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TM 11-227

WAR DEPARTMENT TECHNICAL MANUAL

U.S. Dept. of Army

SIGNAL COMMUNICATION EQUIPMENT DIRECTORY

RADIO COMMUNICATION EQUIPMENT

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WAR DEPARTMENT

13 APRIL 1944

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W A R D E P A R T M E N T T E C H N I C A L M A N U A L
T M 11-227 • R E S T R I C T E D

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



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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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INSTRUCTIONAL LITERATURE:	STATUS:	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: AN/ARA-1			
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED)			
 COMPASS MODULATOR (1-75-A) RADIO COMPASS AND CONTROL BOX (1-65-A) OPERATING INSTRUCTIONS (1-75-A) COMPASS MODULATOR (1-75-A) RADIO COMPASS AND CONTROL BOX (1-65-A)		FREQUENCY RANGE: (MC) .190 - 1.5 NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: Fixed OR ROTATABLE LOOP AND BEHRE ANTENNA. TUNING: (MC OR XTAL) SINGLE CONTROL. SENSITIVITY: SELECTIVITY: POWER SOURCE: 28 VOLTS D. C. SIMILAR SETS: SCR-106 POWER OUTPUT: (WATTS) None TUBES: (TYPE AND NUMBER) 1-12SKT 1-12SR7 2-12AHT6T.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED)		
		USE: USED WITH SC-455-B AND/OR SC-946 TO GIVE AURAL OR VISUAL LEFT-RIGHT RADIO COMPASS OPERATION. RANGE: Maximum 300 miles, depending upon transmitter. TO COMMUNICATE WITH: TO REPLACE IN PART: ANY AIRCRAFT LEFT-RIGHT COMPASS. TRANSPORTATION: AIRBORNE. TYPE OF SIGNAL: CW - MOR - VOICE.				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)						
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH		
COMPASS MODULATOR					7.0W	
INDICATOR 1-75-A					1.87W	UNCLASSIFIED
INDICATOR 1-65-A					1.75W	UNCLASSIFIED
CONTROL BOX					3.00W	
COMBINED WEIGHT OF COMPONENTS					15.6 (Approximate)	
COMBINED VOLUME OF COMPONENTS					1,000 Cu. In.	
SHIP TONNAGE:						

THIS SHEET IS CLASSIFIED: RESTRICTED

AN/ARN-5		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	STATUS:	INSTRUCTIONAL LITERATURE:	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)	CHANGE IN STATUS:		
FREQUENCY RANGE: (MHz) 355 NUMBER OF CRYSTALS: None PRESET FREQUENCIES: One ANTENNA: AN-27/ARN-5 TUNING: (MO OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: 24 V. AIRCRAFT BATTERY. SIMILAR SETS: None. POWER OUTPUT: (WATTS) None. TUBES: (Type and Number) (Tentative) (BENEC MODEL) 2-122A7GT; 1-22D7; 1-955. (CROLEY MODEL) 1-122A7GT; 2-122A7GT; 1-22D7; 2-6AR5. (EMERSON MODEL) 1-65L7GT; 1-122A7GT; 1-22D7; 1-955.		USE: Airborne slide path receiver for giving PILOT VERTICAL GUIDANCE FOR INSTRUMENT APPROACH OR LANDING. NAME: TO COMMUNICATE WITH: AN/ORN-2 TO REPLACE IN PART: AN/ARN-5 IS A PART OF A SET-UP WHICH REPLACES SCR-581. TRANSPORTATION: Airborne TYPE OF SIGNAL: MW, voice	 RADIO RECEIVER R-15/ARN-5 (TOP VIEW, COVER REMOVED) PART OF RADIO SET AN/ARN-5. DEVELOPMENTAL MODEL.		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)					
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
RADIO RECEIVER, R-15/ARN-5; R-47/ARN-5 or R-57/ARN-5	6-1/2"	4"	8"	20	
COMBINED WEIGHT OF COMPONENTS:				100 Approx.	
COMBINED VOLUME OF COMPONENTS:					
SHIP TONNAGE:					



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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: (MHz) .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: (MO OR XTAL) SENSITIVITY: 50 MICROVOLTS/METER, SELECTIVITY: ---- POWER SOURCE: 24 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.		USE: AUTOMATIC RADIO COMPASS SIMILAR TO SCR-269 PRIMARILY USED FOR NAVIGATION, INSTALLED IN AIRPLANE. RANGE (MILES) TO COMMUNICATE WITH: TO REPLACE IN PARTS: 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 - MOR AND VOICE.			
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)					
			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
				HEIGHT	WIDTH	DEPTH		
1 Radio Compass Unit 2 Radio Control Box 1 Loop 2 Indicators (NO FURTHER DATA ON COMPONENTS AVAILABLE AT PRESENT.)								
COMBINED WEIGHT OF COMPONENTS (ESTIMATED)				50#				
COMBINED VOLUME OF COMPONENTS				1500-----CUBIC INCHES				
SHIP TONNAGE:					MAXIMUM			

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***AN/ARN-7**NOMENCLATURE
DESIGNATIONNOTE: 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 HORN ANTENNA

TUNING: (MC OR XTAL) Remote Manual

SENSITIVITY: 40 mv./Meter

SELECTIVITY: 10 TIMES RESONANT INPUT FOR 6.3kc
BANDWIDTH.

POWER SOURCE: 110 V. 600 CYCLES A-C

SIMILAR SETS: SCR-269 (INTERCHANGEABLE BY COMPONENTS)

POWER OUTPUT: (WATTS)

TUNES: (TYPE AND NUMBER)	2 - VT - 66	1 VT - 96
	1 - VT - 74	1 VT - 90
	1 - VT - 86	1 VT - 105
	1 - VT - 87	2 VT - 109
	2 - VT - 95	

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 NR-3/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"	3.75#	RESTRICTED
1 Loop LP-21	25 3/8"	14 31/32"	9"	10.57#	UNCLASSIFIED
1 Indicator I-51	3 1/4"	3 1/4"	3 11/16"	.75#	UNCLASSIFIED
1 Indicator I-52	5 1/8"	5 1/8"	4 3/32"	1.19#	UNCLASSIFIED
1 Relay RK-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 NR-4/ARN-7
PART OF DEVELOPMENTAL MODEL OF RADIO COMPASS AN/ARN-7

THIS SHEET IS CLASSIFIED: RESTRICTED

INSTRUCTIONAL LITERATURE:	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION AN/CRN-1			
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED) 1		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED) 1		
 PARACHUTE W-91/CRN-1; PART OF RADIO TRANSMITTING EQUIPMENT AN/CRN-1 (1) STATIC LINE, (2) CONTAINER FOR PARACHUTE AND SISTER RING RELEASE MECHANISM, (3) METAL BAND, (4) LOAD LINE, (5) RED CORD, TO BE FASTENED TO PULL SWITCH LOOP (6) BLACK CORD TO BE FASTENED TO FLOAT CORD LOOP, (7) SNAP FASTENER, (TO BE ATTACHED TO HANDLE ON OUTER CASE.				FREQUENCY RANGE: (MC) 1.45 - 1.70 NUMBER OF CRYSTALS: None PRESET FREQUENCIES: ANTENNA: TELESCOPING WHIP TUNING: (MC OR XTAL) MC SENSITIVITY: SELECTIVITY: POWER SOURCE: BATTERIES SIMILAR SETS: None POWER OUTPUT: (WATTS) Less than one TUBES: (Type and Number) 2 - 6X6GT		USE: BUCK DROPPED INTO THE SEA FROM AIRCRAFT, AUTOMATICALLY TRANSMITS A SIGNAL FOR HOMING BY MEANS OF RADIO COMPASS SCR-269, WORKS 12 HOURS AND THEN STOPS. RANGE: 50 MILES OVER SEA WATER. TO COMMUNICATE WITH: SCR-269 TO REPLACE IN PART: TRANSPORTATION: Sea TYPE OF SIGNAL: C. R.	
RADIO TRANSMITTING EQUIPMENT AN/CRN-1 (SIDE VIEW, CONTAINERS EXTENDED), (1) ANTENNA, (2) DELAYED TIMER CONTROL KNOB, (3) INNER CONTAINER, (4) OUTER CONTAINER.				PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED) 1			
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION	
		HEIGHT	WIDTH	DEPTH			
Radio Transmitter T-2/CRN-1		4' 6"	8" DIAMETER			RESTRICTED	
Battery BA-201/CRN-1						UNCLASSIFIED	
* HEIGHT OF TRANSMITTER NOT EXTENDED.							
COMBINED WEIGHT OF COMPONENTS			25#				
COMBINED VOLUME OF COMPONENTS			1.5 cu.ft.				
SHIP TONNAGE							

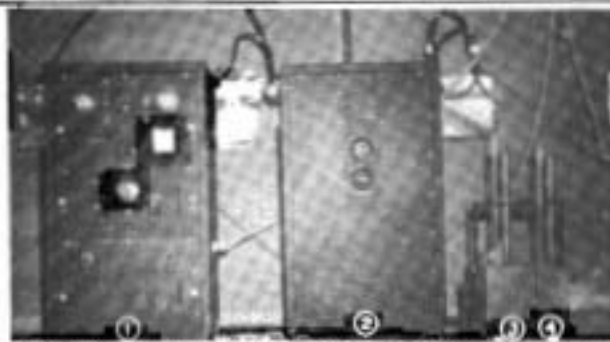
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AN/CRN-2		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 7 Feb 44	INSTRUCTIONAL LITERATURE:											
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		CHANGE IN STATUS: (1) Transmitter and Receiver, (2) Receiver Power Supply.		RADIO SET, AN/CRN-2 (SLIDE PATH TRANSMITTING EQUIPMENT SET UP FOR OPERATION) (OVERLAP/SHOOTING MODE). (1) Transmitter and Receiver, (2) Receiver Power Supply.											
FREQUENCY RANGE: (MHz) 550 to 560 NUMBER OF CRYSTALS: 1 PRESET FREQUENCIES: 555 Mc. ANTENNA: FOLDED DIPOLES TUNING: (MD OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: DC-15.5 MOTOR GENERATOR (115 V 60 CYCLES) SIMILAR SETS: POWER OUTPUT: (Watts) 25 Watts of DC power. TUBES: (Type and Number) <table border="0"> <tr> <td>1-6X5</td> <td>1-6X6</td> </tr> <tr> <td>2-6X7</td> <td>1-6X8</td> </tr> <tr> <td>1-6X7</td> <td>2-6X8</td> </tr> <tr> <td>2-1X5</td> <td>1-6X9</td> </tr> <tr> <td>1-6X7ET</td> <td>1-6X9</td> </tr> <tr> <td>1-9002</td> <td>1-6X10</td> </tr> </table>				1-6X5	1-6X6				2-6X7	1-6X8	1-6X7	2-6X8	2-1X5	1-6X9	1-6X7ET	1-6X9	1-9002	1-6X10	USE: IS A SLIDE PATH TRANSMITTER WHICH FIXES THE ANGLE OF APPROACH. THIS IS INDICATED ON A HORIZONTAL POINTER CONTAINED IN THE AN/CRN-2, INSTRUMENT LANDING RECEIVING EQUIPMENT. RANGE: (Miles) 15 miles at 3000 ft. TO COMMUNICATE WITH: AN/CRN-5 TO REPLACE IN PART: TRANSPORTATION: INSTALLED IN AIR-TRANSPORTABLE TRAILER. TYPE OF SIGNAL: STRAIGHT LINE SLIDE PATH - DOUBLE BEAM MCW SYSTEM.
1-6X5	1-6X6																		
2-6X7	1-6X8																		
1-6X7	2-6X8																		
2-1X5	1-6X9																		
1-6X7ET	1-6X9																		
1-9002	1-6X10																		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																			
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION														
	HEIGHT	WIDTH	DEPTH																
(NOT YET DEFINITELY DETERMINED)																			
COMBINED WEIGHT OF COMPONENTS:																			
COMBINED VOLUME:																			
SHIP TONNAGE:																			

THIS SHEET IS CLASSIFIED: RESTRICTED

AN/CRN-3INSTRUCTIONAL LITERATURE:
AN-25-10-173 (M1)

STATUS:

NOTE: SEE INDIVIDUAL SECTIONS
FOR SECTION CLASSIFICATION.NOMENCLATURE
DESIGNATION:LOOPS MOUNTED ON
TEMPORARY FRAME-
WORK, OUTSIDE
PORTABLE SHELTER.

(1) TRANSMITTER BC-751, (2) MODULATOR & BRIDGE BC-752, (3) COURSE DETECTOR BC-754 (PORTABLE), (4) FIELD INTENSITY METER BC-755.



(1) CONTROL BOX BC-915, (2) INDICATOR BOX BC-777, (3) VOLTMETER BC-916, (4) CASE BC-72, (5) RADIO SET BC-917.

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

FREQUENCY RANGE: (M) 108.3-110.3

NUMBER OF CRYSTALS: 3 or 4

PRESET FREQUENCIES: 108.3, 108.7, 109.1, 109.5, 109.9, 110.3.

ANTENNA: 5 ALFORD LOOPS IN SAME HORIZONTAL PLANE.

TUNING: (MO OR XTAL) XTAL

SENSITIVITY: SELECTIVITY:

POWER SOURCE: POWER UNIT-PE-141 or 110V, 60 CYCLES.

SIMILAR SETS: AN/MRN-1

POWER OUTPUT: (WATTS) 25

TUBES: (TYPE AND NUMBER) 1 BC-751 Tubes 4-607N, 3-6X4, 1-6X5, 1-6X6, 1-6X7, 1-6X8, 1-6X9, 1-6X10, 1-6X11, 1-6X12, 1-6X13, 1-6X14, 1-6X15, 1-6X16, 1-6X17, 1-6X18, 1-6X19, 1-6X20, 1-6X21, 1-6X22, 1-6X23, 1-6X24, 1-6X25, 1-6X26, 1-6X27, 1-6X28, 1-6X29, 1-6X30, 1-6X31, 1-6X32, 1-6X33, 1-6X34, 1-6X35, 1-6X36, 1-6X37, 1-6X38, 1-6X39, 1-6X40, 1-6X41, 1-6X42, 1-6X43, 1-6X44, 1-6X45, 1-6X46, 1-6X47, 1-6X48, 1-6X49, 1-6X50, 1-6X51, 1-6X52, 1-6X53, 1-6X54, 1-6X55, 1-6X56, 1-6X57, 1-6X58, 1-6X59, 1-6X60, 1-6X61, 1-6X62, 1-6X63, 1-6X64, 1-6X65, 1-6X66, 1-6X67, 1-6X68, 1-6X69, 1-6X70, 1-6X71, 1-6X72, 1-6X73, 1-6X74, 1-6X75, 1-6X76, 1-6X77, 1-6X78, 1-6X79, 1-6X80, 1-6X81, 1-6X82, 1-6X83, 1-6X84, 1-6X85, 1-6X86, 1-6X87, 1-6X88, 1-6X89, 1-6X90, 1-6X91, 1-6X92, 1-6X93, 1-6X94, 1-6X95, 1-6X96, 1-6X97, 1-6X98, 1-6X99, 1-6X100.

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

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.

RANGE: 75 Miles

TO COMMUNICATE WITH: AC-105

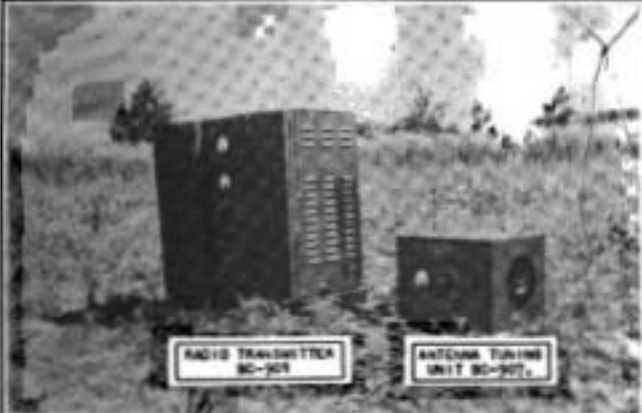
TO REPLACE IN PART: Army A-1 Instrument Landing System.

TRANSPORTATION: Air

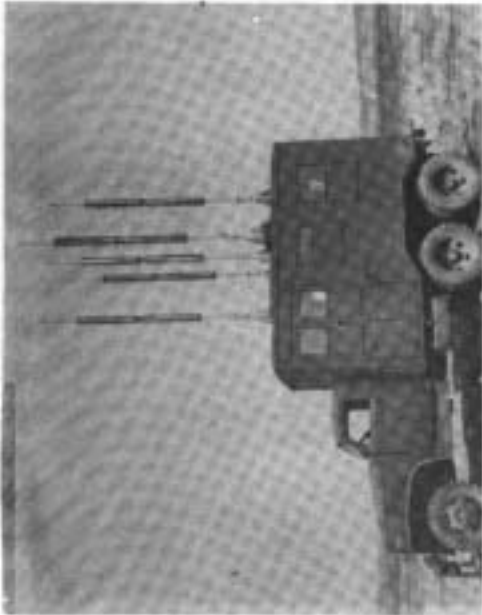
TYPE OF SIGNAL: CW, MOR, Voice.

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

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
RADIO TRANSMITTER EQUIPMENT AC-107					RESTRICTED
LOCALIZER TRANSMITTER EQUIPMENT CONSISTS OF:					UNCLASSIFIED
CONTROL BOX BC-915			800 #		
RADIO TRANSMITTER BC-751			550 #		RESTRICTED
MODULATOR & BRIDGE BC-752			300 #		RESTRICTED
COURSE DETECTOR BC-754 (FIXED)			80 #		RESTRICTED
COURSE DETECTOR BC-754 (PORTABLE)			25 #		RESTRICTED
FIELD INTENSITY METER BC-755			70 #		RESTRICTED
INDICATOR BC-777 (ALARM)			140 #		RESTRICTED
ANTENNA EQUIPMENT AC-109			135 #		UNCLASSIFIED
RADIO SET BC-917			100 #		
HEATER 9-321			300 #		
MAINTENANCE PLANT & TOOLS			60 #		
SURVEYING INSTRUMENT					
CRYSTAL UNIT BC-8					
VOLTMETER IS-175 (BALANCED R.F.)					UNCLASSIFIED
VOLTMETER IS-176 (UNBALANCED R.F.)					UNCLASSIFIED
COMBINED WEIGHT OF COMPONENTS:			3095 #		
COMBINED VOLUME OF COMPONENTS:					
SHIP TONNAGE:					

INSTRUCTIONAL LITERATURE	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: AN/GRN-1																																								
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: 0.2 - 0.6 NUMBER OF CRYSTALS: PER SPECIAL ORDER. PRESET FREQUENCIES: None ANTENNA: Special - 200 MHF, 7 OHMS OR LESS. TUNING: (MC OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: Power Unit PE-75 ON 110 VOLTS 50 - 60 CYCLES, 550 WATT AMPERES SIMILAR SETS: None POWER OUTPUT: (WATTS) 50 TUBES: (Type and Number) 1 VT-155 (5A3) 1 VT-76 (6X4) 1 VT-100 (6AV6)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: A GROUND RADIO BEARING TO WHICH AIRCRAFT CAN HOME OR TAKE BEARING. RANGE: 100 MILES OVER LAND OR 500 MILES OVER SEA WATER. TO COMMUNICATE WITH: SCR-269 TO REPLACE IN PART: None TRANSPORTATION: TYPE OF SIGNAL: CW, MOR, VOICE.																																							
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																									
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO TRANSMITTER SC-901</td> <td>25"</td> <td>20"</td> <td>16"</td> <td>205 #</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>POWER UNIT PE-75</td> <td>36"</td> <td>19"</td> <td>21"</td> <td>350 #</td> <td>UNCLASSIFIED</td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>ABOUT 550 LBS.</td> <td>COMPLETE</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 TRANSMITTER SC-901	25"	20"	16"	205 #	UNCLASSIFIED	POWER UNIT PE-75	36"	19"	21"	350 #	UNCLASSIFIED	COMBINED WEIGHT OF COMPONENTS:				ABOUT 550 LBS.	COMPLETE	COMBINED VOLUME OF COMPONENTS:						SHIP TONNAGE:					
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SHIP TONNAGE:																																												

RADIO SET AN/GRN-1 SHOWING COMPONENTS

INSTRUCTIONAL LITERATURE:	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION AN/MRN-2																																
	CHANGE IN STATUS:	DEVELOPMENTAL MODEL OF RADIO SET AN/MRN-2 (LEFT SIDE VIEW, ANTENNAS SET UP READY FOR OPERATION) INCLOSURE AND INSTRUCTIONS SECTION AIRCRAFT RADIO NAVIGATION (AN/MRN-2)	PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED) FREQUENCY RANGE: (MC) 100 - 156 TUNER OVER 5 MC. BAND. NUMBER OF CRYSTALS: UNDER DEVELOPMENT. PRESET FREQUENCIES: NOT YET DETERMINED. ANTENNA: VERTICALLY POLARIZED TUNING: (MC OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: 115 VOLT 60 CYCLE SINGLE PHASE, GENERATOR CAPACITY 2 KVA-NO AND 5 VOLT 20 AMP. DC. SIMILAR SETS: AN/ORN-5 POWER OUTPUT: (WATTS) COMB OF SILENCE 25 WATTS (ARL-117-1) RADIO TRANS. 100 WATTS CARRIER & 50 WATTS SIDE BAND ARL-117. TUBES: (TYPE AND NUMBER) 1-6AC7 4-6X7GT 2-829 1-6BB 2-6V6GT 2-832 3-6B6 3-6X5GT 6-856 1-6J5 1-125 1-VK150 2-6B7 1-927 1-6BX7 4-607	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED) USE: PORTABLE U.H.F. RADIO TWO COURSE AURAL RADIO RANGE WITH STATION IDENTIFICATION, PERIODIC SQUAD IDENTIFICATION, AND SIMULTANEOUS PHONE TRANSMISSION. RANGE: (MILES) 80 TO COMMUNICATE WITH: SCR-522 TO REPLACE IN PART: SCR-277 TRANSPORTATION: TRUCK TYPE OF SIGNAL: CW, MCW, AND VOICE.																																
			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>(NOT YET DEFINITELY DETERMINED)</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS</td><td></td><td></td><td></td><td></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	(NOT YET DEFINITELY DETERMINED)						COMBINED WEIGHT OF COMPONENTS						COMBINED VOLUME OF COMPONENTS						SHIP TONNAGE:			
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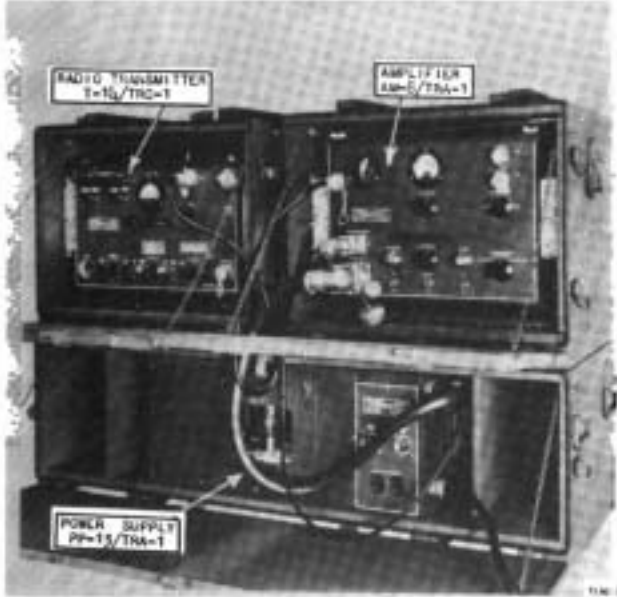
THIS SHEET IS CLASSIFIED: RESTRICTED

AN/MRN-3		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS:		STANDARD 1) (or 4)		INSTRUCTIONAL LITERATURE:	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)				CHANGE IN STATUS:			
FREQUENCY RANGE: (M.) 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-50, OR POWER UNIT PE-214. SIMILAR SETS: POWER OUTPUT: (Watts) One TUBES: (TYPE AND NUMBER) NO-115 USER; 1-VT-75 (52L); 2-VT-135 (VN-150-30); 1-VT-100 (7E5); 2-VT-109, (7F7); 1-7N7; 5-7C5. SCR-610; 1-SC-610-A1 USER; 5-1LH5; 2-125H; 4-125H; 1-125H; 1-125H; 1-LDS. 1 PE-117 USER; 1 VN-50-30; 1 OR1005.				USE: TRANSMITS VERTICAL PATTERN TO BE RECEIVED BY NO-59, NO-43, NO-195, HARRIER REFERENCE POINTS IN INSTRUMENT LANDING SYSTEM RANGE: 10,000 FEET, OVERHEAD. TO COMMUNICATE WITH: NO-59, NO-43, NO-195, NO195Z TO REPLACE IN PART: SO-502. TRANSPORTATION: JEEP. TYPE OF SIGNAL: CW; MOR.							
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)											
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION					
		HEIGHT	WIDTH	DEPTH							
WHEAT BRIDGE TRANSMITTERS EQUIPMENT NO-115 POWER UNIT PE-50 OR POWER UNIT PE-214 * RADIO SET SCR-610 1/4-Ton & X & TRUCK ("JEEP")		18"	12"	20"	57# 45#	UNCLASSIFIED RESTRICTED UNCLASSIFIED	*PE-214 IS UNCLASSIFIED				
		72"	65"	132"							
COMBINED WEIGHT OF COMPONENTS:					250# Plus JEEP.						
COMBINED VOLUME OF COMPONENTS:											
SHIP TONNAGE:											

THIS SHEET IS CLASSIFIED: RESTRICTED

THIS SHEET IS CLASSIFIED: **RESTRICTED**

(GROUND SIGNAL EQUIPMENT; GROUND RADIO.)

