE IN PART: F.M. LINK CO. COMMERCIAL MODEL 1498. TRANSPORTATION: VEHICLE TYPE OF SIGNAL: F.M.				CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)						 <p>RADIO RECEIVER R-19/TRC-1, AND RADIO TRANSMITTER T-14/TRC-1 PART OF RADIO SET AN/TRC-1</p> <p>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.</p>					
ITEM		DIMENSIONS			WEIGHT					CLASSIFICATION	
		HEIGHT	WIDTH	DEPTH							
TRANS. T-14/TRC-1		SEE REMARKS			64#					RESTRICTED	
RECVR. 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:											

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 MEGA-CYCLES (300 CHANNELS) NUMBER OF CRYSTALS: 964 (BANK OF 900 ON 300 FREQUENCIES PLUS 64 CRYSTALS ON 16 "BASIS" 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>2-5RLBY</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	2-5RLBY	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/TRM-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:		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 			
5-6AC7	3-6SN7GT																				
2-6H6	5-6V6GT																				
8-6SH7	1-6X5GT																				
2-5RLBY	1-829																				
3-6SL7GT																					
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																					
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.

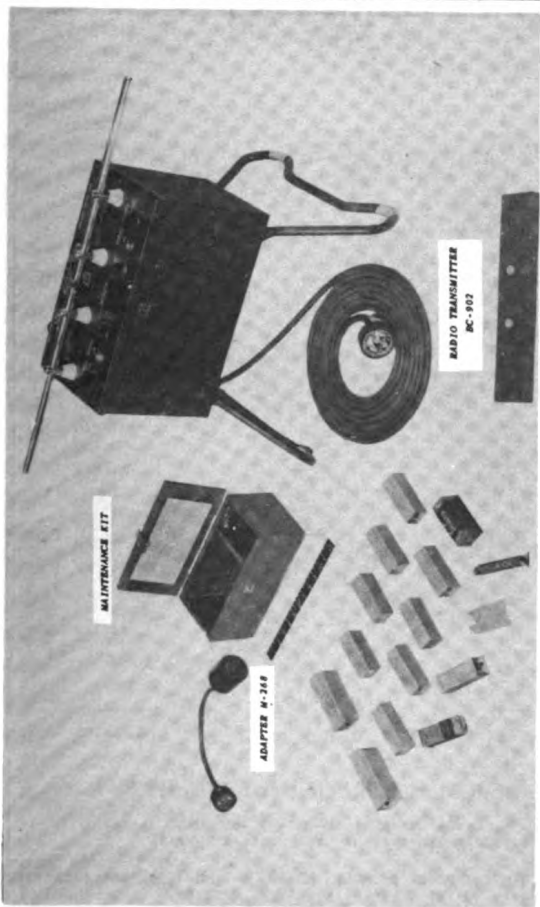
<h1>RC-39</h1>		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS: STANDARD 25 Oct 39		INSTRUCTIONAL LITERATURE: (HM) 08-10-29			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 62 to 80 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: 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	RADIO RECEIVER RC-391				
		HEIGHT	WIDTH	DEPTH							
RADIO RECEIVER RC-391		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:											

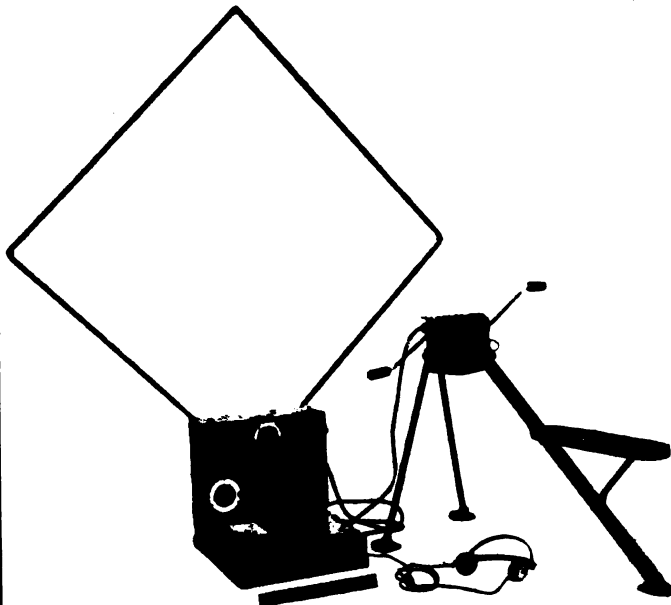
INSTRUCTIONAL LITERATURE: (HMI) 08-10-29	STATUS:	STANDARD 31 Oct 39	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: RC-43																																		
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)																																	
 <p style="text-align: center;">MARKER BEACON RECEIVING EQUIPMENT RC-43, COMPONENTS</p>			FREQUENCY RANGE: (Mo) 62 to 80 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: 75 Mo. 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		USE: To receive 75 Mo. 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.																																	
			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>RADIO RECEIVER BC-357</td> <td>5 3/8 "</td> <td>5 3/8 "</td> <td>3 7/16 "</td> <td>2.65 #</td> <td>UNCLASSIFIED</td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>4.50 #</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	RADIO RECEIVER BC-357	5 3/8 "	5 3/8 "	3 7/16 "	2.65 #	UNCLASSIFIED	COMBINED WEIGHT OF COMPONENTS:				4.50 #		COMBINED VOLUME OF COMPONENTS:						SHIP TONNAGE:					
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																	
	HEIGHT	WIDTH	DEPTH																																			
RADIO RECEIVER BC-357	5 3/8 "	5 3/8 "	3 7/16 "	2.65 #	UNCLASSIFIED																																	
COMBINED WEIGHT OF COMPONENTS:				4.50 #																																		
COMBINED VOLUME OF COMPONENTS:																																						
SHIP TONNAGE:																																						

(AIRCRAFT RADIO: RADIO NAVIGATION.)

THIS SHEET IS CLASSIFIED: RESTRICTED

RC-103		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD 4 Mar 43		INSTRUCTIONAL LITERATURE: TO OS-10-104, AND AN OS-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: 600 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 (12SQ7) 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)						<p style="text-align: center;"> RADIO RECEIVER BC-733 DYNAMOTOR DM-53 OR DM-53-Z RADIO CONTROL BOX BC-732 INDICATOR I-101 ANTENNA AN-100 PLUG PL-P257 PLUG PL-P256 PLUG PL-Q254 </p> <p style="text-align: center;"> PRINCIPAL COMPONENTS OF RADIO RECEIVING EQUIPMENT RC-103 OR RC-103-Z </p> <p style="text-align: center;"> <small>AIRCRAFT RADIO LABORATORY, WRIGHT FIELD, OHIO OFFICIAL PHOTOGRAPH - NOT FOR PUBLICATION</small> </p> <p style="text-align: right;"> <small>APL-8818-43</small> </p>							
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:													

INSTRUCTIONAL LITERATURE: (HMI)AN-08-10-176 (ON RC-115-A)	STATUS: CHANGE IN STATUS:	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	<h1 style="margin: 0;">RC-115</h1>																				
 <p style="text-align: center; margin-top: 10px;">COMPONENTS OF MARKER BEACON TRANSMITTING EQUIPMENT RC-115-A</p>		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mo) NONE NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: 75 MC. ANTENNA: ONE DIPOLE TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 115 V 50-60 CYCLES 110 WATTS SIMILAR SETS: NONE POWER OUTPUT: (WATTS) ONE TUBES: (TYPE AND NUMBER) <table style="margin-left: 20px; border: none;"> <tr><td>1</td><td>VT-74</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>7C5</td></tr> </table>	1	VT-74	(5Z4)	2	VT-139	(VR-150-30)	1	VT-188	(7E6)	2	VT-189	(7F7)	1		7N7	5		7C5	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: MARKER BEACON TRANSMITTER TO INDICATE SPOT ON GROUND TO AIRCRAFT. USED IN BLIND APPROACH OR INSTRUMENT LANDING. RANGE: 10,000 FEET STRAIGHT UP. TO COMMUNICATE WITH: RC-39, RC-43, RC-193, RC-193Z, AN/ARN-8. TO REPLACE IN PART: BC-302 TRANSPORTATION: PLANE OR ANY VEHICLE. TYPE OF SIGNAL: CW, MDW-400, 1300, 3000 CYCLES KEYS 6 DOTS PER SECOND OR 2 DASHES PER SECOND.		
		1	VT-74	(5Z4)																			
		2	VT-139	(VR-150-30)																			
1	VT-188	(7E6)																					
2	VT-189	(7F7)																					
1		7N7																					
5		7C5																					
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)																							
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:																							

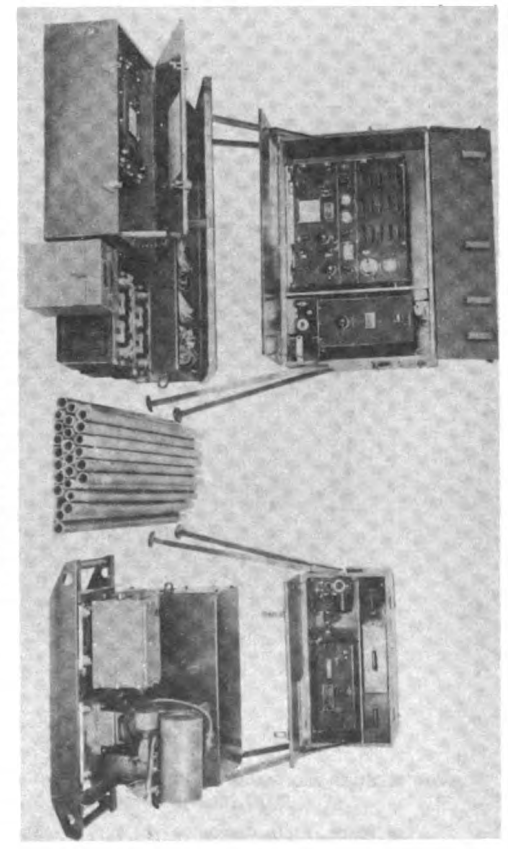
SCR-161		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS:	OBSOLETE 1 FEB 44	INSTRUCTIONAL LITERATURE: TM 11-237				
		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)		CHANGE IN STATUS:						
<p>FREQUENCY RANGE: (MC) TRANS. 4.37 TO 5.1.</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>ANTENNA: LOOP LP-7</p> <p>TUNING: (MO OR XTAL): MO</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCES: TRANS.- HAND GENERATOR REOVR.- DRY BATTERY 4-1/2 & 45 v.</p> <p>SIMILAR SOURCE: SCR-131 (DIFFERENT FREQUENCY)</p> <p>POWER OUTPUT: (WATTS) 5</p> <p>TUBES: (TYPE AND NUMBER) 1 BC-151 TRANS.-REOVR. 1 - TYPE 10 VT-25 3 - TYPE 864 VT-24</p>		<p>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. REST. Hq. BM. Hq.</p> <p>RANGE: (MILES) 5</p> <p>TO COMMUNICATE WITH: SCR-161, SCR-288 AND SCR-245.</p> <p>TO REPLACE IN PART: SCR-77-B AND 105.</p> <p>TRANSPORTATION: CARRIED IN VEHICLE, TWO-MAN PACK, OR HORSE PACK.</p> <p>TYPE OF SIGNAL: CW ONLY.</p>		 <p>RADIO SET SCR-161 IN OPERATING POSITION</p> <p>LOW POWER, PORTABLE COMMUNICATION SET, REPLACED BY SCR-288.</p>								
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#								

(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

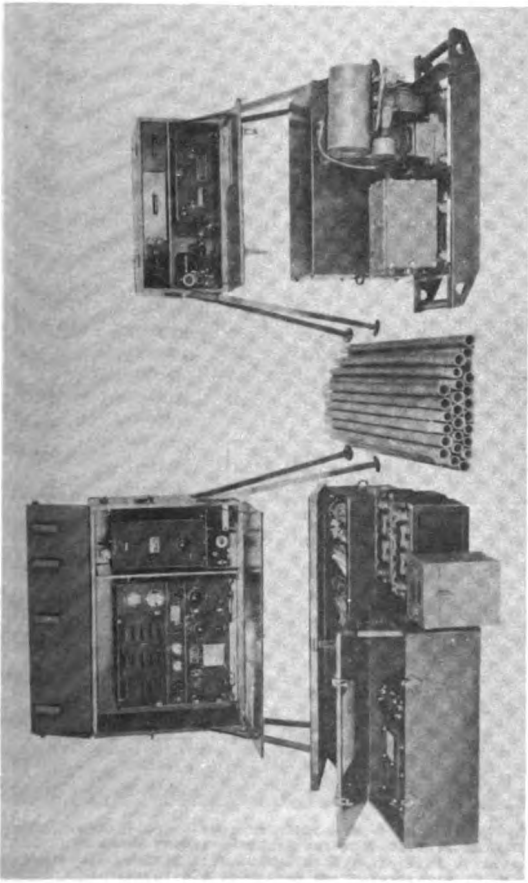
THIS SHEET IS CLASSIFIED: UNCLASSIFIED

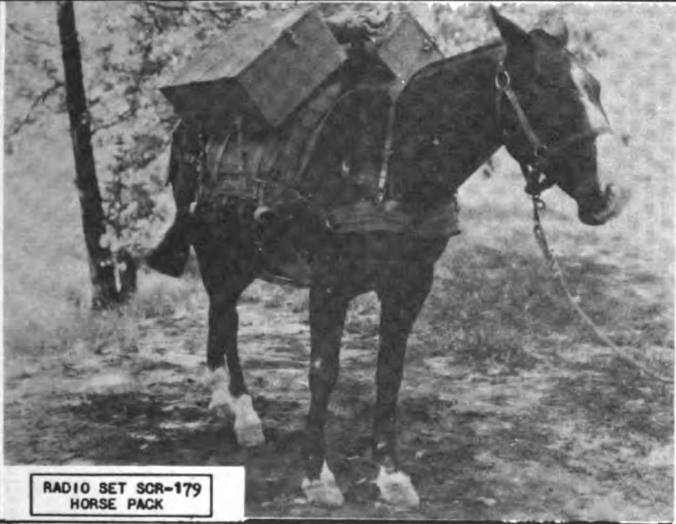

SCR-177		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD 26 Dec 33		INSTRUCTIONAL LITERATURE: TM 11-232			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mo) Trans: .4 to .8; 1.5 to 4.5 RECVR: .4 to 1.0; 1.5 to 4.5. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: CROW-FOOT .4 to .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 Co</u> : Sig Bn, Div Sig Co, R.I. Co, AA Rest Hq, AA Bn Hq Co. <u>CAC</u> : (TD) BHQ, Rest Hq, Bn Hq. <u>BY ARTY</u> : (HD) BHQ, Rest 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						UNCLASSIFIED							
RADIO RECVR. BC-189-A						UNCLASSIFIED							
POWER UNIT PE-49						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 "AM" MODEL DIFFERS FROM THE ORIGINAL IN THAT IT INCLUDES AN IMPROVED TRANSMITTER. 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 Mc. TO BE PARTIALLY REPLACED BY SCR-543, MEDIUM POWER GROUND SET. See SCR-177-B

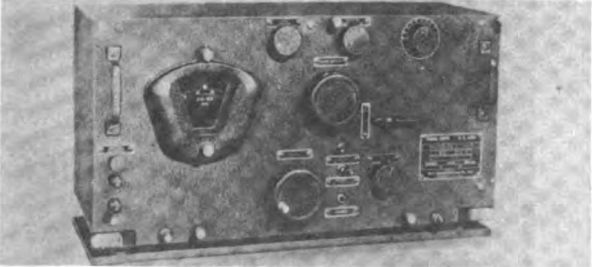


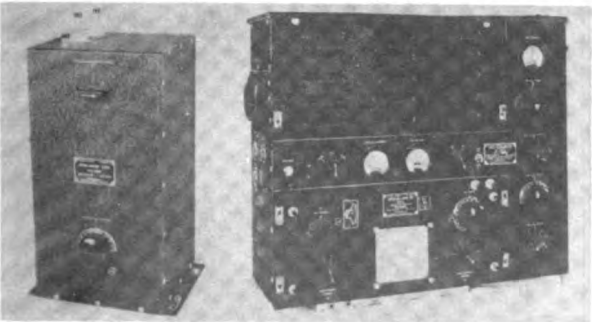
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INSTRUCTIONAL LITERATURE: TM 11-232	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-177-B																																																
	CHANGE IN STATUS:		<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (Mc) TRANS. .4 - .8; 1.5 - 4.5 RECVR. .15 - 18.0</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES: NONE</p> <p>ANTENNA: CROW-FOOT .4 TO .8 Mc/1.5 TO 4.5; INVERTED "L". AN-21-A, 22-A, 23, 25, 26 & 27.</p> <p>TUNING: (MO OR XTAL) MO</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: TRANS. PE-49; RECVR. DM-21, AND 12V BATTERY.</p> <p>SIMILAR SETS: SCR-188-A</p> <p>POWER OUTPUT: (WATTS) 75 @ 100% MOD.</p> <p>TUBES: (TYPE AND NUMBER) 4-6C5 2-6F6 8-6K7 2-6L7 2-6R7 1-10 4-211SPL</p>	<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: <u>Sig Co</u>: Sig Bn, Div Sig Co, R. I. Co, AA Rest Hq, AA Bn Hq Co. <u>CaC</u>: (TD) BHQ, Rest Hq, Bn Hq. <u>RY ARTY</u>: (HD) BHQ, Rest Hq, Bn Hq, BTRY (LTRD) AC.</p> <p>RANGE: (MILES) CW-100; TONE-70; VOICE-30.</p> <p>TO COMMUNICATE WITH: SCR-177-B; SCR-187; SCR-193; SCR-238-A; SCR-287-A.</p> <p>TO REPLACE IN PART: SCR-132-A; SCR-136; SCR-177-A.</p> <p>TRANSPORTATION: CARRIED IN VEHICLE, OPERATED ON GROUND.</p> <p>TYPE OF SIGNAL: CW; TONE; VOICE; A.M.</p>																																																
	<p style="writing-mode: vertical-rl; transform: rotate(180deg);"> 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. </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>TRANS. BC-191</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>RECVR. BC-314</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>RECVR. BC-312</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>POWER UNIT PE-49</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6">COMBINED WEIGHT OF COMPONENTS:</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	TRANS. BC-191						RECVR. BC-314						RECVR. BC-312						POWER UNIT PE-49						COMBINED WEIGHT OF COMPONENTS:						COMBINED VOLUME OF COMPONENTS:						SHIP TONNAGE:				
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INSTRUCTIONAL LITERATURE: TM 11-231	STATUS:	OBSELETE 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:)			
 <p>RADIO SET SCR-179 HORSE PACK</p>			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.)			
			 <p>RADIO SET SCR-179 OPERATING POSITION IN FIELD</p>			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)		
			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
				HEIGHT	WIDTH	DEPTH		
			RADIO MODULATOR, BC-188					
			RADIO TRANSMITTER, BC-187					
			RADIO RECEIVER, BC-186					
			RADIO GENERATOR GN-37					
			COMBINED WEIGHT OF COMPONENTS:				203#	
			COMBINED VOLUME OF COMPONENTS:				5 Cu.Ft.	
			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:) FREQUENCY RANGE: RECEIVING - 201-398 Kc., 4150-7700 Kc. TRANSMITTING - 2500-7700 Kc. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: REGR.- 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) 1/4 TYPE 39/44 1 TYPE 37 1 TYPE 30 2 TYPE 10 2 TYPE 45 SPL. (TUBE CONTENT SHOWN ABOVE PERTAINS TO SCR-AB-183)		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 OF EACH OTHER COVERING SAME FREQUENCIES. TO REPLACE IN PARTS: 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 PRODUCERS OF CONTRACTS, AND THERE MAY BE MINOR DIFFERENCES BETWEEN MODELS. TRANSMITTER MAY USE QUALIFYING ORSYVAL DC-10. PRINCIPAL COMPONENTS OF RADIO SET SCR-183 	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)					
ITEM	DIMENSIONS				WEIGHT
	HEIGHT	WIDTH	DEPTH		
RADIO REGR. 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 REGR. COIL SETS (ONE IS A DUAL COIL)					
6 TRANS. COIL SETS.					
COMBINED WEIGHT OF COMPONENTS:				43.3# (INCLUDING MINOR COMP)	
COMBINED VOLUME:				165 CU. FT.	
SHIP TONNAGE:					

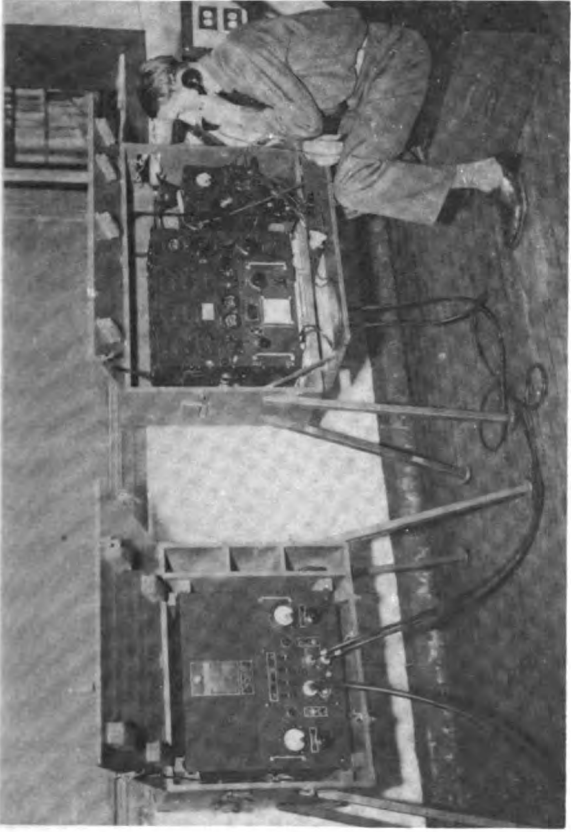
<p>INSTRUCTIONAL LITERATURE: COVERED BY BOOKS FOR TRANS. BC-191 & RECEIVER BC-224 BC-191-A, B, C, D, E & AA-191 TM-11-800 BC-191-N - TO 08-10-165 BC-224-A-TO 08-10-24 BC-224-B - TO 08-10-25 BC-224-C - TO 08-10-47 BC-224-D - IB Stock No. 2C 4224 D/1 BC-224-E, G, H - TO 08-10-79 BC-224-F, K - TO 08-10-180 BC-224-L - TO 08-10-164</p>	<p>STATUS:</p>	<p>LIMITED STANDARD 13 Nov 43</p>	<p>NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.</p>	<h1 style="margin: 0;">SCR-187</h1>																																																																																							
 <p>RADIO RECEIVER BC-224</p>	<p>CHANGE IN STATUS:</p>	<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: RECVR. - 1.5 - 18 Mc. TRANS. - 1.5 - 12.5 Mc.; 200-500Kc; 600-1500Kc.</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES: NONE</p> <p>ANTENNA: TRAILING WIRE</p> <p>TUNING: (MO OR XTAL) MO</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 12 - 14 VOLT AIRPLANE BATTERY SUPPLY</p> <p>SIMILAR SETS: SCR-287</p> <p>POWER OUTPUT: (WATTS) 30 - 60 WATTS.</p> <p>TUBES: (TYPE AND NUMBER) SCR-AA-197 USES: TRANS. - 4 VT-4-B 1 VT-25 RECVR. - 1 VT-37 1 VT-38 4 VT-49</p>			<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: AIR-TO-AIR, AIR-TO-GROUND COMMUNICATION LIAISON SET.</p> <p>RANGE: (MILES) 50 TO SEVERAL HUNDRED MILES.</p> <p>TO COMMUNICATE WITH: SCR-188; SCR-193; SCR-197; SCR-299.</p> <p>TO REPLACE IN PART:</p> <p>TRANSPORTATION: AIRBORNE INSTALLATION.</p> <p>TYPE OF SIGNAL: VOICE, TONE, CW.</p>																																																																																						
	<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>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> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td style="text-align: right;">250 LBS. APPROX.</td> </tr> <tr> <td>COMBINED VOLUME:</td> <td style="text-align: right;">6 CU. FT. APPROX.</td> </tr> <tr> <td>SHIP TONNAGE:</td> <td></td> </tr> </table>					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		COMBINED WEIGHT OF COMPONENTS:	250 LBS. APPROX.	COMBINED VOLUME:	6 CU. FT. APPROX.	SHIP TONNAGE:
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SHIP TONNAGE:																																																																																											



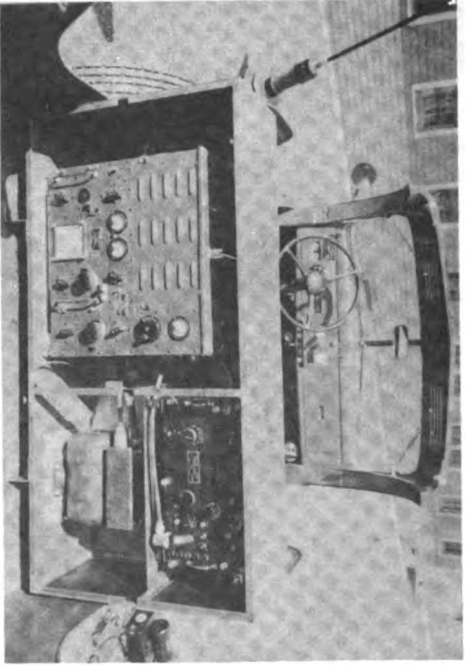
ANTENNA TUNING UNIT BC-306. **RADIO TRANSMITTER BC-191 (TRANSMITTER TUNING UNIT TU-5 IN PLACE)**

RADIO SET SCR-187. COMPONENTS.
 RECEIVER BC-224 CONTAINS CRYSTAL FILTER.

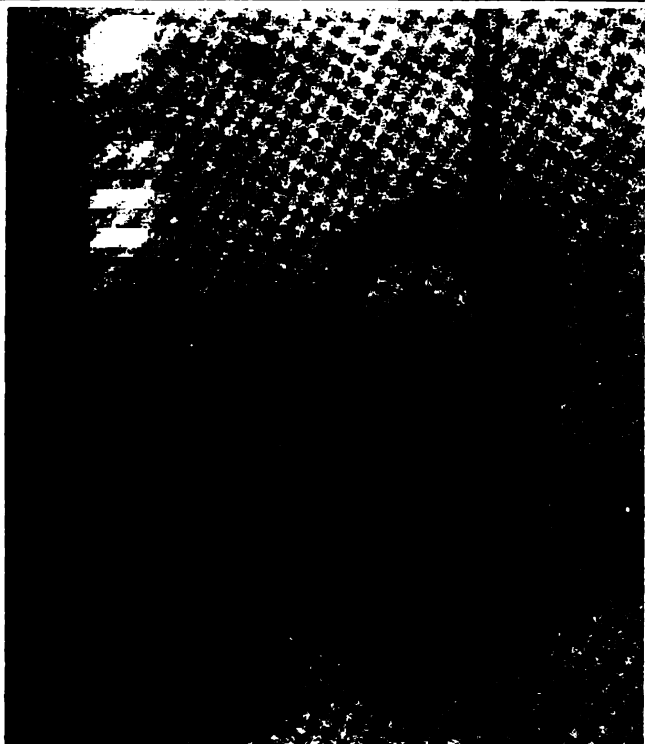
<h1>SCR-188</h1>		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD 26 Dec 33		INSTRUCTIONAL LITERATURE: TM 11-233.			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: TRANS.: 1.5 - 12.5. RECVR.: 0.4 - 13.0 Mc. NUMBER OF CRYSTALS: 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; RECVR. BD-AA-69; BD-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/ $\frac{1}{4}$. 1 BC-AA-191; 1 TYPE 10; $\frac{1}{4}$ TYPE 211 SPL.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: AC PURSUIT: SQDN, SRP, WNG. ATTACK : SQDN, SRP, 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 RECVR. 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:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-188-A																																																				
CHANGE IN STATUS:			<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (Mc) TRANS. 1.5 - 12.5 RECVR. 1.5 - 18.0</p> <p>NUMBER OF CRYSTALS:</p> <p>PRESET FREQUENCIES:</p> <p>ANTENNA: INVERTED L (1/2 OR 3/4 WAVE). AN-22-A, 23-A, 25, 26, 27, & 28.</p> <p>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"> <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>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: AC PURSUIT: SQDN, GRP, WING. ATTACK : SQDN, GRP, WING, 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																																																						
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1-6F6	1-6X5GT	2-866A																																																						
4-6K7																																																								
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">RADIO SET SCR-188-A SHOWING TRANSMITTER SET UP IN ACTION</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>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 colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>1385#</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	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:					
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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: (MO) 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, REGT, ARMD BN. SIG C: CO ARMD, CO & TR OPH. TANKS, SOOUT CARS, HALF TRACKS ETC. RANGE: (MILES) STATIONARY - CW-60; TONE-40; VOICE-20. MOVING - CW-50; 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-238; SCR-245; SCR-259; SCR-287. TO REPLACE IN PART: TRANSPORTATION: LT. TANKS M2, MCD TANK T4, COMBAT CAR M-1, SOOUT 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)					RADIO SET SCR-193 IS A VEHICULAR COMMUNICATION SET. IN INFANTRY IT HAS BEEN RE- MODELED RADIO SET SCR-215. INSTALLATION IN VEHICLES FOR INTERCOMMUNICATION. MODIFICATIONS OF THIS SET ARE ADAPTED TO DIFFERENT TYPES OF VEHICLES, INCLUDING TANKS, SOOUT CARS AND COMBAT CARS. SCR-193-D IS THE SET USED FOR SOOUT CARS, M&I. DIFFERENCES MAINLY IN OPER. LETTERS (WHEN RADIO SET SCR-193 IS ISSUED TO CAVALRY UNITS, FREQUENCIES OF 2.0 - 3.0 Mc. ARE ASSIGNED.) INSTALLATION IN TRUCK, 4/2-TON 4 X 4 COMMAND (RADIO) RADIO SET SCR-193-E			
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:								



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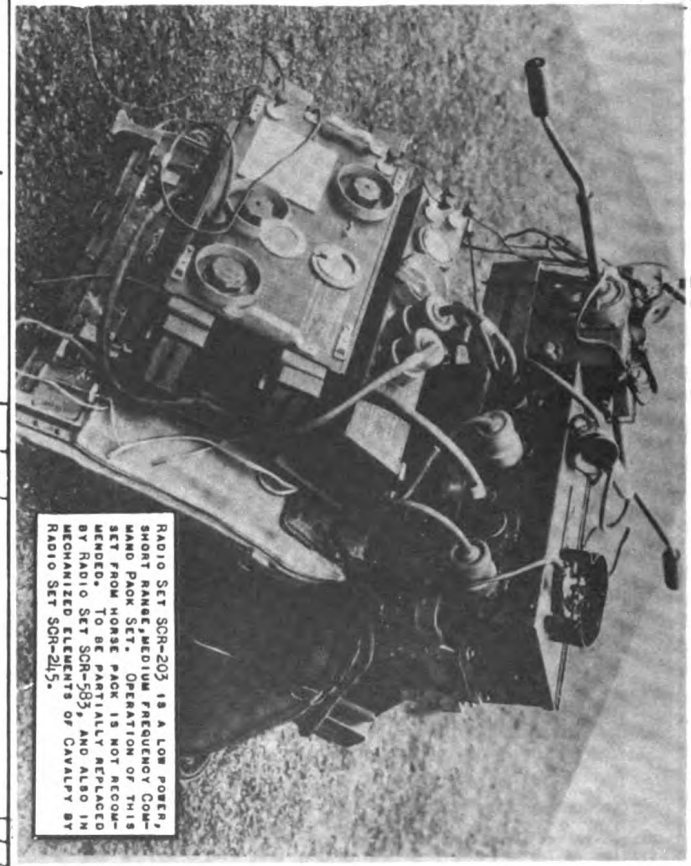
INSTRUCTIONAL LITERATURE: TM 11-238	STATUS: CHANGE IN STATUS:	LIMITED STANDARD 18 Mar 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: <h1 style="margin: 0;">SCR-194</h1>																																								
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 27.7 to 52.2. NUMBER OF CRYSTALS: 1 FOR CALIBRATION. PRESET FREQUENCIES: NONE. 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. TUNING (MO OR XTAL): MO SENSITIVITY: SELECTIVITY: POWER SOURCE: DRY BATTERIES BA-32. SIMILAR SETS: SCR-195 EXCEPT FOR FREQUENCY. POWER OUTPUT: (WATTS) .75 @ 60% MODULATION. TUBES: (TYPE AND NUMBER) BC-222 TRANSCEIVER, 1 TYPE 33 1 TYPE 30 SPL.	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: USED BY FIELD ARTILLERY, SIGNAL CORPS, ARMORED FORCES. RANGE: (MILES) 5 TO COMMUNICATE WITH: SCR-194 ONLY. TO REPLACE IN PART: SCR-161 FOR SHORT RANGE LIAISON. TRANSPORTATION: MAN PACK OR IN VEHICLE. TYPE OF SIGNAL: VOICE.																																								
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)																																									
			<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>RECVR. & TRANS. BC-222 IN BM WITH BATTERIES, ANTENNA, HEADSET, AND MICROPHONE.</td> <td style="text-align: center;">1</td> <td style="text-align: center;">CUBIC FOOT</td> <td></td> <td style="text-align: center;">25.10#</td> <td style="text-align: center;">UNCLASSIFIED</td> </tr> <tr> <td>AUXILIARY EQUIPMENT AND SPARE PARTS IN CHEST CH-33</td> <td style="text-align: center;">2</td> <td style="text-align: center;">CUBIC FEET</td> <td></td> <td style="text-align: center;">64.14#</td> <td style="text-align: center;">UNCLASSIFIED</td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td style="text-align: center;">90 #</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME:</td> <td style="text-align: center;">1.1 Cu.Ft.</td> <td></td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td style="text-align: center;">103 #</td> <td></td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RECVR. & TRANS. BC-222 IN BM 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 #	
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																							
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SHIP TONNAGE:				103 #																																								
RADIO SET SCR-194, ASSEMBLED VIEW. "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.																																												

INSTRUCTIONAL LITERATURE: TM 11-805	STATUS:	LIMITED STANDARD 13 JUL 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-197								
	CHANGE IN STATUS:											
			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; 2L 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)									
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.			ITEM			DIMENSIONS			WEIGHT	CLASSIFICATION		
						HEIGHT	WIDTH	DEPTH				
			RADIO TRANS. BC-325									
			RADIO REOVR. BC-342 (3)									
			TRUCK K-18									
TRAILER K-19												
COMBINED WEIGHT OF COMPONENTS:								15,000# APPROX.				
COMBINED VOLUME:								1947 CU. FT.				
SHIP TONNAGE:												

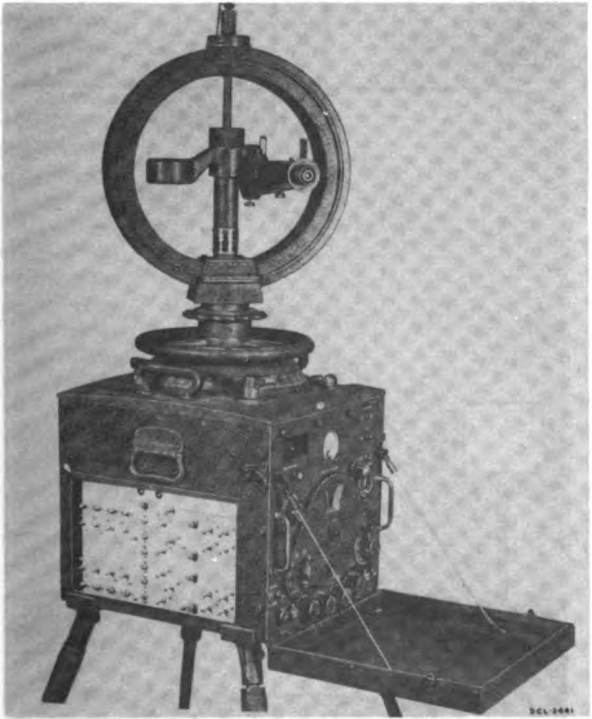
(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

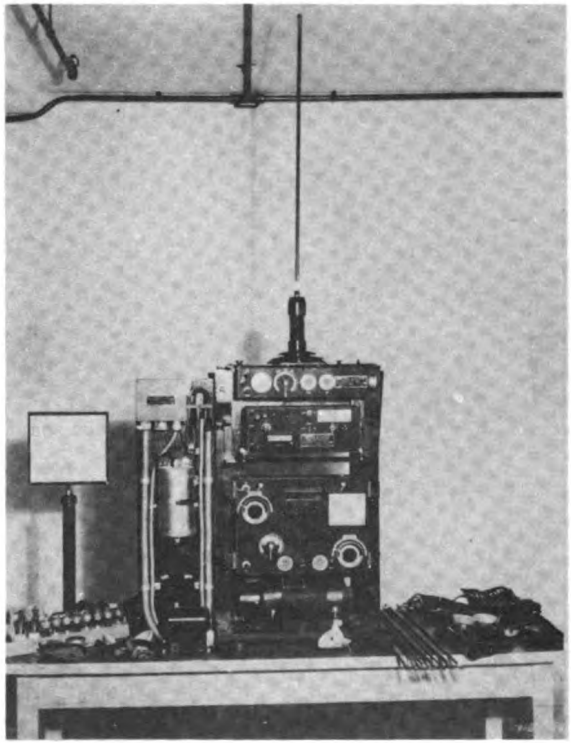
SCR-203		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS: LIMITED STANDARD 6 FEB 43		INSTRUCTIONAL LITERATURE: TM 11-239			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MO) TRANS.: 2.2 - 3.06. RECVR.: 2.1 - 3.1. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ANTENNA: 2 1/2 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.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) 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.				STATUS: LIMITED STANDARD 6 FEB 43		INSTRUCTIONAL LITERATURE: TM 11-239	
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:											

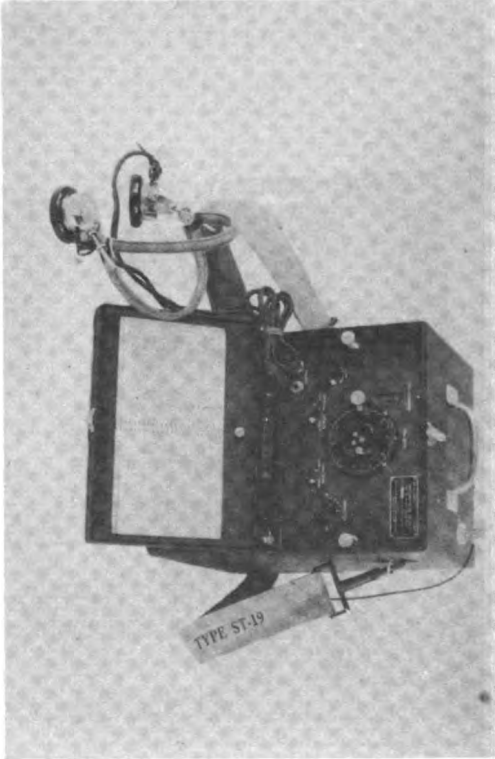


RADIO SET SCR-203 IS A LOW POWER, SHORT RANGE, MEDIUM FREQUENCY COMMAND PACK SET. OPERATION OF THIS SET FROM HORSE PACK IS NOT RECOMMENDED. TO BE PARTIALLY REPLACED BY RADIO SET SCR-585, AND ALSO IN MECHANIZED ELEMENTS OF CAVALRY BY RADIO SET SCR-215.

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.	<h1 style="margin: 0;">SCR-206</h1>																																																				
		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 0.2 - 18.0 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: LOOP TUNING: (MO OR XTAL) SENSITIVITY: 20 - 100 MICROVOLTS PER METER. SELECTIVITY: POWER SOURCE: 6-VOLT STORAGE BATTERY. SIMILAR SETS: SCR-503 POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 1 VT-94 3 VT-117 1 VT-98 1 VT-150 2 VT-105 1 VT-152 (NOTE: THE TUBE LINE-UP IS FOR SCR-206-D. EACH MODEL HAS DIFFERENT SET OF TUBES.)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: TO INTERCEPT AND LOCATE ENEMY GROUND STATIONS. RANGE: (MILES) SHORT TO COMMUNICATE WITH: NOT APPLICABLE. TO REPLACE IN PART: TRANSPORTATION: PORTABLE TYPE OF SIGNAL: NOT APPLICABLE.																																																				
		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: 10%;">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 BC-470</td> <td>24 1/8"</td> <td>16 3/8"</td> <td>15 1/2"</td> <td>65.5#</td> <td></td> </tr> <tr> <td>ANTENNA (SENSE) (EACH SECT.)</td> <td>35 5/8"</td> <td></td> <td></td> <td>1.5#</td> <td></td> </tr> <tr> <td>LOOP LP-22</td> <td>17 5/8"</td> <td>15 "</td> <td>5 "</td> <td>4.6#</td> <td></td> </tr> <tr> <td>BATTERY BOX</td> <td>11 1/2"</td> <td>23 "</td> <td>16 1/4"</td> <td>38.6#</td> <td></td> </tr> <tr> <td colspan="2">COMBINED WEIGHT OF COMPONENTS:</td> <td colspan="2" style="text-align: center;">INCLUDING CORDS, CHESTS,</td> <td style="text-align: center;">383#</td> <td></td> </tr> <tr> <td colspan="2">COMBINED VOLUME OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">SHIP TONNAGE:</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				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:					
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RADIO SET SCR-206 IN OPERATING POSITION

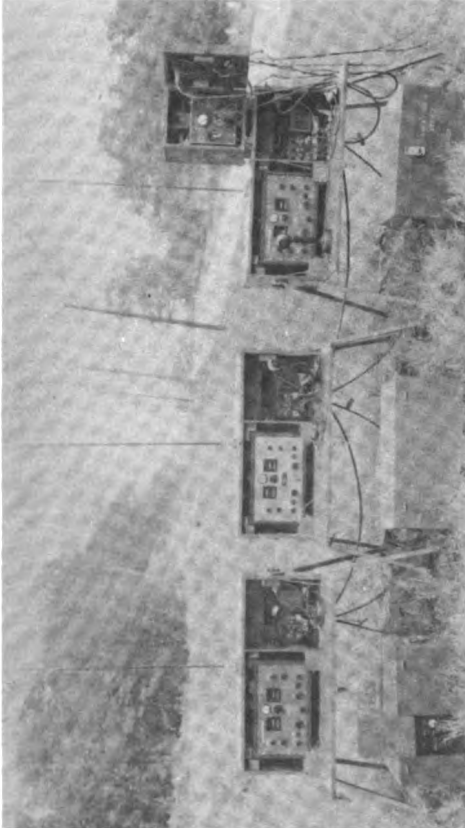
<h1 style="text-align: center;">SCR-209</h1>		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		LIMITED STANDARD 13 Dec 37		INSTRUCTIONAL LITERATURE: IB Stock No. 6D8209																																																	
		<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (MO) TRANS. 2.2 - 2.6. RECVR. 1.5 - 18.0 (BC-312); 2.0 - 3.0 (BC-189)</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES:</p> <p>ANTENNA: 15' 5 SECTION FISHPOLE ON MP-14 OR 37.</p> <p>TUNING: (MO OR XTAL) MO</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: MOTOR GENERATOR AND BATTERY UNIT PE-48. RECVR. DYNAMOTOR UNIT BD-69.</p> <p>SIMILAR SETS:</p> <p>POWER OUTPUT: (WATTS) CW-8.5; TONE-7.5; VOICE-7.5 60% Mod. TONE, 40% VOICE.</p> <p>TUBES: (TYPE AND NUMBER)</p> <p style="margin-left: 20px;">2 VT-25 3 VT-36 1 VT-38 4 VT-49 1 VT-50</p>				<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: COMBAT AND SOOUT CARB.</p> <p>RANGE: (MILES) STATIONARY: CW-30; TONE-20; VOICE-5. MOVING: CW-10; TONE-6; VOICE-3.</p> <p>TO COMMUNICATE WITH: SCR-193; SCR-203; SCR-209; SCR-210; SCR-238.</p> <p>TO REPLACE IN PART: SCR-189; 199.</p> <p>TRANSPORTATION: VEHICLES.</p> <p>TYPE OF SIGNAL: CW; TONE; VOICE; AM</p>				CHANGE IN STATUS:																																																	
<p>PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)</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>RADIO TRANS. BC-176-A</td> <td></td> <td></td> <td></td> <td></td> <td rowspan="4" style="text-align: center; vertical-align: middle;">UNCLASSIFIED UNCLASSIFIED UNCLASSIFIED</td> </tr> <tr> <td>RADIO TRANS. RECVR. BC-189</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>RADIO RECVR. BC-312-A-B-C-D.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MOTOR GENERATOR PE-48</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td style="text-align: center;">163#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME:</td> <td style="text-align: center;">4 Cu.Ft.</td> <td></td> </tr> <tr> <td colspan="6">SHIP TONNAGE:</td> </tr> </tbody> </table>												ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO TRANS. BC-176-A					UNCLASSIFIED UNCLASSIFIED UNCLASSIFIED	RADIO TRANS. RECVR. BC-189					RADIO RECVR. BC-312-A-B-C-D.					MOTOR GENERATOR PE-48					COMBINED WEIGHT OF COMPONENTS:				163#		COMBINED VOLUME:				4 Cu.Ft.		SHIP TONNAGE:					
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						 <p style="text-align: center;">RADIO SET SCR-209 IN OPERATING POSITION.</p> <p style="text-align: center;">VERY FEW OF THESE SETS USING RECEIVER BC-189 ARE NOW IN USE. SCR-209 IS BEING REPLACED BY SCR-245.</p>																																																					

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: (Mc) .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-G) 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-G, Crystal Unit DC-9, Calibration Book MC-177, Feeder for Use

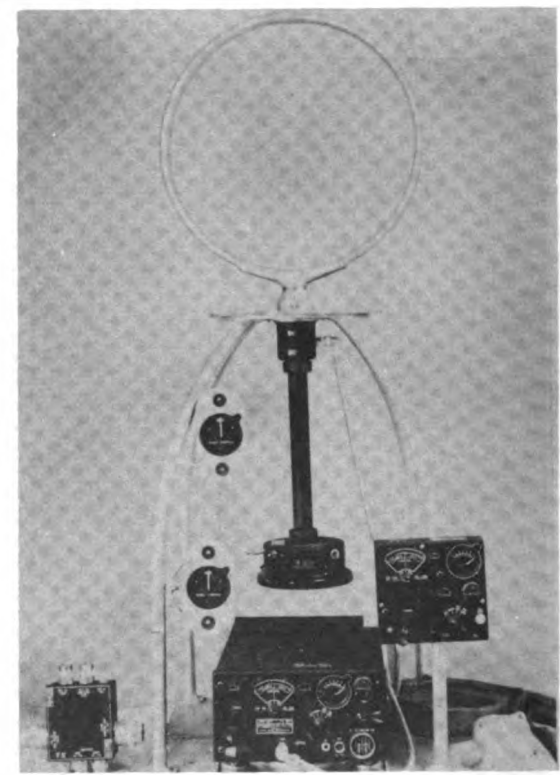
THIS SHEET IS CLASSIFIED: **RESTRICTED**

(GROUND SIGNAL EQUIPMENT; GROUND RADIO.)

INSTRUCTIONAL LITERATURE:	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-237																																													
	CHANGE IN STATUS:		<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>FREQUENCY RANGE: (MO) TRANS.: .2 - 1.5; 2 - 18. RECVR.: 1.5 - 18.</p> <p>NUMBER OF CRYSTALS:</p> <p>PRESET FREQUENCIES: 10</p> <p>ANTENNA: INVERTED L₄</p> <p>TUNING: (MO OR XTAL) MO</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 110V AC 60 CYCLES AUX. POWER EQPT. GASOLINE ENGINE GEN. 110V 60 CYCLES AC, PE-75.</p> <p>SIMILAR SETS:</p> <p>POWER OUTPUT: (WATTS) APPROX. 90</p> <p>TUBES: (TYPE AND NUMBER)</p> <p style="text-align: center;">NO TUBE COMPLEMENT AVAILABLE.</p>	<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>USE: AIR CORPS; ON GROUND - AIR CORPS SQUADRONS. GROUND-TO-AIR, POINT-TO-POINT COMMUNICATION.</p> <p>RANGE: (MILES) 750 USING CW GROUND-TO-AIR.</p> <p>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.</p> <p>TO REPLACE IN PART: SCR-188-A</p> <p>TRANSPORTATION: TRUCK OR CARGO AIRCRAFT - OPERATION AS FIXED STATION.</p> <p>TYPE OF SIGNAL: CW; TONE; VOICE.</p>																																													
 <p style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: small;">PRINCIPAL COMPONENTS of RADIO SET SCR-237-73 at LOCATION NO. 2 (Receiver Location) Front View - Set Up for Field Operation</p>			<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 TRANSMITTER ANBT-3 (NAVY ATC)</td> <td></td> <td></td> <td></td> <td></td> <td rowspan="2" style="text-align: center;">RESTRICTED UNCLASSIFIED</td> </tr> <tr> <td>3 RECEIVERS BC-342</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6" style="text-align: center;">(MINIMUM CONSISTENT WITH BEST ENGINEERING PRACTICE)</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> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	1 TRANSMITTER ANBT-3 (NAVY ATC)					RESTRICTED UNCLASSIFIED	3 RECEIVERS BC-342					(MINIMUM CONSISTENT WITH BEST ENGINEERING PRACTICE)						COMBINED WEIGHT OF COMPONENTS:						COMBINED VOLUME:						SHIP TONNAGE:					
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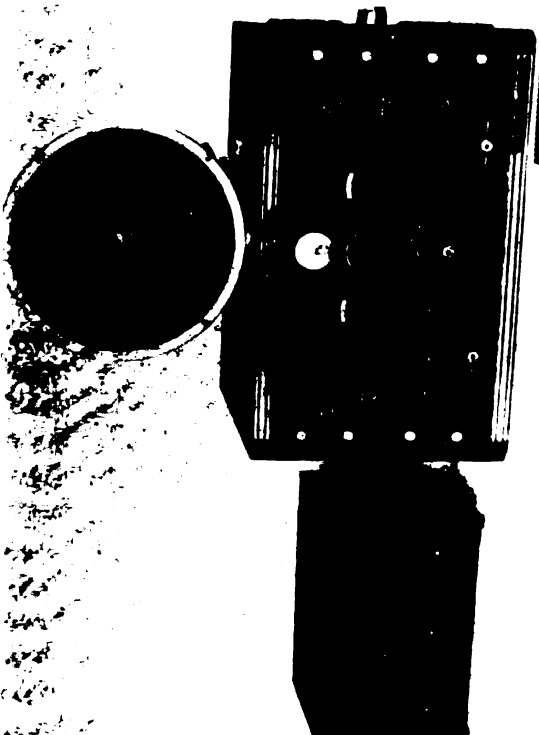
THIS SHEET IS CLASSIFIED: **RESTRICTED**

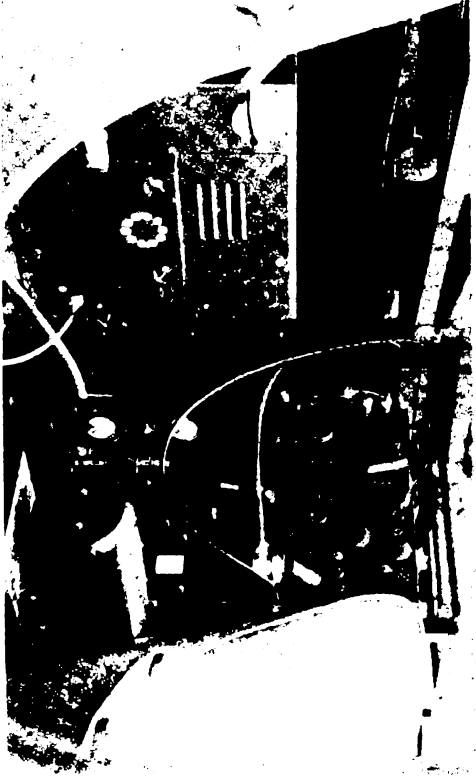
SCR-242		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	LIMITED STANDARD 10 Nov 42	INSTRUCTIONAL LITERATURE: TO 08-10-11, 21, 27													
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) .15 - 1.5, 1.75 WITH MODIFICATION KITS. 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: 1 1/2 VOLT D.C. AND DYNAMOTOR DM-18 SIMILAR SETS: SCR-186 POWER OUTPUT: (WATTS) RECEIVES ONLY. TUBES: (TYPE AND NUMBER) <table style="margin-left: 20px;"> <tr><td>1</td><td>VT-66</td></tr> <tr><td>6</td><td>VT-86</td></tr> <tr><td>1</td><td>VT-87</td></tr> <tr><td>1</td><td>VT-93</td></tr> <tr><td>1</td><td>VT-94</td></tr> <tr><td>2</td><td>VT-96</td></tr> </table>			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:			
1	VT-66																			
6	VT-86																			
1	VT-87																			
1	VT-93																			
1	VT-94																			
2	VT-96																			
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:				92.4																
COMBINED VOLUME:				155.1 WITH TM-180-A																
SHIP TONNAGE:				0.025 APPROX.																

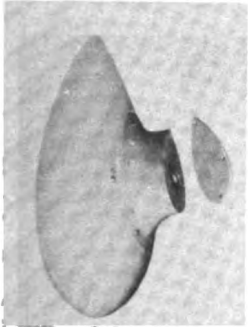
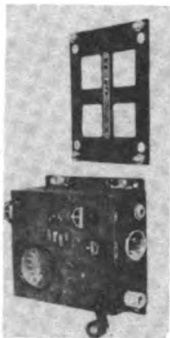
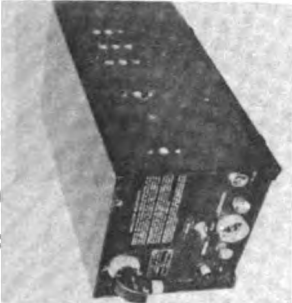



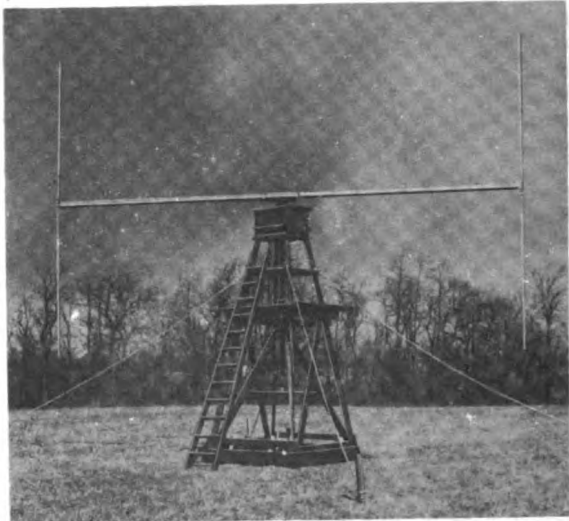
GENERAL VIEW OF SET IN OPERATING POSITION

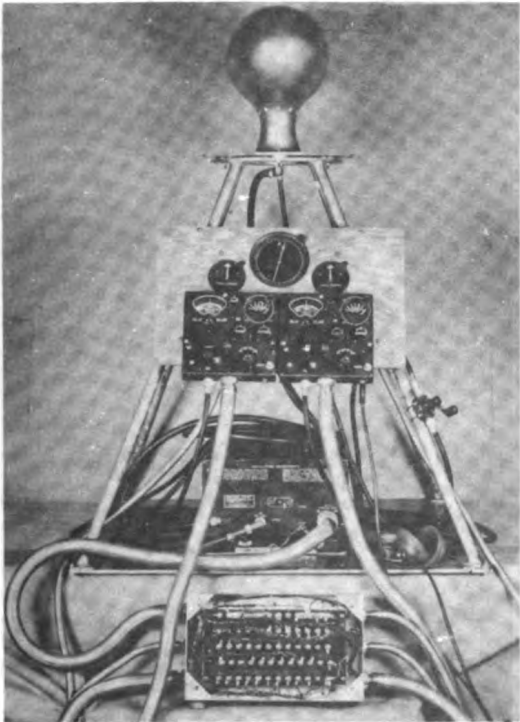
SCR-242 IS AN AIRCRAFT RADIO COMPASS, MANUALLY TUNED FROM LOCAL OR REMOTE STATION.