INSTRUCTIONAL LITERATURE:	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: AN/TRA-1																																																
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																															
 RADIO TRANSMITTER T-10/TRC-1 AMPLIFIER AM-5/TRA-1 POWER SUPPLY PP-13/TRA-1			FREQUENCY RANGE: (MC) 70 - 100 NUMBER OF CRYSTALS: NONE (AMPLIFIER UNIT) PRESET FREQUENCIES: NONE ANTENNA: 3 ELEMENT PARABOLIC BEAM. TUNING: (MC OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: POWER SUPPLY PP-13/TRA-1 SIMILAR SETS: NONE POWER OUTPUT: (WATTS) 250 TUBES: (TYPE AND NUMBER) 2 6X-257-B		USE: ARMY GROUND FORCES; ARMY SERVICE FORCES. RANGE: MINIMUM 25 MILES, MAXIMUM ACCORDING TO TERRAIN. TO COMMUNICATE WITH: AN/TRC-1, AN/TRC-3, AN/TRC-4. TO REPLACE IN PART: NONE TRANSPORTATION: VEHICULAR TYPE OF SIGNAL: FM																																															
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			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>AMPLIFIER AM-5/TRA-1</td> <td></td> <td></td> <td></td> <td></td> <td rowspan="4"> RESTRICTED UNCLASSIFIED UNCLASSIFIED </td> </tr> <tr> <td>POWER SUPPLY PP-13/TRA-1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SPARE PARTS KIT MK-11/TRA-1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>FOR ANTENNA EQUIPMENT SEE RADIO SETS TRC-1, TRC-3 AND TRC-4.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">COMBINED VOLUME OF COMPONENTS:</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">SHIP TONNAGE:</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	AMPLIFIER AM-5/TRA-1					RESTRICTED UNCLASSIFIED UNCLASSIFIED	POWER SUPPLY PP-13/TRA-1					SPARE PARTS KIT MK-11/TRA-1					FOR ANTENNA EQUIPMENT SEE RADIO SETS TRC-1, TRC-3 AND TRC-4.					COMBINED WEIGHT OF COMPONENTS:						COMBINED VOLUME OF COMPONENTS:						SHIP TONNAGE:					
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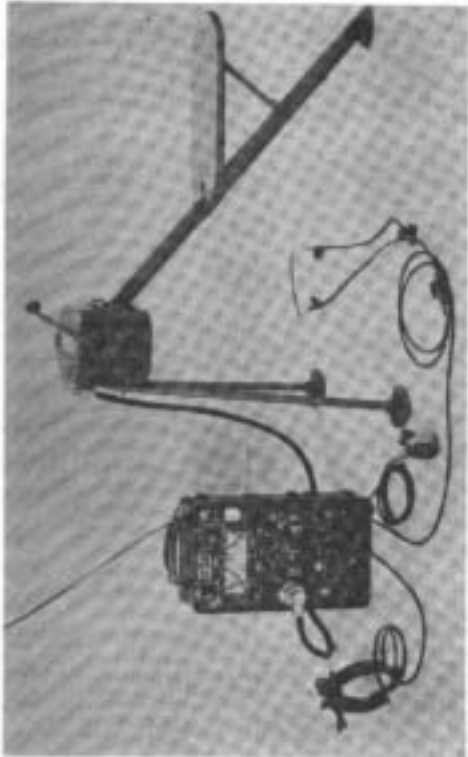
Radio Transmitter T-10/TRC-1, Amplifier AM-5/TRA-1, and Power Supply PP-13/TRA-1, Placement

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

THIS SHEET IS CLASSIFIED: **RESTRICTED**

PAGE 13

INSTRUCTIONAL LITERATURE:	STATUS:	STANDARD 25 Apr 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	AN/TRC-2
	CHANGE IN STATUS:				



BASIC COMPONENTS OF RADIO SET AN/TRC-2, SET UP FOR FIELD OPERATION, SHOWING HAND GENERATOR AND STEEL TUBE ANTENNA. TWO IDENTICAL TRANSMITTER-RECEIVER UNITS ARE SHOWN. THE TYPE ANTENNA IS USED WITH RADIO SET AN/TRC-2 DIFFERING IN FREQUENCY RANGE. THE TYPE ANTENNA IS DESIGNED FOR RESISTANCE TO HUMIDITY AND EXTREME HIGH AND LOW TEMPERATURE.

PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)						PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)											
FREQUENCY RANGE: (MC) 2 - 6.5 (80-1306-3.8-6.5); RT-12/TRC-2 (2-3.5)												USE: SPECIAL, LONG RANGE, MAIN PACK SET FOR COMMUNICATION FROM ISOLATED UNITS TO HEAD-QUARTERS.					
NUMBER OF CRYSTALS: 6 PER SET												RANGE: APPROXIMATELY 100 MILES ON CW					
PRESET FREQUENCIES:												TO COMMUNICATE WITH: SCR-299; SCR-694					
ANTENNA: A ONE-RE; 2 INVERTED L TYPE WITH COUNTER-POISE OR $\frac{1}{2}$ WAVE HORIZONTAL												TO REPLACE IN PART: NONE.					
TUNING: (MO OR XTAL) MO AND XTAL												TRANSPORTATION: MAIN PACK, REQUIRES 12 TO 14 MEN.					
SENSITIVITY: SELECTIVITY:												TYPE OF SIGNAL: A-1; A-3 (AM)					
POWER SOURCE: HAND GENERATOR GN-53 OR POWER UNIT PE-162																	
SIMILAR SETS: SCR-694																	
POWER OUTPUT: (WATTS) 30 ON A-1; 6 ON A-3																	
TUBES: (TYPE AND NUMBER)																	
4-1L, 2-304, 4-1R5, 2-8E22, 2-105, 2-6R105, 4-3AL																	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																	
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION												
	HEIGHT	WIDTH	DEPTH														
TRANS. & REC. RT-12/TRC-2					RESTRICTED												
TRANS. & REC. 80-1306					RESTRICTED												
HAND GENERATOR GN-53					UNCLASSIFIED												
GASOLINE ENGINE DRIVEN GEN. PE-162					UNCLASSIFIED												
COMBINED WEIGHT OF COMPONENTS:																	
COMBINED VOLUME OF COMPONENTS:																	
SHIP TONNAGE:																	

(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

THIS SHEET IS CLASSIFIED: **RESTRICTED**

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

RC-39		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS	STANDARD 25 Oct 38	INSTRUCTIONAL LITERATURE: (RM) 08-10-79	
						CHANGE IN STATUS			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)						
FREQUENCY RANGE: (MHz) 52 to 58 NUMBER OF CRYSTALS: none PRESET FREQUENCY(S): 75 MHz ANTENNA: 1/2 wave antenna TUNING: (MC OR XTAL) SENSITIVITY: About 2000 microvolts/meter SELECTIVITY: POWER SOURCE: 12 volts from aircraft battery and high voltage from radio compass. SIMILAR SETS: RC-45 POWER OUTPUT: (WATTS) TUBES: (Type and Number) (1) 6X4, (1) 6X5			USE: To receive 75 MHz, VOR/VORTAC signals. RANGE: TO COMMUNICATE WITH: RC-115, AN/WRN-3 TO REPLACE IN PART: RC-20 TRANSPORTATION: Airborne TYPE OF SIGNAL: M. C. N.						
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)									
ITEM		DIMENSIONS			WEIGHT				CLASSIFICATION
		HEIGHT	WIDTH	DEPTH					
Radio Receiver RC-39/1		5 3/8"	5 3/8"	5 7/16"	2.45 #	UNCLASSIFIED			
COMBINED WEIGHT OF COMPONENTS					4.50 #				
COMBINED VOLUME OF COMPONENTS					1 cu. ft.				
SHIP TONNAGE									

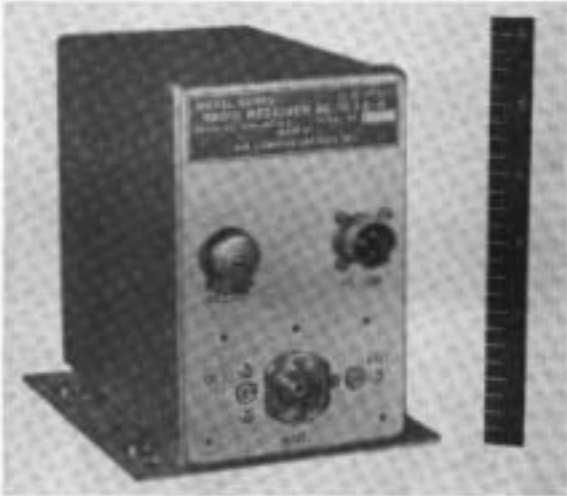
140-28 834-3334 01229

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

INSTRUCTIONAL LITERATURE: (MM) (AN-05-10-176 (DN RC-115-A)	STATUS: CHANGE IN STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION RC-115																			
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MC) None NUMBER OF CRYSTALS: None PRESET FREQUENCIES: 75 MC. ANTENNA: One Dipole TUNING: (MC OR XTAL) MC SENSITIVITY: SELECTIVITY: POWER SOURCE: 115 V 50-60 CYCLES 150 WATTS SIMILAR SETS: None POWER OUTPUT (WATTS) One TUBES: (Type and Number) <table style="margin-left: 20px;"> <tr><td>1</td><td>6X4</td><td>(5A6)</td></tr> <tr><td>2</td><td>6X4</td><td>(6AR5-30)</td></tr> <tr><td>3</td><td>6X4</td><td>(6X6)</td></tr> <tr><td>4</td><td>6X4</td><td>(6V6)</td></tr> <tr><td>5</td><td>6X4</td><td>(6V6)</td></tr> <tr><td>6</td><td>6X4</td><td>(6V6)</td></tr> </table>	1	6X4	(5A6)	2	6X4	(6AR5-30)	3	6X4	(6X6)	4	6X4	(6V6)	5	6X4	(6V6)	6	6X4	(6V6)	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-109, RC-1952, AN/AN-05. TO REPLACE IN PART: RC-302 TRANSPORTATION: PLANE OR ANY VEHICLE. TYPE OF SIGNAL: CW, MORSE, 1300, 3000 CYCLES PER SECOND & DOTS PER SECOND OR 2 DOTS PER SECOND.	
1	6X4	(5A6)																					
2	6X4	(6AR5-30)																					
3	6X4	(6X6)																					
4	6X4	(6V6)																					
5	6X4	(6V6)																					
6	6X4	(6V6)																					
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)																							
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION																	
		HEIGHT	WIDTH	DEPTH																			
Radio Transmitter RC-302		22"	31"	10"	5 LB	RESTRICTED																	
COMBINED WEIGHT OF COMPONENTS					5 LB																		
COMBINED VOLUME OF COMPONENTS		7.5 cu. ft.																					
SHIP TONNAGE																							

THIS SHEET IS CLASSIFIED RESTRICTED

RC-193, 193-Z		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS:		INSTRUCTIONAL LITERATURE: (HMI) AN-05-10-196	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)				CHANGE IN STATUS:	
FREQUENCY RANGE: (MHz) 75 NUMBER OF CRYSTALS: None PRESET FREQUENCIES: (MHz) 75 ANTENNA: 1/2 wave TUNING: (MD OR XTAL) None SENSITIVITY: About 2000 MICROVOLTS/METER SELECTIVITY: POWER SOURCE: LOW AND HIGH VOLTAGE SUPPLIED BY AIRPLANE 24 V. BATTERY. SEE NOTES SIMILAR SETS: RC-39, RC-43 POWER OUTPUT (WATTS) TUBES: (Type and Number) (1) 6BM7 (1) 6SL7-GT(VT-229) (1) 12SK7-GT				USE: To receive 75 MC Marker Beacon signals. RANGE: Does not apply. TO COMMUNICATE WITH: RC-115, AM/MFN-5 TO REPLACE IN PART: RC-39, RC-43 TRANSPORTATION: Airborne TYPE OF SIGNAL: M.C.W.					
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)									
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION			
		HEIGHT	WIDTH	DEPTH					
Radio Receiver RC-1025 & 1033		5 3/16"	5 3/8"	3 7/16"	2.47#	RESTRICTED			
COMBINED WEIGHT OF COMPONENTS					5.17#				
COMBINED VOLUME OF COMPONENTS					45.88 cu. in.				
SHIP TONNAGE:					4.5 LBS. (approx.)				

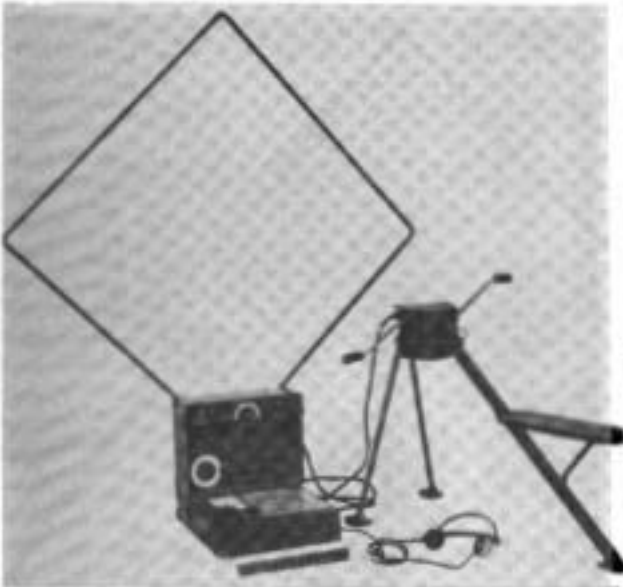


Radio Receiver RC-1025, front view, part of RC-193 and RC-193-Z.

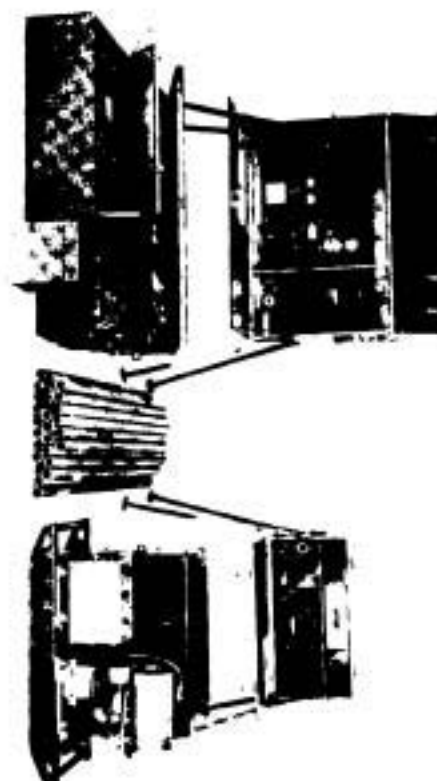
This Receiver differs from RC-39 and RC-43 in that it does not require any high voltage supply.

* NOTE REGARDING POWER SOURCE: RC-193 and RC-193-Z are identical except that RC-193-Z works from 32 V. battery.

THIS SHEET IS CLASSIFIED: RESTRICTED

INSTRUCTIONAL LITERATURE TM-11-237	STATUS: CHANGE IN STATUS	ORIGINATE 1 Feb 44	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION SCR-131																																													
 RADIO SET SCR-131 IN OPERATING POSITION LOW POWER, PORTABLE COMMUNICATION SET, REPLACED BY SCR-308			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: TRANSMITTER 3.96 to 4.36 (Mc) NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: LOOP LP-7 TUNING: (MO ON CRYSTAL): MO SENSITIVITY: SELECTIVITY: POWER SOURCE: TRANSMITTER: HAND GENERATOR 104400V. RECEIVER: DRY BATTERY 48 & 45 V. SIMILAR SETS: SCR-161 (DIFFERENT FREQUENCY) POWER OUTPUT: 5 Watts TUBES: (Type and Number) 1 - Type 90 VT-25 3 - Type 846 VT-54	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: USED BY INFANTRY, ARMORED FORCE FOR COMMAND COMMUNICATION BETWEEN BRIGADE AND REGIMENTS AND BATTALIONS OF THE INFANTRY DIVISION. ON GROUND: INF, BNQ, CO., REPT HQ CO., BN., SEC COM PLAT. RANGE: 5 MILES. TO COMMUNICATE WITH: SCR-131, SCR-195, SCR-365 AND SCR-288. TO REPLACE IN PART: SCR-77-B TRANSPORTATION: CARRIED BY VEHICLE, OR 2-MAN PACK. TYPE OF SIGNAL: CW ONLY.																																													
						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>TRANSMITTER & RECEIVER, SC-105</td> <td></td> <td></td> <td></td> <td>22#</td> <td></td> </tr> <tr> <td>HAND GENERATOR, GH-35</td> <td></td> <td></td> <td></td> <td>20-1/2#</td> <td></td> </tr> <tr> <td>ANTENNA LOOP, LP-7</td> <td></td> <td></td> <td></td> <td>1-5/8#</td> <td></td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS</td> <td></td> <td></td> <td></td> <td>74#</td> <td></td> </tr> <tr> <td>COMBINED VOLUME OF COMPONENTS</td> <td></td> <td></td> <td></td> <td>6 Cu. Ft.</td> <td></td> </tr> <tr> <td>SHIP TONNAGE:</td> <td></td> <td></td> <td></td> <td>50#</td> <td></td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	TRANSMITTER & RECEIVER, SC-105				22#		HAND GENERATOR, GH-35				20-1/2#		ANTENNA LOOP, LP-7				1-5/8#		COMBINED WEIGHT OF COMPONENTS				74#		COMBINED VOLUME OF COMPONENTS				6 Cu. Ft.		SHIP TONNAGE:				50#			
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																												
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TRANSMITTER & RECEIVER, SC-105				22#																																													
HAND GENERATOR, GH-35				20-1/2#																																													
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COMBINED VOLUME OF COMPONENTS				6 Cu. Ft.																																													
SHIP TONNAGE:				50#																																													

SCR-177		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS:		STANDARD 24 Dec 33		INSTRUCTIONAL LITERATURE: TM 11-232	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MD) Trans: $\frac{1}{2}$ to .8; 1.5 to 4.5 Receiv: $\frac{1}{2}$ to 1.0; 1.5 to 4.5. NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: Chord-foot $\frac{1}{2}$ to .8 No./1.5 to 4.5; INVERTED "L". AM-21-A, 22-A, 23, 25, 26, & 27. TUNING: (MD OR XTAL) MD SENSITIVITY: SELECTIVITY: POWER SOURCE: Trans. DC-191-A; Receiv. DC-189-A; DC-189-A; DC-189-A; DC-189-A; DC-189-A; WITH 12- V. STORAGE BATTERY. SIMILAR SETS: SCR-180 POWER OUTPUT: (Watts) 75 at 855 MHz. TUBES: (Type and Number) Tube content of 177-A: 1 DC-189-A; 3 36; 1 38; 4 39/44. 1 DC-191-A; 1 10; 4 211.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: See G; See Sm, Div See Gp, R.I. Gp, AA Rest Hq, AA Gp Hq Gp. CAC: (TD) SHQ, Rest Hq, Sm Hq. BY ART: (MD) SHQ, Rest Hq, Sm Hq, Dstat (LTRE) M. RANGE: (Miles) DB-100; Tone-70; Voice-30. TO COMMUNICATE WITH: SCR-177-B; SCR-187; SCR-195; SCR-256; 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)						RADIO SET SCR-177-A, PRINCIPAL COMPONENTS. Mobile force, using "pusher" ground communication set. Prior to Post war Ground-to-Air communications, the "A" model differs from the original in that it includes an improved trans- mitter. The "B" model differs from the original in that the receiver frequencies are covered by two receivers with built-in coils in lieu of one receiver with separate coils. SCR-177-B uses receivers DC-182 and DC-183 which tune 150 to 35.0 MHz. To be partially replaced by SCR-203, mobile force radios etc. See SCR-177-B.					
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION					
		HEIGHT	WIDTH	DEPTH							
Radio Trans. DC-191-A						UNCLASSIFIED					
Radio Receiv. DC-189-A						UNCLASSIFIED					
Power Unit PC-49						UNCLASSIFIED					
COMBINED WEIGHT OF COMPONENTS:					560#						
COMBINED VOLUME:					20 Cu. Ft.						
SHIP TONNAGE:											



THIS SHEET IS CLASSIFIED: UNCLASSIFIED

SCR-178		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS	ORIGITE 4 Feb 44	INSTRUCTIONAL LITERATURE: TM 11-255
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MHz) Trans. 2.5 - 3.7. Recv. 2.5 - 3.7. NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: 27 Ft. Fiberglass with Counterpoise. TUNING: (MO OR XTAL): MO SENSITIVITY: SELECTIVITY: POWER SOURCE: Trans.-Hamm Generator B & 500 V. Recv.-Dry Batteries - 4 BA-21 & BA-25 and 2 BA-27. SIMILAR SETS: SCR-179 POWER OUTPUT: (Watts) CW - 5; Tone - 3; Voice - 2.2 Tone - 1000; Voice - 500 Modulation. TUBES: (Type and Number) Tubes: 1 80-106, Recv. 2 Type 30, 2 Type 36, 1 80-107-A1, 1 Type 30, 1 Type 30S, 1 Modulator 80-106-Ac 2 Type 30.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: Used by Field Artillery. On Grounds FA, Reg., Bty., & Lt. Bn HQ, BnQ, Post HQ. For Point to Point, and Ground to Plane between All FA units, (except Pack) and aircraft for observation purposes. RANGE: (Miles) Point to Point: CW-25; Tone-20; Voice-10. Air to Ground: CW-100; Tone-75; Voice-50. TO COMMUNICATE WITH: SCR-176; SCR-179 and SCR-236. TO REPLACE IN PARTS: SCR-109-A. TRANSPORTATION: Carried in Vehicle. TYPE OF SIGNALS: CW, Tone, Voice.		 RADIO SET SCR-176 IN OPERATING POSITION		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)								
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION			
	HEIGHT	WIDTH	DEPTH					
1 Radio Trans. 80-107-(A)				12.0#	UNCLASSIFIED	 RADIO SET SCR-176 OPERATING POSITION IN FIELD RADIO SET SCR-176 is a low power set for point-to-point and ground-to-air communication between field artillery and observation aircraft. When carried in a pack this set is called SCR-179. N. F. Replacement for Radio Set SCR-109-A.		
1 Radio Modulator 80-106-(A)				6.1#	UNCLASSIFIED			
1 Radio Recv. 80-106				9.0#	UNCLASSIFIED			
1 Generator GN-37				50.0#	UNCLASSIFIED			
COMBINED WEIGHT OF COMPONENTS:				77.1#				
COMBINED VOLUME:				7 1/2 Cu. Ft.				
SHIP TONNAGE:				225 #				

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

INSTRUCTIONAL LITERATURE: TM 11-251	STATUS: CHANGE IN STATUS:	ORISITE 4 FEB 44	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-179																			
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: Transmitter, 2.5 - 5.7 Receiver, 2.5 - 5.7 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: 27 foot Fibropole, with counterpoise. TUNING: (MC OR XTAL) MC SENSITIVITY: SELECTIVITY: POWER SOURCE: Radio Generator GN-37, 8 amp 500 V. Dry Batteries as follows: 4 BA-2; 4 BA-23; 2 BA-27. SIMILAR SETS: SCR-176. POWER OUTPUT: (Watts) CW-5; Tone-3; Voice-2.2, Tone-500; Voice-900 Modulation. TUBES: (TYPE AND NUMBER) 1 80-156 VEEB; 2, 30A, 2, 3A, 1 80-157-A VEEB; 1, 10; 1, 645; 1 80-158-A VEEB; 2, 30A.	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: FIELD ARTILLERY, HORSE AND PACK ARTILLERY, OPERATES ON GROUND. RANGE: (Miles) Point-to-Point: CW-25; Tone-20; Voice-10. Air-To-Ground: CW-100; Tone-75; Voice-50. TO COMMUNICATE WITH: RM in Set SCR-176; SCR-175, AND SCR-258. TO REPLACE IN PART: Radio Set SCR-109-A TRANSPORTATION: HORSE PACK. TYPE OF SIGNAL: CW - Tone - Voice. (A.M.)																			
				PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)																			
			ITEM RADIO MODULATOR, 80-108 RADIO TRANSMITTER, 80-157 RADIO RECEIVER, 80-156 RADIO GENERATOR GN-37	<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th>WEIGHT</th> <th>CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH								
				ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION														
HEIGHT	WIDTH	DEPTH																					
RADIO SET SCR-179, IS A LOW POWER SET FOR POINT-TO-POINT AND GROUND-TO-AIR COMMUNICATION. THIS SET IS IDENTICAL WITH RADIO SET SCR-176 EXCEPT CARRYING CASES HAVE PACK SADDLE HANGERS.			<table border="1"> <tbody> <tr> <td>COMBINED WEIGHT OF COMPONENTS</td> <td colspan="3"></td> <td>205#</td> <td></td> </tr> <tr> <td>COMBINED VOLUME OF COMPONENTS</td> <td colspan="3"></td> <td>5 Cu.Ft.</td> <td></td> </tr> <tr> <td>SHIP TONNAGE</td> <td colspan="3"></td> <td></td> <td></td> </tr> </tbody> </table>			COMBINED WEIGHT OF COMPONENTS				205#		COMBINED VOLUME OF COMPONENTS				5 Cu.Ft.		SHIP TONNAGE					
COMBINED WEIGHT OF COMPONENTS				205#																			
COMBINED VOLUME OF COMPONENTS				5 Cu.Ft.																			
SHIP TONNAGE																							

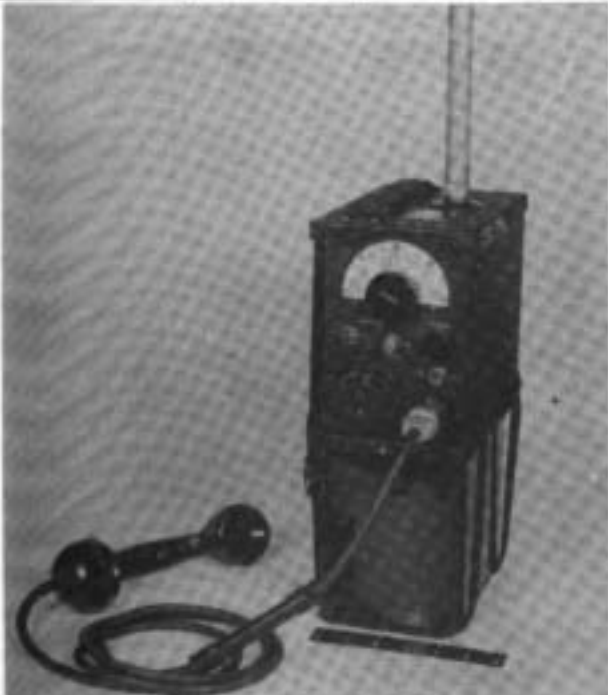
INSTRUCTIONAL LITERATURE: COVERED BY BOOKS FOR TRANS. SC-191 & RECEIVER SC-224 SC-191-A, S, G, D, E & AA-191 TM 11-600 SC-191-H - TO 06-10-163 SC-224-A TO 06-10-24 SC-224-B - TO 06-10-25 SC-224-C - TO 06-10-47 SC-224-D - IS Stock No. SC 224 D/1 SC-224-E, G, H - TO 06-10-79 SC-224-F, K - TO 06-10-100 SC-224-L - TO 06-10-164		STATUS:	LIMITED STANDARD 13 Nov 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-187	
 RADIO RECEIVER SC-224		CHANGE IN STATUS:	PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: RECV.- 1.5 - 10 Mc. TRANS.- 1.5 - 12.5 Mc.; SC-224; SC-1900Kd. NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: TRAILING WIRE TUNING: (MC OR XTAL) MC SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 - 14 VOLT AIRPLANE BATTERY SUPPLY SIMILAR SETS: SCR-207 POWER OUTPUT: (WATTS) 50 - 60 WATTS. TUBES: (TYPE AND NUMBER) SCR-AA-137 WHEN: TRANS. - 4 VT-4-B 1 VT-25 RECV. - 1 VT-37 1 VT-30 4 VT-49			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: Air-to-air, Air-to-Ground Communication Liaison Set. RANGE: (MILES) 50 TO SEVERAL HUNDRED MILES. TO COMMUNICATE WITH: SCR-188; SCR-193; SCR-197; SCR-299. TO REPLACE IN PART: TRANSPORTATION: AIRBORNE INSTALLATION. TYPE OF SIGNAL: Voice, Tone, CW.	
 ANTENNA TUNING UNIT SC-305. RADIO TRANSMITTER SC-191 (TRANSMITTER TUNING UNIT TU-5 IN PLACE) RADIO SET SCR-187, COMPONENTS. RECEIVER SC-224 CONTAINS CRYSTAL FILTER.		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)					
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION	
		HEIGHT	WIDTH	DEPTH			
Radio Trans. SC-191		21 21/32	23 1/8	9 5/16	55		
Radio Recv. SC-224		18 21/32	30 1/2	9 1/2	60		
Dynamometer Unit SC-77		11 21/32	16 3/4	8	4.4		
Radio Control Box SC-309		3 9/16	3 1/2	2 7/32	.62		
Antenna Tuning Unit SC-305		17 5/8	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		
NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH HEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.							
COMBINED WEIGHT OF COMPONENTS:					250 LB., APPROX.		
COMBINED VOLUME:					6 CU. FT., APPROX.		
SHIP TONNAGE:							

NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS	STANDARD	INSTRUCTIONAL LITERATURE
SCR-188					24 Dec 33	TM 11-233.
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: Trans.: 1.5 - 12.5. Recep.: 0.5 - 15.0 MC. NUMBER OF CRYSTALS: 1 as RTAL oscillation. PRESET FREQUENCIES: ANTENNA: Inverted L (8 or 3 1/2 wave). AM-22-A, 25-A, 25, 26, 27, & 28. TUNING: (MC OR KTL) NO SENSITIVITY: SELECTIVITY: POWER SOURCE: Trans. PE-43-A (Nom., 80-AA-69); 80-AA-69; 80-AA-69; 80-AA-69, with 12 V storage battery. SIMILAR SETS: SCR-177-A except frequency. POWER OUTPUT: (Watts) 75 at 85% Modulation Trans. Voice. TUBES: (Type and Number) 1 80-109-A; 3 type 36; 1 type 30; 1 type 35/G; 1 80-AA-191; 1 type 30 & type 211 SPL.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: AC Pursuit; 3000, exp. 800. ATTACH: 3000, exp. 800. 800. Size Co: 1 800 Co. RANGE: (Miles) CB-100; Trans-70; Voice-30. TO COMMUNICATE WITH: SCR-185; SCR-187; SCR-188; SCR-197; SCR-260-A; SCR-273-A; SCR-281-A; SCR-273-A; SCR-281; SCR-287; SCR-230-A. TO REPLACE IN PART: NONE TRANSPORTATION: VEHICLES OR PLANE (OPERATOR 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. 80-AA-191					UNCLASSIFIED	
Radio Recep. 80-109-A					UNCLASSIFIED	
Power Unit PE-43					UNCLASSIFIED	
COMBINED WEIGHT OF COMPONENTS				5.150#		
COMBINED VOLUME OF COMPONENTS				25 cu. ft.		
SHIP TONNAGE						

RADIO SET SCR-188, IN OPERATING POSITION.