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:) FREQUENCY RANGE: (Mc) 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		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) 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																																							
 <p>RADIO SET SCR-244 (MANUFACTURER'S MODEL) COMPONENTS. SCR-244 COMES IN RACK AND CABINET MOUNTING. COMMERCIAL HAMMARLUND SUPER-PRO RECEIVER.</p>			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)																																									
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SHIP TONNAGE:																																												

<h1>SCR-245</h1>		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD 10 JUN 37		INSTRUCTIONAL LITERATURE: TM 11-272		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MO) TRANS. 2.0 - 4.5. MAY BE EXTENDED TO 5.2 MO. BY USING TU-25-A. RECOVR. 1.5 - 18.0. NUMBER OF CRYSTALS: 4 IN TRANS. PRESET FREQUENCIES: 4 ANTENNA: 15 FT., FIVE SECTION FISHPOLE ON FLEXIBLE MAST BASE MP-14 OR 37. TUNING: (MO OR XTAL) BOTH. SENSITIVITY: SELECTIVITY: POWER SOURCE: TRANS.: DYNAMOTOR UNIT 12 V. STORAGE BATTERY. RECOVR.: INTEGRAL DYNAMOTOR 12 V. STORAGE BATTERY. SIMILAR SETS: POWER OUTPUT: (WATTS) 10 100% MODULATION. TUBES: (TYPE AND NUMBER) 1 BC-223-A TRANS.; 2 TYPE 601-A & 3 TYPE 46. 1 BC-312 RECOVR.: 2-6C5; 1-6 F 6; 2-6 K-7 (NOTE: 6K7GT AUTHORIZED RECENTLY) 2-; 1-6 L 7; 1-6 R 7.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: Used by AF, Sig C, Inf, Cav, FA. RANGE: (MILES) CW-45; Tone-35; Voice 20. 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. TO REPLACE IN PART: SCR-189, 193, 199, AND 209. TRANSPORTATION: TRANSPORTED AND OPERATED IN VEHICLES TYPE OF SIGNAL: CW; Tone; Voice.				CHANGE IN STATUS:  <p style="writing-mode: vertical-rl; transform: rotate(180deg);"> VEHICULAR RADIO SET, MOST SIMILY USED MEDIUM RANGE MOBILE SET IN ARMV. TO BE PARTIALLY REPLACED IN AF BY SCR-506, 508 AND 528. SEVERAL MODIFICATIONS ARE AVAILABLE FOR INSTALLATION IN VARIOUS TYPES OF VEHICLES. LEAK LETTER DENOTES VEHICLE E.G. SCR-245-N IS THE SET FOR LIGHT TANK M 3 1 DIFFERENCES ARE MAINLY IN CORD LENGTHS. "X" AFTER NOMENCLATURE DENOTES 24 V. EQUIPMENT. </p>				
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 RECOVR. 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:												

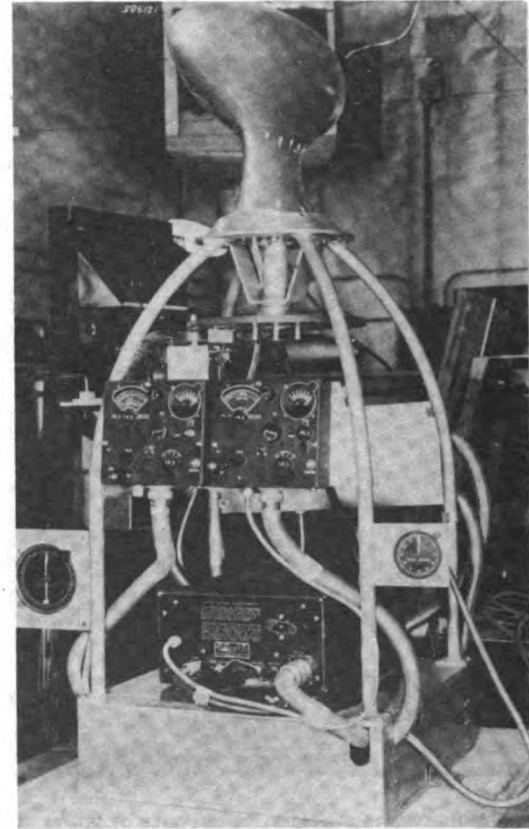
INSTRUCTIONAL LITERATURE: TO 08-10-39	STATUS: CHANGE IN STATUS:	LIMITED STANDARD 10 Nov 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: <h1 style="margin: 0;">SCR-246</h1>																																																								
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>LOOP LP - 17</p> </div> <div style="text-align: center;">  <p>CONTROL BOX BC - 374</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;">  <p>UNIT BC - 373</p> </div> <div style="text-align: center;">  <p>INDICATOR I - 18</p> </div> </div> <p style="text-align: center; margin-top: 10px;">RADIO COMPASS SCR-246 - PRINCIPAL COMPONENTS</p> <p style="text-align: center;">NORMALLY CONSUMES 70 WATTS AND SUPPLIES VOLTAGE TO MARKER BEACON RECEIVER.</p>		<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (Mc) 195 - 420 Ko.</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES: NONE</p> <p>ANTENNA: 8" LOOP & NONDIRECTIONAL (USUALLY VERTICAL) NO LOCAL, ONE REMOTE CONTROL POSITION.</p> <p>TUNING: (MO OR XTAL) MO</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 12 VOLT STORAGE BATTERY AND DM-29.</p> <p>SIMILAR SETS: SCR-276 EXCEPT FOR INPUT VOLTAGE.</p> <p>POWER INPUT: (WATTS) 70 WATTS CONSUMPTION.</p> <p>TUBES: (TYPE AND NUMBER) SCR-246-A USES 1-BC-373-A TUBES: 2 - 6C5 4 - 6K7 1 - 6L7 2 - 6J7 2 - 6BB 2 - 6V6</p>																																																										
		<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>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 HEADINGS. MAY ALSO BE USED AS A RADIO RANGE OR RADIO BROADCAST RECEIVER PROVIDING AURAL RECEPTION OF MODULATED SIGNALS.</p> <p>RANGE: (MILES)</p> <p>TO COMMUNICATE WITH: RECEIVES ONLY RADIO BEACON TRANSMISSION.</p> <p>TO REPLACE IN PART:</p> <p>TRANSPORTATION: AIRCRAFT INSTALLATION.</p> <p>TYPE OF SIGNAL: MCW</p>																																																										
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<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>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="5"> 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>28.5 LBS.</td> <td></td> </tr> <tr> <td colspan="2">COMBINED VOLUME:</td> <td>8"</td> <td>8"</td> <td>15 5/8"</td> <td></td> </tr> <tr> <td colspan="5">SHIP TONNAGE:</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:				28.5 LBS.		COMBINED VOLUME:		8"	8"	15 5/8"		SHIP TONNAGE:					
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SCR-255		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	LIMITED STANDARD 11 JUN 42	INSTRUCTIONAL LITERATURE: TM 11-861																																																													
		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		CHANGE IN STATUS:																																																															
<p>FREQUENCY RANGE: (Mc) .54 - 30</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES: NONE</p> <p>ANTENNA: ADOOOK</p> <p>TUNING: (MO OR XTAL)</p> <p>SENSITIVITY: 20 - 100 MICROVOLTS/METER</p> <p>SELECTIVITY:</p> <p>POWER SOURCE: 6V STORAGE BATTERY.</p> <p>SIMILAR SETS: NONE</p> <p>POWER OUTPUT: (WATTS)</p> <p>TUBES: (TYPE AND NUMBER) 1 VT-66 3 VT-86 3 VT-91 1 VT-99 1 VT-126 1 VT-163</p>		<p>USE: FOR USE IN THE FIELD TO LOCATE ENEMY TRANSMITTERS.</p> <p>RANGE: MEDIUM</p> <p>TO COMMUNICATE WITH:</p> <p>TO REPLACE IN PART: NONE</p> <p>TRANSPORTATION: CARGO TRUCK</p> <p>TYPE OF SIGNAL:</p>																																																																			
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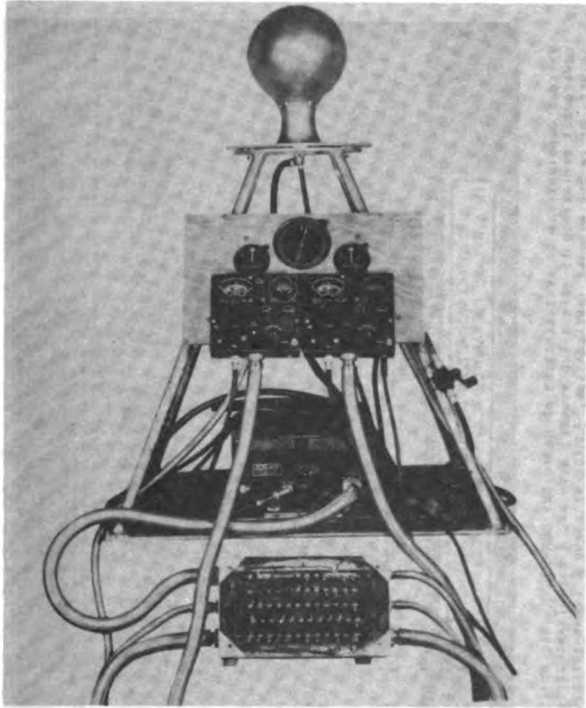
INSTRUCTIONAL LITERATURE: TO 08-10-64	STATUS:	LIMITED STANDARD 10 Nov 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-263	
	CHANGE IN STATUS:					
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)	
			FREQUENCY RANGE: (Kc) 200 TO 1,750 (IN 3 BANDS) NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ANTENNA: 8 th LOOP & NONDIRECTIONAL ANTENNA WITH ONE OR TWO REMOTE CONTROL POSITIONS. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 24 TO 28 VOLTS DC (2.65 TO 3 AMPERES) STORAGE BATTERY IN AIRCRAFT. SIMILAR SETS: SCR-242-B, SCR-280, SCR-273 POWER OUTPUT: (WATTS) RECEIVES ONLY. 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 - 6W7		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. 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		
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 ^m 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 4 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 8C-433-A	7 7/8	12	19 13/16	46.87 LBS.				
2 RADIO CONTROL BOX 8C-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:				75.10 LBS.				
COMBINED VOLUME:				5121 cu. in.				
SHIP TONNAGE:				0.0296T				

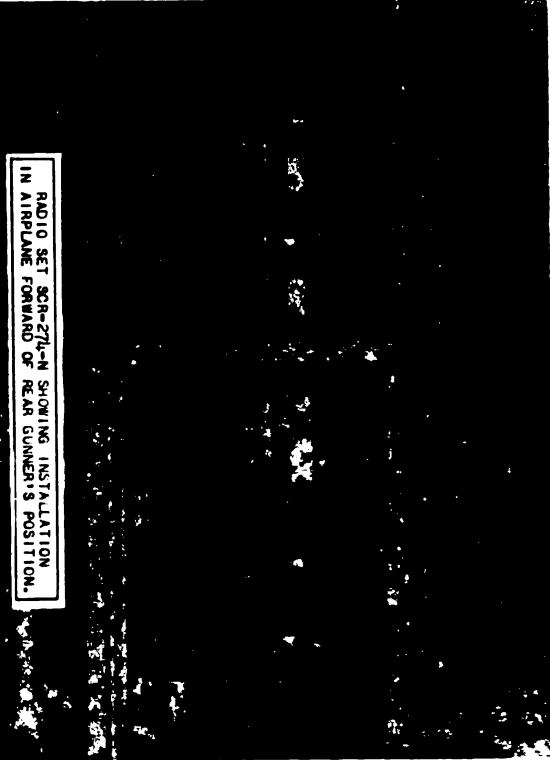



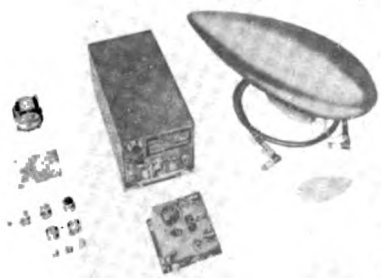
RADIO COMPASS SCR-269

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: center; margin: 0;">SCR-273</h1>																																																															
		<p style="text-align: center;">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 style="text-align: center;">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>																																																																	
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	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																																																															
COMBINED WEIGHT OF COMPONENTS:				72.124																																																															
COMBINED VOLUME:				5740.25	CU. IN.																																																														
SHIP TONNAGE:				0.005 T																																																															
<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>																																																																			

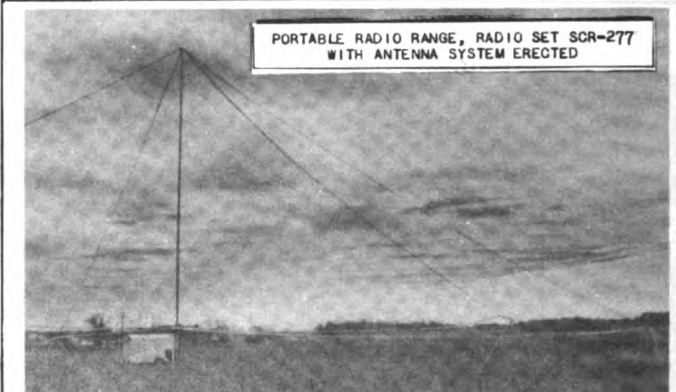

RADIO COMPASS SCR - 273
PRINCIPAL COMPONENTS

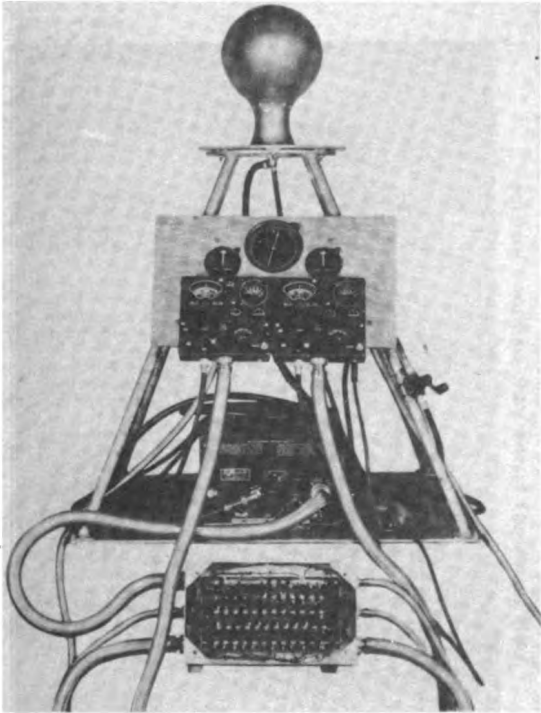
SCR-274-N		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 20 SEP 40	INSTRUCTIONAL LITERATURE: (HMI) TO 08-10-50																																																																									
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MC) TRANS: 4.0-5.3; 5.3-7.0; 7.0-9.1. RECVR: .19-5.5; 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: SUPERBEDES 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:	VARIOUS COMBINATIONS OF INSTALLATIONS OF RADIO SET SCR-274-N ARE POSSIBLE WITH CONSEQUENT VARIATIONS IN WEIGHT AND VOLUME, SUCH AS, 1 EACH TRANSMITTER AND RECEIVER, OR AS THE AVERAGE INSTALLATION, 3 RECEIVERS AND 2 TRANSMITTERS. RADIO SET SCR-274-N IS BEING REPLACED IN FIGHTER AIRCRAFT BY VHF COMMAND SET, SCR-522																																																																											
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>RECVR. BC-453-A; BC-454-A; BC-455-A; BC-946-A EA-</td> <td>7 11/32"</td> <td>4 27/32"</td> <td>10 23/32"</td> <td>9.0#</td> <td>RESTRICTED</td> </tr> <tr> <td>(3 RECVR) CONTROL BOX BC-450-A</td> <td>4 1/8 "</td> <td>9 1/8 "</td> <td>5 15/32"</td> <td>2.7#</td> <td>RESTRICTED</td> </tr> <tr> <td>(1 RECVR) CONTROL BOX BC-473-A</td> <td>4 1/8 "</td> <td>3 1/4 "</td> <td>5 11/32"</td> <td>1.0#</td> <td>RESTRICTED</td> </tr> <tr> <td>(2 RECVR) CONTROL BOX BC-496-A</td> <td>4 1/8 "</td> <td>6 3/8 "</td> <td>5 11/32"</td> <td>1.7#</td> <td>RESTRICTED</td> </tr> <tr> <td>TRANS. BC-457-A; BC-458-A; BC-459-A; BC-696-A. EA.</td> <td>8 13/16"</td> <td>5 1/8 "</td> <td>11 13/16"</td> <td>8.6#</td> <td>RESTRICTED</td> </tr> <tr> <td>CONTROL BOX BC-451-A</td> <td>3 7/32"</td> <td>4 1/8 "</td> <td>4 3/8 "</td> <td>1.0#</td> <td>RESTRICTED</td> </tr> <tr> <td>MODULATOR-UNIT BC-456-A</td> <td>7 11/16"</td> <td>6 5/8 "</td> <td>10 1/8 "</td> <td>9.0#</td> <td>RESTRICTED</td> </tr> <tr> <td>ANTENNA RELAY UNIT BC-442-A</td> <td>6 9/16 "</td> <td>5 5/8 "</td> <td>5 "</td> <td>2.0#</td> <td>RESTRICTED</td> </tr> <tr> <td></td> <td colspan="3">*(COMBINED WEIGHT OF ABOVE APPROX.) 76#</td> <td></td> <td></td> </tr> <tr> <td>*WEIGHT FOR INSTALLATION OF 3 RECVRS. AND 2 TRANS.</td> <td colspan="3">COMPLETE.</td> <td></td> <td></td> </tr> <tr> <td>NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, SETS VARY CONSIDERABLY AND THE FIGURES SHOWN</td> <td colspan="3">BOTH WEIGHTS AND VOLUMES OF ARE THEREFORE APPROXIMATE.</td> <td>COMPLETE</td> <td></td> </tr> </tbody> </table>		ITEM				DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RECVR. BC-453-A; BC-454-A; BC-455-A; BC-946-A EA-	7 11/32"	4 27/32"	10 23/32"	9.0#	RESTRICTED	(3 RECVR) CONTROL BOX BC-450-A	4 1/8 "	9 1/8 "	5 15/32"	2.7#	RESTRICTED	(1 RECVR) CONTROL BOX BC-473-A	4 1/8 "	3 1/4 "	5 11/32"	1.0#	RESTRICTED	(2 RECVR) CONTROL BOX BC-496-A	4 1/8 "	6 3/8 "	5 11/32"	1.7#	RESTRICTED	TRANS. BC-457-A; BC-458-A; BC-459-A; BC-696-A. EA.	8 13/16"	5 1/8 "	11 13/16"	8.6#	RESTRICTED	CONTROL BOX BC-451-A	3 7/32"	4 1/8 "	4 3/8 "	1.0#	RESTRICTED	MODULATOR-UNIT BC-456-A	7 11/16"	6 5/8 "	10 1/8 "	9.0#	RESTRICTED	ANTENNA RELAY UNIT BC-442-A	6 9/16 "	5 5/8 "	5 "	2.0#	RESTRICTED		*(COMBINED WEIGHT OF ABOVE APPROX.) 76#					*WEIGHT FOR INSTALLATION OF 3 RECVRS. AND 2 TRANS.	COMPLETE.					NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, SETS VARY CONSIDERABLY AND THE FIGURES SHOWN	BOTH WEIGHTS AND VOLUMES OF ARE THEREFORE APPROXIMATE.			COMPLETE
ITEM	DIMENSIONS				WEIGHT	CLASSIFICATION																																																																										
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(1 RECVR) CONTROL BOX BC-473-A	4 1/8 "	3 1/4 "	5 11/32"	1.0#	RESTRICTED																																																																											
(2 RECVR) CONTROL BOX BC-496-A	4 1/8 "	6 3/8 "	5 11/32"	1.7#	RESTRICTED																																																																											
TRANS. BC-457-A; BC-458-A; BC-459-A; BC-696-A. EA.	8 13/16"	5 1/8 "	11 13/16"	8.6#	RESTRICTED																																																																											
CONTROL BOX BC-451-A	3 7/32"	4 1/8 "	4 3/8 "	1.0#	RESTRICTED																																																																											
MODULATOR-UNIT BC-456-A	7 11/16"	6 5/8 "	10 1/8 "	9.0#	RESTRICTED																																																																											
ANTENNA RELAY UNIT BC-442-A	6 9/16 "	5 5/8 "	5 "	2.0#	RESTRICTED																																																																											
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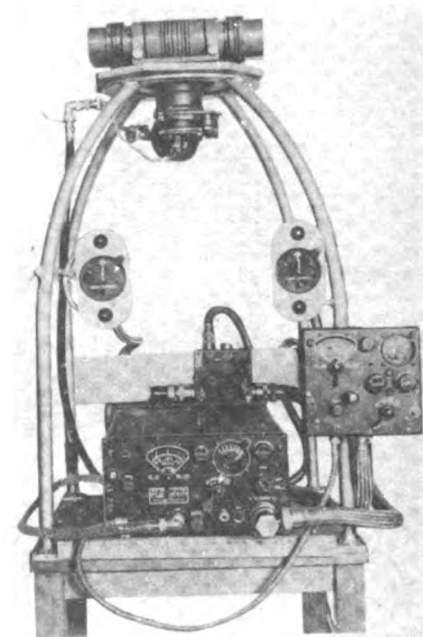
INSTRUCTIONAL LITERATURE: TO 08-10-45	STATUS: CHANGE IN STATUS:	LIMITED STANDARD 10 Nov 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: <h1 style="margin: 0;">SCR-276</h1>		
		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (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		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, MO		
		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)				
		ITEM		DIMENSIONS		
		HEIGHT	WIDTH	DEPTH		
COMPASS INDICATOR I-73-A		3 1/4	3 1/4	3 17/32	1.50	
FLEXIBLE CONDUIT ASSEMBLY & JUNCTION BOX					9.62	
LOOP LP-17-A		25 9/16	11 3/32	9	6.22	
RADIO COMPASS UNIT BC-383-A		8	8	15 5/8	26.1	
RADIO CONTROL BOX BC-440-A		5 3/4	5 1/8	3 23/32	2.78	
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:					46.22	
COMBINED VOLUME:		8"	8"	15 5/8"	3686.2	
SHIP TONNAGE:					.0212 T	

RADIO COMPASS SCR-276 SHOWING MAJOR COMPONENTS
 REMOTE STARTING AND STOPPING CONTROL

<h1>SCR-277</h1>		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)		
<p style="text-align: center;">PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>FREQUENCY RANGE: (Mc) 0.2 - 0.4</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES: NONE</p> <p>ANTENNA: CROSSED LOOPS 70 FEET HIGH</p> <p>TUNING: (MO OR XTAL) MO</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: POWER UNIT PE-90 OR 110V 50 - 60 CYCLES.</p> <p>SIMILAR SETS: NONE</p> <p>POWER OUTPUT: (WATTS) 800</p> <p>TUBES: (TYPE AND NUMBER) 2 VT-100 (807) 1 VT-154 (814) 1 F-128-A 1 VT-145 (523) 2 VT-44-A 866/866-A 2 VT-42-A F-872-A</p>			<p style="text-align: center;">PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>USE: HIGH POWER MOBILE RADIO RANGE STATION FOR RADIO GUIDANCE OF AIRCRAFT. USES A-N KEYS.</p> <p>RANGE: AT LEAST 300 MILES.</p> <p>TO COMMUNICATE WITH: ANY 0.2 - 0.4 Mc. RECEIVER.</p> <p>TO REPLACE IN PART: NONE</p> <p>TRANSPORTATION: MOBILE IN K-29 TRAILER.</p> <p>TYPE OF SIGNAL: CW, MCW, VOICE.</p>			<p style="text-align: center;">CHANGE IN STATUS:</p>			 <p style="text-align: center;">PORTABLE RADIO RANGE, RADIO SET SCR-277 WITH ANTENNA SYSTEM ERECTED</p>	
<p style="text-align: center;">PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)</p>						 <p style="text-align: center;">RADIO SET SCR-277, INSTALLED IN TRAILER K-29</p>				
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION					
	HEIGHT	WIDTH	DEPTH							
ANTENNA TUNING UNIT BC-469	33"	24"	16"	141#	RESTRICTED					
GONIOMETER UNIT BC-468	44"	22"	29"	234#	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: TO 08-10-93	STATUS: CHANGE IN STATUS:	LIMITED STANDARD 10 Nov 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-280		
			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: (MD OR XTAL) MD 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 NULL DIRECTIONAL 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)						
		DIMENSIONS				
ITEM	HEIGHT	WIDTH	DEPTH	WEIGHT	CLASSIFICATION	
RADIO COMPASS UNIT BC-431-A	7 7/8	12	19 13/16	42.0		
2-RADIO CONTROL BOX BC-432-B	7 1/2	7 1/2	3 15/16	8.0 (40 EA.)		
LOOP LP-19-A	25 3/8	13 1/2	9	7.06		
2-COMPASS INDICATOR I-65-D	3 1/4	3 1/4	4 9/32	3.2 (12 EA.)		
INDICATOR I-75						
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-66 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

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

INSTRUCTIONAL LITERATURE: TM 11-200	STATUS:	LIMITED STANDARD 13 Nov 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-283		
 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">RADIO SET SCR-283 SHOWING RADIO OPERATOR'S POSITION 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 A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)		
						<p>FREQUENCY RANGE: (Kc) RECEIVING- 201-398 Kc, 4150-7700 Kc. TRANSMITTING- 2500-7700 Kc. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE</p> <p>ANTENNA: RECVRS: 5 FT. VERTICAL MAST. TRANS: "T" OR "L" TYPE 16 TO 18 FT. LONG. TUNING: (MO OR XTAL) MO</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 24 VOLT PLANE BATTERY</p> <p>SIMILAR SETS: SCR-183 EXCEPT 24 V.</p> <p>POWER OUTPUT: (WATTS) VOICE 3.3; MCW 3.2; CW 4.0.</p> <p>TUBE: (TYPE AND NUMBER) SCR-AL-283 USED: 4 TYPE 39 1 TYPE 37 1 TYPE 38 2 TYPE 10 2 TYPE 45 SPL.</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:					43.20 (INCLUDING MIRROR COIL)	
COMBINED VOLUME:					1.5 Cu.Ft.	
SHIP TONNAGE:						