INSTRUCTIONAL LITERATURE TM 11-233	STATUS: CHANGE IN STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-188-A																																																			
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MC) Trans. 1.5 - 12.5 Recv. 1.5 - 12.5 NUMBER OF CRYSTALS: FREQUENCY FREQUENCIES: ANTENNA: (inverted L (4 or 3 1/2 wave); AN-22-A, 25-A, 25, 27, & 28. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: Trans. & Recv. PC-75. Trans. Rectifier RA-36. Recv. Rectifier RA-20. SIMILAR SETS: SCR-177-B POWER OUTPUT: (WATTS) 75 @ 50% mod. tone & voice. TUBES: (Type and Number) 1-7MB 1-6CT 1-50 1-6CA 1-6RT 1-2T15PL 1-6FB 1-6056T 2-66AA 1-6CT	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: AG Pursuit: Sqn, Grp, Sqn. ATTACK : Sqn, Grp, Sqn, Sqn. Sig C : ART Co. RANGE: (MILES) CW 100; Tone 70; Voice 30. TO COMMUNICATE WITH: SCR-181; SCR-187; SCR-188; SCR-197; SCR-240-A; SCR-255-A; SCR-261-A; SCR-274-A; SCR-283; SCR-287; SCR-295-A. TO REPLACE IN PART: None TRANSPORTATION: VEHICLES OR PLANES (OPERATED ON A ROAD ONLY). TYPE OF SIGNAL: CW; Tone; Voice. (A.M.)																																																			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION) <table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th>WEIGHT</th> <th>CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>Trans. SC-191</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>Recv. SC-342</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>Power Unit PC-75</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>Rectifier RA-36</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td>135lb</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. SC-191					UNCLASSIFIED	Recv. SC-342					UNCLASSIFIED	Power Unit PC-75					UNCLASSIFIED	Rectifier RA-36					UNCLASSIFIED	COMBINED WEIGHT OF COMPONENTS:				135lb		COMBINED VOLUME OF COMPONENTS:						SHIP TONNAGE:					
ITEM	DIMENSIONS			WEIGHT		CLASSIFICATION																																																	
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SHIP TONNAGE:																																																							

INSTRUCTIONAL LITERATURE: TM 11-236	STATUS:	LIMITED STANDARD (18 MAR 43)	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION SCR-194																																				
			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-65 MAY BE ADDED FOR GREATER DISTANCE. TUNING (MO OR XTAL): MO SENSITIVITY: SELECTIVITY: POWER SOURCE: DRY BATTERIES 6A-32. SIMILAR SETS: SCR-195 EXCEPT FOR FREQUENCY. POWER OUTPUT: (WATTS) .75 W 60% MODULATION. TUBES: (TYPE AND NUMBER) 9C-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"> <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>RECPN. & TRANS. 9C-222 IN RM WITH BATTERIES, ANTENNA, HEADSET, AND MICROPHONE.</td> <td>1 Cubic Foot</td> <td></td> <td></td> <td>25.10#</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>AUXILIARY EQUIPMENT AND SPARE PARTS IN CHEST CH-55</td> <td>2 Cubic Feet</td> <td></td> <td></td> <td>64.14#</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td>90 #</td> <td></td> </tr> <tr> <td>COMBINED VOLUME:</td> <td></td> <td></td> <td></td> <td>1.1 Cu. Ft.</td> <td></td> </tr> <tr> <td>SHIP TONNAGE:</td> <td></td> <td></td> <td></td> <td>105 #</td> <td></td> </tr> </tbody> </table>	ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RECPN. & TRANS. 9C-222 IN RM WITH BATTERIES, ANTENNA, HEADSET, AND MICROPHONE.	1 Cubic Foot			25.10#	UNCLASSIFIED	AUXILIARY EQUIPMENT AND SPARE PARTS IN CHEST CH-55	2 Cubic Feet			64.14#	UNCLASSIFIED	COMBINED WEIGHT OF COMPONENTS:				90 #		COMBINED VOLUME:				1.1 Cu. Ft.		SHIP TONNAGE:			
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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-303. 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.

SCR-195		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		DISCUTE 22 Jan 46		INSTRUCTIONAL LITERATURE: TM 11-258			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MHz) 52.5 to 55.5 NUMBER OF CRYSTALS: 1 used for calibration, reference. PRESET FREQUENCIES: None. ANTENNA: 3 section - adjustable rod for ground use; 100 section whip pole on flexible mounting for vehicle. TUNING: (MO or XTAL) MO				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: use at the Infantry, Signal Corps, Parachute Battalions, Point to Point Communication. RANGE: (Miles) 5 TO COMMUNICATE WITH: SCR-195 only. TO REPLACE IN PART: None. TRANSPORTATION: See Page, on in vehicle. TYPE OF SIGNAL: Voice.				CHANGE IN STATUS					
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)													
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION							
		HEIGHT	WIDTH	DEPTH									
Radio Reconn. & Trans. SC-322 in Box with: Batteries, Antenna, and Handset.					26.05#	UNCLASSIFIED							
Auxiliary Equipment and Spare Parts in Chest (C-55).					51.10#	UNCLASSIFIED							
COMBINED WEIGHT OF COMPONENTS:					77.15								
COMBINED VOLUME:					1.10 cu. ft.								
SHIP TONNAGE:					100 #								

RADIO SET SCR-195, ASSEMBLED VIEW

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

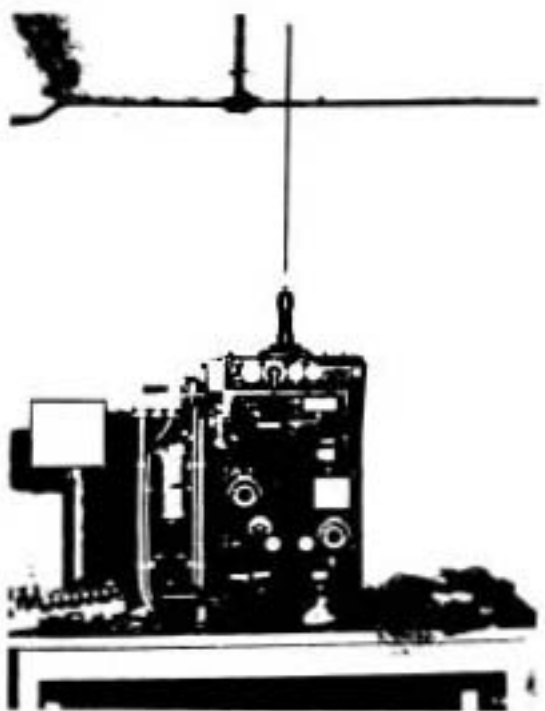
INSTRUCTIONAL LITERATURE: TM 11-805	STATUS:	LIMITED STANDARD 13 JUL 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-197																																						
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MO) TRANS. 1.5 - 18.0. RECV. 1.5 - 18.0. NUMBER OF CRYSTALS: TRANS. + 5; 1 IN EACH RECV. PRESET FREQUENCIES: 5 XTAL AND 5 MECHANICAL. ANTENNA: 30 FT. WITH COUNTERPOISE, SUSPENDED BETWEEN TRUSS AND SECTIONAL MAST OR T SECTION 10' POLE TYPE ANTENNA. TUNING: (MO OR XTAL) MO AND XTAL. SENSITIVITY: SELECTIVITY: POWER SOURCE: TRANS. COMMERCIAL 220/110 V 60 CYCLE GENERATOR GM-42-A. RECV. COMMERCIAL 110 V 60 CYCLE POWER UNIT PE-75. SIMILAR SETS: SCR-299; SCR-399; SCR-699. POWER OUTPUT: (WATTS) CW-400; TONE-125; VOICE- 125 100% MODULATION. TUBES: (TYPE AND NUMBER) SCR-197-A uses: 6 VT-62- A; 6 VT-66-A; 12 VT-65; 9 VT-66; 6 VT-76; 3 VT-80; 3 VT-83; 6 VT-86; 3 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-298; SCR-250; SCR-261; SCR-274-N; SCR-281. TO REPLACE IN PART: NONE TRANSPORTATION: VEHICULAR. (VEHICLES INCLUDED). TYPE OF SIGNAL: CW; TONE; VOICE.																																					
			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. SC-325</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Radio Reconv. SC-562 (5)</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Truck K-18</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Trailer K-19</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	Radio Trans. SC-325						Radio Reconv. SC-562 (5)						Truck K-18						Trailer K-19						<table border="1"> <tbody> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td>15,000# APPROX.</td> </tr> <tr> <td>COMBINED VOLUME:</td> <td>196.7 cu. ft.</td> </tr> <tr> <td>SHIP TONNAGE:</td> <td></td> </tr> </tbody> </table>		COMBINED WEIGHT OF COMPONENTS:	15,000# APPROX.	COMBINED VOLUME:
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SHIP TONNAGE:																																										

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

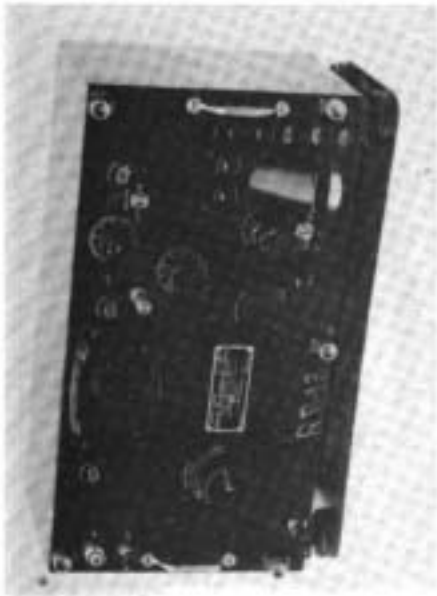
SCR-203		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	LIMITED STANDARD 6 Feb 43	INSTRUCTIONAL LITERATURE: TM 11-259
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MHz) Trans.: 2.2 - 3.05. RECV.: 2.1 - 3.1. NUMBER OF CRYSTALS: None PRESET FREQUENCIES: ANTENNA: 25' 8 SECTION FISHPOLE WHEN USED ON GROUND. FOR MOUNTED OPERATION FEWER SECTIONS ARE USED. TUNING: (MC OR KHz) NO 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 8C-227 OR 8C-227-A; 5 TYPE 56A; 1 8C-228 OR 8C-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; 157; 245. TO REPLACE IN PART: SCR-127; 163-A. TRANSPORTATION: HORSE PACK; VEHICLE. TYPE OF SIGNAL: CW; Tone; Voice.			CHANGE IN STATUS:		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)								
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	 SCR-203 SET SCR-203 IS A LOW POWER, SHORT RANGE, GROUND FREQUENCY ONE MILE PACK SET. OPERATION OF THIS SET FROM HORSE PACK IS NOT RECOMMENDED. TO BE PARTIALLY REPLACED BY RADIO SET SCR-205, AND ALSO IN REORGANIZED ELEMENTS OF CAVALRY BY RADIO SET SCR-205.		
	HEIGHT	WIDTH	DEPTH					
TRANSMITTER 8C-228-A OR 8C-228								
RECEIVER 8C-227-A OR 8C-227								
HAND GENERATOR GN-35								
COMBINED WEIGHT OF COMPONENTS:				160#				
COMBINED VOLUME:				10 Cu.Ft.				
SHIP TONNAGE:								

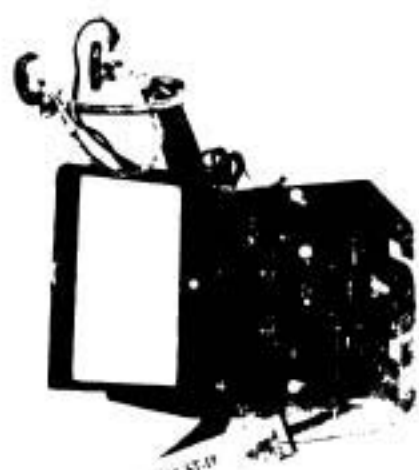
INSTRUCTIONAL LITERATURE: (SCR-206-D) T9-11-20-D (SCR-206-F) T9-11-20-F	STATUS: CHANGE IN STATUS:	LIMITED STANDARD 11 Jun 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-206																																																	
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 0.2 - 15.0 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-96 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:)																																																		
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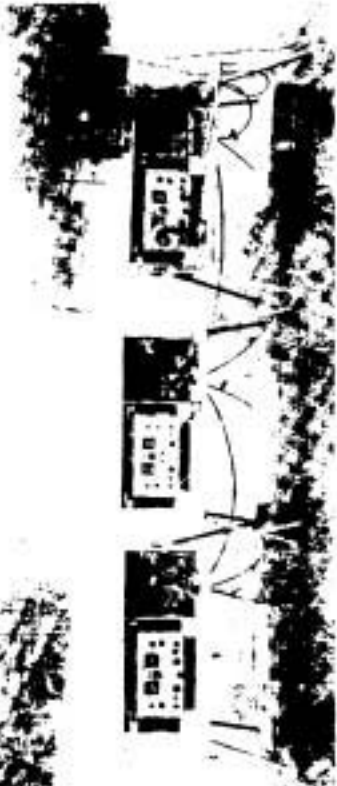
RADIO SET SCR-206 IN OPERATING POSITION

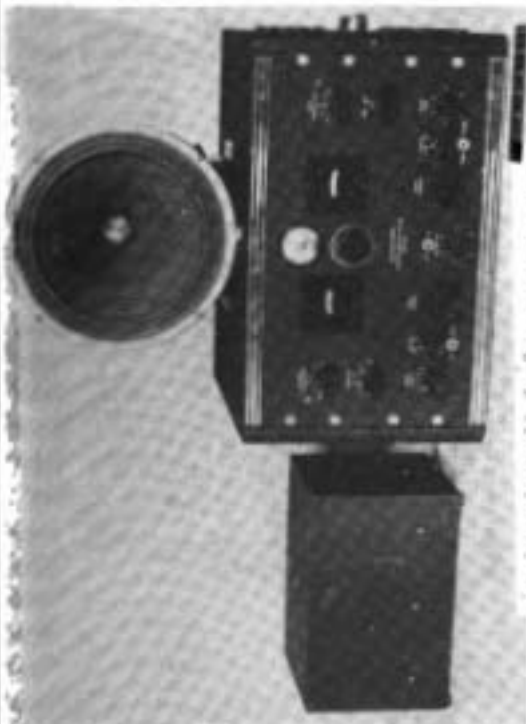
SCR-209		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		LIMITED STATEMENT 1) Dec 37		INSTRUCTIONAL LITERATURE: 1B Spec No. 426209		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MHz) Trans. 2.2 - 2.6, Recv. 1.5 - 18.0 (80-312); 2.0 - 3.0 (80-100) NUMBER OF CRYSTALS: None PRESET FREQUENCIES: ANTENNA: 15' 5 SECTION FISHPOLE OR MP-14 OR 37. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: Motor Generator and BATTERY UNIT PE-45, Recv. Generator Unit RD-69. SIMILAR SETS: POWER OUTPUT: (Watts) CW=0.5; Tone=7.5; Voice=7.5 LOS Max. Tone, LOS Voice. TUBES: (Type and Number) 2 VT-23 1 VT-36 1 VT-91 1 VT-49 1 VT-50				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: COMBAT AND SQUAD COMM. RANGE: (Miles) STATIONARY: CW=30; Tone=30; Voice=3. MOVING: CW=10; Tone=6; Voice=3. TO COMMUNICATE WITH: SCR-193; SCR-203; SCR-209; SCR-210; SCR-256. TO REPLACE IN PART: SCR-189; 199. TRANSPORTATION: VEHICLES. TYPE OF SIGNAL: CW; Tone; Voice; AM				CHANGE IN STATUS				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)												
ITEM		DIMENSIONS			WEIGHT							CLASSIFICATION
		HEIGHT	WIDTH	DEPTH								
Radio Trans. RD-174-A					160#							UNCLASSIFIED UNCLASSIFIED UNCLASSIFIED
Radio Trans. Recv. RD-109												
Radio Recv. RD-312-A-B-C-D.												
Motor Generator PE-45												
COMBINED WEIGHT OF COMPONENTS:					160#							
COMBINED VOLUME:					4 Cu.Ft.							
SHIP TONNAGE:												

RADIO SET SCR-209 IN OPERATING POSITION.
 VERY FEW OF THESE SETS BEING RECEIVED RD-109 AND NOW IN USE. SCR-209 IS BEING REPLACED BY SCR-265.

INSTRUCTIONAL LITERATURE TM 11-272	STATUS: CHANGE IN STATUS:	LIMITED STANDARD 24 Nov 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION SCR-210																																		
 RADIO RECEIVER BO-312, PRINCIPAL COMPONENT OF RADIO SET SCR-210. Radio Set SCR-210 uses Receiver only. Supply letter denotes vehicle in which the set is used. Radio Set SCR-210 replaced by SCR-250.			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: 1.5 - 18.0 (RECEIVER ONLY) NUMBER OF CRYSTALS: PRESET FREQUENCIES: NONE ANTENNA: 15' 5 SECTION FISHPOLE OR MP-1, OR 37. TUNING: (MC OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: DYNAMOTOR INTERNAL /12V OR 24V CAR BATTERY. SIMILAR SETS: POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) SCR-210-A uses 1 BO-312: 2 6C5 1 6F6 2 6AT 1 6L7 1 6X7GT 2 6W7GT	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: SIGNAL CORPS SCHOOL & ARMO F REPL TROOP CEN BY BN ARMO. IN ANY VEHICLE WHERE SEPARATE RECEIVER IS REQUIRED. RANGE: (MILES) TO COMMUNICATE WITH: TO REPLACE IN PART: SCR-190 TRANSPORTATION: VEHICLE TYPE OF SIGNAL: CW; Tones; Voice.																																		
			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 RECEIVER, BO-312 ORIGINAL MODEL USES RECEIVER, BO-189 (KNOWN AS SCR-210) </td><td></td><td></td><td></td><td></td><td>UNCLASSIFIED</td></tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td><td></td><td></td><td></td><td>71#</td><td></td></tr> <tr> <td>COMBINED VOLUME:</td><td></td><td></td><td></td><td>2 cu. ft.</td><td></td></tr> <tr> <td>SHIP TONNAGE:</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>						ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO RECEIVER, BO-312 ORIGINAL MODEL USES RECEIVER, BO-189 (KNOWN AS SCR-210)					UNCLASSIFIED	COMBINED WEIGHT OF COMPONENTS:				71#		COMBINED VOLUME:				2 cu. ft.		SHIP TONNAGE:		
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COMBINED VOLUME:				2 cu. ft.																																		
SHIP TONNAGE:																																						

SCR-211		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		STANDARD 3 Jun 56		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 HAND DRAWN SW. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: BA-23-(6); BA-2-(6) SIMILAR SETS: POWER OUTPUT: (WATTS) TUBES: (Type and Number) SCR-211-G - (1 BC-221-C) 1 TYPE 75 1 TYPE 77 1 TYPE 6A7				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: FOR CALIBRATION 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		15.15	10.15	9.44	17.56								
CRYSTAL UNIT DC-9													
CALIBRATION BOOK MC-177													
COMBINED WEIGHT OF COMPONENTS:					58 (COMPLETE WITH BATTERY)								
COMBINED VOLUME:													
SHIP TONNAGE:													

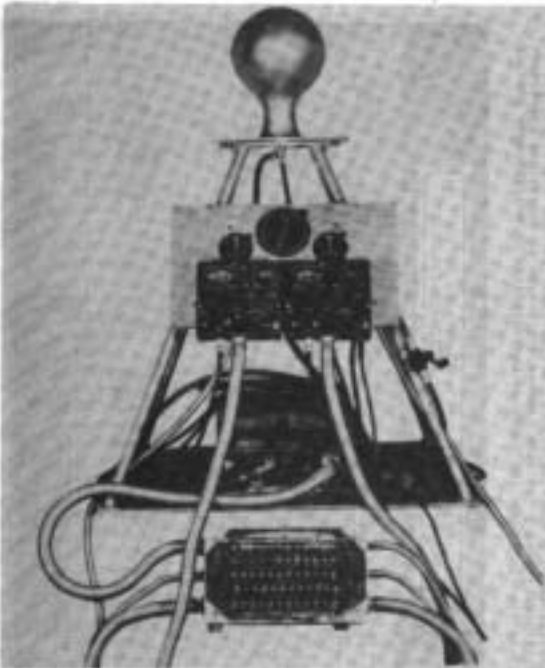
INSTRUCTIONAL LITERATURE:	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION				
	CHANGE IN STATUS:			SCR-237				
 PRINCIPAL COMPONENTS OF RADIO SET SCR-237-4) AS LOCATED MO. 3 (Nearer Location) Front View - Set Up for Field Operation			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mo) Trans.: .2 - 1.5; 2 - 18. Recv.: 1.5 - 18. NUMBER OF CRYSTALS: PRESET FREQUENCIES: 10 ANTENNA: INVERTED L TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 110V AC 60 CYCLES 400. POWER EXPT. GASOLINE ENGINE GEN. 110V 60 CYCLES AC. PE-75. SIMILAR SETS: POWER OUTPUT: (BATT) APPROX. 90 TUBES: (TYPE AND NUMBER) NO TUBE COMPLEMENT AVAILABLE.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: AIR CORPS; ON GROUND - AIR CORPS SQUADRON. GROUND-TO-AIR, POINT-TO-POINT COMMUNICATION. RANGE: (Miles) 750 using CW GROUND-TO-AIR. TO COMMUNICATE WITH: SCR-185; SCR-187; SCR-188; SCR-195; SCR-197; SCR-238; SCR-240; SCR-245; SCR-261; SCR-275; SCR-283; SCR-284; SCR-287; SCR-506; SCR-534. TO REPLACE IN PART: SCR-188-A TRANSPORTATION: TRUCK OR GROUND AIRCRAFT - OPERATION AS FIXED STATION. TYPE OF SIGNAL: CW; TONE; VOICE.			
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)					
			ITEM		DIMENSIONS		WEIGHT	CLASSIFICATION
					HEIGHT	WIDTH		
1 TRANSMITTER ANBT-5 (NAVY ATC)					RESTRICTED UNCLASSIFIED			
3 RECEIVERS DC-542								
		(MINIMUM CONSISTENT WITH BEST ENGINEERING PRACTICE)						
COMBINED WEIGHT OF COMPONENTS:								
COMBINED VOLUME:								
SHIP TONNAGE:								

INSTRUCTIONAL LITERATURE:	STATUS	STATUS 2 Nov 36	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION		SCR-244			
	CHANGE IN STATUS		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MHz) 0.5 - 30 NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: TUNING: (MD 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-67 1 VT-96 3 VT-66 2 VT-90 1 VT-116 3 VT-68 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				
 RADIO SET SCR-244 (MANUFACTURER'S MODEL) COMPONENTS. SCR-244 COMES IN RADIO AND CABINET MOUNTING. COMMERCIAL HAMMILLAND SUPPLY-PAD NEITHER.			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)						
			ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
			HEIGHT	WIDTH	DEPTH				
			Receiver	18.25"	23"	14.5"	70#		
			Power Unit	8.25"	13"	8.5"	39#		
COMBINED WEIGHT OF COMPONENTS					109#				
COMBINED VOLUME OF COMPONENTS									
SHIP TONNAGE:									