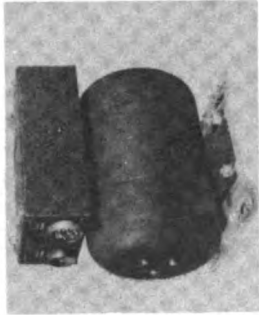
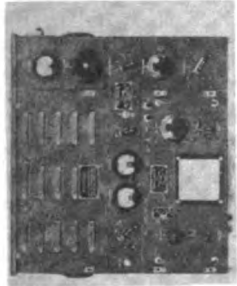
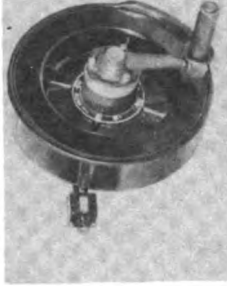
THIS SHEET IS CLASSIFIED: UNCLASSIFIED

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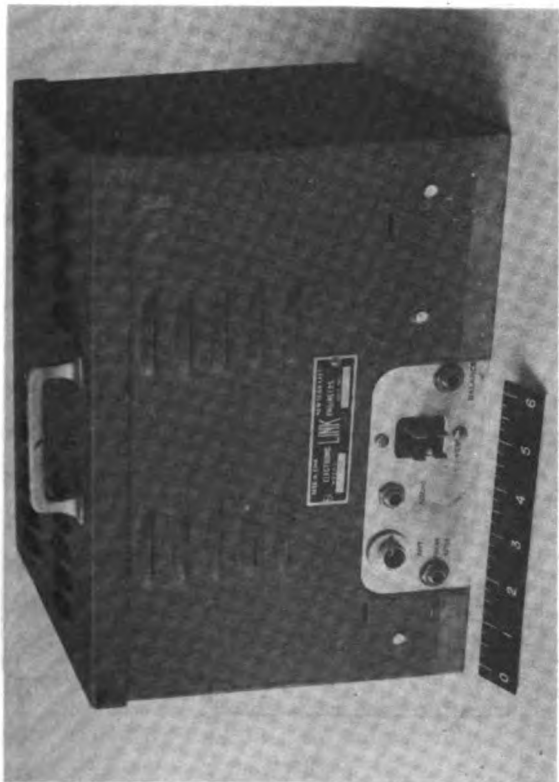
(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

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:) FREQUENCY RANGE: (MC) 3.8 TO 5.8 NUMBER OF CRYSTALS: 1 IN CALIBRATOR. PRESET FREQUENCIES: NONE ANTENNA: 15' FIVE SECTION FISHPOLE TYPE FOR TRUCK USE. 25' EIGHT SECTION FISHPOLE WHEN STATIONARY OR FOR FIELD USE. L TYPE WIRE TUNING: (MO:OR XTAL) MO WITH XTAL CALIBRATOR. SENSITIVITY: SELECTIVITY: 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.) SIMILAR SETS: SCR-288 POWER OUTPUT: (WATTS) HIGH POWER: CW-20; VOICE-5 LOW POWER: CW-8; VOICE-2. TUBES: (TYPE AND NUMBER) 1 6C-654-A TRANS. & REOVR. REOVRs: 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.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) 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. RANGE: (MILES) CW-30; VOICE-7. TO COMMUNICATE WITH: SCR-131; SCR-161; SCR-183; SCR-274-N; SCR-284; SCR-288; SCR-536. TO REPLACE IN PART: SCR-131; SCR-161; SCR-171; SCR-288. TRANSPORTATION: TWO OR THREE MEN, OR IN VEHICLE. TYPE OF SIGNAL: CW; VOICE.				CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)											
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION					
		HEIGHT	WIDTH	DEPTH							
REOVR. & TRANS. 6C-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: BC-348-C - TO 08-10-47 BC-375-C - TO 08-10-60	STATUS: CHANGE IN STATUS:	SCR-287-A STANDARD 31 Oct 39	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	<h1 style="margin: 0;">SCR-287</h1>																																																																																																			
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>RADIO RECEIVER BC-348-B</p> </div> <div style="text-align: center;">  <p>DYNAMOTOR UNIT PE-73-B</p> </div> </div> <div style="text-align: center; margin-top: 20px;"> <p>RADIO SET SCR-287-A. PRINCIPAL COMPONENTS (RECEIVER BC-348-C CONTAINS CRYSTAL FILTER.)</p> </div> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>RADIO TRANSMITTER BC-375-C</p> </div> <div style="text-align: center;">  <p>REEL RL-30-B</p> </div> </div>			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: 1.5 - 18 REOVR. Mc. TRANS. - 1.5 - 12.5 Mc.; 260-500 Kc.; 650-1500 Kc. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: TRAILING WIRE ANTENNA. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 24 VOLTS, DC AND PE-73 SIMILAR SETS: SCR-187 EXCEPT 12 V. POWER OUTPUT: (WATTS) 60 @ 12 Mc/s, 30 @ 1.5 Mc/s. TUBES: (TYPE AND NUMBER) SCR-287-A USES: TRANS. 4 VT-4-C REOVR: 1 VT-48 1 VT-25 1 VT-65 1 VT-70 3 VT-86 1 VT-91 1 VT-93	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: AIRBORNE LIAISON SET. AIR-TO-AIR, AIR-TO-GROUND COMMUNICATION. RANGE: (MILES) 50 TO SEVERAL HUNDRED MILES. TO COMMUNICATE WITH: SCR-188; SCR-193; SCR-197 AND SCR-299. TO REPLACE IN PART: TRANSPORTATION: INSTALLED IN AIRCRAFT. TYPE OF SIGNAL: CW; MCW; VOICE.																																																																																																				
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																																																																																					
<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>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> <tr> <td colspan="6"> NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE. </td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td colspan="2">250# APPROX.</td> </tr> <tr> <td colspan="4">COMBINED VOLUME:</td> <td colspan="2">6 CU. FT. APPROX.</td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td colspan="2"></td> </tr> </tbody> </table>						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		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:				250# APPROX.		COMBINED VOLUME:				6 CU. FT. APPROX.		SHIP TONNAGE:					
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INSTRUCTIONAL LITERATURE:	STATUS:	LIMITED STANDARD 23 Apr 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	SCR-294						
	CHANGE IN STATUS:		<p style="text-align: center;">PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (Mo) 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:</p> <table style="margin-left: 20px;"> <tr> <td>2 12K8</td> <td>2 6AC7</td> </tr> <tr> <td>2 12SJ7</td> <td>2 12A6</td> </tr> <tr> <td>1 12SL7GT</td> <td>2 12H6</td> </tr> </table>	2 12K8	2 6AC7	2 12SJ7	2 12A6	1 12SL7GT	2 12H6	<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>
2 12K8	2 6AC7									
2 12SJ7	2 12A6									
1 12SL7GT	2 12H6									
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)										
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION				
		HEIGHT	WIDTH	DEPTH						
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:										



RADIO SET SCR-294
RADIO RECEIVER BC-499. FRONT VIEW
(VEHICULAR FM RECEIVER. REPLACED BY SCR-538)

(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

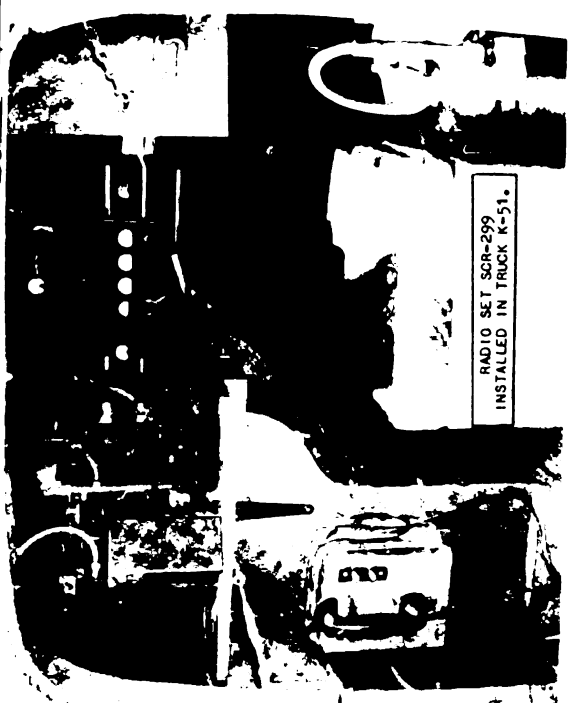
THIS SHEET IS CLASSIFIED: UNCLASSIFIED

<h1>SCR-298</h1>	NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	STATUS:	STANDARD 21 Nov 43	INSTRUCTIONAL LITERATURE: IB - Stook # 60 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 VENUICULAR BATTERY. SIMILAR SETS: SCR-293 POWER OUTPUT: (WATTS) 25 TUBES: (TYPE AND NUMBER) EARLY MODEL USES: 1 EARLY LINK 11-UF MODEL REGRV. - 2 6K8; 1 608G; 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 JUMPIRE 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 #		
REGRV. 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.H.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.

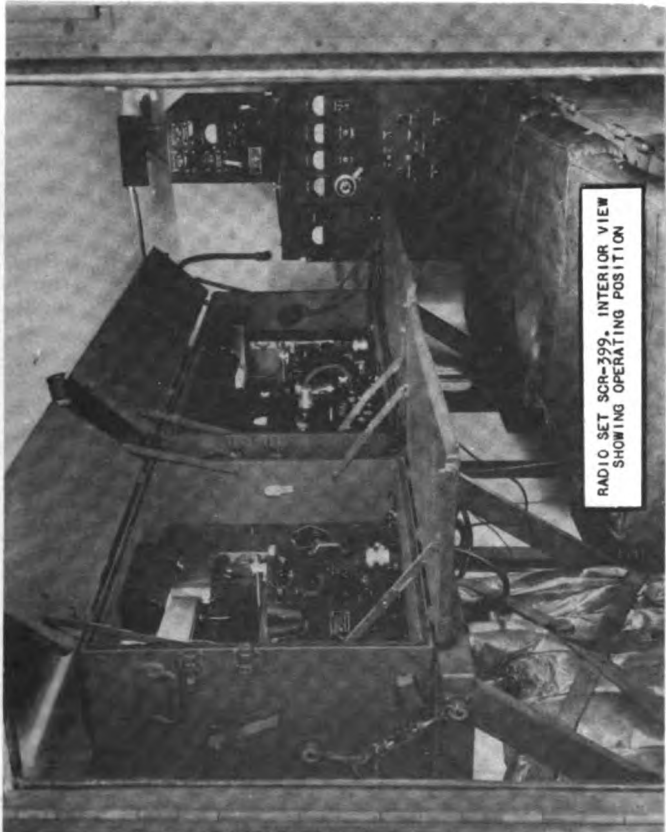
INSTRUCTIONAL LITERATURE: SCR-299-A, B - TM 11-280-B SCR-299-C - IB Stock No. SCR-299-D - IB Stock No. SCR-299-E	STATUS:	LIMITED STANDARD 16 JUL 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-299																																																																			
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)																																																																			
 <p style="text-align: center;">RADIO SET SCR-299 INSTALLED IN TRUCK K-51.</p> <p style="font-size: small;">RADIO SET SCR-299-(A, B, C, & D) ISSUED WITH TRUCK K-51 AND TRAILER K-52 AS INTEGRAL PARTS. SCR-399 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>			FREQUENCY RANGE: (Mc) Trans.: 2 - 8.0 Recvr.: 1.5 - 18.0 NUMBER OF CRYSTALS: 36 FURNISHED. PRESET FREQUENCIES: 3 ANTENNA: WHIP OR LONG WIRE. TUNING: (MO OR XTAL) BOTH SENSITIVITY: SELECTIVITY: POWER SOURCE: COMMERCIAL 110V AC OR 95. SIMILAR SETS: SCR-399; SCR-499. POWER OUTPUT: (WATTS) 400 CW; 300 VOICE. 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.	USE: SIGNAL CORPS, AIRFORCE, FIELD ARTILLERY, CALVARY, INFANTRY. COMPONENTS INSTALLED IN VEHICLES. 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-583. TO REPLACE IN PART: SCR-197 TRANSPORTATION: POWER UNIT 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). TYPE OF SIGNAL: CW; VOICE (AM)																																																																			
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)																																																																				
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COMBINED VOLUME:																																																																							
SHIP TONNAGE:																																																																							

SCR-300		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS: STANDARD 27 Oct 42		INSTRUCTIONAL LITERATURE: TM 11-242			
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) PLUS-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-PAOK. TYPE OF SIGNAL: FM - VOICE.				CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)											
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION					
		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.					



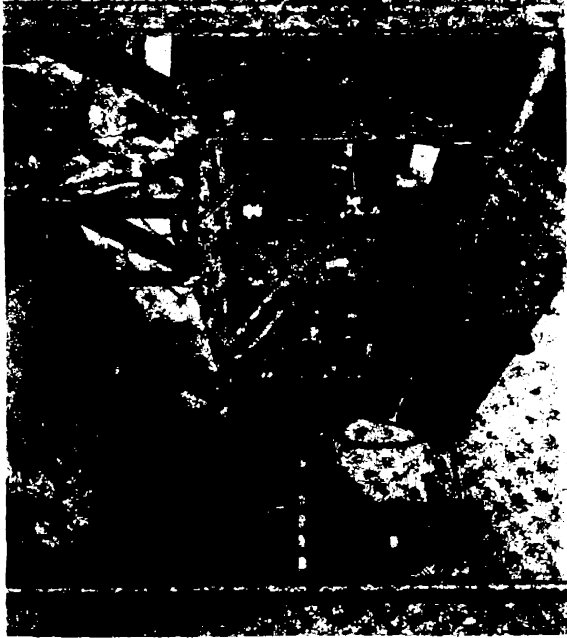
RADIO SET SCR-300. COVER OPEN, SHOWING CONTROLS.

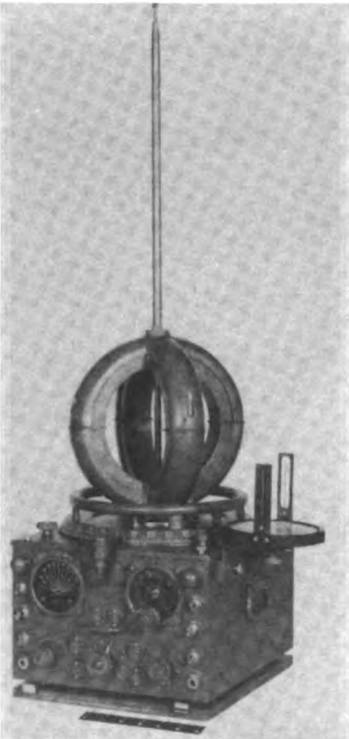
Generated on 2013-11-12 18:37 GMT / http://hdl.handle.net/2027/uc1.b3245423 Public Domain, Google-digitized / http://www.hathitrust.org/access_use#pd-google


INSTRUCTIONAL LITERATURE: TM 11-281	STATUS: CHANGE IN STATUS:	STANDARD 8 JUN 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-399																																																																		
 <div style="position: absolute; left: 380px; top: 380px; border: 1px solid black; padding: 2px; font-size: 8px;"> RADIO SET SCR-399. INTERIOR VIEW SHOWING OPERATING POSITION </div>			PART A - TECHNICAL 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-312; 2 6C5, 1 6F6, 4 6K7, 1 6L7, 1 6R7, 1 5W4, 1 BC-614-B; 3 6SN7GT, 1 6SR7, 1 6SD7, 1 6W5, 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.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) 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-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. 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:) <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <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></td> </tr> <tr> <td>RECEIVERS BC-312 & BC-312</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SPEECH AMPLIFIER BC-614-E</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>ANTENNA TUNING UNIT BC-939</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TRAILER K-52 (POWER UNIT) INCLUDES POWER UNIT PE-95</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>JUNCTION BOX JB-70</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SHELTER HO-17</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	TRANS. BC-610						RECEIVERS BC-312 & BC-312						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:		
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SHIP TONNAGE:																																																																						

(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

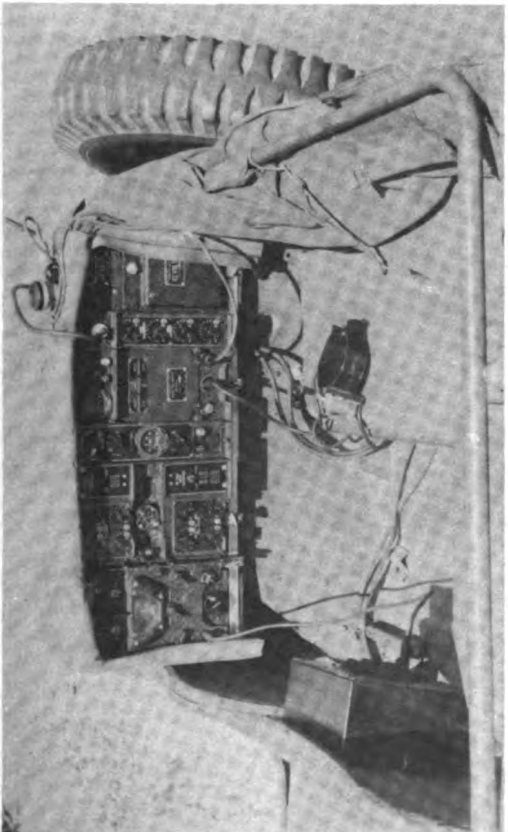
SCR-499		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.			STATUS:	STANDARD 8 Jun 43	INSTRUCTIONAL LITERATURE: TM 11-281
<p style="text-align: center;">PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (MC) Trans. 2.0 - 18.0 Rcvr. 1.5 - 18.0</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 NO-17 AND WITHOUT 1-TON 2ND 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 6KT, 1 6L7, 1 6RT, 1 BC-342; 2 6C5, 1 6F6, 4 6KT, 1 6L7, 1 6RT, 1 584, 1 BC-614-B; 3 6SN7GT, 1 6SN7, 1 6 SQ7, 1 6J5, 1 8C, 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 style="text-align: center;">PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</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>			CHANGE IN STATUS:	<p style="writing-mode: vertical-rl; transform: rotate(180deg);"> RADIO SET SCR-499 INCLUDES RADIO COMPONENTS OF RADIO SET SCR-399 PACKED FOR AIRBORNE SHIPMENT. DOES NOT INCLUDE SHELTER NO-17 AND TRAILER, K-52 FOR POWER UNIT. ABOVE PHOTOGRAPH SHOWS COMPONENTS IN SHELTER NO-17. </p> 		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)								
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION			
	HEIGHT	WIDTH	DEPTH					
TRANS. BC-610								
RCVRS. 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:								

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:) FREQUENCY RANGE: (Mc) .1 - 3.0 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: CROSSED LOOPS TUNING: (MD 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) <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">LOW FREQ. UNITS:</td> <td style="width: 50%;">HIGH FREQ. UNITS:</td> </tr> <tr> <td>2 VT-161</td> <td>1 VT-107</td> </tr> <tr> <td>6 VT-209</td> <td>1 VT-153</td> </tr> <tr> <td>1 VT-155</td> <td>2 VT-161</td> </tr> <tr> <td>2 VT-162</td> <td>2 VT-162</td> </tr> <tr> <td>1 VT-134</td> <td>4 VT-209</td> </tr> </table>	LOW FREQ. UNITS:	HIGH FREQ. UNITS:	2 VT-161	1 VT-107	6 VT-209	1 VT-153	1 VT-155	2 VT-161	2 VT-162	2 VT-162	1 VT-134	4 VT-209	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) 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
LOW FREQ. UNITS:	HIGH FREQ. UNITS:															
2 VT-161	1 VT-107															
6 VT-209	1 VT-153															
1 VT-155	2 VT-161															
2 VT-162	2 VT-162															
1 VT-134	4 VT-209															
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)																
 <p style="text-align: center;">RADIO SET SCR-503</p> <p>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.</p>		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"	1 1/2"	38.5#										
		RECEIVER BC-973	8"	12"	1 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#										
		COMBINED WEIGHT OF COMPONENTS: INCLUDING BRACKETS, CHESTS, CORDS, ETC.				157.5#										
		COMBINED VOLUME OF COMPONENTS:				4.3 Cu.Ft.										
		SHIP TONNAGE:														

SCR-504		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.			STATUS:	INSTRUCTIONAL LITERATURE: TM 11-862 (for SCR-504-A)
						CHANGE IN STATUS:	
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 1L6 ₄ 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.				
PART C - 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.

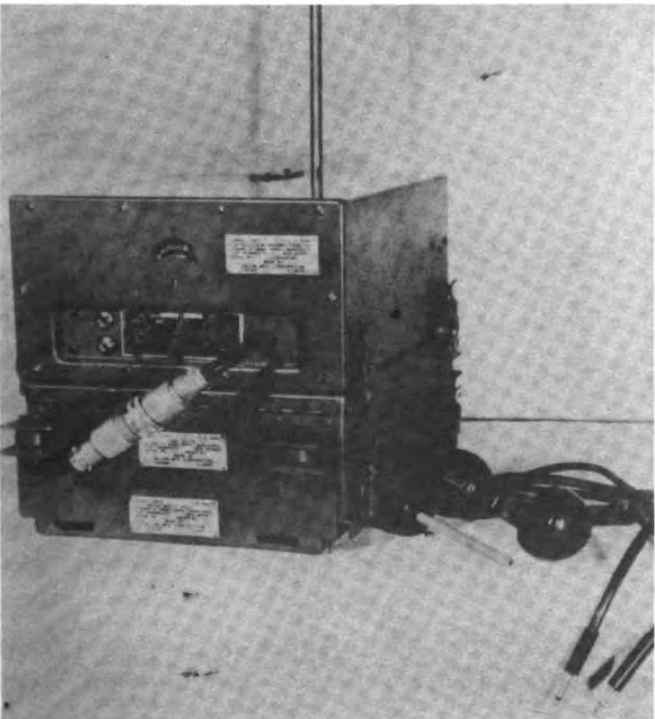
INSTRUCTIONAL LITERATURE: TM 11-630	STATUS: CHANGE IN STATUS:	STANDARD 19 Dec 41	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: <h2 style="text-align: right; margin: 0;">SCR-506</h2>		
		<p style="text-align: center;">PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (MO) TRANS. 2-4.5; REGR. 2-6</p> <p>NUMBER OF CRYSTALS: 1 (XTAL CALIBRATED)</p> <p>PRESET FREQUENCIES: 4</p> <p>ANTENNA: 15' FISHPOLE TO BE USED WHILE MOVING, WITH 10' EXTENSION TO BE USED WHILE AT A HALT.</p> <p>TUNING: (MO OR XTAL) MO</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: VEHICULAR POWER SYSTEM 12 OR 24 V. INPUT.</p> <p>SIMILAR SETS:</p> <p>POWER OUTPUT: (WATTS) 100 CW; 25 WATTS VOICE</p> <p>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 SG 7; 1-DC-653-A; 1-807; 2-814; 2-1613; 2-VR-105-30.</p> <p><u>NOTE:</u> 506-A ALSO LISTED: HAS 18 TUBES, ALSO IDENTICAL WITH SCR-506 SHOWN ABOVE.</p>				
		<p style="text-align: center;">PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: TD; ARMED F; CAV; ENGRS; FA; SIG C; USED IN LIGHT TANK M-3 & IN OTHER ARMORED VEHICLES.</p> <p>RANGE: (MILES) 70 CW; 25 VOICE.</p> <p>TO COMMUNICATE WITH: SCR-131; SCR-171; SCR-187; SCR-193; SCR-203; SCR-209; SCR-210; SCR-238; SCR-245; SCR-259; SCR-287.</p> <p>TO REPLACE IN PART: SCR-193-IN AF</p> <p>TRANSPORTATION (AND OPERATION): IN VEHICLE IN WHICH SET IS INSTALLED.</p> <p>TYPE OF SIGNAL: CW; VOICE (AM)</p>				
<p style="text-align: center;">PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)</p>						
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH		
TRANS. BC-653, REGR. BC-652		13 13/16"	33 1/8"	14 1/4"	176#	
COMBINED WEIGHT OF COMPONENTS:						
COMBINED VOLUME:						
SHIP TONNAGE:						

RADIO SET SCR-506-A. INSTALLED IN TRUCK, 1/4-TON 4 X 4
Front View. Showing Control Panel

SCR-508		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		INSTRUCTIONAL LITERATURE: TM 11-600			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) 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.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: ARMORED FORCE, FIELD ARTILLERY. INSTAL- LATION IN COMMAND TANKS AND VEHICLES OF AF, GHQ., CORPS AND DIVISIONS WHERE IT IS NECESSARY TO MONITOR 2 FREQUENCIES SIMULTANEOUSLY. RANGE: (MILES) 7 IN MOTION. 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; SCR-293. . TRANSPORTATION: VEHICLE. TYPE OF SIGNAL: Voice; FM.				CHANGE IN STATUS:			
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:											



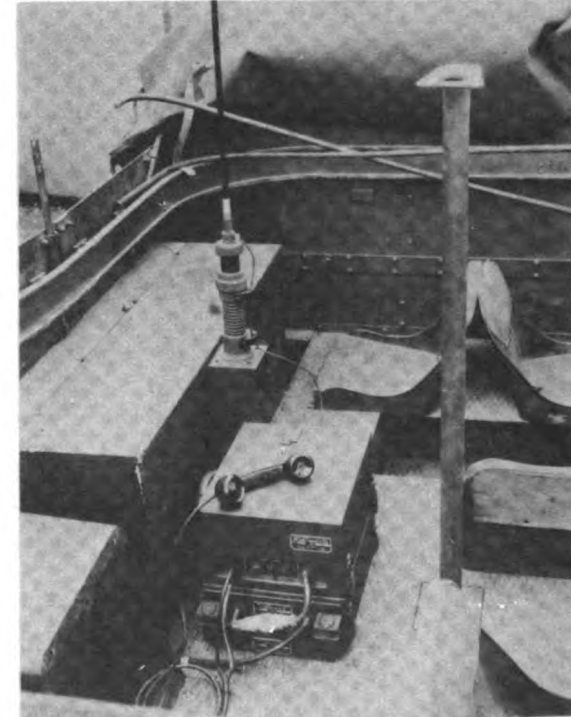
SCR-508 IS A SHORT RANGE, VEHICULAR, FM SET. ARMORED FORCE COMMAND SET (AF 111). HAS INTEGRAL INTERPHONE AMPLIFIER. NOTE: RADIO SETS SCR-508; SCR-528 AND SCR-538 ALL USE COMMON COMPONENTS AS FOLLOWS:
 SCR-508 1 TRANSMITTER; 2 RECEIVERS
 SCR-528 1 TRANSMITTER; 1 RECEIVER
 SCR-538 1 RECEIVER

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>																																
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) 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.	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: ARMED FORCE: TR BN; ARMED RES; INF RES; SHORT RANGE RECONNAISSANCE AND SIMILAR MISSIONS. RANGE: (MILES) 5 ON GROUND. TO COMMUNICATE WITH: SCR-293; SCR-294; SCR-508; SCR-509; SCR-510; SCR-528; SCR-538. TO REPLACE IN PART: SCR-195 WITHIN THE ARMORED FORCE. TRANSPORTATION: MAN ON FOOT OR IN ANY VEHICLE. TYPE OF SIGNAL: VOICE; (FM)																																
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)																																	
<p style="text-align: center;">RADIO SET SCR-509 SET UP FOR OPERATION</p> <p style="text-align: center;">RADIO SET SCR-509 IS A LIGHT WEIGHT, SHORT RANGE FREQUENCY MODULATED SET.</p>			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 40%;">ITEM</th> <th colspan="3" style="text-align: center;">DIMENSIONS</th> <th rowspan="2" style="width: 10%;">WEIGHT</th> <th rowspan="2" style="width: 10%;">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="text-align: center;">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																									
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			COMBINED WEIGHT OF COMPONENTS:																																	
COMBINED VOLUME OF COMPONENTS:																																				
SHIP TONNAGE:																																				

(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

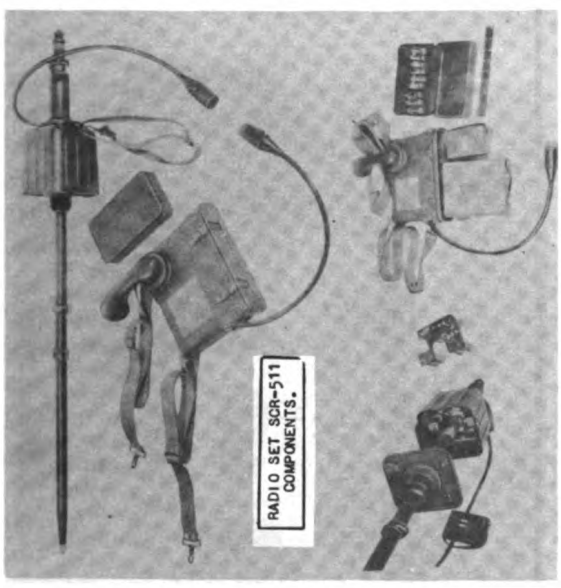

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

SCR-510		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 15 JUL 41	INSTRUCTIONAL LITERATURE: TM 11-605
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 20.0 - 27.9 NUMBER OF CRYSTALS: 80 PRESET FREQUENCIES: 2 ANTENNA: 8 FT. TELESCOPIIC MAST, AND VEHICULAR WHIP. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: DRY BATTERIES OR VIBRATOR PACK FOR OPERATION FROM ANY 6 OR 12 V VEHICULAR BATTERY. SIMILAR SETS: SCR-509 WHICH USES DRY BATTERIES ONLY. POWER OUTPUT: (WATTS) 1.8 100% MODULATION. 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.			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: FA: ARMD BTRY; MED: Co BN ARMD; SIG Co; Co ARMD; ARMD F; TD: BN. USED BY FORWARD OBSERVERS FOR LIAISON PURPOSES. RANGE: (MILES) 5 IN MOTION. TO COMMUNICATE WITH: SCR-293; SCR-294; SCR-508; SCR-509; SCR-510; SCR-528; SCR-538. TO REPLACE IN PART: SCR-194; SCR-195. 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					
REOVR. & TRANS. BC-620- PLATE SUPPLY UNIT PE-97								
COMBINED WEIGHT OF COMPONENTS:				65#				
COMBINED VOLUME:				1.3 cu. ft.				
SHIP TONNAGE:								

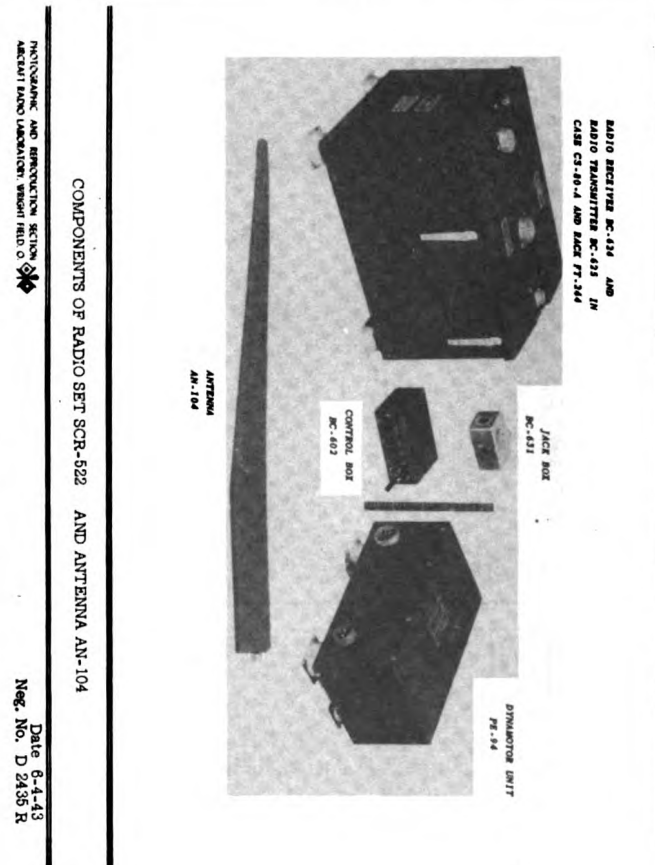


RADIO SET SCR-510 SHOWING SET INSTALLED IN RIGHT CENTER SECTION OF SCOUT CAR M3A1

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.

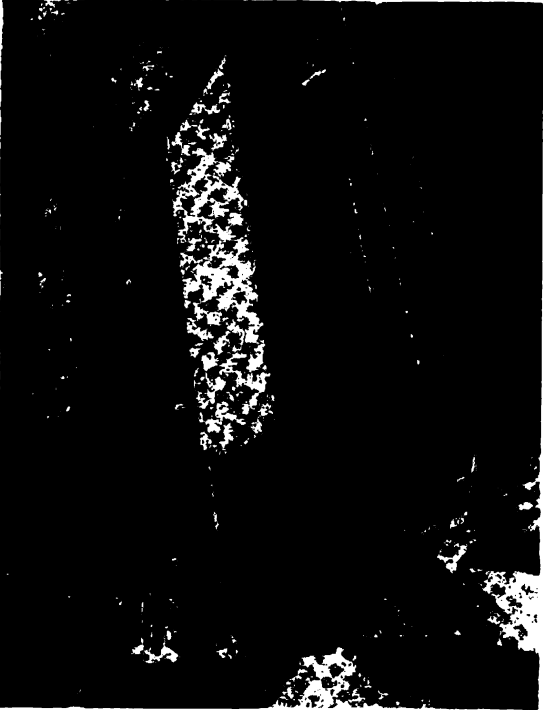
INSTRUCTIONAL LITERATURE: TM 11-245	STATUS:	STANDARD 1 JUN 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: <h1>SCR-511</h1>																																																													
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)																																																												
 <p>RADIO SET SCR-511 COMPONENTS.</p> <p>RADIO SET SCR-511 IS A LIGHT WEIGHT VOICE-OPERATED SET USED FOR COMMUNICATION BETWEEN SMALL UNITS OF THE CAVALRY. THIS SET CAN BE USED BY PERSONNEL WHO ARE NOT TRAINED RADIO SPECIALISTS.</p>			FREQUENCY RANGE: (Mc) 3.0 - 6.0. NUMBER OF CRYSTALS: 2 IN EACH TUNING UNIT; 13 TUNING UNITS/ SET AUTHORIZED. PRESET FREQUENCIES: 1 TUNING UNIT INSTALLED; 1 SPARE TUNING UNIT CARRIED WITH SET. ANTENNA: TELESCOPE MAST. THIS ANTENNA ACTUATES SET'S ON-OFF SWITCH WHEN EXTENDED. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: INTEGRAL DRY BATTERIES BA-49. SIMILAR SETS: NONE POWER OUTPUT: (WATTS) 0.75 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 PH-31; 1 2X2(VT-119) 1 5U4G(VT-244) 1 6AC7(VT-112) 1 6L6G(VT-115) 1 VR-105-30(VT-200)		USE: CAV. TR; ENGR. CO. & TR; INF; PARA, MTH, & AIRBORNE UNITS; SIG CO CO MTH DIV; CO MTH DIV; CO AMPHIBIAN. RANGE: (MILES) 5 NORMAL TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: MAN ON FOOT, HORSE, OR VEHICLE. TYPE OF SIGNAL: Voice (AM)																																																												
			 <p>RADIO SET SCR-511 AS USED BY MOUNTED TROOPS.</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>RADIO RECVR. & TRANS. BC-745</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TUNING UNIT BC-746</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>POWER SUPPLY UNIT PE-157</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CHEST UNIT T-39</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MOUNTING FT-358</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>BATTERY BA-49</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>20#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME:</td> <td>0.5 cu.ft.</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	RADIO RECVR. & TRANS. BC-745						TUNING UNIT BC-746						POWER SUPPLY UNIT PE-157						CHEST UNIT T-39						MOUNTING FT-358						BATTERY BA-49						COMBINED WEIGHT OF COMPONENTS:				20#		COMBINED VOLUME:				0.5 cu.ft.		SHIP TONNAGE:		
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																																												
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SHIP TONNAGE:																																																																	

<h1>SCR-522</h1>		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.			STATUS:	STANDARD 8 Sep 41	INSTRUCTIONAL LITERATURE: TO 08-10-105		
<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>FREQUENCY RANGE: (Mc) 100 - 156 Mcs NUMBER OF CRYSTALS: 8 (4 TRANS. 4 REGRV.) PRESET FREQUENCIES: 4 PRESET CHANNELS BOTH REGRV. & 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 - 12J5BT 3 - 12SQ7 1 - 12C8 2 - 8J2 1 - 9002 3 - 12A6 3 - 9003 1 - 6X6G 1 - 12AH7BT 2 - 6SS7</p>			<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>USE: AIR CORPS - USED IN ALL TYPES OF AIRCRAFT. FOR: AIR-TO-AIR; AIR-TO-GROUND COMMUNICATION.</p> <p>RANGE: (MILES) 130 AT 10,000 FEET. (LINE OF SIGHT)</p> <p>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.</p> <p>TO REPLACE IN PART: SCR-274-N AND SCR-283.</p> <p>TRANSPORTATION: AIRBORNE INSTALLATION.</p> <p>TYPE OF SIGNAL: VOICE AND SPECIAL TONE SIGNAL WHEN USED WITH CONTACTOR EQUIPMENT RC-96.</p>			CHANGE IN STATUS:				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)										
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION					
	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 15/64"	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:										

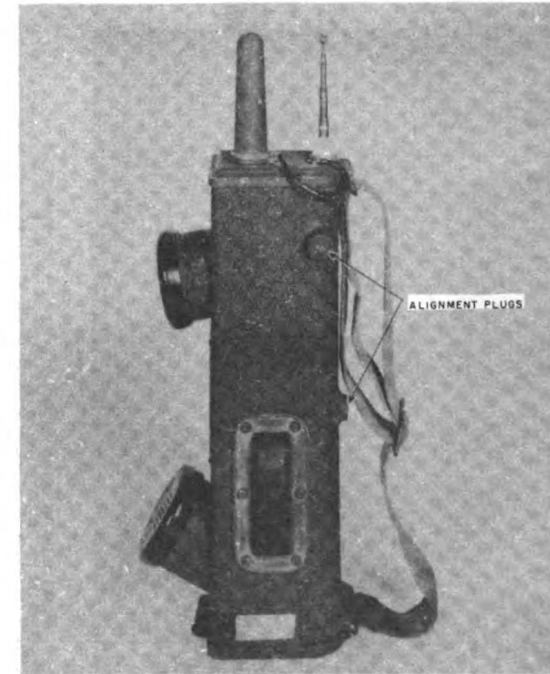


COMPONENTS OF RADIO SET SCR-522 AND ANTENNA AN-104

Date 6-4-43
Neg. No. D 2435 R

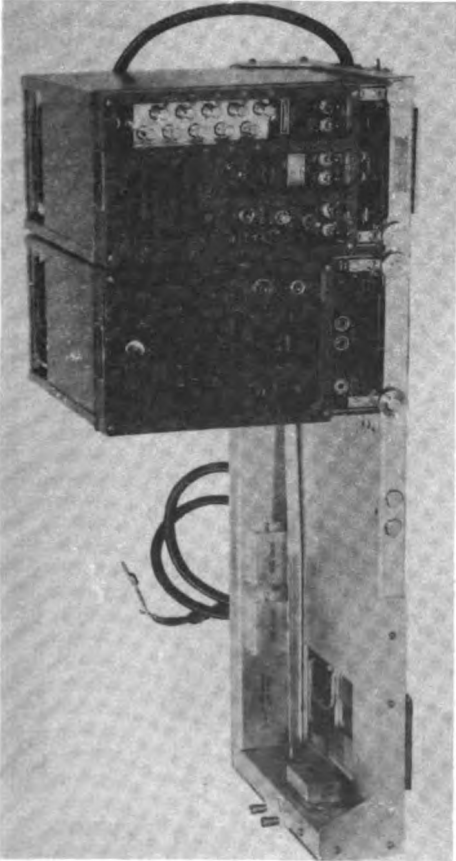
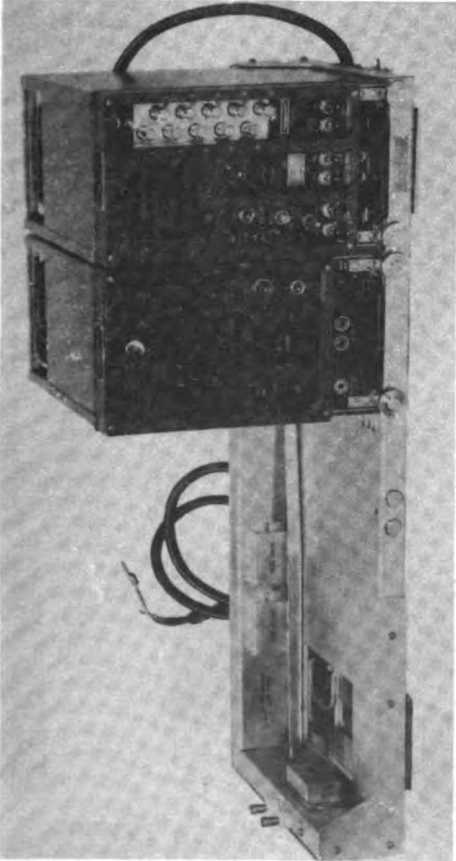
INSTRUCTIONAL LITERATURE: TM 11-600	STATUS: CHANGE IN STATUS:	STANDARD 22 JUL 41	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: <h1 style="text-align: right;">SCR-528</h1>		
 <p style="text-align: center;">RADIO SET SCR-528 INSTALLED IN DODGE TRUCK, 3/4-TON 4 X 4 COMMAND VEHICULAR, SHORT RANGE FM TRANSMITTER AND RECEIVER. See SCR-508.</p>			<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (Mc) 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 (MC OR XTAL): XTAL</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 12v:(XMT)DM-35 (RECV.)DM-34 24v:(XMT)DM-37 (RECV.)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 X8 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 OIITED TO SHOW TUBE CONTENT AS BEING FM R- LY TYPICAL.)</p>	<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: CW; ENCR; FA; MED DEPT; QMC; ARMO F; INTERMEDIATE COMMAND TRKS & VEHICLES OF ARMORED FORCE, GHO, 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>			
<p>ITEM</p>		<p>DIMENSIONS</p>			<p>WEIGHT</p>	<p>CLASSIFICATION</p>
<p>TRANSMITTER BC-604 (INTEGRAL INTERPHONE) RECEIVER BC-603 MOUNTING FT-237</p>		<p>HEIGHT 14"</p>	<p>WIDTH 14 1/2"</p>	<p>DEPTH 3 1/2"</p>	<p>175 #</p>	
<p>COMBINED WEIGHT OF COMPONENTS:</p>						
<p>COMBINED VOLUME:</p>						
<p>SHIP TONNAGE:</p>						

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					
		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 #						



RADIO SET SCR-536

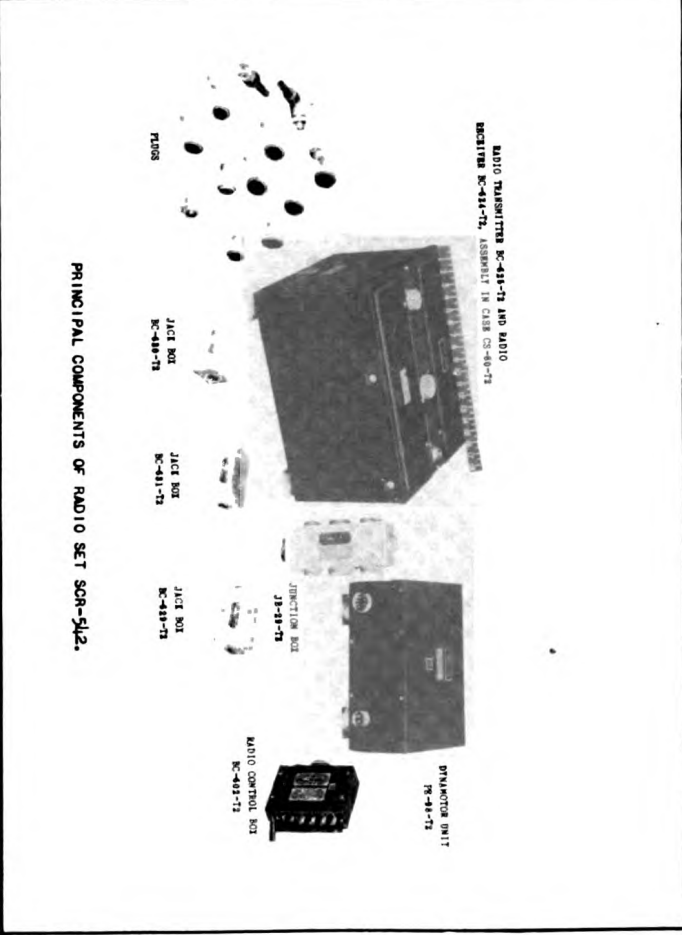
RADIO SET SCR-536 IS A VERY COMPACT RECEIVER - TRANSMITTER RESEMBLING AN OVERSIZE TELEPHONE HAND SET. COMPLETE WITH BATTERIES, ANTENNA, TRANSMITTER, RECEIVER, - AND HAND SET IN ONE CASE.

INSTRUCTIONAL LITERATURE: TM 11-600	STATUS: CHANGE IN STATUS:	STANDARD 29 APR 41	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: <h1 style="margin: 0;">SCR-538</h1>																																	
		PART A - TECHNICAL 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; 2-12SG7. 1-605-A; 2-1619 TUBES.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: CAW; MEZ & MYZD; ARMO F; TANK AND MAINTENANCE UNITS. RANGE: (MILES) TO COMMUNICATE WITH: SCR-295; SCR-508; SCR-509; SCR-510; SCR-528. TO REPLACE IN PART: SCR-210; SCR-294. TRANSPORTATION: TRANSPORTED AND OPERATED IN VEHICLE TYPE OF SIGNAL: VOICE (FM)																																	
		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																			
		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-538 ONLY PARTLY. SEE SCR-508.		<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>RECEIVER BC-603. INTERPHONE AMP. BC-605 MOUNTING FT-237, MAST BASE MP-37 OR 57</td> <td style="text-align: center;">14"</td> <td style="text-align: center;">14 1/2"</td> <td style="text-align: center;">3 1/2"</td> <td style="text-align: center;">135 #</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	RECEIVER BC-603. INTERPHONE AMP. BC-605 MOUNTING FT-237, MAST BASE MP-37 OR 57	14"	14 1/2"	3 1/2"	135 #		COMBINED WEIGHT OF COMPONENTS:						COMBINED VOLUME:						SHIP TONNAGE:			
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"	3 1/2"	135 #																																	
COMBINED WEIGHT OF COMPONENTS:																																					
COMBINED VOLUME:																																					
SHIP TONNAGE:																																					

(VERY HIGH FREQUENCY AIRBORNE COMMAND SET)


THIS SHEET IS CLASSIFIED: **RESTRICTED**

<h1>SCR-542</h1>		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	INSTRUCTIONAL LITERATURE: TO 08-10-105
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 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 - 852 1 - 9002 3 - 12A6 3 - 9003 1 - 6G6G 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 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	
	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:						

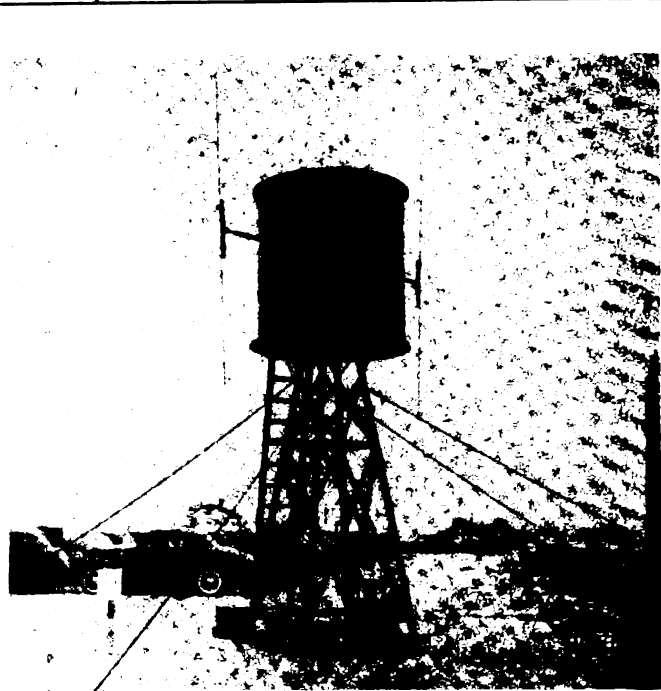



THIS SHEET IS CLASSIFIED: UNCLASSIFIED

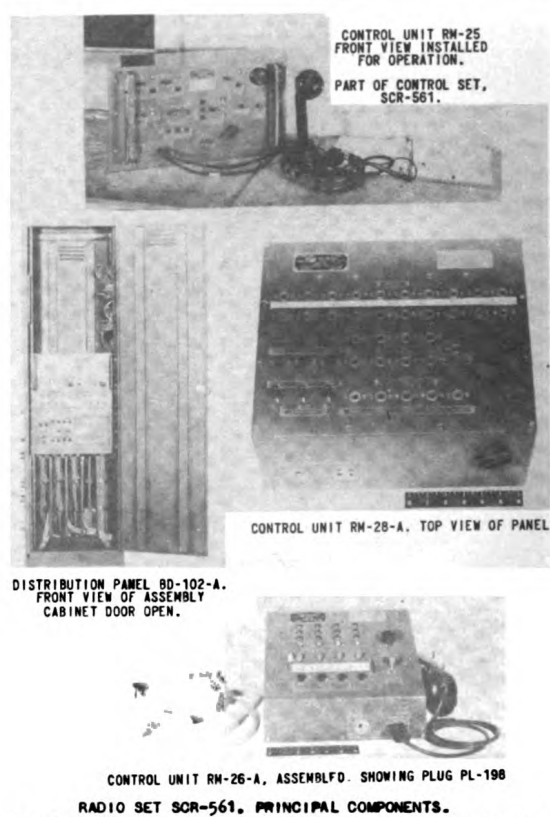
(GROUND SIGNAL EQUIPMENT: GROUND RADIO)

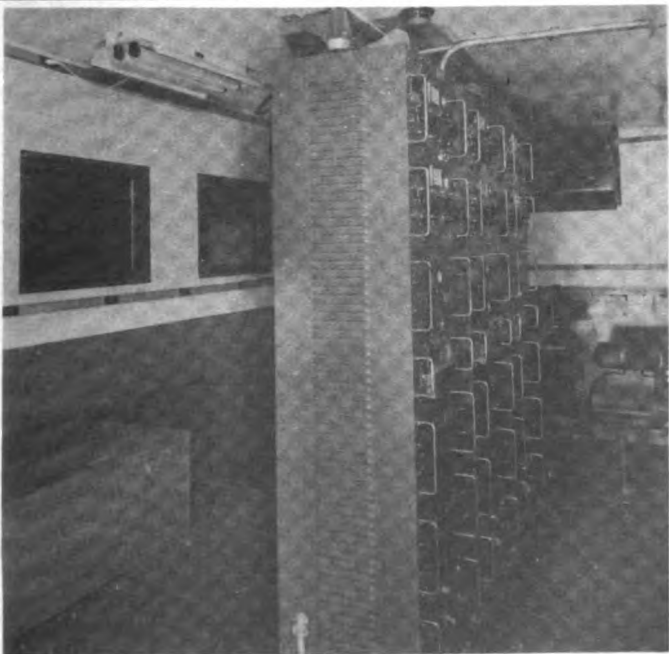
INSTRUCTIONAL LITERATURE: TM 11-625	STATUS: CHANGE IN STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: <h1 style="text-align: center;">SCR-543</h1>																																														
 <p style="text-align: center;">RADIO SET SCR-543 Radio Receiver and Transmitter BC-669, Power Supply PE-110 Power Unit PE-108, Remote Control Unit RH-21</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">MEDIUM POWER MOBILE COMMAND SET. CAPABLE OF OPERATION IN A MOVING VEHICLE</p>			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 12J5GT; 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:)																																															
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THIS SHEET IS CLASSIFIED: UNCLASSIFIED

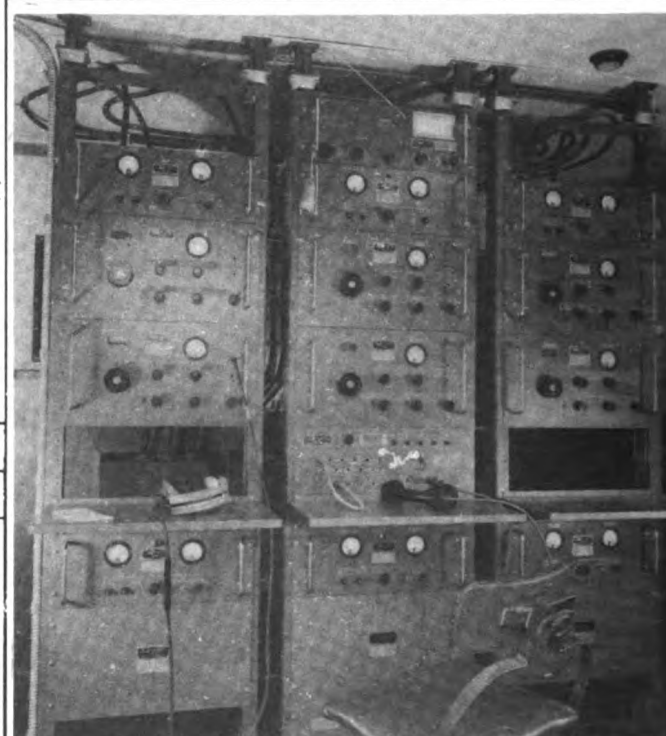
SCR-551		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	SUBSTITUTE STANDARD 11 JUN 42	INSTRUCTIONAL LITERATURE: TM 11-2,7 (FOR SCR-551-A)																								
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 2.0 TO 20.0 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: ADOOOK 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) <table style="margin-left: 20px;"> <tr><td>1</td><td>VT-66</td><td>3</td><td>VT-80</td></tr> <tr><td>3</td><td>VT-86</td><td>3</td><td>VT-90</td></tr> <tr><td>3</td><td>VT-91</td><td>1</td><td>VT-99</td></tr> <tr><td>2</td><td>VT-105</td><td>4</td><td>VT-116</td></tr> <tr><td>6</td><td>VT-124</td><td>1</td><td>VT-163</td></tr> <tr><td>4</td><td>6ZF5</td><td>1</td><td>3BP1 (C.R.)</td></tr> </table>			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	6ZF5	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:		
1	VT-66	3	VT-80																												
3	VT-86	3	VT-90																												
3	VT-91	1	VT-99																												
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PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)																															
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																										
	HEIGHT	WIDTH	DEPTH																												
CS-121 CONTAINERS:			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#																											
ADOOK ANTENNA		13'		33#																											
SHELTER HO-11	86"	80"	80"	205#																											
COMBINED WEIGHT OF COMPONENTS: INCLUDING CREEPS, LADDER, BATTERIES				2600#																											
COMBINED VOLUME OF COMPONENTS:																															
SHIP TONNAGE:																															