SCR-269		NOMENCLATURE DESIGNATION		NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		STANDARD 77 Jan 40		INSTRUCTIONAL LITERATURE: 70 08-10-110, 175			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)				CHANGE IN STATUS					
FREQUENCY RANGE: (KHz) 200 TO 1,750 KHz. COVERED IN 3 BANDS: 200 - 610, 610 - 850, 850 - 1,750. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ANTENNA: 5P LOOP & FIXED VERTICAL MAST WITH ONE OR TWO REMOTE CONTROL POSITIONS AND AUTOMATIC ROTATION. TUNING: (MO OR STAL) MO SENSITIVITY: SELECTIVITY POWER SOURCE: 24 VOLT BATTERY, 12 VOLT BATTERY. SIMILAR SETS: SCR-265 EXCEPT AUTOMATIC FEATURES. POWER OUTPUT: (Watts) RECEIVER ONLY. TUBES: (Type and Number) SCR-269-A SERIES: 2 VT-66 1 VT-95 1 VT-75 1 VT-96 1 VT-68 1 VT-105 1 VT-87 2 VT-109 2 VT-95				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-262, 263, 260 TRANSPORTATION: AIRCRAFT INSTALLATION TYPE OF SIGNAL: CW, MOR, VISIBLE.									
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)													
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION							
		HEIGHT	WIDTH	DEPTH									
Radio Compass Unit SC-435-A		7 1/8	12	19 13/16	44.07 LBS								
2 Radio Control Box SC-436-A		7 1/2	7 1/2	5 15/16	3.76								
Loop LP-21-A		25 5/8	16 31/32	9	10.37								
Indicator I-81-A		3 1/4	3 1/4	3 11/16	.75								
Indicator I-82-A		3 1/8	5 1/8	4 3/32	1.19								
Relay SR-22-A 24 E		11 5/8	7	3	6.40								
NOTE: Due to variations in aircraft installations, both weights and volume of complete sets vary considerably the figures shown are therefore approximate.													
COMBINED WEIGHT OF COMPONENTS:					73.30 LBS								
COMBINED VOLUME:					5321 CC (171 IN ³)								
SHIP TONNAGE:					0.00961								



RADIO COMPASS SCR-269

INSTRUCTIONAL LITERATURE: TO OS-10-43.	STATUS: CHANGE IN STATUS:	LIMITED STANDARD 10 Nov 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-273																																																															
 RADIO COMPASS SCR - 273 PRINCIPAL COMPONENTS			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Kc) 150 TO 1,500 COVERED IN 3 BANDS. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ANTENNA: 8" LOOP AND FIXED NONDIRECTIONAL MAST. ROTATABLE LOOP WITH TWO REMOTE CONTROL POSITIONS. TUNING: (MO OR XTAL) NO SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 TO 1 1/2 VOLTS DC SIMILAR SETS: SCR-265 EXCEPT SCR-273 WHEN 12 - 1 1/2 VOLT SUPPLY. POWER OUTPUT: (WATTS) RECEIVER ONLY. TUBES: [TYPE AND NUMBER] SCR-273-A USES 1 80-L13-A; 1 - 6F6 1 - 6V5 6 - 6K7 1 - 6X7 1 - 6L7 1 - 6SO7 1 - 6BB	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) 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-HULL DIRECTIONAL INDICATIONS OF THE ARRIVAL OF MODULATED R.F. WITH RESPECT TO THE PLANE OF THE LOOP ANTENNA. RANGE: (MILES) TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: AIRCRAFT INSTALLATION. TYPE OF SIGNAL: CW, MCW, VOICE.																																																															
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																																																
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th><th colspan="3">DIMENSIONS</th><th rowspan="2">WEIGHT</th><th rowspan="2">CLASSIFICATION</th></tr> <tr> <th>HEIGHT</th><th>WIDTH</th><th>DEPTH</th></tr> </thead> <tbody> <tr> <td>Radio Compass Unit 80-L13-A</td><td>7 7/8</td><td>12</td><td>19 13/16</td><td>42.00</td><td rowspan="5"></td></tr> <tr> <td>2 Radio Control Box 80-L14-A</td><td>7 1/2</td><td>7 1/2</td><td>3 15/16</td><td>4 ea.</td></tr> <tr> <td>Loop LP-19-A</td><td>25 3/8</td><td>15 1/2</td><td>9</td><td>7.96</td></tr> <tr> <td>2 Compass Indicator I-63-C</td><td>3 1/4</td><td>3 1/4</td><td>3 29/32</td><td>1.75</td></tr> <tr> <td>Indicator I-75A</td><td>5 1/8</td><td>5 1/8</td><td>2 11/16</td><td>1.85</td></tr> <tr> <td>Relay RK-25-A</td><td>11</td><td>7</td><td>3</td><td>5.94</td><td></td></tr> <tr> <td colspan="6"> NOTES: 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>72.14</td><td></td></tr> <tr> <td colspan="4">COMBINED VOLUME:</td><td>12" 7 7/8" 19 13/16"</td><td>5760.25 cu. in.</td></tr> <tr> <td colspan="4">SHIP TONNAGE:</td><td>0.005 T</td><td></td></tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	Radio Compass Unit 80-L13-A	7 7/8	12	19 13/16	42.00		2 Radio Control Box 80-L14-A	7 1/2	7 1/2	3 15/16	4 ea.	Loop LP-19-A	25 3/8	15 1/2	9	7.96	2 Compass Indicator I-63-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 RK-25-A	11	7	3	5.94		NOTES: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.						COMBINED WEIGHT OF COMPONENTS:				72.14		COMBINED VOLUME:				12" 7 7/8" 19 13/16"	5760.25 cu. in.	SHIP TONNAGE:		
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SHIP TONNAGE:				0.005 T																																																															

THIS SHEET IS CLASSIFIED RESTRICTED

SCR-274-N		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS:	STANDARD 20 SEP 40	INSTRUCTIONAL LITERATURE: (HMI) TO DB-10-50
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MC) Trans: 4.0-9.3; 5.3-7.0; 7.0-9.1. Recv: .15-.55; 3.0-6.0; 6.0-9.1. NUMBER OF CRYSTALS: 1 CALIBRATING CRYSTAL PER TRANS. FOR 3.0-9.1 Mc. PRESET FREQUENCIES: 1 ON EACH TRANS. ANTENNAS: LONG WIRE & APT "INVERTED L" OR "Y" TUNING: (MO OR XTAL) MO OR H.F. SENSITIVITY: SELECTIVITY: POWER SOURCE: 22 TO 30 V. POWER SOURCE -DC POWER FROM AIRPLANE. SIMILAR SETS: SUPERNEER SCR-251, 255, 185. POWER OUTPUT: (Watts) 40 CW; 20 VOICE; TUBES: (TYPE AND NUMBER) 1 6C-456-A MODULATOR UNIT: 1 VT-155; 1 VT-156; 1 VT-159. 3 SETS FOR RECV: 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-TO PLANE, PLANE-TO CONTROL TOWER. RANGE: (Miles) 150 CW; 75 VOICE (APPROX.) TO COMMUNICATE WITH: PLANE & CONTROL TOWER. TO REPLACE IN PART: SCR-185, 285. TRANSPORTATION: AIRBORNE INSTALLATION. TYPE OF SIGNAL: VOICE, CW, MOR AMPLITUDE MODULATED.		CHANGE IN STATUS:		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)							
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION		
	HEIGHT	WIDTH	DEPTH				
RECV. 6C-455-A; 6C-456-A; 6C-455-A; 6C-456-A CA-	7 11/32"	4 27/32"	10 23/32"	9.0#	RESTRICTED		
(3 RECV) CONTROL BOX 6C-450-A	4 1/8"	3 1/8"	5 15/16"	2.7#	RESTRICTED		
(1 RECV) CONTROL BOX 6C-471-A	4 1/8"	3 1/4"	6 11/16"	1.0#	RESTRICTED		
(2 RECV) CONTROL BOX 6C-491-A	6 1/8"	6 3/8"	11 13/16"	1.7#	RESTRICTED		
TRANS. 6C-457-A; 6C-458-A; 6C-459-A; 6C-456-A, E.A.	5 15/16"	5 1/2"	11 13/16"	5.8#	RESTRICTED		
CONTROL BOX 6C-471-A	5 7/32"	6 1/8"	4 3/8"	1.0#	RESTRICTED		
MODULATOR-UNIT 6C-456-A	7 11/16"	8 5/8"	10 1/8"	9.0#	RESTRICTED		
ANTENNA RELAY UNIT 6C-412-A	6 5/16"	5 5/8"	5"	2.0#	RESTRICTED		
COMBINED WEIGHT OF ABOVE APPROX. 176#							
WEIGHT FOR INSTALLATION OF 3 RECVS. AND 2 TRANS. COMPLETE.							
NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.				COMPLETE			
COMBINED WEIGHT OF COMPONENTS:							
COMBINED VOLUME OF COMPONENTS:				4 1/3 CU. FT. APPROX.			
SHIP TONNAGE:				AVERAGE INSTALLATION			

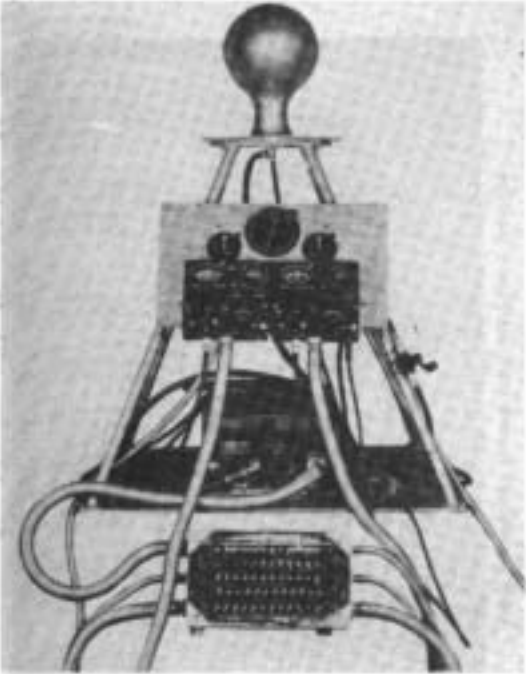
VARIOUS COMBINATIONS OF INSTALLATIONS OF RADIO SET SCR-274-N ARE POSSIBLE WITH
 APPROPRIATE VARIATIONS IN WEIGHT AND VOLUME. SEE AS, 1 EACH TRANSMITTER AND RE-
 CEIVER OR AS THE AVERAGE INSTALLATION, 3 RECEIVERS AND 2 TRANSMITTERS. RADIO
 SET SCR-274-N IS BEING REPLACED IN FUTURE AIRCRAFT BY THE COMMAND SET, SCR-522



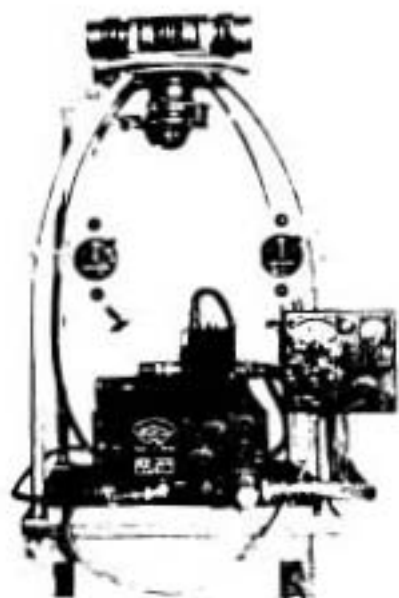
RADIO SET SCR-274-N SHOWING INSTALLATION
 IN AIRCRAFT FORWARD OF REAR GUNNER'S POSITION.

INSTRUCTIONAL LITERATURE TO 08-10-45	STATUS CHANGE IN STATUS	LIMITED STANDARD TO 404 42	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION SCR-276																																																												
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (Mc) 195 to 420 NUMBER OF CRYSTALS: None PRESET FREQUENCIES: ANTENNA: 5' Loop and NONDIRECTIONAL FIXED ANTENNA. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 24 to 28 VOLTS DC AND DM-33-A. SIMILAR SETS: SCR-254-A EXCEPT SCR-276 24 - 28 VOLT SUPPLY. POWER OUTPUT: (Watts) TUBES: (Type and Number) SCR-276-A uses 1 9C-353-A; 2 - 6C7 1 - 6A7 1 - 6L7 2 - 6J7 2 - 6BD 2 - 6V6	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: NAVIGATIONAL INSTRUMENT. PROVIDES SIGNAL, 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, MOR																																																												
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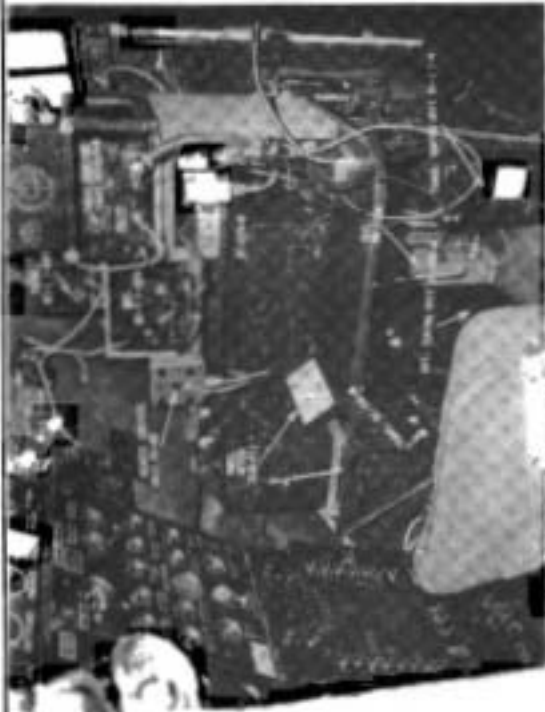
 RADIO COMPASS SCR-276 SHOWING MAJOR COMPONENTS
 REMOTE STARTING AND STOPPING CONTROL

INSTRUCTIONAL LITERATURE: TO DB-10-95	STATUS:	LIMITED STANDARD 10 Nov 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION																																																													
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)																																																												
			FREQUENCY RANGE: (Kc) 200 to 1,750 covered in 5 bands. NUMBER OF CRYSTALS: None PRESET FREQUENCIES: ANTENNA: 0° Loop and fixed NONDIRECTIONAL (MANUALLY OPERATED) TUNING: (MC OR XTAL) MC SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 volts DC SIMILAR SETS: SCR-265 WHICH OPERATES FROM 24 - 28 VOLT POWER SOURCE SCR-275-A EXCEPT FREQUENCY. POWER OUTPUT: (Watts) RECEPTION ONLY. TUBES: (TYPE AND NUMBER) SCR-280-A USES: <table border="0"> <tr> <td>1 - 6T6</td> <td>1 - 6J5</td> </tr> <tr> <td>1 - 6K7</td> <td>1 - 6A7</td> </tr> <tr> <td>1 - 6LT</td> <td>1 - 6SC7</td> </tr> <tr> <td>1 - 6BD</td> <td>-</td> </tr> </table>		1 - 6T6	1 - 6J5	1 - 6K7	1 - 6A7	1 - 6LT	1 - 6SC7	1 - 6BD	-	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 BELL 0°-90° REGIONAL INDICATIONS OF THE ARRIVAL OF MODULATED RADIO FREQUENCY ENERGY WITH REFERENCE 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.																																																				
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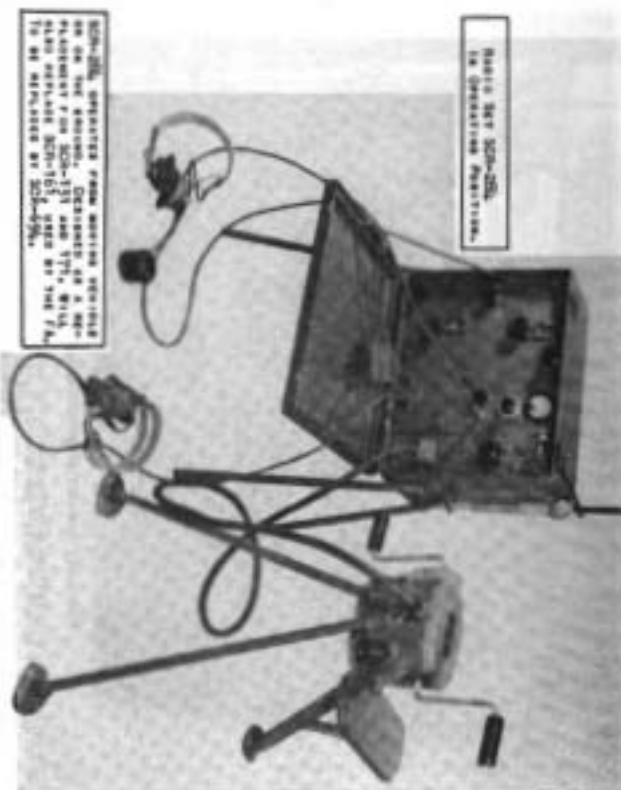
RADIO COMPASS SCR - 280
PRINCIPAL COMPONENTS

SCR-282		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		LIMITED STANDARD TO NEW 42		INSTRUCTIONAL LITERATURE: TO DD-10-27					
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)				CHANGE IN STATUS							
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-282 which uses 52 volt power source. POWER OUTPUT: (Watts) TUBES: (Type and Number) 1 VT-24 4 VT-26 1 VT-27 1 VT-33 1 VT-36 2 VT-36				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-106 TRANSPORTATION: Aircraft installation. TYPE OF SIGNAL: CR & MOR											
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)															
ITEM		DIMENSIONS			WEIGHT		CLASSIFICATION								
		HEIGHT	WIDTH	DEPTH											
Radio Compass Unit SC-310		7	12	20 1/2	45.5										
Radio Control Box SC-311		7 1/2	7 1/2	5 15/16	4.5										
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:					55# approx.										
COMBINED VOLUME:															
SHIP TONNAGE:															

RADIO COMPASS SCR-282 IN OPERATING POSITION - SHOWING COMPONENTS

INSTRUCTIONAL LITERATURE TM 11-200	STATUS:	LIMITED STATEMENTS (1) No 4)	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-283																																																																												
CHANGE IN STATUS:			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (Re) RECEIVING- 301-500 Kc., 6750-7700 Kc. TRANSMITTING- 2500-7700 Kc. NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: RECOILS 5 FT. VERTICAL MAST. TRANS: "T" OR "L" TYPE 10 TO 10 FT. LONG. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 25 VOLT PLANE BATTERY SIMILAR SETS: SCR-103 EXCEPT 25 V. POWER OUTPUT: (Batteries) Voice 3.5; MW 3.2; CW 4.0. TUNE: (Type and Number) SCR-AL-203 USED: L TYPE 456-533 C TYPE 100-533 R TYPE 456-533 S TYPE 456-533		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: COMMAND SET - PLANE-TO-PLANE; PLANE-TO-GROUND COMMUNICATIONS. RANGE: (MILES) 30-45 MILES PLANE-TO-PLANE; 10-20 MILES PLANE-TO-GROUND. TO COMMUNICATE WITH: OTHER EQUIPMENT WITHIN RANGE COVERING SAME FREQUENCIES. TO REPLACE IN PART: TRANSPORTATION: AIRBORNE TYPE OF SIGNAL: Tone, Voice																																																																											
 RADIO SET SCR-283 SHOWING RADIO OPERATOR'S POSITION CALIBRATING CARRIER SC-10 AND 40 AMPS WITH TRANSMITTER SC-100. RADIO SET SCR-283 IS BEING REPLACED BY RADIO SET SCR-270-40 AND/OR SCR-282.			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)																																																																													
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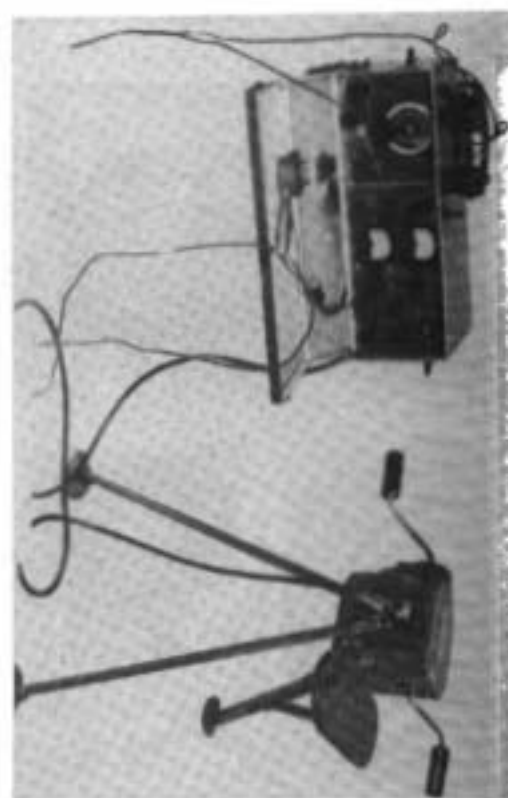
SCR-284		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		LIMITED STANDARD 20 Jan 44		INSTRUCTIONAL LITERATURE: TM 11-275-4	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MC) 3.0 to 5.0 NUMBER OF CRYSTALS: 1 in calibration. PRESET FREQUENCIES: None ANTENNA: 25' FIVE SECTION FISHPOLE TYPE FOR TRUNK USE. 25' EIGHT SECTION FISHPOLE WHEN STATIONARY OR FOR FIELD USE. L TYPE WIRE TUNING: (MC OR XTAL) MC WITH XTAL CALIBRATION. SENSITIVITY: SELECTIVITY: POWER SOURCE: HAND GENERATOR GN-LS-A OR POWER UNIT PE-105 (12 VOLT) RECHG. BY DRY BATTERIES OR POWER CONVERTER UNIT PE-106 (6 OR 12 V.) SIMILAR SETS: SCR-205 POWER OUTPUT: (Watts) HIGH POWER: GN-20; Voice-5 LOW POWER: GN-5; Voice-2. TUBES: (Type and Number) 1 8C-65A-A TRANS. & RECT. RECT. & 3C5GT; 1 1-6 5 6T; 1 1-6 5 6T; 1 1-6 5 6T; 1 1-6 5 6T. TRANS. & 3C 5 6T; & 3C 5 6T.				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) GN-20; Voice-7. TO COMMUNICATE WITH: SCR-151; SCR-161; SCR-185; SCR-275-A; SCR-284; SCR-288; SCR-536. TO REPLACE IN PART: SCR-131; SCR-161; SCR-171; SCR-205. 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								
RECHG. & TRANS. 8C-65A	1 1/4"	10"	9 3/4"	14#	UNCLASSIFIED						
GENERATOR GN-LS	9"	6 1/4"	6 3/4"	22#	UNCLASSIFIED						
POWER UNIT PE-105	12 3/4"	16 1/8"	5 1/2"	55#	UNCLASSIFIED						
REMOTE CONTROL UNIT RM-29	6 1/4"	10 1/8"	8 1/2"	15#	UNCLASSIFIED						
COMBINED WEIGHT OF COMPONENTS:				206#							
COMBINED VOLUME:											
SHIP TONNAGE:											

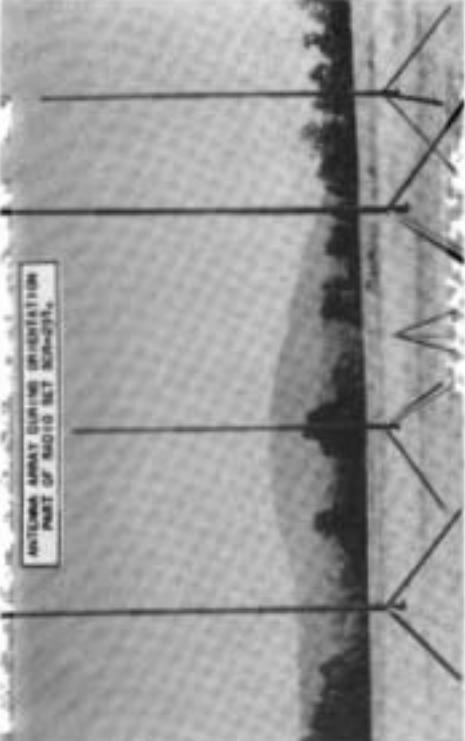
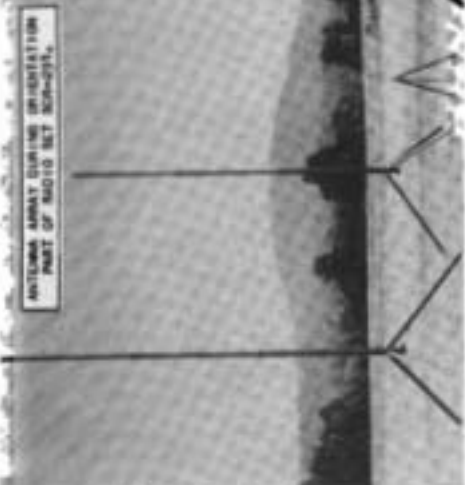


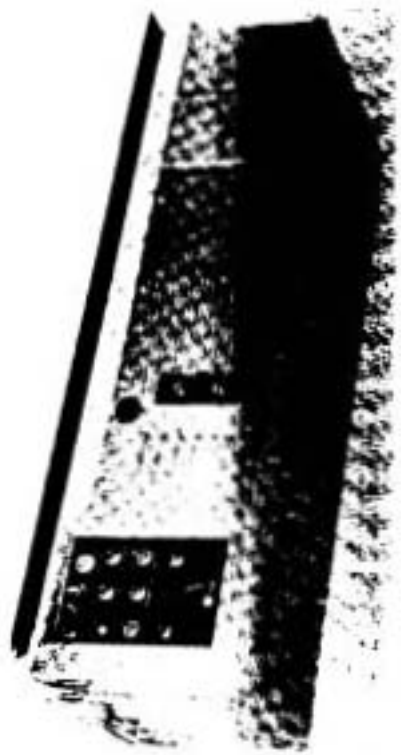
INSTRUCTIONAL LITERATURE: SC-345-C - TO SC-10-47 SC-375-C - TO SC-10-60	STATUS: CHANGE IN STATUS:	SC-287-A STANDARD 31 Oct 39	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION SCR-287		
 RADIO RECEIVER SC-345-B  DYNAMOTOR UNIT PC-73-B RADIO SET SC-287-A, PRINCIPAL COMPONENTS (RECEIVER SC-345-C CONTAINS CRYSTAL FILTER.)			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: 1.5 - 15 Mc/sec. Wv. Trans. - 1.5 - 12.5 Mc/sec. 240-280 Mc.; 650-1500 Mc. NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: TRAILLINE WIRE ANTENNA. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 24 volts, DC AND AC-75 SIMILAR SETS: SCR-107 EXCEPT 12 V. POWER OUTPUT: (Watts) 60 @ 12 Wv./s, 30 @ 1.5 Wv./s. TUNES: (Type and Number) SCR-287-A APPR: TRANS: 1 VT-1-C REGR: 1 VT-10 1 VT-25 1 VT-65 1 VT-70 1 VT-80 1 VT-90 1 VT-95		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-108; SCR-193; SCR-197 AND SCR-259. TO REPLACE IN PART: TRANSPORTATION: INSTALLED IN AIRCRAFT. TYPE OF SIGNAL: CW; MOR; VOICE.	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)						
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH		
RADIO RECEIVER SC-345-C		18	10 1/2	9 1/2	55.8	
RADIO TRANSMITTER SC-375-C		21 21/32	23 1/8	9 5/16	55	
ANTENNA TUNING UNIT SC-506-A		17 3/4	9 1/2	9 1/8	9.75	
DYNAMOTOR UNIT PC-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-B		7 5/8	16 3/4	8 3/4	13	
NOTES: 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:					208 APPROX.	
COMBINED VOLUME:					6 CU. FT. APPROX.	
SHIP TONNAGE:						