INSTRUCTIONAL LITERATURE:	STATUS:	STANDARD 30 Oct 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-555																																																																																													
	CHANGE IN STATUS:																																																																																																	
 <p style="text-align: center;">RADIO SET SCR-555 PREPARED FOR DIRECTION FINDING</p> <p>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.</p>			<p style="text-align: center;">PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (Mc) 18 - 65</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES: NONE</p> <p>ANTENNA: ADHOOK</p> <p>TUNING: (MO OR XTAL) DOES NOT APPLY</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 12 V STORAGE BATTERY</p> <p>SIMILAR SETS: SCR-551; SCR-556</p> <p>POWER OUTPUT: (WATTS) DOES NOT APPLY</p> <p>TUBES: (TYPE AND NUMBER)</p> <table style="width:100%; border: none;"> <tr> <td style="width:50%;">1 VT-90</td> <td style="width:50%;">2 VT-94</td> </tr> <tr> <td>2 VT-112</td> <td>2 VT-131</td> </tr> <tr> <td>1 VT-198-A</td> <td>3 VT-209</td> </tr> <tr> <td>1 VT-211</td> <td>1 VT-233</td> </tr> <tr> <td>2 VT-268</td> <td></td> </tr> </table>		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		<p style="text-align: center;">PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: RADIO DIRECTION FINDER FOR LOCATING ENEMY TRANSMITTERS.</p> <p>RANGE:</p> <p>TO COMMUNICATE WITH: DOES NOT APPLY</p> <p>TO REPLACE IN PART: NONE</p> <p>TRANSPORTATION: CARGO TRUCK</p> <p>TYPE OF SIGNAL: DOES NOT APPLY</p>																																																																																			
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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) 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. 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 PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE.) SIMILAR SETS: CONTROL SET SCR-642 POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) CHARGERS: 1 890L8. REPEATER EE-99-T3; 12 3Q5GT; 12 IN5GT. TUBE TESTER 504-A SUPREMI; 1 71-A; 1 NEON BULB. VOLTCOMYST MODEL 105 RCA; 2 6K6GT; 1 6X5GT. BALLANTINE VOLT METER 300-A; 1 6J7; 2 6SJ7; 1 6X5GT; 1 6H6; 2 CD-2005. OSCILLOSCOPE 155 RCA; 1 3AP1-906P1; 2 6C6; 2 80; 1 80L. GENERATOR 205-A; 1 6S7; 1 6F6; 26SF5; 2 6L6G; 1 57L; 1 6H6.			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 FOUR AIRCRAFT SQUADRONS, FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. RANGE: (Miles) See SCR-562; SCR-563 etc. 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. TO REPLACE IN PART: TRANSPORTATION: NONE TYPE OF SIGNAL: SEE BELOW		CHANGE IN STATUS:		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)							
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	 <p>CONTROL UNIT RM-25 FRONT VIEW INSTALLED FOR OPERATION. PART OF CONTROL SET, SCR-561.</p> <p>CONTROL UNIT RM-26-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> <p>RADIO SET SCR-561. PRINCIPAL COMPONENTS.</p> <p>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.</p>	
	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			

INSTRUCTIONAL LITERATURE:	STATUS:	STANDARD AS COMPONENT OF SCS-2	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	<h1>SCR-562</h1>																																																																																																									
	CHANGE IN STATUS:																																																																																																													
	PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																																																																																										
	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)			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 TELE- PHONE 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 MCM																																																																																																										
	TUBES: (TYPE AND NUMBER) 6-BC-640 TRANS: 8 EACH, (4B) 5Z3; 4 EACH (2) 6J5; 3 EACH (1B) 1613; 2 EACH (12) 811; 1 EACH (6) 807; 5 EACH (50) HK24G. 1-OSCILLOSCOPE RCA #155; 1-3AP1/906P1; 2-6CG; 2-80; 1-884; 1-VOLT OHMYSY RCA-165; 2-6K6GT; 1-6X5GT.																																																																																																													
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>6 TRANSMITTERS BC-640 (1 SPARE)</td> <td>72"</td> <td>21"</td> <td>20"</td> <td>515#</td> <td></td> </tr> <tr> <td>2 CONTROL UNITS RM-27</td> <td>19"</td> <td>11 3/8"</td> <td>18 1/2"</td> <td>29#</td> <td></td> </tr> <tr> <td>2 POWER UNITS PE-99</td> <td>55"</td> <td>28"</td> <td>50"</td> <td>1600#</td> <td></td> </tr> <tr> <td>8 ANTENNA EQUIPMENT RC-81</td> <td>12"</td> <td>28 5/8"</td> <td>38 1/2"</td> <td>4#</td> <td></td> </tr> <tr> <td>2 TRAILERS K-35 EACH</td> <td>120"</td> <td>96"</td> <td>19 1/4"</td> <td>6500#</td> <td></td> </tr> <tr> <td>2 ONE-TON CARGO TRAILERS</td> <td>72"</td> <td>72"</td> <td>14 1/4"</td> <td>1300 #</td> <td></td> </tr> <tr> <td>4 ANTENNA AN-56 EACH</td> <td>188"</td> <td>43 1/2"</td> <td>25 3/4"</td> <td>2000#</td> <td></td> </tr> <tr> <td>MADE UP -</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Box 1</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 2</td> <td>13 1/2"</td> <td>5 1/2"</td> <td>14 7/8"</td> <td>190#</td> <td></td> </tr> <tr> <td>Box 3</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 4</td> <td>36 5/8"</td> <td>34 3/4"</td> <td>17 1/2"</td> <td>495#</td> <td></td> </tr> <tr> <td>Box 5</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>43000 LBS</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS:</td> <td>5100 cu. FT.</td> <td></td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td>21 1/2</td> <td>TON.</td> </tr> </tbody> </table>						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"	18 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	188"	43 1/2"	25 3/4"	2000#		MADE UP -						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#		Box 5						COMBINED WEIGHT OF COMPONENTS:				43000 LBS		COMBINED VOLUME OF COMPONENTS:				5100 cu. FT.		SHIP TONNAGE:				21 1/2	TON.
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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: TRANS- MITTER 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. INTERCOMMUNI- CATION WITH THE OPERATIONS BLOCK IS ALSO PROVIDED. SIX (6) TRANSMITTERS ARE PRO- VIDED BY PATCHING TOGETHER THE TWO (2) TRAILERS K-35.																																																																																																														

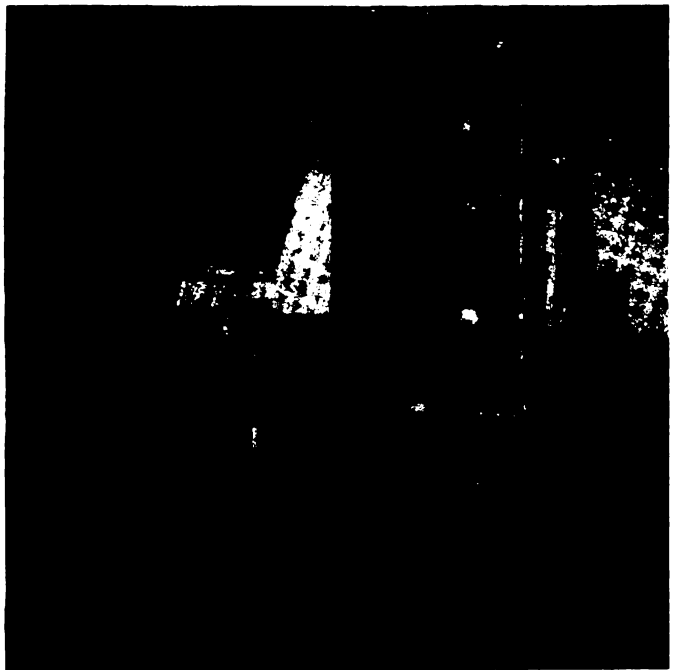
SCR-563		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	STATUS:	INSTRUCTIONAL LITERATURE:
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MC) 100 - 156 NUMBER OF CRYSTALS: 5 IN USE (FULL XTAL COMPLEMENT TO BE DETERMINED BY AAF). PRESET 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 μ V/METER 50 MW OUTPUT. SELECTIVITY: 2 TIMES DOWN LESS 100 KC. 1000 TIMES DOWN MORE 350 KC. POWER SOURCE: POWER UNIT PE-99 (7 $\frac{1}{2}$ KVA 110V 3 PHASE 60 CYCLE); ALSO HAS PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE. SIMILAR SETS: SCR-633 (FIXED) POWER OUTPUT: (WATTS) 1 (DISTORTED). $\frac{1}{2}$ W(10% DISTORTION.) TUBES: (TYPE AND NUMBER) RECEIVING SET FOR SCS-2. 6 BC-639-A; 18 9003; 6 9002; 2L 6SG7; 6 6K6GT; 6 6SQ7; 1 BC-638-A; 1 5V4G; 1 9002; 2 9003; 1 6L5G; 1 6E5; 1 6SK7. 6 RA-42-A; 6 5V4G.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) 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: 1 TRAILER K-35. 1 ONE-TON CARGO TRAILER. TYPE OF SIGNAL: RECEIVERS VOICE, TONE MODULATED SIGNAL AND CW.		CHANGE IN STATUS:	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)					
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
1 TRAILER K-35	120"	96"	19 $\frac{1}{2}$ "	6500#	
1 ONE-TON CARGO TRAILER	72"	72"	1 $\frac{1}{2}$ "	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#	
5 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 $\frac{1}{2}$ #	
4 ANTENNA AN-56 EACH MADE UP: Box - 1	158"	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"	11 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				29,000 #	
COMBINED VOLUME OF COMPONENTS				3000 CU. FT.	
SHIP TONNAGE:				14 1/2 T	



RECEIVING EQUIPMENT KE-2-A, PART OF RADIO SET SCR-563 OPERATOR'S POSITION.

CONTROLLER LOCATED AT THE OPERATIONS BLOCK (SCR-561) COMMUNICATES WITH PILOT BY MEANS OF THE RECEIVER OF THE SCR-563 OVER WIRE LINE CONNECTIONS.

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INSTRUCTIONAL LITERATURE:	STATUS:	STANDARD AS COMPONENT OF SCS-2	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-564				
	CHANGE IN STATUS:								
	PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)					
	<p>FREQUENCY RANGE: (MO) 100-156</p> <p>NUMBER OF CRYSTALS: Two (2) IN USE (COMPLETE XTAL COMPLEMENT TO BE DETERMINED BY AAF)</p> <p>PRESET FREQUENCIES: Two (2) (SEE BELOW*)</p> <p>ANTENNA: ADOOOK-DIRECTIONAL D/F WITH SENSE</p> <p>TUNING: (MO OR XTAL) VARIABLE</p> <p>SENSITIVITY: 2-3 MICROVOLTS/METER AT 50MW.</p> <p>SELECTIVITY: 2 TIMES DOWN LESS 100,000; 1000 TIMES DOWN MORE 350 KO.</p> <p>POWER SOURCE: POWER UNIT PE-99 (7½ KVA 110V, 60 CY- CLE 3 PHASE. ALSO PROVISIONS FOR USING COMMEN- TIAL POWER FROM A 110V 2 WIRE SERVICE.</p> <p>SIMILAR SETS:</p> <p>POWER OUTPUT: (WATTS) 1 WATT (DISTORTED) ½W (10% DISTORTION)</p> <p>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 6SQ7; 2 6SQ7; 2 6K6GT. 2 RA-42 - 2 5V4G.</p>			<p>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".</p> <p>RANGE: (MILES) DETERMINED BY OUTPUT OF AIRBORNE TRANSMITTER AND HEIGHT OF AIRCRAFT.</p> <p>TO COMMUNICATE WITH: FIGHTER AIRCRAFT EQUIPPED WITH RADIO SCR-522 BY RADIO AND WITH SCR-561 BY TELEPHONE.</p> <p>TO REPLACE IN PART:</p> <p>TRANSPORTATION: NONE</p> <p>TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED SIGNAL AND CW.</p>					
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)									
		ITEM			DIMENSIONS		WEIGHT	CLASSIFICATION	
					HEIGHT	WIDTH			DEPTH
		(PACKED IN 12 BOXES TOTAL 1983 CU. FT.)							
		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.

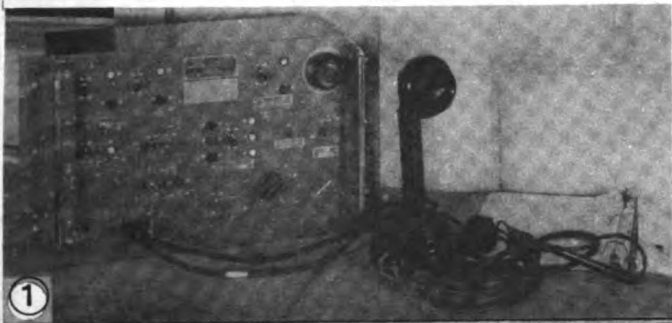
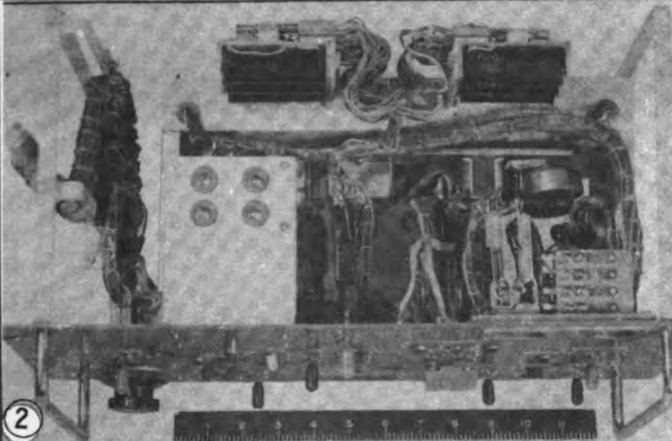
SCR-565		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD AS COMPONENT OF SCS-2	INSTRUCTIONAL LITERATURE:
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MO) 100-156 NUMBER OF CRYSTALS: 2 IN USE (COMPLETE XTAL COMPLEMENT 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			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) 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 BLOK (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.		STATUS:	STANDARD AS COMPONENT OF SCS-2	INSTRUCTIONAL LITERATURE:
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)			DIMENSIONS HEIGHT WIDTH DEPTH		CHANGE IN STATUS:		
ITEM		HEIGHT	WIDTH	DEPTH	WEIGHT	CLASSIFICATION	
	(PACKED IN 12 BOXES)						
1 TOWER TR-17		TOTAL	198½ CU.	FT.	21,146#	RESTRICTED	
1 SHELTER HO-3 (KNOOKED 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 3/4	TONS	"


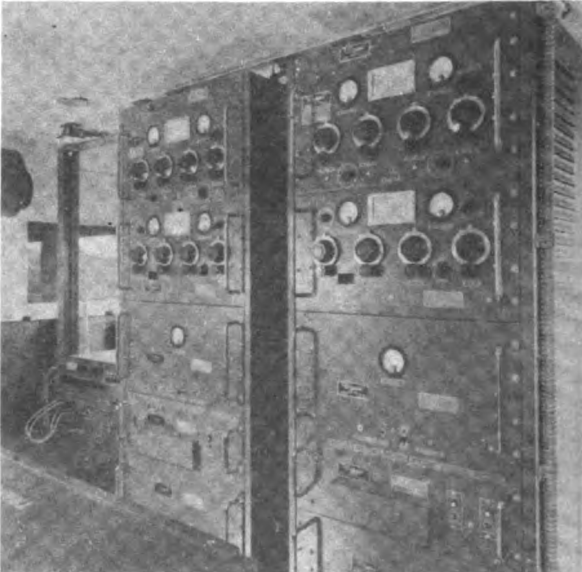

 RADIO SET SCR-565
 Operator's Position

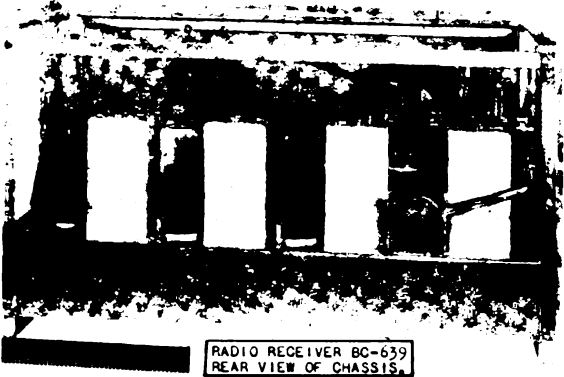

*PRESET FREQUENCIES: CRYSTALS ARE CONTAINED IN THE FREQUENCY METER BC-638 USED TO CALIBRATE AND ADJUST THE RECEIVER BC-639. THE RECEIVER BC-639 IS NOT CRYSTAL CONTROLLED. THE FREQUENCY METER BC-638 CAN BE SET UP ON 5 DIFFERENT CRYSTAL CONTROLLED FREQUENCIES AT ONE TIME AND THE DESIRED XTAL SELECTED BY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

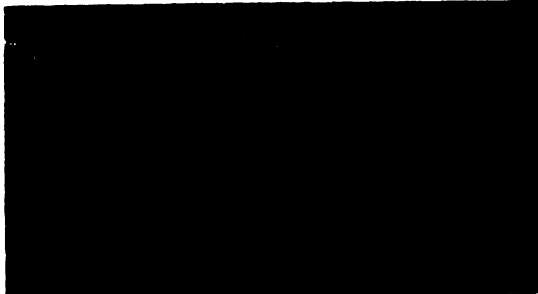
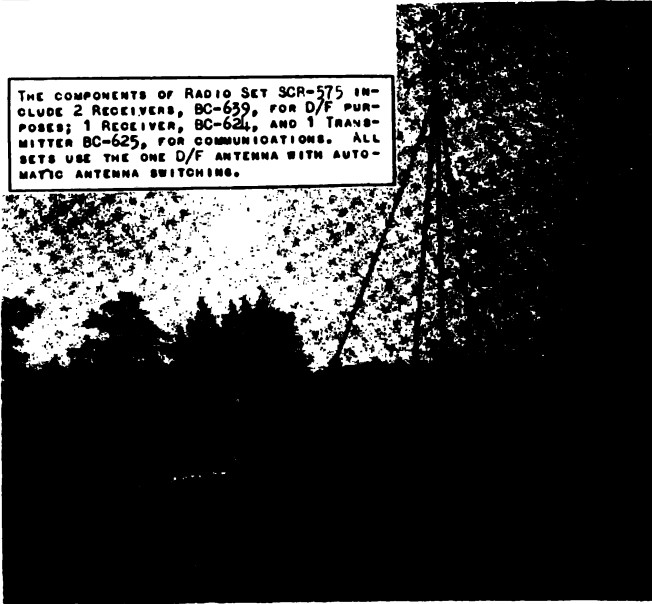
INSTRUCTIONAL LITERATURE:	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION	<h1>SCR-566</h1>																																																																																																									
	CHANGE IN STATUS:		<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED)</p> <p>FREQUENCY RANGE: (Mc) 100 - 156</p> <p>NUMBER OF CRYSTALS: 9 IN USE (FULL XTAL COMPONENT TO BE DETERMINED BY AAF)</p> <p>PRESET FREQUENCIES: 9 (4 IN BC-624; 4 IN BC-625; 1 IN BC-638).</p> <p>ANTENNA: VERTICAL ADOCK D/F WITH SENSING FACILITIES.</p> <p>TUNING (MO OR XTAL) BC-624; BC-625; XTAL; BC-639 VARIABLE.</p> <p>SENSITIVITY: 2-3 MICROVOLTS/METER AT 50 MW.</p> <p>SELECTIVITY: 2 TIMES DOWN LESS 100 KC. 1000 TIMES DOWN MORE 350 KC.</p> <p>POWER SOURCE: STORAGE BATTERY AND POWER UNIT PE-99 (75 KVA 110V 3 PHASE, 60 CYCLE); ALSO PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE.</p> <p>SIMILAR SETS: RADIO SET SCR-575.</p> <p>POWER OUTPUT: (WATTS) TRANSMITTER BC-625 OUTPUT 0 WATTS MINIMUM.</p> <p>TUBES: (TYPE AND NUMBER) SEE NOTE *</p>		<p>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED)</p> <p>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.</p> <p>RANGE: (MILES) 135 MILES WITH AIRCRAFT AT 10,000 FEET.</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: ONE (1) TRUCK K-53, 1 TRAILER K-63 (POWER)</p> <p>TYPE OF SIGNAL: VOICE AND I.C.H.</p>																																																																																																									
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)																																																																																																														
<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 TRUCK K-53</td> <td>130"</td> <td>96"</td> <td>256"</td> <td>13,305 #</td> <td></td> </tr> <tr> <td>1 ANTENNA EQUIPMENT RC-63</td> <td></td> <td></td> <td></td> <td>100 #</td> <td></td> </tr> <tr> <td>1 ONE-TON CARGO TRAILER</td> <td></td> <td></td> <td></td> <td>1,300 #</td> <td></td> </tr> <tr> <td>1 RECEIVER BC-639</td> <td>72"</td> <td>72"</td> <td>14 1/2"</td> <td>36 #</td> <td></td> </tr> <tr> <td>1 DYNAMOTOR UNIT PN-100</td> <td>10 1/2"</td> <td>19"</td> <td>13 1/2"</td> <td>23 #</td> <td></td> </tr> <tr> <td>1 DYNAMOTOR UNIT PE-94</td> <td>6"</td> <td>19"</td> <td>10 1/2"</td> <td>23 #</td> <td></td> </tr> <tr> <td>1 RECEIVER BC-624</td> <td>6 1/2"</td> <td>9"</td> <td>6 1/2"</td> <td>36 #</td> <td></td> </tr> <tr> <td>1 TRANSMITTER BC-625</td> <td>6"</td> <td>15 1/2"</td> <td>9"</td> <td>14 1/2 #</td> <td></td> </tr> <tr> <td>1 CONTROL UNIT RM-18</td> <td>5"</td> <td>15 1/2"</td> <td>9"</td> <td>16 1/2 #</td> <td></td> </tr> <tr> <td>1 POWER UNIT PE-99</td> <td>5"</td> <td>19"</td> <td>6 3/4"</td> <td>16 #</td> <td></td> </tr> <tr> <td>1 CONTROL BOX BC-602</td> <td>55"</td> <td>26"</td> <td>50"</td> <td>1,600 #</td> <td></td> </tr> <tr> <td>1 OSCILLATOR TEST EQUIPMENT RC-93 (BC-655)</td> <td>6"</td> <td>5 1/2"</td> <td>2 1/2"</td> <td>2 #</td> <td></td> </tr> <tr> <td></td> <td>10 1/2"</td> <td>9"</td> <td>6 3/4"</td> <td>12 #</td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS</td> <td>15,000#</td> <td>APPROXIMATELY</td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS</td> <td>230 CU.</td> <td>FT. "</td> </tr> <tr> <td colspan="4">SHIP TONNAGE</td> <td>9 TONS</td> <td>"</td> </tr> </tbody> </table>						ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	1 TRUCK K-53	130"	96"	256"	13,305 #		1 ANTENNA EQUIPMENT RC-63				100 #		1 ONE-TON CARGO TRAILER				1,300 #		1 RECEIVER BC-639	72"	72"	14 1/2"	36 #		1 DYNAMOTOR UNIT PN-100	10 1/2"	19"	13 1/2"	23 #		1 DYNAMOTOR UNIT PE-94	6"	19"	10 1/2"	23 #		1 RECEIVER BC-624	6 1/2"	9"	6 1/2"	36 #		1 TRANSMITTER BC-625	6"	15 1/2"	9"	14 1/2 #		1 CONTROL UNIT RM-18	5"	15 1/2"	9"	16 1/2 #		1 POWER UNIT PE-99	5"	19"	6 3/4"	16 #		1 CONTROL BOX BC-602	55"	26"	50"	1,600 #		1 OSCILLATOR TEST EQUIPMENT RC-93 (BC-655)	6"	5 1/2"	2 1/2"	2 #			10 1/2"	9"	6 3/4"	12 #		COMBINED WEIGHT OF COMPONENTS				15,000#	APPROXIMATELY	COMBINED VOLUME OF COMPONENTS				230 CU.	FT. "	SHIP TONNAGE				9 TONS	"
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																																																																																									
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 <p>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.</p> <p>*TUBES: (TYPE AND NUMBER) 1 BC-624-A; 1 9002; 3 9003; 1 12J5GT; 1 12CB; 3 12SG7; 1 12AH7GT; 1 BC-625-A; -1 606G; 3 12A6; 2 632-A; 2 6SS7. 1 BC-639 - 3 9003; 1 9002; 4 6547; 1 6K6GT. 1 BC-655-1 95C; 1 A5GT.</p>																																																																																																														


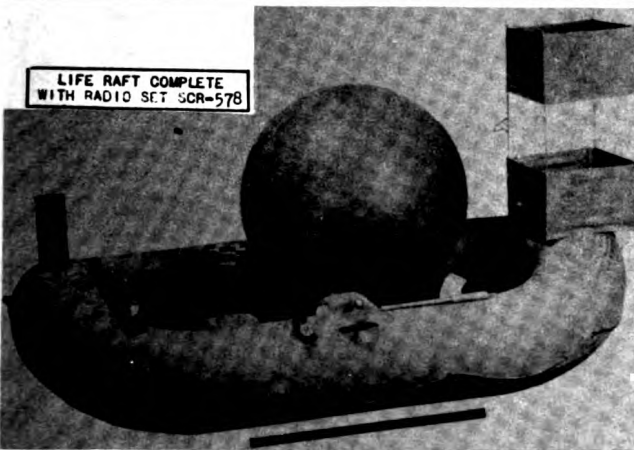
SCR-567		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD AS COMPONENT OF SCS-2	INSTRUCTIONAL LITERATURE:	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 100-156 NUMBER OF CRYSTALS: IN USE; 2 IN TRANSMITTER STATION, 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 50MH. 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 *			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 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			CHANGE IN STATUS: * SCR-567 uses RA 421 1-5V4, BC-686 2-2L6, BC-638 A1 1-5V4, 2-90021 2-90031 1-61501 1-6531 BC-639 A1 3-90031 1-90021 1-68071 1-68071 1-68071 1-68071 1-68071 1-68071 1-68071 1-68071 1-68071 1-68071 5-HK2101 ROA #165 VOLT OVERVOLT 2-68681 1-68071 1-68071 1-68071 1-68071 1-68071 1-68071 1-Ncom Buss 1/4 WATT. GE TURKISH CHARBERT 6861 33811 1-GE TURKISH #1890018.	STATUS: STANDARD AS COMPONENT OF SCS-2	INSTRUCTIONAL LITERATURE: RECEIVING EQUIPMENT KE-5-A PART OF RADIO SET SCR-567. OPERATOR'S POSITION ANTENNA AN-57. PART OF RADIO SET SCR-567. SHOWING EQUIPMENT SET UP FOR OPERATION.
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-42 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-BC-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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SHIP TONNAGE:				10 TONS																																																																																		
<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>																																																																																						