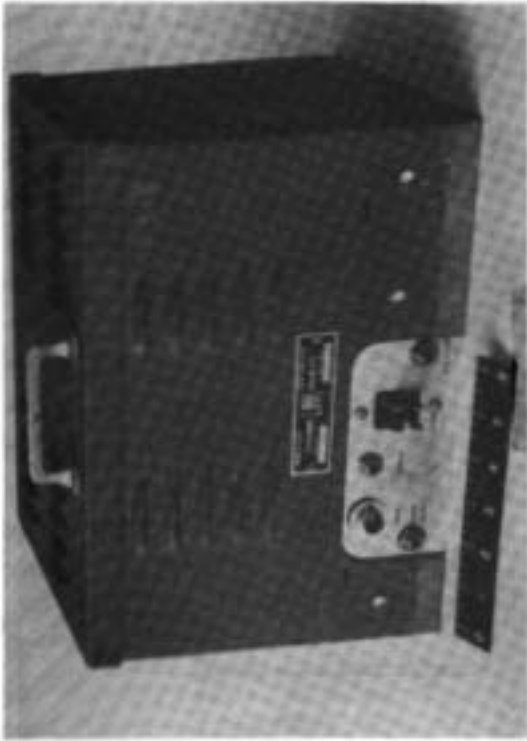
SCR-288		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		INSTRUCTIONAL LITERATURE: TW 11-254			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: Trans.: 5.5 - 6.5 (M) Recv.: 2.5 - 6.5 (M) NUMBER OF CRYSTALS: PRESET FREQUENCIES: ANTENNA: 35' STRAIGHT INSULATED WIRE WITH COUNTERPOISE. TUNING: (MC OR XTAL) MC SENSITIVITY: SELECTIVITY: POWER SOURCE: Trans.: GENERATOR SW-44. Recv.: GENERATOR SW-44 OR DRY BATTERIES. SIMILAR SETS: SCR-254. POWER OUTPUT: (WATTS) 1 75% MODULATION OR VOICE AND CW. TUBES: (TYPE AND NUMBER) SCR-250 USER: 5 VT-107 1 VT-154 1 VT-157 1 VT-158 1 VT-159				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: (Inf) B, REPT, BN. FA; Div, ARTY, REPT, BN. SIX C; Co. RANGE: (MILES) STATIONARY: 30 using CW; 15 using VOICE. TO COMMUNICATE WITH: SCR-151; SCR-161; SCR-195; SCR-250; SCR-254. TO REPLACE IN PART: SCR-151; 161; 171. TRANSPORTATION: 2 MAN LOAD. TYPE OF SIGNAL: CW; VOICE.				CHANGE IN STATUS			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)											
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION						
	HEIGHT	WIDTH	DEPTH								
RADIO TRANS. & REPT. SW-44	18"	3 1/2"	7 1/2"	54							
COMBINED WEIGHT OF COMPONENTS:				54							
COMBINED VOLUME:											
SHIP TONNAGE:											

INCLUDING ANTENNA
AND
COUNTERPOISE



INSTRUCTIONAL LITERATURE	STATUS	STANDARD	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION																																																																												
	CHANGE IN STATUS	20 Nov 42		SCR-291																																																																												
 ANTENNA ARRAY DURING OPERATION PART OF RADIO SET SCR-291.			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																																																												
			FREQUENCY RANGE: (MC) 2 - 10 NUMBER OF CRYSTALS: Does not apply PRESET FREQUENCIES: Does not apply ANTENNA: Modified U Antenna TUNING: (MC OR KTL) Does not apply SENSITIVITY: 10 MICROVOLTS/METER FOR 1000 SIGNAL/NOISE RATIO. SELECTIVITY: POWER SOURCE: 110V, AC PORTABLE GENERATOR (KOHLER TM-27A) SIMILAR SETS: SCR-502 POWER OUTPUT: (WATTS) Does not apply TUBES: (TYPE AND NUMBER) SEE NOTE *	USE: To direct flight of friendly planes and detect direction of enemy transmitters, particularly aircraft. RANGE: Long TO COMMUNICATE WITH: Does not apply. TO REPLACE IN PART: SCR-551 in part. TRANSPORTATION: Air TYPE OF SIGNAL: Does not apply.																																																																												
 THIS DIRECTION FINDER EMPLOYS AN ELECTRICALLY INDUCED GONIOMETER AND GIVES INSTANTANEOUS INDICATION OF BEARING, PERMITTING EVALUATION OF BEARING. PURCHASED EXCLUSIVELY FOR AAF AND LEND-LEASE.			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																																																													
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>1 GUEST CH-161 CONTAINING: - GONIOMETER MC-412 - CONTROL PANEL PM-31 - TELEPHONE PANEL PM-32 - RACK FM-51</td> <td>37"</td> <td>20"</td> <td>29"</td> <td>600#</td> <td></td> </tr> <tr> <td>1 GUEST CH-162 CONTAINING: - GONIOMETER MC-412 - BEARING INDICATOR GC-1159</td> <td>26"</td> <td>16"</td> <td>45"</td> <td>210#</td> <td></td> </tr> <tr> <td>3 GRATES CONTAINING: (EACH) - SHELTER HO-30 (D/P)</td> <td>17"</td> <td>40"</td> <td>73"</td> <td>595#</td> <td></td> </tr> <tr> <td>1 GRATE CONTAINING: - SHELTER HO-19 (POWER UNIT)</td> <td>14"</td> <td>43"</td> <td>43"</td> <td>560#</td> <td></td> </tr> <tr> <td>3 GRATES CONTAINING: (EACH) - ANTENNA EQUIPMENT RC-225</td> <td>21"</td> <td>22"</td> <td>112"</td> <td>990#</td> <td></td> </tr> <tr> <td>2 POWER UNITS, KOHLER TM-27A (EACH)</td> <td>35"</td> <td>15"</td> <td>37"</td> <td>437#</td> <td></td> </tr> <tr> <td colspan="5">1 SIGNALING HEATER, LYONS HO-205000</td> <td></td> </tr> <tr> <td colspan="5">OTHER ASSOCIATED EQUIPMENT INCLUDING R.F., HARLER, REELS, TEST EQUIPMENT.</td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS</td> <td>6900#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS</td> <td>350 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	1 GUEST CH-161 CONTAINING: - GONIOMETER MC-412 - CONTROL PANEL PM-31 - TELEPHONE PANEL PM-32 - RACK FM-51	37"	20"	29"	600#		1 GUEST CH-162 CONTAINING: - GONIOMETER MC-412 - BEARING INDICATOR GC-1159	26"	16"	45"	210#		3 GRATES CONTAINING: (EACH) - SHELTER HO-30 (D/P)	17"	40"	73"	595#		1 GRATE CONTAINING: - SHELTER HO-19 (POWER UNIT)	14"	43"	43"	560#		3 GRATES CONTAINING: (EACH) - ANTENNA EQUIPMENT RC-225	21"	22"	112"	990#		2 POWER UNITS, KOHLER TM-27A (EACH)	35"	15"	37"	437#		1 SIGNALING HEATER, LYONS HO-205000						OTHER ASSOCIATED EQUIPMENT INCLUDING R.F., HARLER, REELS, TEST EQUIPMENT.						COMBINED WEIGHT OF COMPONENTS				6900#		COMBINED VOLUME OF COMPONENTS				350 Cu Ft.		SHIP TONNAGE							
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SCR-293		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS	LIMITED STANDARD 2) Apr 43	INSTRUCTIONAL LITERATURE: 18 - Stock # 408295		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (mc) 20.0 - 27.9 NUMBER OF CRYSTALS: 5 in Reconn. 5 in Trans. PRESET FREQUENCIES: 5 ANTENNA: 9' FISHPOLE AN-40-A TYPE TO BE MOUNTED ON TOWER (WITH 2' EXTENSION FOR LOWER FREQ.). TUNING: (MC OR KHz) KHz SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 OR 24 V - VEHICULAR BATTERY. SIMILAR SETS: SCR-500 POWER OUTPUT: (Watts) HIGH POWER-25 Watts. LOW POWER-1/2 Watt TUNES: (Type and Number) SCR-295-A uses: 1 6AC7 1 12X6 3 12AA 1 12H6 2 12SJ7 2 12SA7 1 16Z5 2 12SL7OT				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: AF: IN TANK UNITS UP TO 800. RANGE: (Miles) 5 moving 7 stationary. TO COMMUNICATE WITH: SCR-293; SCR-295; SCR-500; SCR-509; SCR-510; SCR-520; SCR-550. TO REPLACE IN PART: SCR-193; SCR-245. TRANSPORTATION: Tank TYPE OF SIGNAL: Voice (FM)				CHANGE IN STATUS	 Radio Receiver and Transmitter SCR-293 Part of Radio Set SCR-293 BRIEF NAME: SCR-293 FM TRANSMITTER AND RECEIVER REPLACES BY SCR-500, USES THREAT MICROPHONE	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)										
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION				
		HEIGHT	WIDTH	DEPTH						
Link Trans., Reconn. type, 25 WFF, and separate Reconn. type, 11 TR. Radio Reconn. & Trans. SC-500 Reconn. SC-499.		12"x12"x 5L"	To be placed in left of light tank (2.6 cu.ft.)		115#	UNCLASSIFIED				
COMBINED WEIGHT OF COMPONENTS:										
COMBINED VOLUME:										
SHIP TONNAGE:										

INSTRUCTIONAL LITERATURE	STATUS:	LIMITED STATUS (3 Apr 43)	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-294																																		
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (Mc) 20.0 - 27.9 (Receiver only) NUMBER OF CRYSTALS: 5 (Receiver) PRESET FREQUENCIES: 5 ANTENNA: 9' Fibropole (AM-42-A) TUNING: (MO OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 or 24 V car battery. SIMILAR SETS: SCR-538 POWER OUTPUT: (Watts) TUBES: (Type and Number) SCR-294-A uses: 2 12X6 2 6AC7 2 12SL7 2 12AG 1 12SL7ST 2 12HE		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: AF: IN TANKS AND VEHICLES. RANGE: (Miles) TO COMMUNICATE WITH: SCR-293; SCR-300; SCR-309; SCR-310; SCR-320; TO REPLACE IN PART: SCR-210 TRANSPORTATION: Tanks and vehicles. TYPE OF SIGNAL: FM receiver.																																	
 RADIO SET SCR-294 RADIO RECEIVER SC-499, FRONT VIEW VEHICULAR FM RECEIVER, REPLACED BY SCR-538			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 RECEIVER SC-499</td> <td>14"</td> <td>14 1/2"</td> <td>34"</td> <td>54#</td> <td>UNCLASSIFIED</td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>54#</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 RECEIVER SC-499	14"	14 1/2"	34"	54#	UNCLASSIFIED	COMBINED WEIGHT OF COMPONENTS:				54#		COMBINED VOLUME:				0.5 cu.ft.		SHIP TONNAGE:					
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SHIP TONNAGE:																																						

SCR-298		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		STANDARD 21 Nov 43		INSTRUCTIONAL LITERATURE: 1B - 31004 # 60 8295	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)				CHANGE IN STATUS:			
FREQUENCY RANGE: (MHz) 50 - 150 NUMBER OF CRYSTALS: 1 PRESET FREQUENCIES: 1 (no selection) ANTENNA: whip TUNING: (NO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: 6 V PENICULAR BATTERY. SIMILAR SETS: SCR-295 POWER OUTPUT: (Watts) 25 TUBES: (Type and Number) EARLY MODEL USERS: 1 EARLY LINE 15-UF MODEL 8000, - 2 605; 1 6080; 2 8AC7/1852; 2 6XJ7; 2 6X6; 1 6X6; 1 6X6GT; 1 EARLY LINE 25 UFM MODEL TRANS. - 4 7C7; 2 7AB; 1 705; 1 807. NOTE: INFORMATION AVAILABLE LATER SCR-298 LATE MODEL USERS: 1 35UFM (ED 2 or 3); 1 11UF (ED 3).				USE: USED BY JAPANESE PERSONNEL. RANGE: (MILES) Stationary-10; Moving-7. TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610; SCR-628; SCR-608; SCR-638. TO REPLACE IN PART: TRANSPORTATION: VEHICLE TYPE OF SIGNAL: VOICE (FM)				TYPICAL UHF MOBILE INSTALLATION NOTE: ALL CONTROL CABLES ARE SHIELDED AND SPEAKERS ARE GROUNDED AT TRANSMITTER AND RECEIVER. SPEAKERS SHOULD NOT BE MOUNTED TO BODY OF CAR AT ANY OTHER PLACE.			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)											
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION					
		HEIGHT	WIDTH	DEPTH							
Trans. 25-UFM		9"	17"	8 1/4"	29 #						
Receiv. 11-UF		9"	15"	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:											

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

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

SCR-300		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS		STANDARD 77 Oct 42		INSTRUCTIONAL LITERATURE:	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)		CHANGE IN STATUS:						TM 11-242	
FREQUENCY RANGE: (MC) 40.0 - 48.0 NUMBER OF CRYSTALS: 2 PRESENT FREQUENCIES: None ANTENNA: Whip Pole Type. TUNING: (MC OR KAL) MC SENSITIVITY: SELECTIVITY: POWER SOURCE: LIGHT OR HEAVY DUFF (FOR LONGER OPERATIONAL HOURS) PLUG-IN TYPE DRY CELL BATTERY CONTAINING THE VOLTAGES FOR ALL TUBE ELEMENTS IN ONE UNIT. SIMILAR SETS: SCR-154 and SCR-195 POWER OUTPUT: (Watts) Approximately 1 TUBES: (Type and Number) VHF Portable, 1 80-1000 users: 1 = 1-600, 2 = 1-600, 3 = 1-600, 4 = 1-600 5 = 1-600, 6 = 1-600, 7 = 1-600, 8 = 1-600		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-154 and SCR-195. TRANSPORTATION: Mox-Pack. TYPE OF SIGNAL: FM - Voice.									
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)											
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION					
		HEIGHT	WIDTH	DEPTH							
RECEIVER AND TRANSMITTER 80-1000		15"	10"	6"	17#						
BATTERY 8A-70					15#						
BATTERY 8A-80					10#						
ANTENNA 8A-150											
ANTENNA 8A-155											
COMBINED WEIGHT OF COMPONENTS											
COMBINED VOLUME OF COMPONENTS					1200						
SHIP TONNAGE:					CG.FT.						

MAIO SET SCR-300, GROUND RADIO, SHOWN COMPLETE.



THIS SET IS CLASSIFIED: UNCLASSIFIED

DATE: 11-242

BY: 11-242

REASON: 11-242

11-242

INSTRUCTIONAL LITERATURE: TM 11-221	STATUS: CHANGE IN STATUS:	(DATE) 2 Jan 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		NOMENCLATURE DESIGNATION SCR-399			
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MHz) Trans. 2.0 - 15.0 Receiv. 1.5 - 15.0 NUMBER OF CRYSTALS: 34 FREQUENCY FREQUENCIES: 3 ANTENNA: Whip on long wire TUNING: (MC OR XTAL) BOTH SENSITIVITY: SELECTIVITY: POWER SOURCE: A.C. 110 volts, 60 cycles, 600W Batteries: POWER UNIT PE-95 SIMILAR SETS: SCR-299-A, B, C, D POWER OUTPUT: (WATTS) 500 CW, 300 Voice (2-8 MHz) 500 CW, 250 Voice (8-12 MHz); 275 CW, 200 Voice (12-15 MHz). TUBES: (TYPE AND NUMBER) 1 6X4, 2 6X5, 1 6X6, 1 6X7, 1 6L7, 1 6RT, 1 6S, 2 6U6, 1 6V6, 1 6W6, 1 6X4, 1 6X5, 1 6X6, 1 6X7, 1 6X8, 1 6X9, 1 6Y6, 1 6Z6, 1 6Z7, 1 6Z8, 1 6Z9, 1 6Z10, 1 6Z11, 1 6Z12, 1 6Z13, 1 6Z14, 1 6Z15, 1 6Z16, 1 6Z17, 1 6Z18, 1 6Z19, 1 6Z20, 1 6Z21, 1 6Z22, 1 6Z23, 1 6Z24, 1 6Z25, 1 6Z26, 1 6Z27, 1 6Z28, 1 6Z29, 1 6Z30, 1 6Z31, 1 6Z32, 1 6Z33, 1 6Z34, 1 6Z35, 1 6Z36, 1 6Z37, 1 6Z38, 1 6Z39, 1 6Z40, 1 6Z41, 1 6Z42, 1 6Z43, 1 6Z44, 1 6Z45, 1 6Z46, 1 6Z47, 1 6Z48, 1 6Z49, 1 6Z50, 1 6Z51, 1 6Z52, 1 6Z53, 1 6Z54, 1 6Z55, 1 6Z56, 1 6Z57, 1 6Z58, 1 6Z59, 1 6Z60, 1 6Z61, 1 6Z62, 1 6Z63, 1 6Z64, 1 6Z65, 1 6Z66, 1 6Z67, 1 6Z68, 1 6Z69, 1 6Z70, 1 6Z71, 1 6Z72, 1 6Z73, 1 6Z74, 1 6Z75, 1 6Z76, 1 6Z77, 1 6Z78, 1 6Z79, 1 6Z80, 1 6Z81, 1 6Z82, 1 6Z83, 1 6Z84, 1 6Z85, 1 6Z86, 1 6Z87, 1 6Z88, 1 6Z89, 1 6Z90, 1 6Z91, 1 6Z92, 1 6Z93, 1 6Z94, 1 6Z95, 1 6Z96, 1 6Z97, 1 6Z98, 1 6Z99, 1 6Z100.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: Six C; AD; AF; FA; DAY; INF. RANGE: (MILES) 250 CW; 100 Voice. TO COMMUNICATE WITH: SCR-177; SCR-183; SCR-187; SCR-195; SCR-197; SCR-209; SCR-237; SCR-240; SCR-255; SCR-275-N; SCR-283; SCR-284; SCR-285; SCR-287; SCR-288; SCR-304; SCR-311; SCR-334; SCR-343; SCR-383. TO REPLACE IN PART: SCR-197; SCR-299. TRANSPORTATION: Power Unit PE-95 in 1 ton trailer. Shelter HO-17 with components installed mounts on 2 1/2 ton, 6x6 cargo truck. TYPE OF SIGNAL: CW, Voice (AM)			
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)					
			ITEM Trans. SC-610 Receivers SC-312 & SC-342 Speech Amplifier SC-614-C Antenna Tuning Unit SC-339 Trailer R-52 (Power Unit) includes Power Unit PE-95 Junction Box JB-70 Shelter HO-17	DIMENSIONS HEIGHT WIDTH DEPTH			WEIGHT	CLASSIFICATION
			COMBINED WEIGHT OF COMPONENTS					
COMBINED VOLUME OF COMPONENTS								
SHIP TONNAGE:								

SCR-499		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS:	STATUS: 8 Jan 43	INSTRUCTIONAL LITERATURE: TM 11-289
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MHz) Trans. 2.0 - 18.0 Recev. 1.5 - 18.0 NUMBER OF CRYSTALS: 36 PRESET FREQUENCIES: 3 ANTENNA: Whip on Lobe Wire TUNING: (M) OR XTAL) Both SENSITIVITY: SELECTIVITY: POWER SOURCE: AC 110 volts, 60 cycles, single phase OR PE-95. SIMILAR SETS: SCR-177-B; SCR-188-A; SCR-299 with- out shelter HO-17 and without 3-Pow 2nd Trailer. POWER OUTPUT: (WATTS) 400 CW, 300 Voice (2-5mc); 300 CW, 250 Voice (5-15mc); 275 CW, 200 Voice (12-18 mc). TUBES: (TYPE AND NUMBER) 1 6X4, 2 6X5, 1 6X6, 4 6X7, 1 6X8, 1 6X9, 1 6X10, 2 6X11, 1 6X12, 4 6X13, 1 6X14, 1 6X15, 1 6X16, 1 6X17, 1 6X18, 1 6X19, 1 6X20, 1 6X21, 1 6X22, 1 6X23, 1 6X24, 1 6X25, 1 6X26, 1 6X27, 1 6X28, 1 6X29, 1 6X30, 1 6X31, 1 6X32, 1 6X33, 1 6X34, 1 6X35, 1 6X36, 1 6X37, 1 6X38, 1 6X39, 1 6X40, 1 6X41, 1 6X42, 1 6X43, 1 6X44, 1 6X45, 1 6X46, 1 6X47, 1 6X48, 1 6X49, 1 6X50, 1 6X51, 1 6X52, 1 6X53, 1 6X54, 1 6X55, 1 6X56, 1 6X57, 1 6X58, 1 6X59, 1 6X60, 1 6X61, 1 6X62, 1 6X63, 1 6X64, 1 6X65, 1 6X66, 1 6X67, 1 6X68, 1 6X69, 1 6X70, 1 6X71, 1 6X72, 1 6X73, 1 6X74, 1 6X75, 1 6X76, 1 6X77, 1 6X78, 1 6X79, 1 6X80, 1 6X81, 1 6X82, 1 6X83, 1 6X84, 1 6X85, 1 6X86, 1 6X87, 1 6X88, 1 6X89, 1 6X90, 1 6X91, 1 6X92, 1 6X93, 1 6X94, 1 6X95, 1 6X96, 1 6X97, 1 6X98, 1 6X99, 1 6X100.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: Six C, AC, AF, FA, CAV, INF. Components installed in vehicles. RANGE: (MILES) 250 CW; 100 Voice. TO COMMUNICATE WITH: SCR-177; SCR-188; SCR-189; SCR-192; SCR-197; SCR-209; SCR-257; SCR-258; SCR-263; SCR-274-H; SCR-283; SCR-284; SCR-285; SCR-287; SCR-288; SCR-304; SCR-511; SCR-554; SCR-563; SCR-583. TO REPLACE IN PART: SCR-299. TRANSPORTATION: Components packed for Airborne Shipment. (See Shelter on Trailer provided) TYPE OF SIGNAL: CW; Voice (AM)		CHANGE IN STATUS:				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)								
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION		
		HEIGHT	WIDTH	DEPTH				
Trans. HO-610								
Receiv. HO-512, HO-562								
Speech Amplifier HO-614-E								
Ant. Tuning Unit HO-959								
Power Unit PE-95								
Junction Box JB-70								
COMBINED WEIGHT OF COMPONENTS								
COMBINED VOLUME OF COMPONENTS								
SHIP TONNAGE								

SCR-499 SET INCLUDES RADIO COMPONENTS OF SCR-177 PAKED FOR AIRBORNE SHIPMENT. DOES NOT INCLUDE SHELTER HO-17 AND TRAILER, 8-44 FOR POWER UNIT. ABOVE PHOTOGRAPH SHOWS COMPONENTS IN SHELTER HO-17.

INSTRUCTIONAL LITERATURE	STATUS	SUBSTITUTE STANDARD 11 Jun 62	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION													
	CHANGE IN STATUS			SCR-503													
	PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)													
	FREQUENCY RANGE: (MC) .1 - 3.0 NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: Crossed Loops TUNING: (MC OR KTL) 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 border="0" style="width: 100%;"> <tr> <td style="text-align: center;">Low Freq. Units</td> <td style="text-align: center;">High Freq. Units</td> </tr> <tr> <td>2 VT-151</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-154</td> <td>4 VT-209</td> </tr> </table>			Low Freq. Units	High Freq. Units	2 VT-151	1 VT-107	6 VT-209	1 VT-153	1 VT-155	2 VT-161	2 VT-162	2 VT-162	1 VT-154	4 VT-209	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-151	1 VT-107																
6 VT-209	1 VT-153																
1 VT-155	2 VT-161																
2 VT-162	2 VT-162																
1 VT-154	4 VT-209																
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)																	
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION											
		HEIGHT	WIDTH	DEPTH													
AZIMUTH SCALE M-555		10"	10"	3"	6.50												
Loop LP-25		10"	10"	3"	6.00												
Loop LP-55		8"	12"	1 1/2"	38.50												
RECEIVER RC-1005		8"	12"	1 1/2"	36.50												
RECEIVER RC-975		10-5/16"	13"	7-1/8"	65.50												
BATTERY, STORAGE 12V		29"	5-1/2"	5-1/2"	9.0												
TRIPOD LD-75		7-3/8"	6-5/8"	4-3/16"	90												
DYNAMOTOR PE-155		25-7/8"	27-7/8"	9"	330												
BATTERY CHART CH-113																	
COMBINED WEIGHT OF COMPONENTS INCLUDING BRACKETS, CHARTS, CORES, ETC.					157.50												
COMBINED VOLUME OF COMPONENTS					6.3 Cu Ft.												
SHIP TONNAGE																	

RADIO SET SCR-503

THIS SET COMES IN 2 UNITS - LOW FREQUENCY UNIT .1 TO 1.0 MC, HIGH FREQUENCY UNIT 1.0 TO 3 MCS, THIRD UNIT UNDER DEVELOPMENT TO COVER RANGE OF 3 TO 15 MC.

SCR-504		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		INSTRUCTIONAL LITERATURE: TM 11-552 (For SCR-504-A)		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MHz) .1 - 65 NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: Loop TUNING: (MD OR XTAL) Does not apply SENSITIVITY: 50 - 200 microvolts/meter SELECTIVITY: POWER SOURCE: Miniature storage battery (88-51, 88-52) SIMILAR SETS: None POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 1 1L6 1 VT-177 1 VT-178 5 VT-179				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: This equipment is intended to be used for intelligence purposes, particularly for the specific location of unauthorized transmitters. RANGE: Short TO COMMUNICATE WITH: Does not apply. TO REPLACE IN PART: TRANSPORTATION: Portable TYPE OF SIGNAL: Does not apply.				CHANGE IN STATUS:		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)										
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION				
		HEIGHT	WIDTH	DEPTH						
RADIO RECEIVER BC-792		6"	10"	13"	25#					
BATTERY CHARGER PC-125		9 3/4"	12"	8"	16#					
HEADSET HC-54		----	----	----	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 RUIT CASE AND READY FOR OPERATION. SHOWING EXTENDED RANGE ANTENNA, EXTERNAL CONTROLS AND MINIATURE HEADSET OF THE HEARING-AID TYPE. BATTERY CHARGER PC-125 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 15 Dec 41	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-506		
 RADIO SET SCR-506-A - INSTALLED IN TRUCK, 1/4-TON X K A (Print Film - Blowing Control Panel)			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MHz) Trans. 2-4.5; Recv. 2-6 NUMBER OF CRYSTALS: 1 (XTAL CALIBRATED) PRESET FREQUENCIES: 4 ANTENNA: 15' FISHPOLE TO USE WHILE MOVING, WITH 50' EXTENSION TO BE USED WHILE AT A HALT. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: VEHICULAR POWER SYSTEM 12 OR 24 V. INPUT. SIMILAR SETS: POWER OUTPUT: (Watts) 100 CW; 25 WATTS VOICE TUNES: (Type and Number) SCR-506 uses: 1-DC- 652-A; 2-6 DC T; 2-12 SK T; 2-12 K B; 1-12 SR T; 1-12 C B; 1-6 K B; 1-6 Y & G; 1-12 SO T; 1-DC-655-A; 1-807; 2-814; 2-1613; 2-VN-105-30. NOTE: 506-A ALSO LISTED HAS 18 TUBES, ALSO IDENTICAL WITH SCR-506 SHOWN ABOVE.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: TD; ARMO F; CAV; ENGR; FA; SIG C; USED IN LIGHT TRK M-3 & IN OTHER ARMORED VEHICLES. RANGE: (Miles) 70 CW; 25 VOICE. TO COMMUNICATE WITH: SCR-151; SCR-171; SCR-187; SCR-195; SCR-205; SCR-209; SCR-210; SCR-235; SCR-265; SCR-259; SCR-257. TO REPLACE IN PART: SCR-155-IN AF TRANSPORTATION (AND OR HOW ON) IN VEHICLE IN WHICH SET IS INSTALLED. TYPE OF SIGNAL: CW; VOICE (AM)	
					PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)	
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	
	HEIGHT	WIDTH	DEPTH			
TRANS. DC-652, RECV. DC-652	13 15/16"	35 1/8"	14 1/2"	176#		
COMBINED WEIGHT OF COMPONENTS:						
COMBINED VOLUME:						
SHIP TONNAGE:						

SCR-508NOMENCLATURE
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS
FOR SECTION CLASSIFICATION

STATUS:

INSTRUCTIONAL LITERATURE:

TM 11-600

PART A - TECHNICAL CHARACTERISTICS
(CLASSIFICATION)

FREQUENCY RANGE: (Mo) 20.0 TO 27.9
 NUMBER OF CRYSTALS: 80
 PRESET FREQUENCIES: 10 (Push Button Selection).
 ANTENNA: 9 Ft. FINEPOLE
 TUNING: (MO OR XTAL) XTAL
 SENSITIVITY: SELECTIVITY:
 POWER SOURCE: 12 (6F26) VOLT BATTERY.
 SIMILAR SETS: SCR-508 EXCEPT FREQUENCY.
 POWER OUTPUT: (WATER) 25 100% MODULATION.
 TUBES: (TYPE AND NUMBER) 6C-603-G RECEIVER 1 TUBE
 TYPE 6 H 6; 1 TUBE TYPE 6 J 5; 1 TUBE TYPE
 6 V 6 ST; 5 TUBES TYPE 6 A C 7; 2 TUBES TYPE
 12 SO 7; 2 TUBES TYPE 6 SL 7 OT. 6C-604-G TRANS-
 MITTER 7 TUBE 1619 TUBES; 1 TUBE 1620 TUBE.

PART B - TACTICAL CHARACTERISTICS
(CLASSIFICATION)

USE: ARMORED FORCE, FIELD ARTILLERY, INSTAL-
 LATION IN COMMAND TANKS AND VEHICLES OF
 AF, GNG., 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-506;
 SCR-509; SCR-510; SCR-525; SCR-558.

TO REPLACE IN PART: SCR-193; SCR-215; SCR-293.

TRANSPORTATION: VEHICLE.

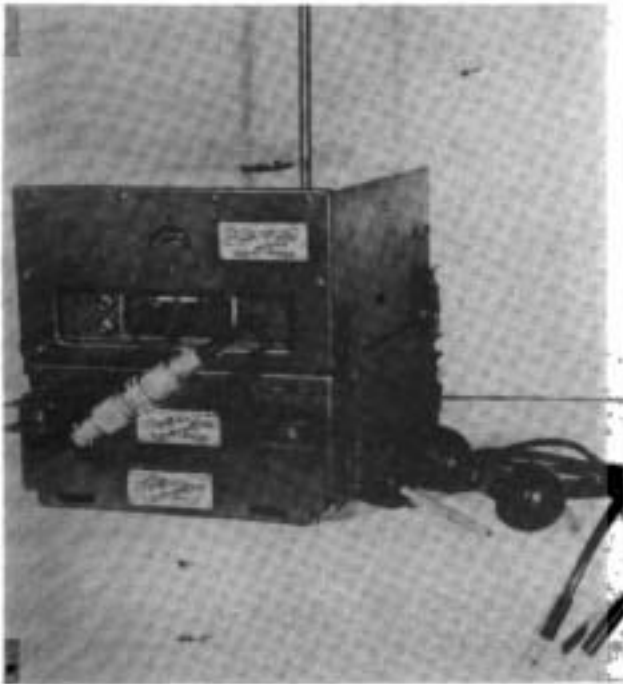
TYPE OF SIGNAL: Voice; FM.

CHANGE IN
STATUS:**PART C - PRINCIPAL COMPONENTS**
(CLASSIFICATION)

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
TRANSMITTER 6C-604				47#	
RECEIVER (2) 6C-603				70# (35# each)	
MOUNTING BASE FT-237				3#	
VEHICLE ANTENNA				-----	
COMBINED WEIGHT OF COMPONENTS:				121#	
COMBINED VOLUME OF COMPONENTS:					
SHIP TONNAGE:					

SCR-508 IS A SHORT RANGE, PORTABLE, FM SET, ARMORED FORCE COMMAND SET (AF 111). HAS
 INTERNAL INTERCOMMUNICATION. NOTE: RADIO SETS SCR-508/ SCR-509 AND SCR-558 ALL USE
 COMMON COMPONENTS AS FOLLOWS:
 SCR-508 1 TRANSMITTER; 2 RECEIVERS
 SCR-509 1 TRANSMITTER; 1 RECEIVER
 SCR-558 1 RECEIVER



INSTRUCTIONAL LITERATURE: TM 11-405	STATUS: CHANGE IN STATUS:	STANDARD 14 JUL 45	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-509		
			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: (MC OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: DRY BATTERIES: 8A-39; 8A-40; 8A-41. SIMILAR SETS: SCR-510. POWER OUTPUT: (WATTS) 1.0 100% MODULATION. TUBES: (TYPE AND NUMBER) SCR-509-A USES: 1 80-620-A - 1 1LH5; 1 1L26; 1 1299; 1 1296; 1 1LH6; 2 1291.	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: ARMY FORCE: TR SQ; ARMO REPT; INF REPT; SHORT RANGE RECONNAISSANCE AND SIMILAR MISSIONS. RANGE: (MILES) 5 ON GROUND. TO COMMUNICATE WITH: SCR-293; SCR-296; SCR-508; SCR-509; SCR-510; SCR-528; SCR-538. TO REPLACE IN PART: SCR-195 WITHIN THE ARMORED FORCE. TRANSPORTATION: MAN OR FOOT OR IN ANY VEHICLE. TYPE OF SIGNAL: VOICE; (FM)		
				PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)		
				ITEM	DIMENSIONS	
RADIO RECEIVER & TRANSMITTER RD-620.	HEIGHT	WIDTH	DEPTH	WEIGHT	CLASSIFICATION	
COMBINED WEIGHT OF COMPONENTS:						
COMBINED VOLUME OF COMPONENTS:						
SHIP TONNAGE:						

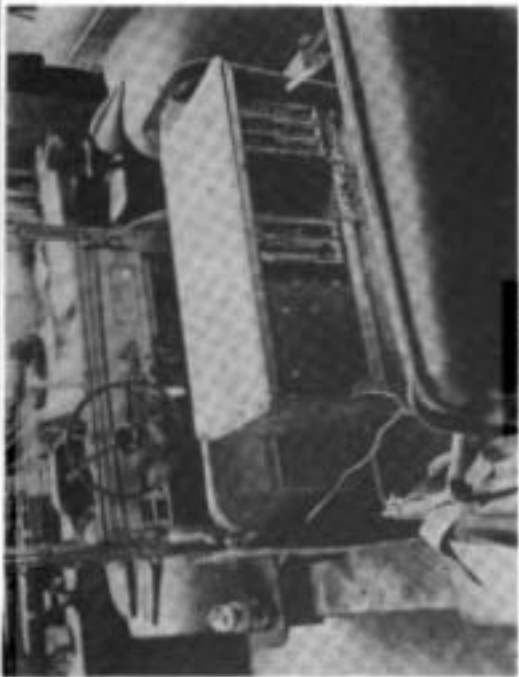
RADIO SET SCR-509 SET UP FOR OPERATION
 RADIO SET SCR-509 IS A LIGHT WEIGHT, SHORT RANGE
 FREQUENCY MODULATED SET.

SCR-510		NOMENCLATURE DESIGNATION		NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS:		STANDARD 15 JAN 41		INSTRUCTIONAL LITERATURE: TM 11-405	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (Mc) 20.0 - 27.9 NUMBER OF CRYSTALS: 80 PRESET FREQUENCIES: 2 ANTENNA: 8 FT. TELESCOPIC MAST, AND VEHICULAR BRIP. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: DRY BATTERIES OR VIBRATOR PAIR FOR OPERATION FROM ANT 6 OR 12 V VEHICULAR BATTERY. SIMILAR SETS: SCR-509 WHICH USES DRY BATTERIES ONLY. POWER OUTPUT: (Watts) 1.0 100% MODULATION. TUBES: (TYPE AND NUMBER) SCR-510-A USES: 1 6C-620-A - L 1L6; 1 1L6; 1 1L6; 1 1L6; 1 1L6; 1 1L6; 2 1L6; 1 PE-97-A - 1 V950-30; 1 6X5005.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: F1; ARMS STAY; MESS; CO BN ARMS; 314 C1 CO ARMS; ARMS 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-525; SCR-535. TO REPLACE IN PART: SCR-154; SCR-175. 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							
REGR. & TRANS. BC-620 PLATE SUPPLY UNIT PE-97											
COMBINED WEIGHT OF COMPONENTS:					65#						
COMBINED VOLUME:					1.5 cu. ft.						
SHIP TONNAGE:											

RADIO SET SCR-510 SHORING 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 NAME FREQUENTLY IDENTIFIED VEHICULAR OR GROUND RADIO SET. MAY ALSO BE USED AS SHORT NAME MOBILE COMMAND SET.

INSTRUCTIONAL LITERATURE: TM 11-245	STATUS:	STANDARD 1 Jun 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:																																																													
	CHANGE IN STATUS:			SCR-511																																																													
 RADIO SET SCR-511 COMPONENTS.			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)																																																												
			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: INTERNAL DRY BATTERIES BA-49. SIMILAR SETS: None POWER OUTPUT: (WATTS) 0.75 TUNING: (TYPE AND NUMBER) Radio Recv. SC-1147; 1 SUG(VT-244) 1 GAT(VT-90) 1 GAT(VT-94) 1 GAT(VT-150) 1 GAT(VT-116) 4 GAT(VT-117) 1 GAT(VT-103) 1 GAT(VT-107-A) 1 VR-150-30 (VT-139) TUNING TRANSMITTER SC-1149; 1 GAT(VT-151) 1 GAT(VT-182) CONTROL PANEL PM-31; 1 D2(VT-119) 1 SUG(VT-244) 1 GAT(VT-112) 1 GAT(VT-117) 1 VR-150-30(VT-200)		USE: Cav. Trj Engr. Co. & Trj Inf. Pans, Wpn., & Airborne Units; Sig Co Co Mtn Div; Co Mtn 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)																																																												
 RADIO SET SCR-511 AS USED BY MOUNTED TROOPS.			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 RECV. & TRANS. SC-745</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TUNING UNIT SC-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>QUEST 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 RECV. & TRANS. SC-745						TUNING UNIT SC-746						POWER SUPPLY UNIT PE-157						QUEST UNIT T-39						MOUNTING FT-358						BATTERY BA-49						COMBINED WEIGHT OF COMPONENTS:				20#		COMBINED VOLUME:				0.5 cu.ft.		SHIP TONNAGE:		
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SHIP TONNAGE:																																																																	

INSTRUCTIONAL LITERATURE TM 11-600	STATUS CHANGE IN STATUS	ITEM NO. 22 Jul 41	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION SCR-528																															
 RADIO SET SCR-528 INSTALLED IN DODGE TRUCK, 3 1/2-TON 4 X 4 COMMAND VEHICLE, BUILT RANGE PW TRANSMITTER AND RECEIVER, SEE SCR-508.			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MHz) 20.0 to 27.9 NUMBER OF CRYSTALS: 50 PRESET FREQUENCIES: 10 ANTENNA: 9 foot whippole TUNING (MD or XTAL): XTAL SENSITIVITY: SENSITIVITY: POWER SOURCE: 12v: (XMT) DM-55 (RECV.) DM-56 24v: (XMT) DM-57 (RECV.) DM-58 SIMILAR SETS: Same as SCR-508 minus one radio receiver SC-60. POWER OUTPUT: (Watts) 25 at 100% modulation TUBES: (Type and Number) SCR-528 uses: 5-SC-605-C Repl.: 1-5H6; 1-6J5; 1-6X6; 3-6AC7/ 1052; 2-12 36 7; 2-6 3L7 ST. 1-SC-605-C Trans. 1 T-1019; 1-1020. (TUBE CONTENTS MAY VARY IN DIFFERENT MODELS. MODEL 528-C IS CITED TO SHOW TUBE CONTENT AS BEING TYPICAL.)	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: CW; Speech; Fg; Med Duty; QMC; Arm F. INTERMEDIATE COMMAND TMS & VEHICLES OF ARMED FORCE, DMG, COMB AND DIVISIONS. RANGE: (Miles) 7 while in motion TO COMMUNICATE WITH: SCR-299; SCR-296; SCR-508; SCR-509; SCR-510; SCR-506; SCR-530. TO REPLACE IN PART: SCR-299; SCR-265 in Armed Force. TRANSPORTATION: and operation in vehicles. TYPE OF SIGNAL: Voice (FM)																															
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)																																
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th>WEIGHT</th> <th>CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td> Transmitter SC-606 (INTERNAL INTERPHONE) Receiver SC-605 MOUNTING FT-257 </td> <td>14"</td> <td>14 1/2"</td> <td>34"</td> <td>875 #</td> <td></td> </tr> <tr> <td> COMBINED WEIGHT OF COMPONENTS: </td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> COMBINED VOLUME: </td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> SHIP TONNAGE: </td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	Transmitter SC-606 (INTERNAL INTERPHONE) Receiver SC-605 MOUNTING FT-257	14"	14 1/2"	34"	875 #		COMBINED WEIGHT OF COMPONENTS:						COMBINED VOLUME:						SHIP TONNAGE:				
ITEM	DIMENSIONS				WEIGHT	CLASSIFICATION																													
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SCR-536		NOMENCLATURE DESIGNATION		NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		INSTRUCTIONAL LITERATURE TM 11-295	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)				CHANGE IN STATUS	
FREQUENCY RANGE: (MHz) 3.5 to 6.0 NUMBER OF CRYSTALS: One transmitting and one receiving crystal required per channel. PRESET FREQUENCIES: One preset channel provided. ANTENNA: 1/4" Whip Antenna - Telescoped into Set Box. Receiver is turned on when antenna is extended. TUNING: (MHz or KHz) Crystal. SENSITIVITY: SELECTIVITY: POWER SOURCE: Self contained dry batteries. SIMILAR SETS: None POWER OUTPUT: (Watts) .027 TUBES: (Type and Number) 1 60-B15-B Transceiver. Tubes: 1, 1 R 5 Tube: 1, 1 A 5 Tube: 1, 1 T 4 Tube: 2, 3 A 4 Tube.				USE: Used by Paratroops, 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-199; SCR-255; SCR-275-4; SCR-283; SCR-287; SCR-288. TO REPLACE IN PART: None. TRANSPORTATION: Man Pack TYPE OF SIGNAL: Voice Only. (AM)					
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)									
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION			
		HEIGHT	WIDTH	DEPTH					
Receiver and Transmitter 60-B15		15 3/4"	5 3/8"	3 3/4"	5.5#				
COMBINED WEIGHT OF COMPONENTS					1#				
COMBINED VOLUME OF COMPONENTS					100 Cu. In.				
SHIP TONNAGE					2 #				

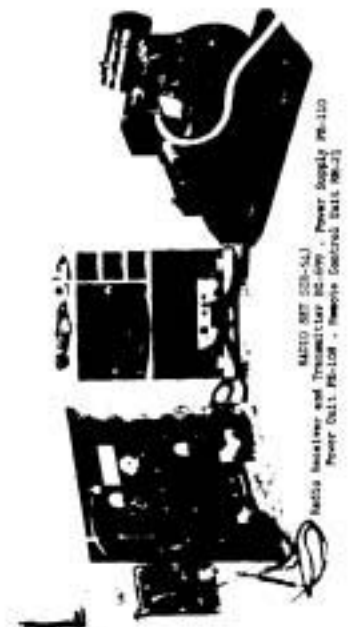
RADIO SET SCR-536

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 11-400	STATUS	STANDARD 29 Apr 41	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-538				
CHANGE IN STATUS			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)				
 RADIO SET SCR-538 (GROUND RADIO) RECEIVER ONLY. Components and mounting are as shown in referenced amplifiers. Some mounting hardware (TT-237) is used as per SCR-538 and 538 administrative use of the components of set or used with SCR-538 mainly consists the mounting base and SCR-538 only. See SCR-538.			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 STAL) SENSITIVITY: SENSITIVITY: POWER SOURCE: VEHICLE BATTERY (12 V OR 24 V) SIMILAR SETS: POWER OUTPUT: (Watts) TUBES: (Type and Number) SCR-538 uses: 1-6C-605-A₁; 1-6C-605-A₂; 1-6C-605-A₃; 2-6 SL 7 GT; 1-6SL; 1-6SL GT; 2-6AC 7/1052; 2-1280; 1-6C-605-A₂ 2-1275 Tubes.	USE: Car; MGR & MGR; Arm F; Tank and Maintenance Units. RANGE: (Miles) TO COMMUNICATE WITH: SCR-293; SCR-508; SCR-509; SCR-510; SCR-526. TO REPLACE IN PART: SCR-210; SCR-296. TRANSPORTATION: Transported and operated in vehicle TYPE OF SIGNAL: Voice (FM)				
			COMBINED WEIGHT OF COMPONENTS COMBINED VOLUME SHIP TONNAGE			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)		
ITEM	DIMENSIONS					WEIGHT	CLASSIFICATION	
	HEIGHT	WIDTH				DEPTH		
RECEIVER 6C-605. INTERPHONE APP. 6C-605 MOUNTING TT-237, MARY BARK MP-3T OR 3T	14 "	14 1/2"				5 1/2 "	155 #	

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

(GROUND SIGNAL EQUIPMENT; GROUND RADIO)

INSTRUCTIONAL LITERATURE: TM 11-625	STATUS		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION SCR-543																																										
 RADIO SET SCR-543 Radio Receiver and Transmitter SC-543 Power Unit PE-110 Power Unit PE-108 - Always Disconnected MEDIUM POWER MOBILE COMMAND SET, CAPABLE OF OPERATION IN A MOVING VEHICLE			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MHz) 1.60 - 4.45 NUMBER OF CRYSTALS: 6 PRESET FREQUENCIES: 6 ANTENNA: 15' whip antenna TUNING: (MD OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: Power Supply Unit PE-110 115V AC, Power Unit PE-108. SIMILAR SETS: POWER OUTPUT: (watts) 45 TUNES: (Type and Number) SCR-543-G uses: 1 HC-649 - 1 6H6; 1 6J5; 2 6D7; 1 6L6; 1 6L6G; 3 6XK7; 1 12J50T; 1 6SA7; 1 6XAGT; 1 PE-110-C-1 type D0; 1 5Z3.	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: GAC: Firing Battery, Barrage Balloon Units, & AA Units. RANGE: (Miles) 15 moving, 20-30 stationary. TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: VEHICLE. (Can be dismounted quickly and operated with increased range as field station) TYPE OF SIGNAL: VOICE ONLY (AM)																																										
				PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)																																										
				<table border="1"> <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 & Transmitter SC-543,</td><td>28 1/2"</td><td>20 3/8"</td><td>29 3/4"</td><td>181#</td><td></td></tr> <tr> <td>Power Unit PE-110</td><td>22 1/2"</td><td>15 1/4"</td><td>26 3/4"</td><td>165#</td><td></td></tr> <tr> <td>Power Unit PE-108</td><td>24"</td><td>26"</td><td>25 3/4"</td><td>320#</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	Receiver & Transmitter SC-543,	28 1/2"	20 3/8"	29 3/4"	181#		Power Unit PE-110	22 1/2"	15 1/4"	26 3/4"	165#		Power Unit PE-108	24"	26"	25 3/4"	320#		COMBINED WEIGHT OF COMPONENTS						COMBINED VOLUME OF COMPONENTS						SHIP TONNAGE:		
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COMBINED VOLUME OF COMPONENTS																																														
SHIP TONNAGE:																																														

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

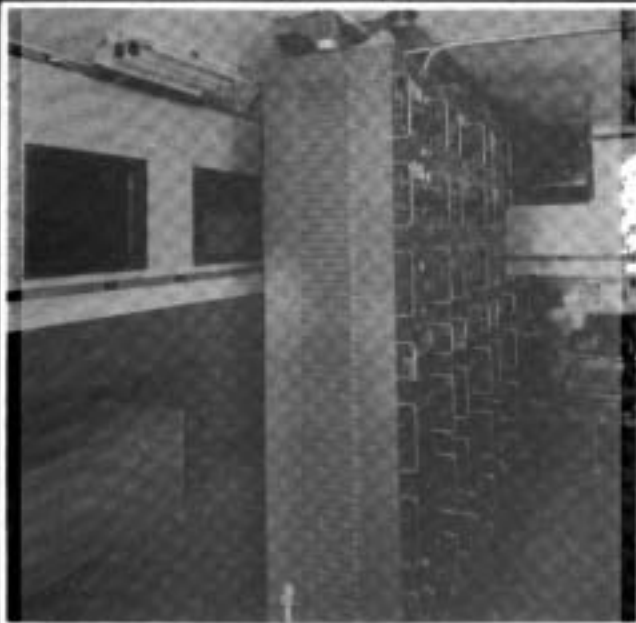
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THIS SHEET IS CLASSIFIED UNCLASSIFIED

SCR-551		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS	SUBSTITUTE STANDARD 11 Jun 42	INSTRUCTIONAL LITERATURE: TM 11-247 (rev SCR-551-4)												
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)			CHANGE IN STATUS														
FREQUENCY RANGE: (MHz) 2.0 to 20.0 NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: A80000 TUNING: (MHz OR KHz) Does not apply SENSITIVITY: 5 - 30 MICROVOLTS/METER SELECTIVITY: POWER SOURCE: 6V Storage Battery SIMILAR SETS: SCR-255, 555, 556 POWER OUTPUT: (WATTS) TUNES: (TYPE AND NUMBER) <table border="0"> <tr> <td>1 VT-56</td> <td>5 VT-80</td> </tr> <tr> <td>1 VT-56</td> <td>5 VT-90</td> </tr> <tr> <td>1 VT-91</td> <td>1 VT-99</td> </tr> <tr> <td>1 VT-105</td> <td>1 VT-154</td> </tr> <tr> <td>1 VT-156</td> <td>1 VT-165</td> </tr> <tr> <td>6 SP5</td> <td>1 SPPT (C.R.)</td> </tr> </table>			1 VT-56	5 VT-80	1 VT-56	5 VT-90	1 VT-91	1 VT-99	1 VT-105	1 VT-154	1 VT-156	1 VT-165	6 SP5	1 SPPT (C.R.)	USE: RADIO DIRECTION FINDER FOR LOCATING ENEMY TRANSMITTERS AND FOR ORIENTATIONAL AID TO FRIENDLY AIRCRAFT. RANGE: TO COMMUNICATE WITH: Does not apply TO REPLACE IN PART: SCR-255 TRANSPORTATION: 2 1/2 TON SARGO TRUCK TYPE OF SIGNAL: Does not apply			 RADIO SET SCR-551 PREPARED FOR DIRECTION FINDING Equipment and operator rotate on top of 15-foot tower. Glass aerial ball and left-right bearing indication on periscope.		
1 VT-56	5 VT-80																			
1 VT-56	5 VT-90																			
1 VT-91	1 VT-99																			
1 VT-105	1 VT-154																			
1 VT-156	1 VT-165																			
6 SP5	1 SPPT (C.R.)																			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)																				
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION														
		HEIGHT	WIDTH	DEPTH																
C&I CONTAINER				13 1/2"	212#															
Vibrator Unit PE-15					20#															
Control Panel PM-21					20#															
Periscope BC-951					50#															
Radio Receiver BC-974		40"			10#															
Tower TR-51		15'	5 1/2"	9"	616#															
A80000 Antenna			13 "		35#															
Shelter HO-11		66"	50 "	50"	205#															
COMBINED WEIGHT OF COMPONENTS, INCLUDING CABLES, LADDERS, BATTERIES					2800#															
COMBINED VOLUME OF COMPONENTS:																				
SHIP TONNAGE:																				

THIS SHEET IS CLASSIFIED UNCLASSIFIED

INSTRUCTIONAL LITERATURE	STATUS	STANDARD 30 Oct 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION		
	CHANGE IN STATUS			SCR-555		
 RADIO SET SCR-555 PREPARED FOR DIRECTION FINDING GIVES AURAL HULL ON LEFT-RIGHT METER BEARING INDICATION. OPERATOR ROTATES WITH EQUIPMENT AT BASE OF TOWER. SAME AS RADIO SET SCR-556 EXCEPT FOR FREQUENCY RANGE.	PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)			
	FREQUENCY RANGE: (MC) 15 - 65 NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: As above TUNING: (MC OR XTAL) Does not apply SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 V SPARE BATTERY SIMILAR SETS: SCR-551; SCR-556 POWER OUTPUT: (WATTS) Does not apply TUNES: (TYPE AND NUMBER) 1 VT-90 2 VT-96 2 VT-112 2 VT-131 1 VT-198-A 5 VT-209 1 VT-251 1 VT-253 2 VT-255		USE: RADIO DIRECTION FINDER FOR LOCATING ENEMY TRANSMITTERS. RANGE: TO COMMUNICATE WITH: Does not apply TO REPLACE IN PART: None TRANSPORTATION: Cargo Truck TYPE OF SIGNAL: Does not apply			
	PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)					
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH		
TOWER AND SHELTER ASSEMBLY T-125 MOUNTED IN 3 CHESTS:						
1 Chest CH-131 CONTAINING 3 SHELTER SIDE SECTION		64"	59"	10"	370	
1 Chest CH-136 CONTAINING ROOF SECTION		64"	63"	9"	210	
1 Chest CH-137 CONTAINING 3 LOWER TOWER LEGS, 3 UPPER TOWER LEGS, 1 APES BLOCK, AND 3 REEFS		10"	12"	11"	210	
1 Chest CH-138 CONTAINING FLOOR SECTION		12"	12"	7"	210	
1 Chest CH-139 CONTAINING 3 BARE KILLS, TOWER TRUSS LG-138, COMPASS TRUSS LG-14-8, AND WINDS PIV (PL-15)		12"	120"	8"	200	
Antenna Mast Assembly AM-125 MOUNTED IN Chest CH-135		108"	11"	14"	210	
PERCEPTRAL ASSEMBLY PT-145 MOUNTED IN Chest CH-135		10"	54"	34"	190	
RECEIVER CABINET CS-155 CONTAINING 1 RECEIVER RE-155, 1 POWER UNIT PE-155, AND 1 COND CS-155		20"	24"	15"	110	
MISCELLANEOUS ACCESSORIES		---	---	---	110	
NOTES: DIMENSIONS AND WEIGHTS SHOWN ARE FOR CHESTS, INCLUDING COMPONENTS MOUNTED THEREIN.						
COMBINED WEIGHT OF COMPONENTS					1,420	
COMBINED VOLUME OF COMPONENTS						
SHIP TONNAGE						