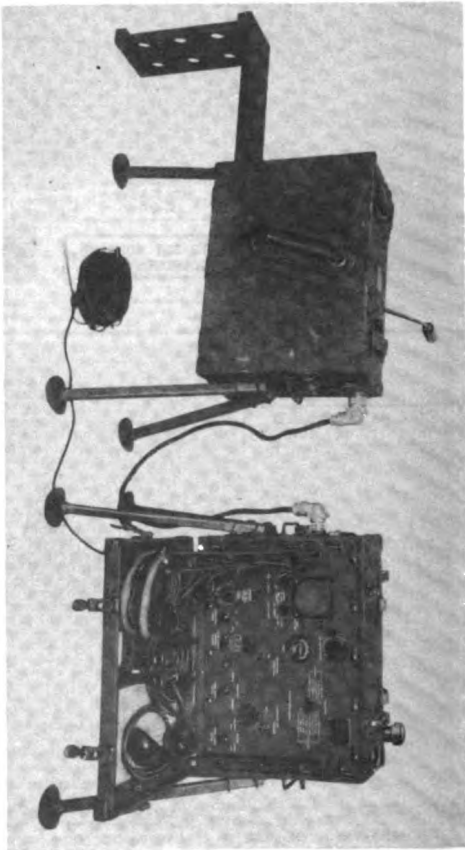
SCR-573		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 20 Nov 43	INSTRUCTIONAL LITERATURE:
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MO) 100-156 NUMBER OF CRYSTALS: 2 IN USE (FULL XTAL COMPLEMENT TO BE DETERMINED 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) 2-BC640 TRANS; 16-523; 8-6W5; 6-1613; 4-811; 2-807; 1C-HK-246. 1-RCA #155 OSCILLOSCOPE; 2-6C6; 2-80; 1-684; 1-3AP1/906-PT. 1-RCA #165 VOLTOHMYST; 2-6K6GT; 1-6X5GT.			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, RADIO SETS SCR-574, 575 AND AIRCRAFT EQUIPPED WITH RADIO SET SCR-522. TO REPLACE IN PART: TRANSPORTATION: 1 TRUCK K-53 1 ONE-TON CARGO TRAILER. TYPE OF SIGNAL: TRANSMITS VOICE AND MCW.		 <p>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>		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)							
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>RADIO SET SCR-573. INTERIOR VIEW SHOWING RADIO TRANSMITTERS BC-640 AND CONTROL UNIT RM-27.</p>	
						<p>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																																																																																																			
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 <p>RADIO RECEIVER BC-639 REAR VIEW OF CHASSIS.</p>			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																																																																																			
 <p>RADIO SET SCR-574. PART OF NET CONTROL SYSTEM SCS-3. VIEW SHOWING REMOVABLE EQUIPMENT CARRIED IN VEHICLE.</p>			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)		USE: TWO CHANNEL RECEIVER STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCS-3.																																																																																																			
<p>FREQUENCY RANGE: (Mo) 100-156</p> <p>NUMBER OF CRYSTALS: 2 IN USE (FULL COMPLEMENT TO BE DETERMINED BY AAF).</p> <p>PRESET FREQUENCIES: VARIABLE (DIAL SETTING CHECKED WITH CRYSTAL CONTROLLED FREQUENCY METER.)</p> <p>ANTENNA: VERTICAL DIPOLE MOUNTED ON 76' MAST.</p> <p>TUNING: (MO OR XTAL)</p> <p>SENSITIVITY: 2-3mv/METER AT 50 MM SIGNAL RATIO 10 TO 1.</p> <p>SELECTIVITY: 2 TIMES DOWN LESS 100 KO. 1000 TIMES DOWN MORE 350 KO.</p> <p>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>SIMILAR SETS: RECEIVER STATION OF SCR-567</p> <p>POWER OUTPUT: (WATTS) RECEIVER BC-639 1 WATT (DISTORTED) ½ W (10% DISTORTION).</p> <p>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; 4-6SQ7. BC-686: 3-25L6. RA-42: 1-5V4G.</p>			<p>RANGE: (MILES) MINIMUM OF 135 MILES WITH AIRCRAFT AT 10,000 FT.</p> <p>TO COMMUNICATE WITH: CONTROL SET SCR-572 RADIO SET SCR-573 AND AIRCRAFT EQUIPPED WITH SCR-522.</p> <p>TO REPLACE IN PART:</p> <p>TRANSPORTATION: 1 TRUCK K-53, 1 ONE-TON CARGO TRAILER.</p> <p>TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED AND C. W.</p>																																																																																																					
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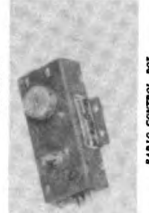


SCR-575		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		INSTRUCTIONAL LITERATURE:																																																																																																																												
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: 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 ADOOOK 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; 1-63Q7; 1-6K6GT; 1-9002; 3-9003; 4-63B7; RA-42; 1-5V4G; BC-638; 1-9002; 2-9003; 1-5V4G; 1-6L5G; 1-6SK7; 1-6E5; BC-624; 1-9002; 3-9003; 1-12J5G1; 1-12C8; 1-12AH7G1; 3-12SO7; BC-625; 2-8J2; 3-12A6; 1-686G; 2-6337; BC-687; 4-25L6GT; RC-93; 1-958; 1-1A5G1.				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 C/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>																																																																																																																												
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 <p>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.</p> <p>RADIO SET SCR-575 (RADIO DIRECTION FINDING STATION) ANTENNA EQUIPMENT RC-153 RAISED IN POSITION.</p>																																																																																																																																				

INSTRUCTIONAL LITERATURE: AN 08-10-94	STATUS:	STANDARD 1 FEB 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-578	
	CHANGE IN STATUS:					
 <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:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)	
 <p>LIFE RAFT COMPLETE WITH RADIO SET SCR-578</p>			FREQUENCY RANGE: (MO) INTERNATIONAL DISTRESS FREQUENCY .500 MODULATED AT 1000 OPS. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: PRETUNED TO .500 Mo. 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		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 MBS.	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)						
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-278		---	---	---	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	
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: (MO) 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, MEOZ, & 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:					2 1/2 CU. FT.								
SHIP TONNAGE:													



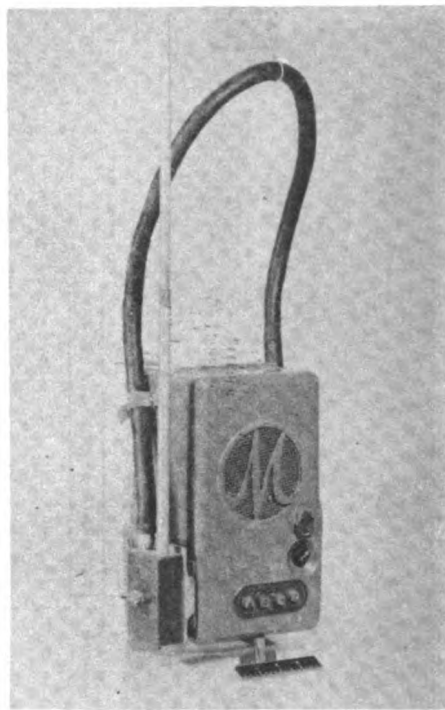
RADIO SET SCR-583 - PREPARED FOR FIELD OPERATION
 TO PROVIDE FOR CW OPERATION ON LOW AND HIGH POWER, AND VOICE OPERATION ON LOW POWER ONLY.

INSTRUCTIONAL LITERATURE: (HMI) 08-10-123 (on SCR-585-A)	STATUS: CHANGE IN STATUS:	LIMITED STANDARD 2 Dec 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: <h1 style="text-align: center;">SCR-585</h1>																																																				
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  RADIO RECEIVER AND TRANSMITTER MC-721-B </div> <div style="text-align: center;">  RADIO CONTROL BOX MC-722-B </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;">  CONTROL SHAFT MC-355-B </div> <div style="text-align: center;">  MOUNTING FT-295-B </div> </div> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> COMPONENTS OF RADIO SET SCR-585 </div>		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 3.5 - 6 (RECEPTION & TRANSMISSION) SEE REMARKS. NUMBER OF CRYSTALS: 2 PRESET FREQUENCIES: 1 EA. TRANSMITTING & RECEIVING ANTENNA: TELESCOPIIC ANTENNA 39" LONG. TUNING: (MO OR XTAL) CRYSTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: SELF CONTAINED - "A" BATTERY BA-37 (1.5 V), "B" BATTERY BA-38 (103.5 V). SIMILAR SETS: SCR-536 POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) <div style="margin-left: 40px;"> 1 - BC - 721-A; 2 - 1R5 1 - 1T4 2 - 3S4 </div>			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) 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. RANGE: (MILES) 100 FT TO 1 MILE. TO COMMUNICATE WITH: OTHER RADIO SETS SCR-585. TO REPLACE IN PART: TRANSPORTATION: ORIGINALLY FOR GLIDER-TOW PLANE INTERCOMMUNICATION (INSTALLED) TYPE OF SIGNAL: VOICE AND TONE MODULATED RECEPTION VOICE MODULATED TRANSMISSION.																																																			
		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																																						
		<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>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="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		COMBINED WEIGHT OF COMPONENTS:				11 1/2#	APPROX.	COMBINED VOLUME:				2 CU.FT.	APPROX.	SHIP TONNAGE:					
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																																																				
COMBINED WEIGHT OF COMPONENTS:				11 1/2#	APPROX.																																																			
COMBINED VOLUME:				2 CU.FT.	APPROX.																																																			
SHIP TONNAGE:																																																								
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.		NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLE AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.																																																						

(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

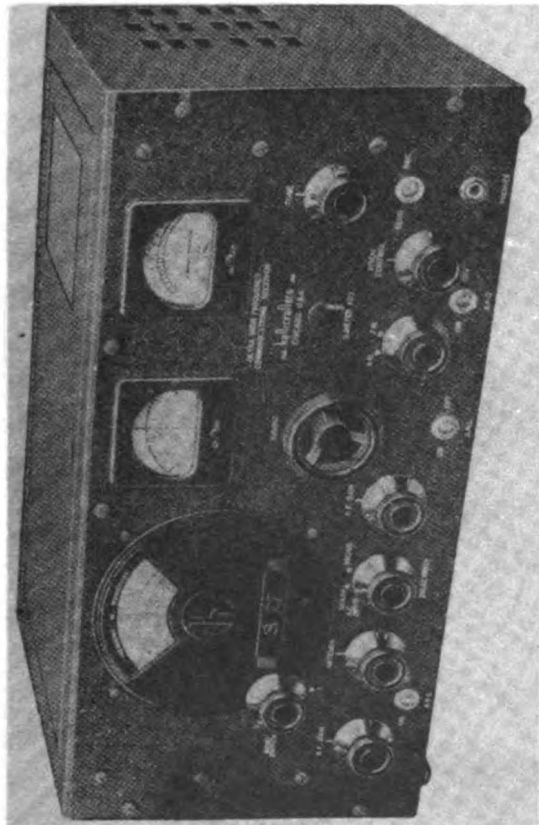
SCR-593		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD 19 Feb 44		INSTRUCTIONAL LITERATURE: TM 11-859	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 2.0 - 6.0 (RECEIVER ONLY) NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: 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 - 1 1R5 1 1S5 3 1T4 2 3S4				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: ENBRB; MY2D, MTN & OOMBAT 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)				CHANGE IN STATUS:			
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.

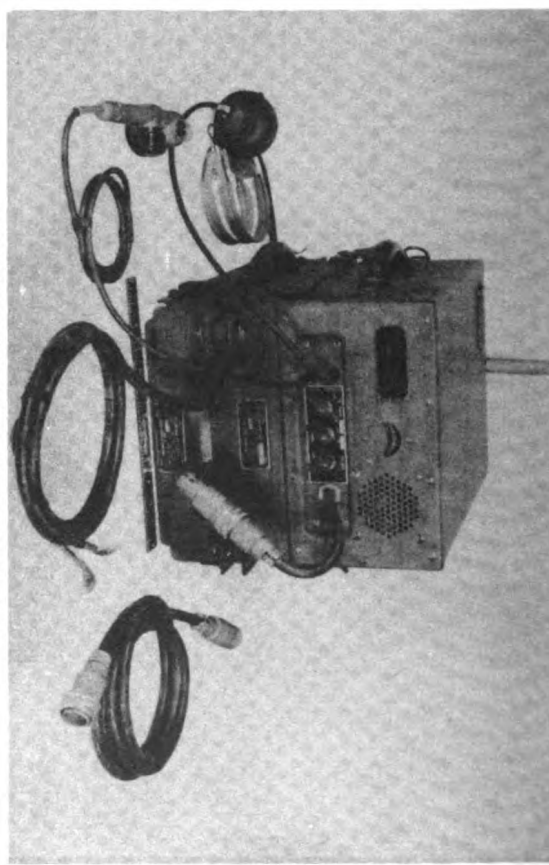
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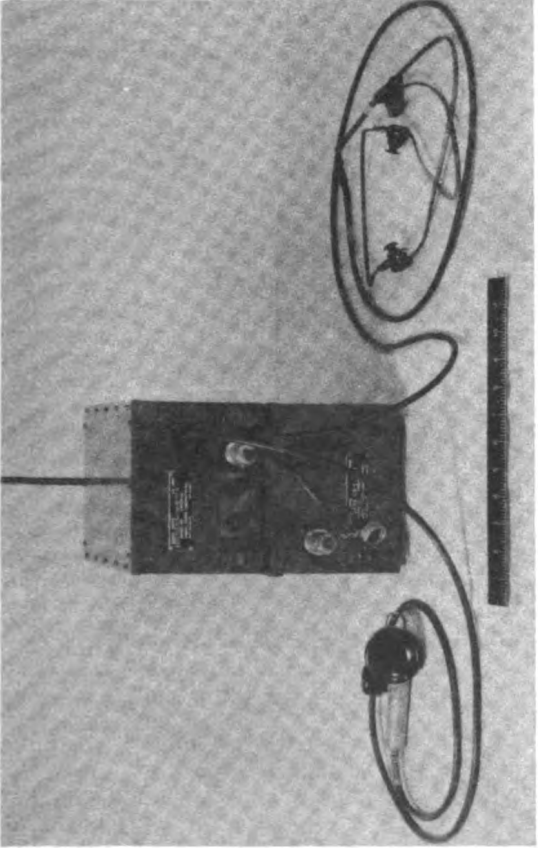
INSTRUCTIONAL LITERATURE:	STATUS:	SUBSTITUTE STANDARD 27 MAY 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	<h1>SCR-607</h1>												
	CHANGE IN STATUS:		<p style="text-align: center;">PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>FREQUENCY RANGE: (Mc) 27-- 145.</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES: NONE</p> <p>ANTENNA: 3 TIERS, HORIZONTAL DIAPHOLES (1 FOR EACH OF THE 3 BANDS OF RECEIVER) MOUNTED ON 21-$\frac{1}{2}$" MAX. TUNING: (MO OR XTAL) DOES NOT APPLY</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 110V A.C.</p> <p>SIMILAR SETS: NONE</p> <p>POWER OUTPUT: (WATTS) DOES NOT APPLY</p> <p>TUBES: (TYPE AND NUMBER)</p> <table style="width:100%; border: none;"> <tr> <td style="width:50%;">2 VT-90</td> <td style="width:50%;">1 VT-121</td> </tr> <tr> <td>1 VT-94</td> <td>1 VT-139</td> </tr> <tr> <td>2 VT-107</td> <td>1 VT-145</td> </tr> <tr> <td>2 VT-112</td> <td>1 VT-163</td> </tr> <tr> <td>1 VT-117</td> <td>1 VT-176</td> </tr> <tr> <td>1 VT-120</td> <td>1 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	<p style="text-align: center;">PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)</p> <p>USE: AN INTERCEPT RECEIVER FOR MONITORING PURPOSES.</p> <p>RANGE: DOES NOT APPLY</p> <p>TO COMMUNICATE WITH: DOES NOT APPLY</p> <p>TO REPLACE IN PART: NONE</p> <p>TRANSPORTATION: ANY AVAILABLE VEHICLE.</p> <p>TYPE OF SIGNAL:</p> <p style="text-align: center;">RECEIVES AM AND FM.</p>
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:)																	
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION											
		HEIGHT	WIDTH	DEPTH													
RECEIVER BC-787		9 3/8"	19"	14"	65#												
ANTENNA RC-154		360	-----	-----	200#												
COMBINED WEIGHT OF COMPONENTS:																	
COMBINED VOLUME OF COMPONENTS:																	
SHIP TONNAGE:																	



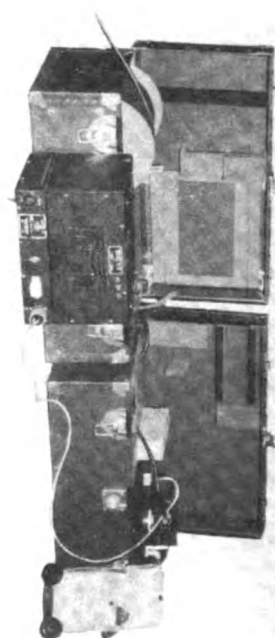
FRONT VIEW OF RADIO RECEIVER BC-787, PART OF RADIO SET SCR-607.
RADIO SET SCR-607 IS A MODIFIED COMMERCIAL HALLICRAFTERS MODEL 9-27 OR 9-36 RADIO RECEIVER.

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: (MC) 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) REOVR: 3 TYPE 6 AC-7; 1 TYPE 6J5; 2 TYPE 12 307; 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.				 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">RADIO SET SCR-608 SET UP FOR OPERATION</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">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.</p>			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)											
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION					
		HEIGHT	WIDTH	DEPTH							
1 RADIO TRANS. BC-684					67#						
2 RADIO REOVR. 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:											

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: (Mc) 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 PAOK) POWER OUTPUT: (WATTS) 2 TUBES: (TYPE AND NUMBER) 1 BC-659 USES; 5 1LN5; 2 1291; 4 1299; 1 1LH4; 1 1294; 1 1L06. 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:		 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">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.</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">RADIO SET SCR-610, SET UP FOR MOBILE OPERATION</p>			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)													
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION							
		HEIGHT	WIDTH	DEPTH									
RECVR. & 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:													

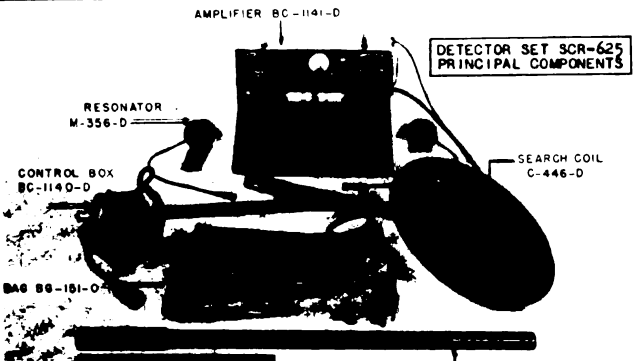

INSTRUCTIONAL LITERATURE:	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	<h1 style="margin: 0;">SCR-619</h1>	
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)
			RADIO SET SCR-619 SET UP FOR FIELD OPERATION.		
			RADIO SET SCR-619 IS CLASSIFIED AS REQUIRED TYPES; DEVELOPMENT TYPE; LIMITED PROCUREMENT TYPE, FOR ADOPTION OF SERVICE TEST MODELS AFTER TEST OF EXPERIMENTAL LABORATORY MODEL SHOWN IN ILLUSTRATION.		
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)		
			(IN DEVELOPMENT STAGE - COMPONENTS NOT YET DEFINITELY DETERMINED)		
			COMBINED WEIGHT OF COMPONENTS:		NOT TO EXCEED
			COMBINED VOLUME:		
			SHIP TONNAGE:		

THIS SHEET IS CLASSIFIED: **RESTRICTED**

SCR-624		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: (MO) 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; 1-9003 ; 1-12AH7GT; 3-12SG7; 1-BC 625A TRANS; 2-852; 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:														

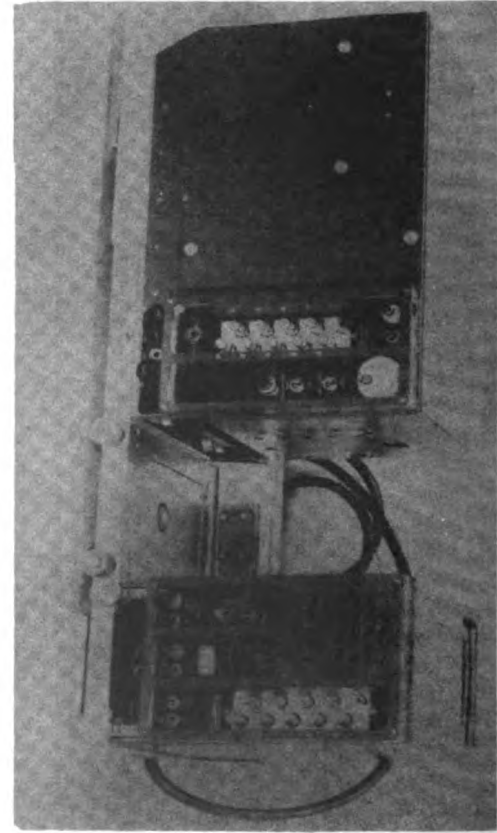
RADIO SET SCR-624, SET UP FOR OPERATION.


THIS SHEET IS CLASSIFIED: **RESTRICTED**

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: <h1 style="text-align: center; margin: 0;">SCR-625</h1>																																																																
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MO) NUMBER OF CRYSTALS: PRESET FREQUENCIES: 1 Ko. ANTENNA: TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 2 EA. BATTERY BA-30; 1 EA. BATTERY BA-38. SIMILAR SETS: NONE POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 1EA. 1066T; 2 EA. VT-146 (1N50T)	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: USED FOR DETECTING ANTI-TANK AND ANTI-PERSONNEL LAND MINES. RANGE: ABOUT 2 FT. TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: PORTABLE BY 1 MAN. TYPE OF SIGNAL: VISUAL INDICATION ON METER; AUDIBLE INDICATION IN RESONATOR WORN ON LEFT SHOULDER OF USER.																																																																
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)																																																																	
			<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>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 colspan="2">1 1/8" DIAMETER</td> <td>12oz.</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>RESONATOR M-356</td> <td>3 "</td> <td colspan="2">3" DIAMETER</td> <td>3oz.</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>SEARCH COIL C-446</td> <td>1 "</td> <td colspan="2">13" DIAMETER</td> <td>3#</td> <td>UNCLASSIFIED</td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS</td> <td>38 1/2#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS:</td> <td>28 1/4"</td> <td>8 1/4" 15" WHEN PACKED IN CH-156-</td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td></td> <td></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	COMBINED WEIGHT OF COMPONENTS				38 1/2#		COMBINED VOLUME OF COMPONENTS:				28 1/4"	8 1/4" 15" WHEN PACKED IN CH-156-	SHIP TONNAGE:					
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																																																															
COMBINED WEIGHT OF COMPONENTS				38 1/2#																																																																
COMBINED VOLUME OF COMPONENTS:				28 1/4"	8 1/4" 15" WHEN PACKED IN CH-156-																																																															
SHIP TONNAGE:																																																																				

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) 3 6AC7 1 BC-683 - 1 6J5 1 BC-684 - 7 1619 2 12X07 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)				STATUS: 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:													

FOR OPERATION ON VOICE BY PERSONS WHO ARE NOT RADIO SPECIALISTS.
RADIO SET SCR-628



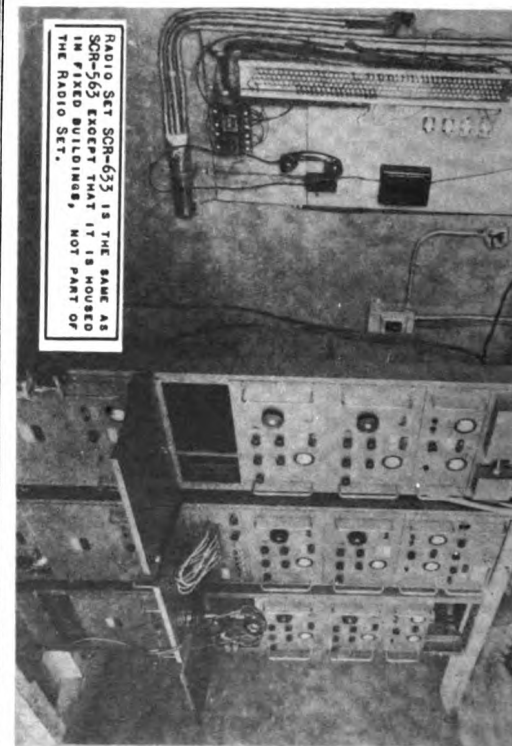
INSTRUCTIONAL LITERATURE:	STATUS:	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:		
	CHANGE IN STATUS:		SCR-632		
	PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		
	FREQUENCY RANGE: (Mc) 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) 523; 4 EACH (2L) 6J5; 3 EACH (1B) 1613; 2 EACH (12) 811; 1 EACH (6) 807; 5 EACH (30) HK24G. 1-080110800E RCA #155; 1-3AP1/906P1; 2-6C6; 2-80; 1-884. 1-VOLT OHMVST 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: TYPE OF SIGNAL: VOICE AND MDW.		
	PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)				
			DIMENSIONS		
ITEM	HEIGHT	WIDTH	DEPTH	WEIGHT	CLASSIFICATION
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:	188"	43 1/2"	25 3/4"	2,000#	
Box 1				667#	
Box 2	76 1/2"	91 1/2"	23 1/2"	190#	
Box 3	13 1/2"	5 1/2"	14 7/8"	490#	
Box 4	35 1/2"	26 1/2"	17 1/2"	495#	
Box 5	36 5/8"	34 3/4"	17 1/2"		
COMBINED WEIGHT OF COMPONENTS:				24,500#	
COMBINED VOLUME OF COMPONENTS:				900 CU. FT.	
SHIP TONNAGE:				12 1/4 T.	

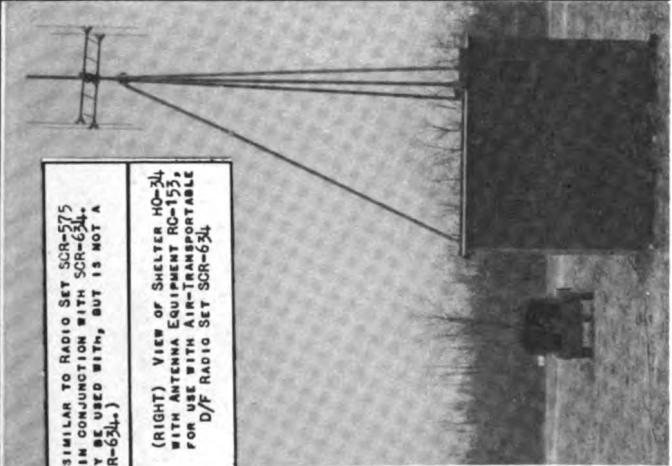
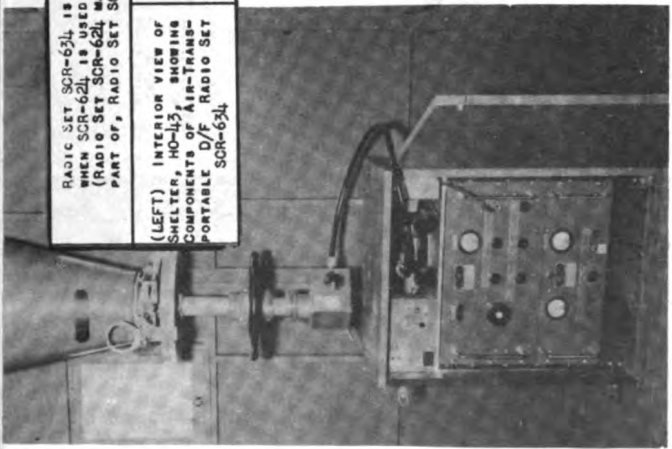
RADIO SET SCR-632. PART OF CONTROL NET SYSTEM SCS-2. INTERIOR VIEW, SHOWING SIX RADIO TRANSMITTERS BC-640, AND MONITORING EQUIPMENT RC-80 INSTALLED IN DUBOUT. SAME AS RADIO SET SCR-562 EXCEPT MOUNTED IN FIXED BUILDINGS NOT PART OF THE RADIO SET. A QUANTITY OF SCR-562 SETS WERE DEMILITARIZED AS SCR-632 AT THE REQUEST OF THE AAF. SIX (6) INCOMING WIRE LINES ARE BROUGHT INTO THE CONTROL UNIT RM-27 (MONITOR UNIT) AND THROUGH 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.

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) 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; 2L 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.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) 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.		CHANGE IN STATUS:		
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 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:				19,500#		
COMBINED VOLUME OF COMPONENTS:				700 cu. FT.		
SHIP TONNAGE:				9 3/4 T.		

Showing Front 3/4 View of Radio Receiving Equipment and Communications Panel Installed in Dupont Shelter
 9-23-43 SIGNAL CORPS GROUND SIGNAL SERVICE 9235

THIS SHEET IS CLASSIFIED: **RESTRICTED**

INSTRUCTIONAL LITERATURE: STATUS: CHANGE IN STATUS:	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: <h1 style="text-align: center;">SCR-634</h1>																																																																										
<div style="display: flex; justify-content: space-around;"> <div style="width: 45%;">  <p style="font-size: small;">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 style="font-size: small;">(RIGHT) VIEW OF SHELTER HO-34 WITH ANTENNA EQUIPMENT RC-153, COMPONENTS OF AIR-TRANSPORTABLE D/F RADIO SET SCR-634.</p> </div> <div style="width: 45%;">  <p style="font-size: small;">(LEFT) INTERIOR VIEW OF SHELTER, HO-34, SHOWING COMPONENTS OF AIR-TRANSPORTABLE D/F RADIO SET SCR-634.</p> </div> </div>		<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 style="width:100%; font-size: x-small;"> <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>PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <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>6 1/2"</td> <td>6 "</td> <td>5.5#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>1,035 #</td> <td>(APPROXIMATELY)</td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS:</td> <td>311 CU. FT.</td> <td>(APROX)</td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td>1,035 AIR</td> <td>TRANSPORTABLE</td> </tr> <tr> <td colspan="4"></td> <td>1 TON WHEN</td> <td>EXPORT PACKED</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"	6 1/2"	6 "	5.5#		COMBINED WEIGHT OF COMPONENTS:				1,035 #	(APPROXIMATELY)	COMBINED VOLUME OF COMPONENTS:				311 CU. FT.	(APROX)	SHIP TONNAGE:				1,035 AIR	TRANSPORTABLE					1 TON WHEN	EXPORT PACKED
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				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: 1 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	
	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 OV. 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	L 3/4"	19"	3 1/2"	15 #		
1 RELAY UNIT BC-685	8 3/4"	19"	14 1/4"	16 #		
COMBINED WEIGHT OF COMPONENTS:				16,000 #	APPROXIMATELY	
COMBINED VOLUME OF COMPONENTS:				900 CU. FT.	APPROXIMATELY	
SHIP TONNAGE:				8 TONS	APPROXIMATELY	

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.

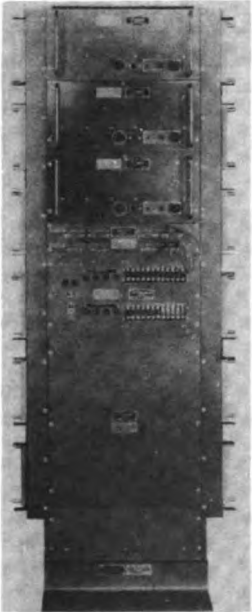

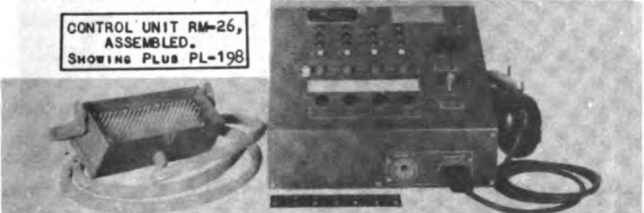
*TUBES: (TYPE AND NUMBER) RA-42: 1-5V4G. BC-686: 3-25L6. BC-638-A: 1-5V4G; 1-9002; 2-9003; 1-6L5G; 1-6E5; 1-6SK7. BC-639-A: 3-9003; 1-9002; 4-68G7; 1-6K6GT; BC-640: 8-5Z5; 4-6U5; 3-1613; 2-811; 1-807; 5-6X5GT; 1-6X5GT; Supreme Tube Test-er #504-A; 1-71-A, 1-NEON BULB 1/4 WATT. GE Tuner Changer: 68B, 35B1; 1-GE Tuner #1890L8.

RADIO RECEIVER RC-88
TOP VIEW OF CHASSIS

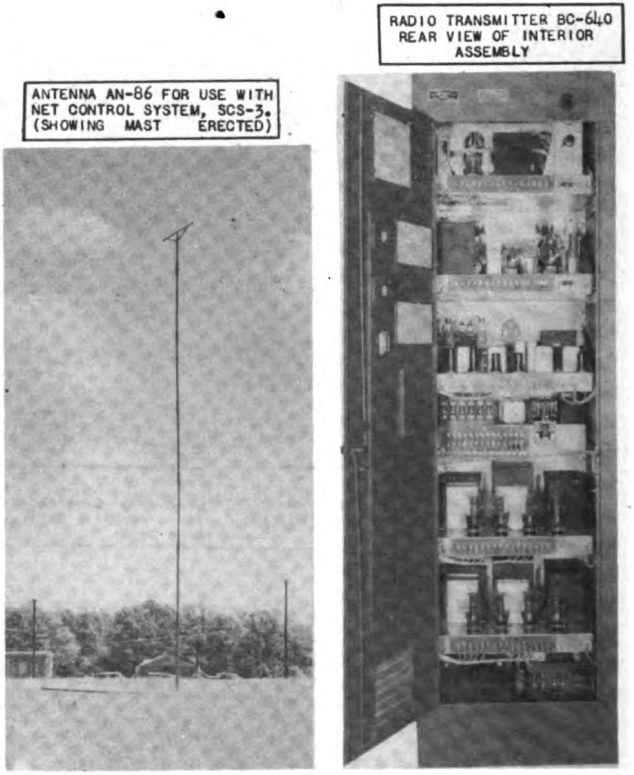
ANTENNA EQUIPMENT RC-81-A

CONTROL UNIT RM-18-A. FRONT VIEW

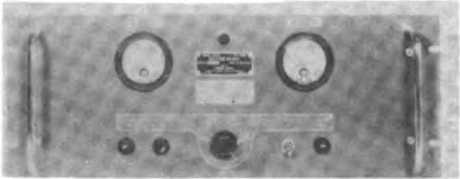
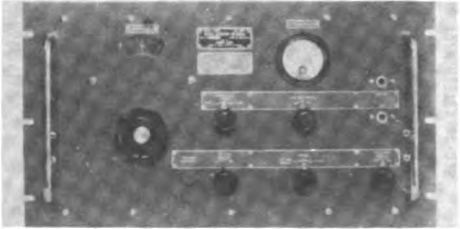

RADIO TRANSMITTER BC-640. REAR VIEW OF INTERIOR ASSEMBLY

INSTRUCTIONAL LITERATURE:	STATUS:	STANDARD 20 Nov 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-642																																																													
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 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.		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 SQUADRON 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:																																																													
 <p>(LEFT) CONTROL EQUIPMENT FOR SCR-642.</p>  <p>(ABOVE) TELEPHONE REPEATER EE-99. CASE COVERS OPEN SHOWING CONTROL PANEL AND BATTERY COMPARTMENT DOOR</p>  <p>CONTROL UNIT RM-26, ASSEMBLED. SHOWING PLUS PL-198</p> <p>RADIO SET SCR-642 IS THE SAME AS CONTROL SET SCR-527 EXCEPT THAT IT IS HOUSED IN FIXED BUILDINGS NOT PART OF THE SET.</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>3 CONTROL UNITS RM-25 EACH</td> <td>20 "</td> <td>11 1/4"</td> <td>11 1/4"</td> <td>44#</td> <td></td> </tr> <tr> <td>2 CONTROL UNITS RM-26 EACH</td> <td>11 7/8"</td> <td>9 "</td> <td>8 "</td> <td>20#</td> <td></td> </tr> <tr> <td>1 CONTROL UNIT RM-28</td> <td>14 1/2"</td> <td>12 "</td> <td>7 "</td> <td>35#</td> <td></td> </tr> <tr> <td>3 SWITCHBOARDS BD-72 EACH</td> <td>12 "</td> <td>12 "</td> <td>24 "</td> <td>68#</td> <td></td> </tr> <tr> <td>20 TELEPHONE REPEATERS EE-99</td> <td>8 "</td> <td>14 1/2"</td> <td>11 1/2"</td> <td>47#</td> <td></td> </tr> <tr> <td>3 RELAY UNIT BC-687</td> <td>9"</td> <td>12 1/2"</td> <td>9"</td> <td>35#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>4,000#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME:</td> <td>200 CU. FT.</td> <td></td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td>2T</td> <td></td> </tr> </tbody> </table>				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:				2T
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:				2T																																																														

<h1>SCR-643</h1>		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS: STANDARD 20 Nov 43	INSTRUCTIONAL LITERATURE:	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MO) 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 6T 10-HK24 1-6 X 5 6T.			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 PACKAGES	APPROX.	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.			

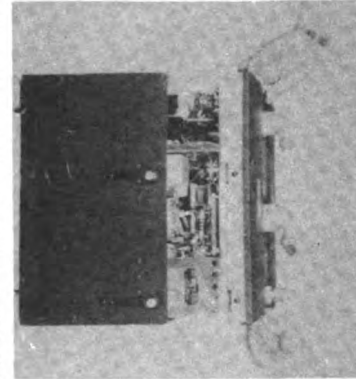


SAME AS RADIO SET SCR-573 EXCEPT HOUSED IN BUILDING NOT PART OF THE RADIO SET. A QUANTITY OF RADIO SET SCR-573 WAS DEMOBILIZED TO RADIO SET SCR-643 AT THE REQUEST OF THE AAF. THIS SET CONTAINS 2 TRANSMITTERS BC-640 FOR SIMULTANEOUS OPERATION. SIMILAR IN OPERATION TO RADIO SET SCR-562 EXCEPT THAT IT CONTAINS 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>			<p>PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>FREQUENCY RANGE: (Mo) 100-156</p> <p>NUMBER OF CRYSTALS: 2 IN USE (FULL COMPLEMENT TO BE DETERMINED BY AAF).</p> <p>PRESET FREQUENCIES: VARIABLE (DIAL SETTING CHECKED WITH CRYSTAL CONTROLLED FREQUENCY METER.)</p> <p>ANTENNA: VERTICAL DIPOLE MOUNTED ON 76' MAST.</p> <p>TUNING: (MO OR XTAL)</p> <p>SENSITIVITY: 2-3mv/METER AT 50 MW SIGNAL RATIO 10 TO 1.</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: RECEIVER STATION OF SCR-567.</p> <p>POWER OUTPUT: (WATTS) RECEIVER BC-639 1 WATT DISTORTED 1/2 W 10% DISTORTION.</p> <p>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>PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)</p> <p>USE: TWO CHANNEL RECEIVER STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. 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 OR SCR-642, RADIO SET SCR-573 OR SCR-643 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH SCR-522.</p> <p>TO REPLACE IN PART:</p> <p>TRANSPORTATION:</p> <p>TYPE OF SIGNAL: RECEIVER VOICE, TONE MODULATED AND CW.</p>		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)								
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		PAKED IN 25 CU.FT.	5 PAKAGES	APPROX.	743	RESTRICTED		
2 ANTENNA EQUIPMENT RC-81		12	28 1/2	38 1/2	4	RESTRICTED		
COMBINED WEIGHT OF COMPONENTS:					2,500#	APPROX.		
COMBINED VOLUME:					400 CU. FT.	APPROX.		
SHIP TONNAGE:					1 1/4 T	APPROX.		

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 ADDOOK 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-639; 1-6S07; 1-6K6GT; 1-9002; 3-9003; 4-6867. RA-42; 1-5V4G. BC-638; 1-9002; 2-9003; 1-5V4G; 1-6L58; 1-6SK7; 1-6E5. BC-624; 1-9002; 3-9003; 1-12J58T; 1-12C8; 1-12AH7GT; 3-12587. BC-625; 2-832; 3-12A6; 1-6G6G; 2-6SS7. BC-687; 4-25L66T. RC-93; 1-958; 1-1A56T.		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 AIR- CRAFT 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)						
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"	15"	9"	36#		
1 FUSE PANEL PN-15	5"	19"	5"	24#		
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				21, 146		
1 SHELTER HO-3				626		
	PACKED IN 12 BOXES		1983 CU. FT.			
	24"	60"	72"			
COMBINED WEIGHT OF COMPONENTS:				24,000#	APPROXIMATELY	
COMBINED VOLUME OF COMPONENTS:				2,200 CU. FT.	APPROX.	
SHIP TONNAGE:				12 Ton	APPROXIMATELY	

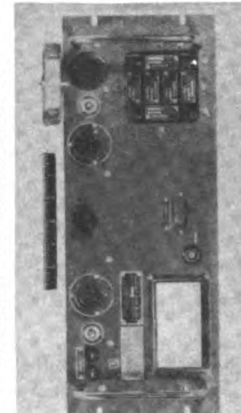
RADIO RECEIVER DC-624, RADIO TRANSMITTER BC-625
 SHOWING PROCEDURE OF REMOVING CASE.
 RADIO SET SCR-645 IS THE SAME AS SCR-575 EXCEPT HOUSED IN TOWER TR-17.
 INSTEAD OF IN THE AIRCRAFT. THE QUANTITY OF SCR-575-SETS WERE DEMOBILIZED AS
 SCR-645 AT THE REQUEST OF THE ARMY AIR FORCES.



FUSE PANEL PN-15. FRONT VIEW

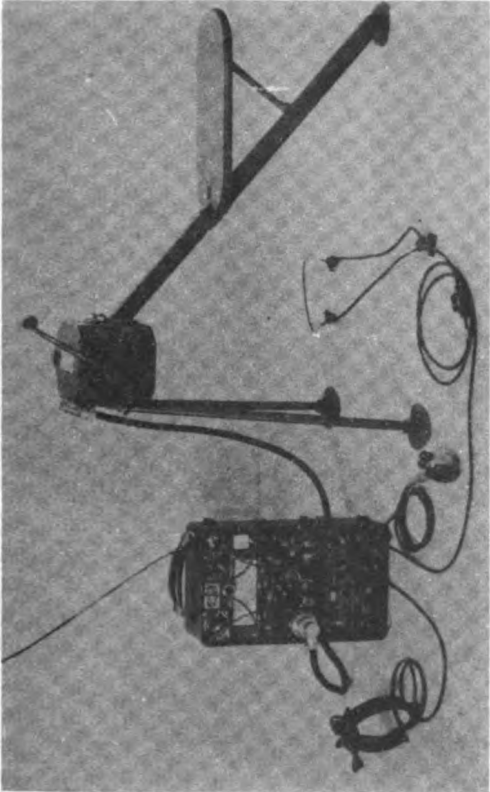


FREQUENCY METER BC-638. FRONT VIEW
 SHOWING CRYSTAL COMPARTMENT COVER REMOVED.



RECTIFIER RA-42. FRONT VIEW



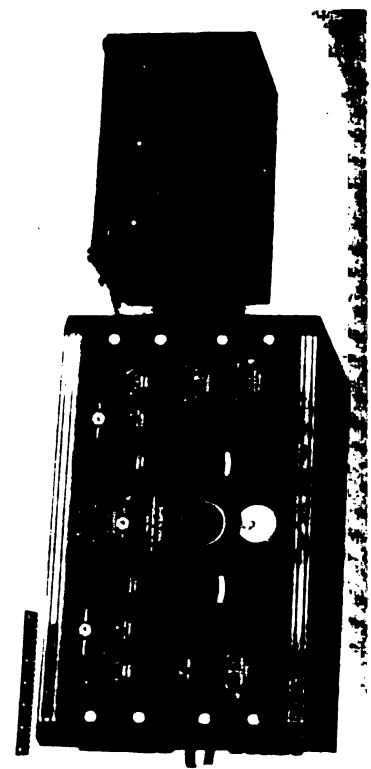
INSTRUCTIONAL LITERATURE:	STATUS:	STANDARD 28 Jul 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-694								
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)							
			FREQUENCY RANGE: (Mo) 3.8 - 6.5 NUMBER OF CRYSTAL: 2 PRESET FREQUENCIES: 2 ANTENNA: 15' WHIP AN-123, 124. TUNING: (MO OR XTAL) BOTH SENSITIVITY: SELECTIVITY: 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 REOVR. ONLY. SIMILAR SETS: POWER OUTPUT: (WATTS) VEHICLE OPERATION A1-25, A3-7; FIELD OPERATION A1-20, A3-5. TUBES: (TYPE AND NUMBER) 1 TRANS.: 2 3A4; 1 HY65; 1 TS70; 1 VR105-30. 1 REOVR.: 3 1T4; 1 1R5; 1 1S5; 1 3Q4.		USE: INFANTRY; PARACHUTE; MOUNTAIN & AIRBORNE TROOPS. RANGE: (MILES) STATIONARY CW-30; VOICE-15; MOVING CW-15; VOICE-7. TO COMMUNICATE WITH: SCR-284; SCR-511; SCR-536. TO REPLACE IN PART: SCR-284. TRANSPORTATION: VEHICLE OR MAN PACK. TYPE OF SIGNAL: CW; VOICE (AM).							
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)									
COMPONENTS OF RADIO SET ACR-694, SET UP FOR FIELD OPERATION SHOWING GENERATOR AND STEEL TAPE ANTENNA.			ITEM			DIMENSIONS			WEIGHT	CLASSIFICATION		
			HEIGHT	WIDTH	DEPTH							
			TRANS. & REOVR. BC-1306 VIBRATOR UNIT PE-237 GENERATOR GN-57			14 1/2"			9"	4 - 5"	27# (REOVR. & TRANS. ONLY)	
			COMBINED WEIGHT OF COMPONENTS:									
			COMBINED VOLUME:									
			SHIP TONNAGE:									

(GROUND SIGNAL EQUIPMENT: INTERCEPT RECEIVER.)

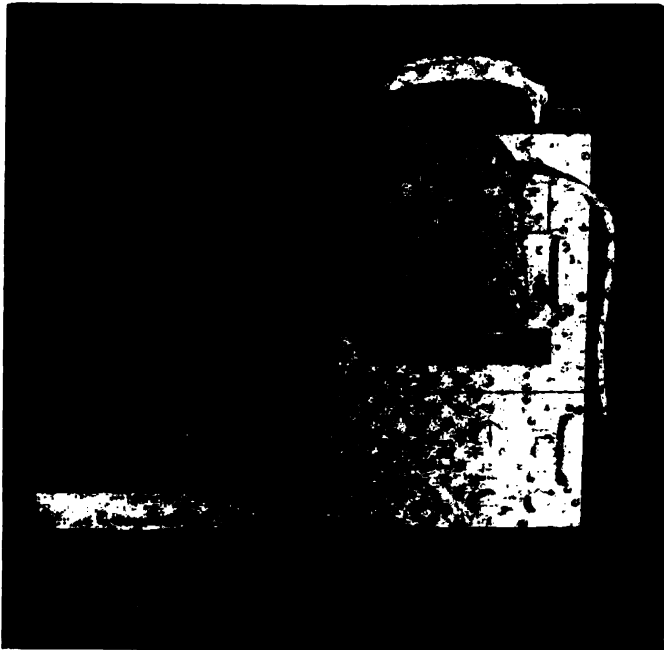
THIS SHEET IS CLASSIFIED: UNCLASSIFIED

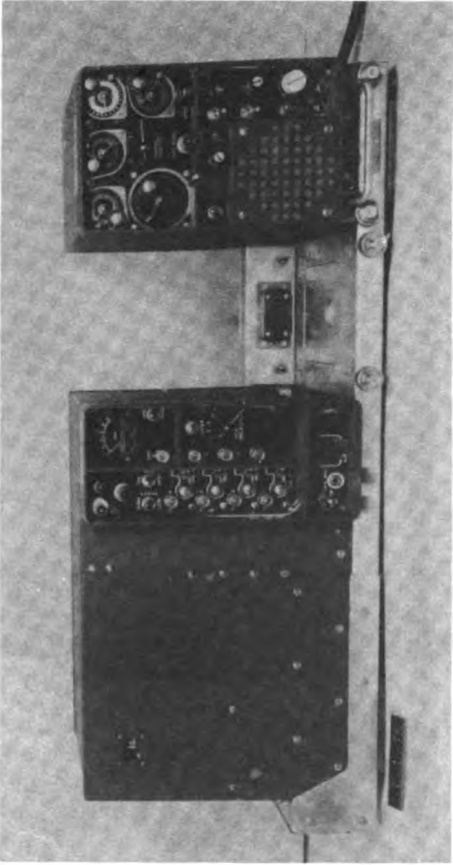
SCR-704		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD 2 Nov 43		INSTRUCTIONAL LITERATURE:			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mo) 1.25 - 40 NUMBER OF CRYSTALS: HAS CRYSTAL FILTER PRESET FREQUENCIES: NONE ANTENNA: 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:													

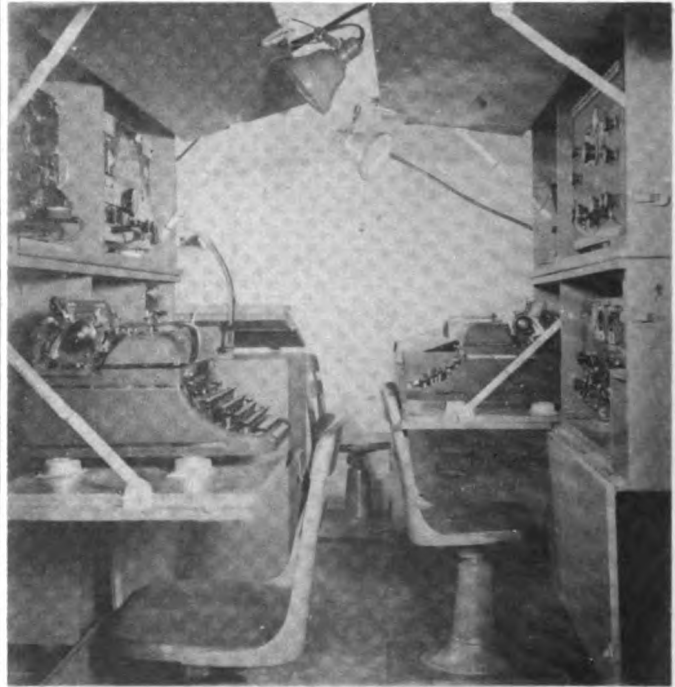
RADIO SET SCR-704. FRONT VIEW, SHOWING COMPONENTS



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INSTRUCTIONAL LITERATURE:	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-714				
	CHANGE IN STATUS:		PART A - TECHNICAL 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) 4 1T4 1 1R5 1 1S5 1 3Q4	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: INFANTRY PARACHUTE AIRBORNE TROOPS. RANGE: (MILES) TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: VEHICLE OR MAN PACK TYPE OF SIGNAL: CW; VOICE (AM)				
 <p style="text-align: center;">RADIO SET SCR-714-AW. FRONT VIEW. SPARE TUBE COMPARTMENT REMOVED</p> <p style="font-size: small;">NO MILITARY REQUIREMENT ADVANCED FOR THIS SET. RECEIVER IS SAME AS USED IN DEVELOPMENT MODEL OF RADIO SET SCR-694, AND WAS PRODUCED IN SMALL QUANTITY FOR SPECIAL PURPOSE AS RADIO SET SCR-714-AW.</p>			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)					
			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
				HEIGHT	WIDTH	DEPTH		
			RADIO REGR. BC-1137-A MOUNTING FT-382	14"	9"	5"		RESTRICTED
			COMBINED WEIGHT OF COMPONENTS: COMBINED VOLUME: SHIP TONNAGE:					

INSTRUCTIONAL LITERATURE: TM 11-601	STATUS:	STANDARD 10 Jul 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-828																																														
	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-828, MOUNTED ON BASE FT-237 MASTER OSCILLATOR VERSION OF SCR-628. SEE SCR-808.</p>			FREQUENCY RANGE: (Mc) 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. DYNA- MOTOR DM-64 & DM-65 FOR 12V INPUT WITH REOVR. & TRANS. RESPECTIVELY. DYNAMOTOR DM-66 & DM-47 FOR 24V INPUT WITH REOVR. & 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; 2-12SG 7; 2-12SJ7; 1-6HG; 3-68L 7GT; 2-6V6GT; 2-VR150.30; 3-12-8C 7; 1-6AG7; 2-815; 1-6J5.		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 TRANS. BC-924</td> <td>14 "</td> <td>3 1/4 "</td> <td>1 1/2 "</td> <td></td> <td></td> </tr> <tr> <td>RADIO REOVR. BC-923</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MOUNTING FT-237</td> <td></td> <td></td> <td></td> <td></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> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO TRANS. BC-924	14 "	3 1/4 "	1 1/2 "			RADIO REOVR. BC-923						MOUNTING FT-237						COMBINED WEIGHT OF COMPONENTS:						COMBINED VOLUME:						SHIP TONNAGE:					
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SHIP TONNAGE:																																																		

TC-8		NOMENCLATURE DESIGNATION		STATUS:		INSTRUCTIONAL LITERATURE: STI on TC-8 T 1	
(CLASSIFICATION: UNCLASSIFIED)						CHANGE IN STATUS:	
<p>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>							
<p>PRINCIPAL COMPONENTS (CLASSIFICATION:)</p>							
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	 <p>RADIO D/F CENTRAL TC-8 SHOWING OPERATING POSITIONS. HOUSED IN SHELTER HO-27.</p>	
	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:							

TC-9

INSTRUCTIONAL LITERATURE:

STI on TC-9 T1

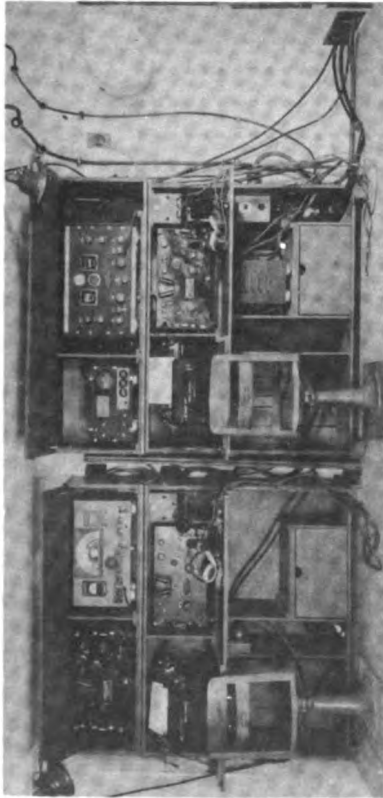
STATUS:

CHANGE IN STATUS:

NOMENCLATURE DESIGNATION:

(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.



RADIO INTERCEPT CONTROL TC-9 SHOWING OPERATING POSITIONS. HOUSED IN ONE SHELTER HO-27.

PRINCIPAL COMPONENTS
 (CLASSIFICATION:)

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
SHELTER HO-27 (3 EACH)	66.5"	74"	138"	1750 #	
RECEIVER BC-342 (5 EACH)	9.75"	18"	9"	46 #	
RECEIVER BC-344 (3 EACH)	9.75 "	18"	9"	46 #	
RECEIVER BC-787 (2 EACH)	9.5"	19"	14.25"	65 #	
RECEIVER BC-794 (1 EACH)	12.25"	23"	16.5"	70 #	
RECEIVER BC-969 (1 EACH)	10"	19"	19"	80 #	
RECORDER BC-1016(1 EACH)	10.25"	19.25"	14.75"	80 #	
VOICE RECORDER (DICTAPHONE TCB-2P)	12"	29"	14"	98 #	
VOICE REPRODUCER (DICTAPHONE TCB-TU)	14"	14"	17"	80 #	
SWITCHBOARD BD-72	13.25"	25.5"	18.5"	72 #	
TELETYPE PRINTER IG-7	15.5"	21.5"		115 #	
COMBINED WEIGHT OF COMPONENTS:					
COMBINED VOLUME OF COMPONENTS:					
SHIP TONNAGE:					

RESTRICTED

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