INSTRUCTIONAL LITERATURE:	STATUS:	STATEMENT AN COMPONENT OF SC5-2	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION:	SCR-562																																																																				
	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 DIPOLE MOUNTED ON 90° MAST. TUNING: (MC OR XTAL) XTAL. SENSITIVITY: SELECTIVITY: POWER SOURCE: POWER UNIT PE-99 (75WVA, 110V 3 PHASE 60 CYCLE); ALSO PROVISION FOR USING COMMERCIAL POWER FROM 110V 2 WIRE SERVICE. SIMILAR SETS: RADIO SETS SCR-652 (FIXED). POWER OUTPUT: (WATTS) 50 (APPROXIMATELY) TUNES: (TYPE AND NUMBER) 6-DC-640 TRANS: 8 EACH, (16) 525; 4 EACH (26) 425; 3 EACH (18) 1615; 2 EACH (12) 811; 1 EACH (6) 507; 5 EACH (30) HZ. 1-ONEILLIHOPE RCA #155; 1-SAP1/906P1; 2-SC6; 2-80; 1-554; 1-VOLT OHMIST RCA-105; 2-545GT; 1-6X50T.		USE: VHF RADIO TRANSMISSION STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SC5-2. PROVIDES 5 INDEPENDENT CHANNELS OF RADIO TRANSMISSION. RANGE: (MILES) 155 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-528. TO REPLACE IN PART: TRANSPORTATION: TWO (2) TRAILERS, EACH TRAILER K-35 HAS 3 EACH TRANSMITTERS SC-640, MAKING A TOTAL OF 6. TYPE OF SIGNAL: VOICE MOD																																																																						
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 SC-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>194"</td> <td>6500#</td> <td></td> </tr> <tr> <td>2 ONE-TON CARGO TRAILERS</td> <td>72"</td> <td>72"</td> <td>144"</td> <td>1300 #</td> <td></td> </tr> <tr> <td>4 ANTENNA AH-56 EACH MADE UP - Box 1 Box 2 Box 3 Box 4 Box 5</td> <td>188" 76 1/2" 13 1/2" 28 1/2" 34 5/8"</td> <td>43 1/2" 31 1/2" 5 1/2" 28 1/2" 34 3/4"</td> <td>25 3/4" 23 1/2" 14 1/2" 17 1/2" 17 1/2"</td> <td>2000# 447# 150# 450# 45#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>45000 LBS</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS:</td> <td>5700 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 SC-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"	194"	6500#		2 ONE-TON CARGO TRAILERS	72"	72"	144"	1300 #		4 ANTENNA AH-56 EACH MADE UP - Box 1 Box 2 Box 3 Box 4 Box 5	188" 76 1/2" 13 1/2" 28 1/2" 34 5/8"	43 1/2" 31 1/2" 5 1/2" 28 1/2" 34 3/4"	25 3/4" 23 1/2" 14 1/2" 17 1/2" 17 1/2"	2000# 447# 150# 450# 45#		COMBINED WEIGHT OF COMPONENTS:				45000 LBS		COMBINED VOLUME OF COMPONENTS:				5700 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-652 EXCEPT SEMI-MOBILE. TECHNICAL CHARACTERISTICS: TRANSMITTER (SC-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 (IGNITION UNIT) AND THEN TO THE INPUT OF THE TRANSMITTER (SC-640). THE CONTROL UNIT RM-27 HAS PROVISIONS FOR PATCHING THE INCOMING LINE TO THE SIX (6) TRANSMITTERS, MONITORING AND ADJUSTING THE VOLUME OF THE INCOMING SIGNAL TO THE TRANSMITTER. INTERCOMMUNICATION WITH THE OPERATIONS BLOCK IS ALSO PROVIDED. SIX (6) TRANSMITTERS ARE PROVIDED BY PATCHING TOGETHER THE TWO (2) TRAILERS K-35.																																																																									

SCR-563NOMENCLATURE
DESIGNATIONNOTE: 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 ANF).

PRESET FREQUENCIES: 6 RECEIVERS RC-639 CONTAINED IN SCR-563 ARE NOT CRYSTAL CONTROLLED BUT ARE ORIENTED BY MEANS OF THE FREQUENCY METER RC-630. 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: (MC OR XTAL) VARIABLE

SENSITIVITY: 2-3 μ V/METER 50 MM OUTPUT.

SELECTIVITY: 2 TIMES DOWN LESS 100 KC, 1000 TIMES

DOWN MORE 350 KC.

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

SIMILAR SETS: SCR-635 (FIXED)

POWER OUTPUT: (WATTS) 1 (DISTORTED). $\frac{1}{2}$ (10% DISTORTED.)

TUBES: (TYPE AND NUMBER) RECEIVING SET FOR SCR-2, 6 RC-639-A; 10 9003; 6 9002; 20 6307; 6 6307T; 6 6307T; 1 RC-630-A; 1 5V6; 1 9002; 2 9003; 1 6L6; 1 6X5; 1 6X7; 6 RA-42-A; 6 5AL6.

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

USE: VHF RADIO RECEIVING STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCR-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.

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

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
1 TRAILER K-35	120"	96"	156"	6500#	
1 ONE-TON CARGO TRAILER	72"	72"	144"	1500#	
6 RECEIVERS RC-639 (1 SPARE)	10 1/2"	19"	13 1/4"	30#	
1 CONTROL UNIT RC-25	5"	19"	8 1/2"	10#	
6 ANTENNA EQUIPMENT RC-61 2 EACH	12"	20 1/2"	50 1/2"	1#	
1 POWER UNIT PE-99	45"	20"	50"	1600#	
1 FREQUENCY METER RC-630	11 1/2"	19"	12"	35#	
6 RECTIFIER RA-42 (1 SPARE)	7"	19"	1 1/2"	25#	
3 SOCKET PANEL PM-4	10 1/2"	19"	3 1/8"	7#	
1 FUSE PANEL PM-15	5"	19"	5"	25#	
6 ANTENNA AN-56 EACH WARE UPI	168"	13 1/2"	25 1/4"	2000#	
BOX - 1	75 1/2"	9 1/2"	23 1/2"	447#	
BOX - 2	13 1/2"	5 1/2"	10 7/8"	190#	
BOX - 3	35 1/2"	26 1/2"	17 1/2"	450#	
BOX - 4	36 5/8"	34 5/8"	17 1/2"	475#	
COMBINED WEIGHT OF COMPONENTS				25,000 #	
COMBINED VOLUME OF COMPONENTS				3000 cu. ft.	
SHIP TONNAGE				14 1/2 T	



RECEIVING EQUIPMENT RC-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.

INSTRUCTIONAL LITERATURE	STATUS	STANDARD IS COMPONENT OF SCB-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)																																																																																														
 RADIO SET SCR-164, PART OF CONTROL NET SYSTEM SCB-2 Front View of Radio Receiving Equipment SC-TR-4 And Lower Portion of Antenna Equipment SC-82 PRESET FREQUENCIES: CRYSTALS ARE CONTAINED IN THE FREQUENCY METER SC-638 USED TO CALIBRATE AND ADJUST THE RECDR. SC-639. THE RECDR. SC-639 IS NOT CRYSTAL CONTROLLED. THE FREQUENCY METER SC-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 RECDR. SC-639.			FREQUENCY RANGE: (MC) 100-156 NUMBER OF CRYSTALS: TWO (2) IN USE (COMPLETE XTAL COMPLEMENT TO BE DETERMINED BY RAF) PRESET FREQUENCIES: TWO (2) (SEE BELOW) ANTENNA: AEROBIC-DIRECTIONAL D/F WITH SENSE TUNING: (MC OR XTAL) VARIABLE SENSITIVITY: 2-5 MICROVOLTS/METER AT 50MC. SELECTIVITY: 2 TIMES DOWN LESS 100 MC. 1000 TIMES DOWN MORE 350 MC. POWER SOURCE: POWER UNIT PE-99 (75 KVA 110V, 60 CY- CLE 3 PHASE. ALSO PROVISIONS FOR USING COMMER- CIAL POWER FROM A 110V 2 WIRE SERVICE. SIMILAR SETS: POWER OUTPUT: (WATTS) 1 WATT (DISTORTED) $\frac{1}{10}$ (10% DISTORTION) TUBES: (TYPE AND NUMBER) 1 SC-638 - 1 5Y6G; 1 9002; 2 9003; 1 6L5G; 1 6E5; 1 6X4; 2 SC-639 - 6 9003; 2 9002; 8 6X4; 2 6X4GT; 2 6X4GT. 2 RA-42 - 2 5Y6G.	USES: SECTOR HAWKING D/F STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCB-2. BY UTILIZING A SECTOR TRANSMITTER THE D/F OPERATOR HAWKS THE AIRCRAFT BY THE "TALK DOWN METHOD". RANGE: (MILES) DETERMINED BY OUTPUT OF AIRBORNE TRANSMITTER AND HEIGHT OF AIRCRAFT. TO COMMUNICATE WITH: FIGHTER AIRCRAFT EQUIPPED WITH RADIO SCR-522 BY RADIO AND WITH SCR-565 BY TELEPHONE. TO REPLACE IN PART: TRANSPORTATION: NONE TYPE OF SIGNAL: RECEIVER VOICE, TONE MODULATED SIGNAL AND CW.																																																																																														
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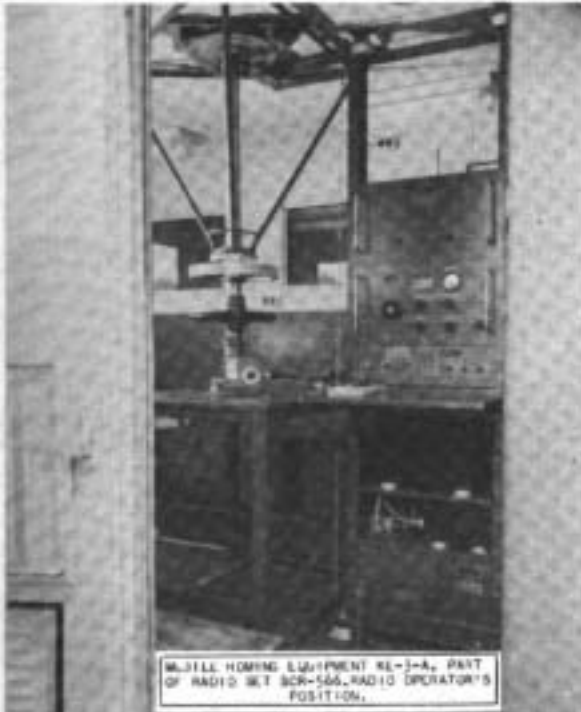
THIS SHEET IS CLASSIFIED **RESTRICTED**

SCR-565		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS:		STANDARD AS COMPONENT OF SCR-52		INSTRUCTIONAL LITERATURE:	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED)				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED)				CHANGE IN STATUS:			
FREQUENCY RANGE: (MHz) 100-156 NUMBER OF CRYSTALS: 2 IN USE (COMPLETE XTAL COMPLEMENT TO BE DETERMINED BY AAF) PRESET FREQUENCIES: 2 SEE NOTE * ANTENNA: VERTICAL 800000 D/F WITH SENSING FACILITIES. TUNING: (MO OR XTAL) VARIABLE SENSITIVITY: SELECTIVITY POWER SOURCE: POWER UNIT PE-99 (75 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) 1/2 WATT (10% DISTORTION) TUBES: (Type and Number) 1 8C-638 - 1 5V6G; 1 9002; 2 9003; 1 6L5B; 1 6X5; 1 6X7; 2 8C-639 - 6 9005; 2 9002; 0 6X6; 2 6X4; 2 6X6GT; 2 RA-52 - 2 5V6G				USE: G/F FIXED STATION FOR GROUND CONTROL OF INTER-SECTION PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCR-52. 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 BLOCK (SCR-565) AND BY TRIANGULATION, THE POSITION OF THE AIRCRAFT IS FIXED. RANGE: (MILES) TO COMMUNICATE WITH: CONTROL SET SCR-565 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH SCR-522. TO REPLACE IN PART: TRANSPORTATION: NONE TYPE OF SIGNAL: RECEIVED VOICE, TONE MODULATED SIGNAL AND CW.							
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)											
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION					
		HEIGHT	WIDTH	DEPTH							
(PACKED IN 12 BOXES)											
1 TOWER TR-17		TOTAL	156 1/2 IN.	FT.	21, 1/2 LB	RESTRICTED					
1 SHELTER HO-3 (KNOWLEDG BOX)		24"	60"	72"	625 LB	RESTRICTED					
1 POWER UNIT PE-99		55"	26"	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 LB	APPROXIMATE					
COMBINED VOLUME:					2,200 CU. FT.	"					
SHIP TONNAGE:					16 3/4 TONS	"					

 RADIO SET SCR-565
 Receiver's Position

*PRESET FREQUENCIES: CRYSTALS ARE CONTAINED IN THE FREQUENCY METER RC-638 USED TO CALIBRATE AND ADJUST THE RECEIVER RC-639. THE RECEIVER RC-639 IS NOT CRYSTAL CONTROLLED. THE FREQUENCY METER RC-638 CAN BE SET UP ON 3 DIFFERENT CRYSTAL CONTROLLED FREQUENCIES AT ONE TIME AND THE DESIRED XTAL SELECTED BY A 5-POSITION SWITCH.

THIS SHEET IS CLASSIFIED **RESTRICTED**

INSTRUCTIONAL LITERATURE:	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-566																																																																																														
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																																																																															
 MOBILE HOMING EQUIPMENT RE-3-A, PART OF RADIO SET SCR-566, RADIO OPERATOR'S POSITION.	FREQUENCY RANGE: (MC) 100 - 156 NUMBER OF CRYSTALS: 9 IN USE (FULL XTAL COMPLEMENT TO BE DETERMINED BY AAF) PRESET FREQUENCIES: 9 (4 IN DC-625; 4 IN DC-625; 1 IN DC-658). ANTENNA: VERTICAL AEROBE D/F WITH BENDING FACILITY TIER. TUNING: (MC OR XTAL) DC-625; DC-625; XTAL; DC-639 VARIABLE. SENSITIVITY: 2-3 MICROVOLTS/METER AT 50 MH. SELECTIVITY: 2 TIMES DOWN LESS 100 MC. 1000 TIMES DOWN MORE 350 MC. 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. SIMILAR SETS: RADIO SET SCR-575. POWER OUTPUT: (WATTS) TRANSMITTER DC-625 OUTPUT 5 WATTS MINIMUM. TUBES: (TYPE AND NUMBER) SEE NOTE *	USE: MOBILE D/F STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATION. PART OF CONTROL SET SYMBEN SCR-52. USED AS A MOBILE HOMING AND D/F STATION FOR PLANES EQUIPPED WITH RADIO SET SCR-522. RANGE: (MILES) 135 MILES WITH AIRCRAFT AT 10,000 FEET. TO COMMUNICATE WITH: CONTROL SET SCR-561 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH RADIO SET SCR-522. TO REPLACE IN PART: TRANSPORTATION: ONE (1) TRUCK K-53, 1 TRAILER K-43 (POWER) TYPE OF SIGNAL: VOICE AND ICH.																																																																																																	
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED) <table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th>WEIGHT</th> <th>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 DC-63</td> <td></td> <td></td> <td></td> <td>300 #</td> <td></td> </tr> <tr> <td>1 ONE-TON CARGO TRAILER</td> <td>72"</td> <td>72"</td> <td>144"</td> <td>1,900 #</td> <td></td> </tr> <tr> <td>1 RECEIVER DC-639</td> <td>10 1/2"</td> <td>19"</td> <td>15 1/2"</td> <td>56 #</td> <td></td> </tr> <tr> <td>1 DYNAMOTOR UNIT PW-100</td> <td>6"</td> <td>19"</td> <td>10 1/2"</td> <td>23 #</td> <td></td> </tr> <tr> <td>1 DYNAMOTOR UNIT PE-94</td> <td>6 1/2"</td> <td>9"</td> <td>6 1/2"</td> <td>30 #</td> <td></td> </tr> <tr> <td>1 RECEIVER DC-625</td> <td>6"</td> <td>15 1/2"</td> <td>9"</td> <td>14 1/2#</td> <td></td> </tr> <tr> <td>1 TRANSMITTER DC-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 RC-10</td> <td>5"</td> <td>19"</td> <td>6 3/4"</td> <td>14#</td> <td></td> </tr> <tr> <td>1 POWER UNIT PE-99</td> <td>55"</td> <td>26"</td> <td>50"</td> <td>1,400 #</td> <td></td> </tr> <tr> <td>1 CONTROL BOX DC-602</td> <td>6"</td> <td>5 1/2"</td> <td>2 1/2"</td> <td>2 #</td> <td></td> </tr> <tr> <td>1 OSCILLATOR TEST EQUIPMENT DC-93 (DC-655)</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>10,000#</td> <td>APPROXIMATELY</td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS</td> <td>4300 cu. ft.</td> <td>"</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 DC-63				300 #		1 ONE-TON CARGO TRAILER	72"	72"	144"	1,900 #		1 RECEIVER DC-639	10 1/2"	19"	15 1/2"	56 #		1 DYNAMOTOR UNIT PW-100	6"	19"	10 1/2"	23 #		1 DYNAMOTOR UNIT PE-94	6 1/2"	9"	6 1/2"	30 #		1 RECEIVER DC-625	6"	15 1/2"	9"	14 1/2#		1 TRANSMITTER DC-625	6"	15 1/2"	9"	14 1/2#		1 CONTROL UNIT RC-10	5"	19"	6 3/4"	14#		1 POWER UNIT PE-99	55"	26"	50"	1,400 #		1 CONTROL BOX DC-602	6"	5 1/2"	2 1/2"	2 #		1 OSCILLATOR TEST EQUIPMENT DC-93 (DC-655)	10 1/2"	9"	6 3/4"	12 #		COMBINED WEIGHT OF COMPONENTS				10,000#	APPROXIMATELY	COMBINED VOLUME OF COMPONENTS				4300 cu. ft.	"	SHIP TONNAGE		
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SCR-566 USES RECEIVER DC-639 FOR D/F. CONTAINS COMPONENTS OF SCR-522 FOR COMMUNICATION WITH AIRCRAFT. RADIO COMPONENTS ALSO OPERATE FROM STORAGE BATTERY POWER. D/F ANTENNA IS USED FOR BOTH D/F AND COMMUNICATION.

*TUBES: (TYPE AND NUMBER) 1 DC-625-A1 1 9002; 3 9003; 1 12J5GT; 1 12CB; 3 12SB7; 1 12AH7GT. 1 DC-639-A1 1 6046; 3 12AB; 2 632-A1 2 6557. 1 DC-639 - 3 9003; 1 9002; 4 6247; 1 6060T. 1 DC-655 - 1 952; 1 476T.

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 ANTENNAS: 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 (FIXED) POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 5-80-687; 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 155 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-35; 1 TON TRACTOR TRUCK; 1 TON CARGO TRAILER. TYPE OF SIGNAL:																																																																																	
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			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th><th colspan="3">DIMENSIONS</th><th rowspan="2">WEIGHT</th><th rowspan="2">CLASSIFICATION</th></tr> <tr> <th>HEIGHT</th><th>WIDTH</th><th>DEPTH</th></tr> </thead> <tbody> <tr> <td>3 Control Units RM-25-Each</td><td>20"</td><td>11 1/2"</td><td>11 1/2"</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-25 Each</td><td>14 1/2"</td><td>12"</td><td>7"</td><td>35#</td><td></td></tr> <tr> <td>3 Switchboards SD-72 Each</td><td>12"</td><td>12"</td><td>8 1/2"</td><td>48#</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>1 Trailer K-35</td><td>120"</td><td>96"</td><td>25 1/2"</td><td>6500#</td><td></td></tr> <tr> <td>1 One-Ton Cargo Trailer (Power)</td><td>72"</td><td>72"</td><td>14 1/2"</td><td>2660#</td><td></td></tr> <tr> <td>1 One-and-One-Half Ton Tractor Truck</td><td>84"</td><td>84"</td><td>20 1/2"</td><td>8000#</td><td></td></tr> <tr> <td>3 Relay Unit RC-687</td><td>9"</td><td>19"</td><td>12 1/2"</td><td>35#</td><td></td></tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td><td>20,000 LBS.</td><td></td></tr> <tr> <td colspan="4">COMBINED VOLUME:</td><td>5,000 CU. FT.</td><td></td></tr> <tr> <td colspan="4">SHIP TONNAGE:</td><td>10 TONS</td><td></td></tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	3 Control Units RM-25-Each	20"	11 1/2"	11 1/2"	44#		2 Control Units RM-26 Each	11 7/8"	9"	8"	20#		1 Control Unit RM-25 Each	14 1/2"	12"	7"	35#		3 Switchboards SD-72 Each	12"	12"	8 1/2"	48#		20 Telephone Repeaters EE-99	8"	14 1/2"	11 1/2"	47#		1 Trailer K-35	120"	96"	25 1/2"	6500#		1 One-Ton Cargo Trailer (Power)	72"	72"	14 1/2"	2660#		1 One-and-One-Half Ton Tractor Truck	84"	84"	20 1/2"	8000#		3 Relay Unit RC-687	9"	19"	12 1/2"	35#		COMBINED WEIGHT OF COMPONENTS:				20,000 LBS.		COMBINED VOLUME:				5,000 CU. FT.		SHIP TONNAGE:				10 TONS	
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(1) CONTROL UNIT RM-25, part of CONTROL SET SCR-572, installed for operation. (2) CONTROL UNIT RM-25-A, bottom view of chassis

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 A 90 WITH THE AIRCRAFT OPERATOR. THIS SET AND SO CONTAINS FACILITIES FOR PLOTTING DATA RECEIVED FROM THE D/F STATION SCR-573.

THIS SHEET IS CLASSIFIED: **RESTRICTED**

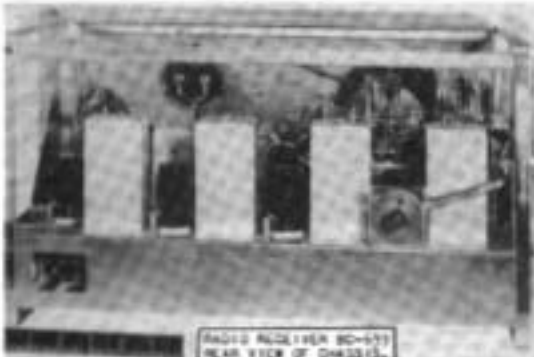
SCR-573		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD TO RW-43		INSTRUCTIONAL LITERATURE:	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MC) 100-156 NUMBER OF CRYSTALS: 2 IN USE (FULL XTAL COMPLEMENT TO BE DETERMINED BY AAF). PRESET FREQUENCIES: 2 ANTENNA: VERTICAL DIPOLE MOUNTED ON 76' MAST. TUNING: (MC OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: POWER UNIT PC-99 (75 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 TUNES: (TYPE AND NUMBER) 2-80610 TRANS; 16-523; 8-523; 6-1613; 4-111; 2-807; 10-19-253. 1-PCA #135 OSCILLATOR; 2-PCA; 2-80; 1-65L; 1-161/908-PT; 1-PCA #135 VOLTOMETER; 2-808T; 1-8050T.				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-57L, 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.				 RADIO SET SCR-573 (RADIO TRANSMITTING STATION) PART OF NET CONTROL SYSTEM SCS-3, SHOWING TRAILER K-53 ATTACHED TO TRUCK K-53, PREPARED FOR TRAVELLING.			
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	164	2,600	RESTRICTED					
2 TRANS. BC-610 EACH		72	21	20	515	RESTRICTED					
1 CONTROL UNIT RW-27		11 3/8	19	10 1/2	29	RESTRICTED					
1 ANTENNA AN-86		PACKED IN 5 PACKAGES APPROX.			743	RESTRICTED					
2 ANTENNA EQUIP. BC-61 EACH		12	28	38	4	RESTRICTED					
COMBINED WEIGHT OF COMPONENTS:					17,500# APPROX.						
COMBINED VOLUME:					3,875 CU. FT. APPROX.						
SHIP TONNAGE:					8 3/4 T APPROX.						



RADIO SET SCR-575, INTERIOR VIEW SHOWING RADIO TRANSMITTERS BC-610 AND CONTROL UNIT RW-27.

RADIO SET SCR-575 (RADIO TRANSMITTING STATION) IS SIMILAR IN OPERATION TO RADIO SET SCR-562, EXCEPT THAT IT CONTAINS TWO TRANSMITTERS BC-610 INSTEAD OF A TOTAL OF SIX.

THIS SHEET IS CLASSIFIED: **RESTRICTED**

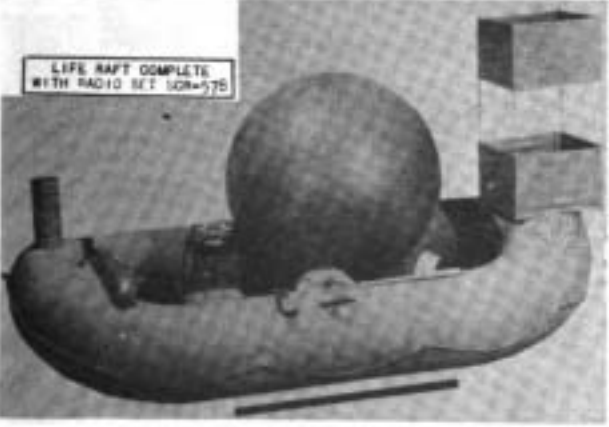
INSTRUCTIONAL LITERATURE	STATUS	STANDARD ED 104 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION
	CHANGE IN STATUS:			SCR-574
 RADIO RECEIVER SC-655 REAR VIEW OF CHASSIS.	PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MC) 100-156 NUMBER OF CRYSTALS: 2 IN USE (FULL COMPLEMENT TO BE DETERMINED BY AAF). PRESET FREQUENCIES: VARIABLE (DIAL SETTING CHECKED WITH CRYSTAL CONTROLLED FREQUENCY METER.) ANTENNA: VERTICAL DIPOLE MOUNTED ON 75' MAST. TUNING: (MC OR KTL) SENSITIVITY: 2-3 mV/METER AT 50 MM SIGNAL RATIO TO 1. SELECTIVITY: 2 TIMES DOWN LESS 100 Hz. 1000 TIMES DOWN MORE 350 Hz. POWER SOURCE: POWER UNIT PC-99 (75 KVA 110V 3 PHASE 50 CYCLE); ALSO HAS PROVISIONS FOR BEING SUPPLIED WITH POWER FROM A 170V 2 WIRE SERVICE. SIMILAR SETS: RECEIVER STATION OF SCR-567 POWER OUTPUT: (WATTS) RECEIVER SC-659 1 watt (distorted) 1/2 W (10% distortion). TUBES: (TYPE AND NUMBER) SC-655: 1-6X4; 1-6X5; 1-6X6; 1-6X7; 1-6X8; 1-6X9; 1-6X10; 1-6X11; 1-6X12; 1-6X13; 1-6X14; 1-6X15; 1-6X16; 1-6X17; 1-6X18; 1-6X19; 1-6X20; 1-6X21; 1-6X22; 1-6X23; 1-6X24; 1-6X25; 1-6X26; 1-6X27; 1-6X28; 1-6X29; 1-6X30; 1-6X31; 1-6X32; 1-6X33; 1-6X34; 1-6X35; 1-6X36; 1-6X37; 1-6X38; 1-6X39; 1-6X40; 1-6X41; 1-6X42; 1-6X43; 1-6X44; 1-6X45; 1-6X46; 1-6X47; 1-6X48; 1-6X49; 1-6X50; 1-6X51; 1-6X52; 1-6X53; 1-6X54; 1-6X55; 1-6X56; 1-6X57; 1-6X58; 1-6X59; 1-6X60; 1-6X61; 1-6X62; 1-6X63; 1-6X64; 1-6X65; 1-6X66; 1-6X67; 1-6X68; 1-6X69; 1-6X70; 1-6X71; 1-6X72; 1-6X73; 1-6X74; 1-6X75; 1-6X76; 1-6X77; 1-6X78; 1-6X79; 1-6X80; 1-6X81; 1-6X82; 1-6X83; 1-6X84; 1-6X85; 1-6X86; 1-6X87; 1-6X88; 1-6X89; 1-6X90; 1-6X91; 1-6X92; 1-6X93; 1-6X94; 1-6X95; 1-6X96; 1-6X97; 1-6X98; 1-6X99; 1-6X100; 1-6X101; 1-6X102; 1-6X103; 1-6X104; 1-6X105; 1-6X106; 1-6X107; 1-6X108; 1-6X109; 1-6X110; 1-6X111; 1-6X112; 1-6X113; 1-6X114; 1-6X115; 1-6X116; 1-6X117; 1-6X118; 1-6X119; 1-6X120; 1-6X121; 1-6X122; 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1-6X1017; 1-6X1018; 1-6X1019; 1-6X1020; 1-6X1021; 1-6X1022; 1-6X1023; 1-6X1024; 1-6X1025; 1-6X1026; 1-6X1027; 1-6X1028; 1-6X1029; 1-6X1030; 1-6X1031; 1-6X1032; 1-6X1033; 1-6X1034; 1-6X1035; 1-6X1036; 1-6X1037; 1-6X1038; 1-6X1039; 1-6X1040; 1-6X1041; 1-6X1042; 1-6X1043; 1-6X1044; 1-6X1045; 1-6X1046; 1-6X1047; 1-6X1048; 1-6X1049; 1-6X1050; 1-6X1051; 1-6X1052; 1-6X1053; 1-6X1054; 1-6X1055; 1-6X1056; 1-6X1057; 1-6X1058; 1-6X1059; 1-6X1060; 1-6X1061; 1-6X1062; 1-6X1063; 1-6X1064; 1-6X1065; 1-6X1066; 1-6X1067; 1-6X1068; 1-6X1069; 1-6X1070; 1-6X1071; 1-6X1072; 1-6X1073; 1-6X1074; 1-6X1075; 1-6X1076; 1-6X1077; 1-6X1078; 1-6X1079; 1-6X1080; 1-6X1081; 1-6X1082; 1-6X1083; 1-6X1084; 1-6X1085; 1-6X1086; 1-6X1087; 1-6X1088; 1-6X1089; 1-6X1090; 1-6X1091; 1-6X1092; 1-6X1093; 1-6X1094; 1-6X1095; 1-6X1096; 1-6X1097; 1-6X1098; 1-6X1099; 1-6X1100; 1-6X1101; 1-6X1102; 1-6X1103; 1-6X1104; 1-6X1105; 1-6X1106; 1-6X1107; 1-6X1108; 1-6X1109; 1-6X1110; 1-6X1111; 1-6X1112; 1-6X1113; 1-6X1114; 1-6X1115; 1-6X1116; 1-6X1117; 1-6X1118; 1-6X1119; 1-6X1120; 1-6X1121; 1-6X1122; 1-6X1123; 1-6X1124; 1-6X1125; 1-6X1126; 1-6X1127; 1-6X1128; 1-6X1129; 1-6X1130; 1-6X1131; 1-6X1132; 1-6X1133; 1-6X1134; 1-6X1135; 1-6X1136; 1-6X1137; 1-6X1138; 1-6X1139; 1-6X1140; 1-6X1141; 1-6X1142; 1-6X1143; 1-6X1144; 1-6X1145; 1-6X1146; 1-6X1147; 1-6X1148; 1-6X1149; 1-6X1150; 1-6X1151; 1-6X1152; 1-6X1153; 1-6X1154; 1-6X1155; 1-6X1156; 1-6X1157; 1-6X1158; 1-6X1159; 1-6X1160; 1-6X1161; 1-6X1162; 1-6X1163; 1-6X1164; 1-6X1165; 1-6X1166; 1-6X1167; 1-6X1168; 1-6X1169; 1-6X1170; 1-6X1171; 1-6X1172; 1-6X1173; 1-6X1174; 1-6X1175; 1-6X1176; 1-6X1177; 1-6X1178; 1-6X1179; 1-6X1180; 1-6X1181; 1-6X1182; 1-6X1183; 1-6X1184; 1-6X1185; 1-6X1186; 1-6X1187; 1-6X1188; 1-6X1189; 1-6X1190; 1-6X1191; 1-6X1192; 1-6X1193; 1-6X1194; 1-6X1195; 1-6X1196; 1-6X1197; 1-6X1198; 1-6X1199; 1-6X1200; 1-6X1201; 1-6X1202; 1-6X1203; 1-6X1204; 1-6X1205; 1-6X1206; 1-6X1207; 1-6X1208; 1-6X1209; 1-6X1210; 1-6X1211; 1-6X1212; 1-6X1213; 1-6X1214; 1-6X1215; 1-6X1216; 1-6X1217; 1-6X1218; 1-6X1219; 1-6X1220; 1-6X1221; 1-6X1222; 1-6X1223; 1-6X1224; 1-6X1225; 1-6X1226; 1-6X1227; 1-6X1228; 1-6X1229; 1-6X1230; 1-6X1231; 1-6X1232; 1-6X1233; 1-6X1234; 1-6X1235; 1-6X1236; 1-6X1237; 1-6X1238; 1-6X1239; 1-6X1240; 1-6X1241; 1-6X1242; 1-6X1243; 1-6X1244; 1-6X1245; 1-6X1246; 1-6X1247; 1-6X1248; 1-6X1249; 1-6X1250; 1-6X1251; 1-6X1252; 1-6X1253; 1-6X1254; 1-6X1255; 1-6X1256; 1-6X1257; 1-6X1258; 1-6X1259; 1-6X1260; 1-			

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 SC-625; 4 IN SC-625; 5 IN SC-630. PRESET FREQUENCIES: 4 EACH RECEIVING AND TRANSMITTING. ANTENNA: ROTATABLE AIRBORNE D/F WITH SENSE FACILITIES. TUNING: (MC 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-59 AND STORAGE BATTERIES; ALSO OPERATES FROM COMMERCIAL POWER 110V, 2 WIRE. SIMILAR SETS: SCR-566 AND SCR-645 (FIXED). POWER OUTPUT: (WATTS) COMMUNICATIONS TRANSMITTERS 5 WATTS MINIMUM. TUBES: (TYPE AND NUMBER) SC-630: 1-6X6GT, 1-6X6GT; 1-900Z, 1-900Z; 4-6X6GT, RA-62; 1-5V6, SC-630; 1-900Z; 2-900Z; 1-5V6, 1-5V6; 1-6X6GT, 1-6X6GT; SC-630: 1-900Z; 3-900Z; 1-12X6GT; 1-1200; 1-12AM7BT; 1-1250T, SC-625: 2-632; 3-12A6; 1-666A; 2-663T; SC-625: 4-25L6GT, SC-93: 1-950; 1-1A5GT.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: MOBILE DIRECTION FINDING STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SC-5. USES AS D/F STATION FOR OBTAIN- ING BEARINGS ON AIRCRAFT EQUIPPED WITH RADIO SET SCR-582 FOR PURPOSES OF HOMING AND D/F PLOTTING. RANGE: (MILES) MINIMUM OF 150 MILES WITH AIRCRAFT AT 10,000 FT. TO COMMUNICATE WITH: FIGHTER AIRCRAFT EQUIPPED WITH SCR-582. TO REPLACE IN PART: NONE TRANSPORTATION: 1 TRUCK K-55, 1 TRAILER K-65 (POWER) TYPE OF SIGNAL: RECEIVER VOICE, TONE MODULATED AND C.W. TRANSMITS VOICE MODULATION.		 PANEL OF RADIO RECEIVER SC-630, PART OF RADIO SET SCR-575.	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)					
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
1 TRUCK K-55	130"	90"	254"	13,500#	RESTRICTED
1 TRAILER K-65 (POWER)	72	72	144	2,600#	RESTRICTED
2 RECEIVERS SC-630 EACH	10 1/2	19	13 1/2	56#	RESTRICTED
2 RECEIVERS RA-62 EACH	7	19	6 1/2	26#	RESTRICTED
1 FREQUENCY METER SC-630	11 1/2	19	7	35#	RESTRICTED
1 RECEIVER SC-625	6	15 1/2	9	14#	RESTRICTED
1 TRANSMITTER SC-625	6	15 1/2	9	14#	RESTRICTED
1 ANTENNA EQUIPMENT SC-153				190#	RESTRICTED
1 OSCILLATOR TEST EQUIPMENT SC-93	10 1/2	9	6 3/4	12#	RESTRICTED
1 DYNAMOTOR UNIT PE-59	7	13	9	56#	RESTRICTED
1 FUSE PANEL PH-15	3	19	3	24#	RESTRICTED
1 FUSE PANEL PH-5	2 1/2	19	4 5/8	15#	RESTRICTED
1 DYNAMOTOR UNIT PE-100	6	19	10 1/2	23#	RESTRICTED
1 CONTROL UNIT RA-58	3	19	8 3/4	14#	RESTRICTED
1 CONTROL PANEL PH-23	6 1/4	19	7	14#	RESTRICTED
1 RELAY UNIT SC-607	9	19	12 1/2	4#	RESTRICTED
COMBINED WEIGHT OF COMPONENTS:				16,500#	APPROX.
COMBINED VOLUME OF COMPONENTS:				2,272 cu. ft.	APPROX.
SHIP TONNAGE:				0 1/4 T	APPROX.

THE COMPONENTS OF RADIO SET SCR-575 INCLUDE 2 RECEIVERS, SC-630, FOR D/F PURPOSES; 1 RECEIVER, SC-625, AND 1 TRANSMITTER SC-625, FOR COMMUNICATIONS. ALL SETS USE THE ONE D/F ANTENNA WITH AUTOMATIC ANTENNA SWITCHING.

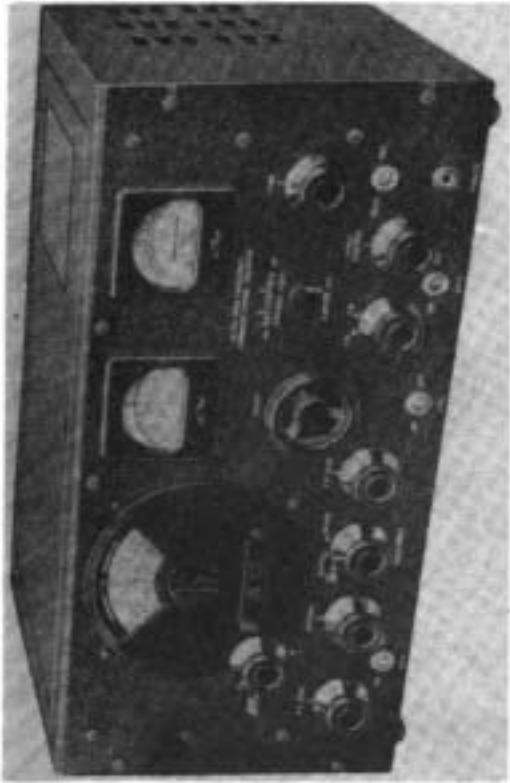


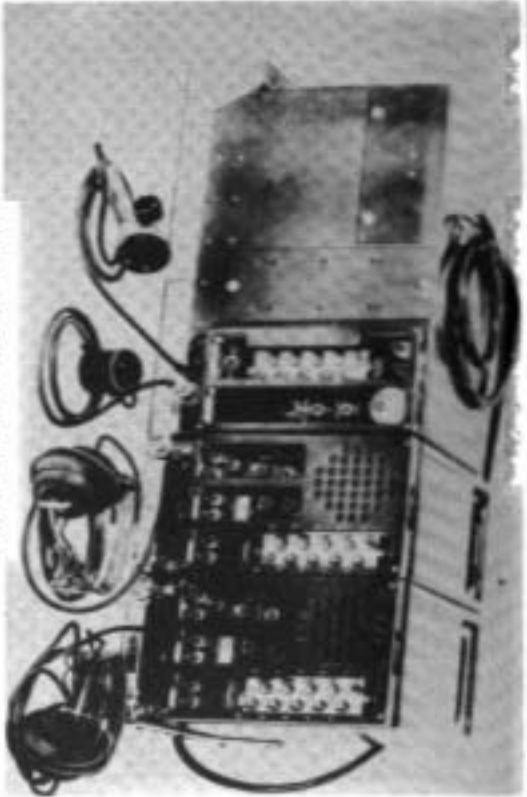
RADIO SET SCR-575 (RADIO DIRECTION FINDING STATION) ANTENNA EQUIPMENT SC-153 RAISED IN POSITION.

INSTRUCTIONAL LITERATURE: AN 06-10-94	STATUS: CHANGE IN STATUS:	STATED: 1 Feb 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-578																																																																												
 RADIO SET SCR-578, COMPONENTS. GENERATOR M-775-A (HYDROGEN) BALLOON M-275-A (IMPLATED) KITE M-277-A (LARGE) RADIO TRANSMITTER M-775-C SIGNAL LAMP M-308-B			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MC) INTERNATIONAL DISTRESS FREQUENCY 500 MODULATED AT 1000 OPS. NUMBER OF CRYSTALS: None PRESET FREQUENCIES: PRETUNED TO 500 MC. ANTENNA: 300 FT. ANTENNA WIRE M-148, WOUND ON REEL RL-48 AND RAISED BY BALLOON M-275-A OR KITE M-277-A. TUNING: (MC OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: BUILT-IN GENERATOR, OPERATED BY HAND CRANK QC-10-A. SIMILAR SETS: CAPTURED GERMAN "NOT-SCHEN". POWER OUTPUT: (WATTS) 4.8 TUBES: (TYPE AND NUMBER) 1 - 6C 775-B TRANS		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: PORTABLE TRANSMITTER USED IN RUBBER DINGHIES FOR SEA-RESCUE PURPOSES. SHAPED TO FIT BETWEEN THE KNEES OF AN OPERATOR. IT IS WATERTIGHT AND WILL FLOAT. RANGE: (MILES) 200 (TO AIRCRAFT AT 2000 FT.). TO COMMUNICATE WITH: SCR-187, SCR-287, RADIO COMPASS SCR-269. TO REPLACE IN PART: TRANSPORTATION: AIRCRAFT (PORTABLE TRANS. USED FOR SEA-RESCUE). TYPE OF SIGNAL: MCW (1000 OPS) AUTOMATIC S.O.S. AND MANUAL KEYING ON FIXED DISTRESS FREQUENCY 500 MBS.																																																																											
 LIFE RAFT COMPLETE WITH RADIO SET SCR-578			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION) <table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th>WEIGHT</th> <th>CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>2 ROLLS - 300 FT. EA ANTENNA WIRE M-148</td> <td>---</td> <td>---</td> <td>---</td> <td>1.1</td> <td></td> </tr> <tr> <td>1 BAG - HOUSING FOR ACCESSORIES QC-10</td> <td>39 1/2"</td> <td>7" Dia.</td> <td>---</td> <td>3.2</td> <td></td> </tr> <tr> <td>1 BAG - HOUSING FOR TRANSMITTER QC-110</td> <td>---</td> <td>---</td> <td>---</td> <td>1.4</td> <td></td> </tr> <tr> <td>2 BALLOONS M-275</td> <td>---</td> <td>---</td> <td>---</td> <td>2.4</td> <td></td> </tr> <tr> <td>1 HAND CRANK QC-10</td> <td>---</td> <td>---</td> <td>---</td> <td>.45</td> <td></td> </tr> <tr> <td>2 GENERATORS M-775 (HYDROGEN)</td> <td>---</td> <td>---</td> <td>---</td> <td>5.92</td> <td></td> </tr> <tr> <td>2 BALLOON IMPLANTING TUBES</td> <td>---</td> <td>---</td> <td>---</td> <td>1.6</td> <td></td> </tr> <tr> <td>1 KITE M-277</td> <td>---</td> <td>---</td> <td>---</td> <td>1.45</td> <td></td> </tr> <tr> <td>1 RADIO TRANSMITTER QC-775</td> <td>30 1/2"</td> <td>9 1/2"</td> <td>9"</td> <td>15.1</td> <td></td> </tr> <tr> <td>1 SIGNAL LAMP M-308</td> <td>---</td> <td>---</td> <td>---</td> <td>.2</td> <td></td> </tr> <tr> <td>1 PARACHUTE M-276</td> <td>---</td> <td>---</td> <td>---</td> <td>1.0</td> <td></td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	2 ROLLS - 300 FT. EA ANTENNA WIRE M-148	---	---	---	1.1		1 BAG - HOUSING FOR ACCESSORIES QC-10	39 1/2"	7" Dia.	---	3.2		1 BAG - HOUSING FOR TRANSMITTER QC-110	---	---	---	1.4		2 BALLOONS M-275	---	---	---	2.4		1 HAND CRANK QC-10	---	---	---	.45		2 GENERATORS M-775 (HYDROGEN)	---	---	---	5.92		2 BALLOON IMPLANTING TUBES	---	---	---	1.6		1 KITE M-277	---	---	---	1.45		1 RADIO TRANSMITTER QC-775	30 1/2"	9 1/2"	9"	15.1		1 SIGNAL LAMP M-308	---	---	---	.2		1 PARACHUTE M-276	---	---	---	1.0	
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RADIO SET SCR-578, CARRIED BY EQUIPMENT AND RECONNAISSANCE AIRCRAFT, ALSO BY SOME AIR TRANSPORT COMMAND AIRCRAFT, OVER-WATER FLIGHTS.			COMBINED WEIGHT OF COMPONENTS: 35# APPROX. COMBINED VOLUME: 3 TO 4 CU. FT. APPROX. SHIP TONNAGE:																																																																													

SCR-583		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS	STANDARD 1 Feb 45	INSTRUCTIONAL LITERATURE			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)			CHANGE IN STATUS					
FREQUENCY RANGE: (MC) 2.2 - 4.6 NUMBER OF CRYSTALS: 4 PRESET FREQUENCIES: 4 ANTENNA: "FISHPOLE" MOUNTING 5', STATIONARY 20'. TUNING: (MC OR XTAL) BOTH SENSITIVITY: SELECTIVITY: POWER SOURCE: DRY BATTERY FOR RECEIVER, AND HAND GENERATOR FOR TRANSM., OR VEHICLE BATTERY, 5 OR 12 V., FOR TRANSMITTER AND RECEIVER. SIMILAR SETS: POWER OUTPUT: (Watts) TUBES: (Type and Number) 1 RECVR. = 1 100 1 TRANS. = 1 100 1 105 1 TS-70 1 105-30 1 TS 1 TS			USE: CNO, MYR, MUR, & HORSE FOR UNITS. RANGE: (MILES) 35 MILES ON LOW POWER CW, MAXIMUM 60 MILES ON HIGH POWER CW. TO COMMUNICATE WITH: TO REPLACE IN PART: SCR-205 TRANSPORTATION: MOUNTED ON VEHICLE. TYPE OF SIGNAL: CW; VOICE (AM)			 RADIO SET SCR-583 - PREPARED FOR FIELD OPERATION TO RECEIVE AND TRANSMIT ON THE 20' STATIONARY ANTENNA, AND VOICE TRANSMISSION ON THE POWER SOURCE.					
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)											
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION						
	HEIGHT	WIDTH	DEPTH								
RADIO RECVR. & TRANS. DC-1209 POWER UNIT PE-152 POWER CONVERTER UNIT PE-154 GENERATOR GV-56					UNCLASSIFIED						
COMBINED WEIGHT OF COMPONENTS				120#							
COMBINED VOLUME				24 cu. ft.							
SHIP TONNAGE											

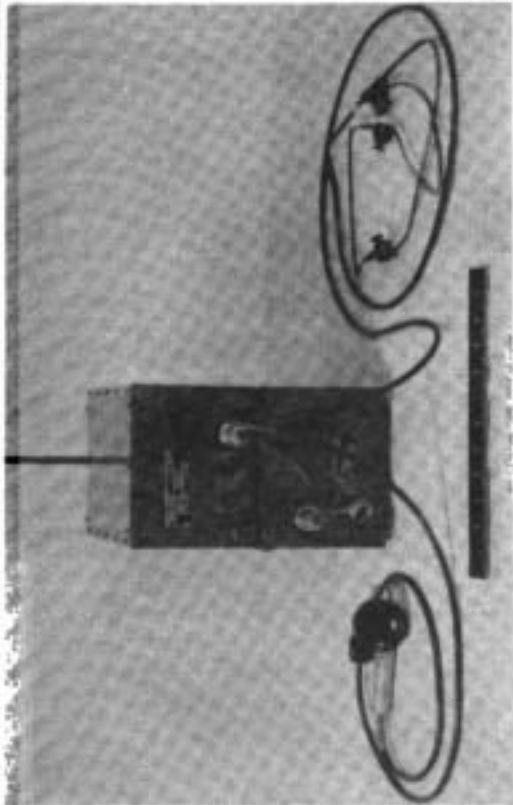
INSTRUCTIONAL LITERATURE (REF) LE-12-125 (see SCR-585-A)	STATUS	LIMITED STANDARD 7 Dec 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION SCR-585		
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)		
 EACH UNIT 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.			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MC) 3.5 - 6 (RECEPTION & TRANSMISSION) SEE REMARKS. NUMBER OF CRYSTALS: 2 PRESET FREQUENCIES: 1 CAL. TRANSMITTING & RECEIVING ANTENNA: TELESCOPIIC ANTENNA 39" LONG. TUNING: (MC OR XTAL) CRYSTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: SELF CONTAINED - "A" BATTERY 8A-37 (1.5 V), "B" BATTERY 8A-38 (105.5 V). SIMILAR SETS: SCR-556 POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 1 - 8C - 721-A 2 - 1R5 1 - 1T6 2 - 3N6	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: DUAL PURPOSE RADIO RECEIVER AND TRANSMITTER, DESIGNED FOR TWO-WAY CONVERSATION. TO BE USED IN TONED SLIDERS 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)						
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH		
Radio Receiver and Transmitter 8C-721-B		6	5 1/2	17 1/16	6.0	
Radio Control Box 8C-722-B		1 13/16	5 7/8	3 1/4	.87	
Control Shaft MC-355-B		---	---	---	.5	
Mounting FT-295-B		---	---	---	3.5	
NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLE AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.						
COMBINED WEIGHT OF COMPONENTS:					11 1/2# APPROX.	
COMBINED VOLUME:					2 cu. ft. APPROX.	
SHIP TONNAGE:						

INSTRUCTIONAL LITERATURE:	STATUS:	SUBSTITUTE STANDARD 29 May 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-607				
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MHz) 27-- 145. NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: 5 TUBES, HORIZONTAL DIAPHRAGM (1 FOR EACH OF THE 3 BANDS OF RECEIVER) MOUNTED ON 21-1/2" BAW. TUNING: (MD OR XTAL) DOES NOT APPLY SENSITIVITY: SELECTIVITY: POWER SOURCE: 110V A.C. SIMILAR SETS: None POWER OUTPUT: (WATTS) DOES NOT APPLY TUBES: (TYPE AND NUMBER) 2 VT-50 1 VT-121 1 VT-56 1 VT-179 2 VT-107 1 VT-165 2 VT-112 1 VT-165 1 VT-117 1 VT-179 1 VT-120 1 VT-258		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: AN INTERCEPT RECEIVER FOR MONITORING PURPOSES. RANGE: DOES NOT APPLY TO COMMUNICATE WITH: DOES NOT APPLY TO REPLACE IN PART: None TRANSPORTATION: ANY AVAILABLE VEHICLE. TYPE OF SIGNAL: Receiver AM and FM.			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)								
 FRONT VIEW OF RADIO RECEIVER SC-787, PART OF RADIO SET SC-607. RADIO SET SC-607 IS A MODIFIED COMMERCIAL HALLICRAFTERS MODEL B-27 OR B-34 RADIO RECEIVER.			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
				HEIGHT	WIDTH	DEPTH		
			RECEIVER SC-787	9 3/8"	19"	14"	65#	
			ANTENNA SC-114	36"	-----	-----	200#	
			COMBINED WEIGHT OF COMPONENTS:					
			COMBINED VOLUME OF COMPONENTS:					
			SHIP TONNAGE:					

SCR-608		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD 25 Sep 41		INSTRUCTIONAL LITERATURE: TM 11-620			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MC) 27.0 - 30.5 NUMBER OF CRYSTALS: 120 PRESET FREQUENCIES: 10 (Push-Button Selection) ANTENNA: FISHPOLE TYPE. TUNING: (MC OR KTL) CRYSTAL. SENSITIVITY: SENSITIVITY: POWER SOURCE: 12 OR 24 v. VEHICLE BATTERY WITH CONVERSION. SIMILAR SETS: SCR-505- (EXCEPT FREQUENCY RANGE) POWER OUTPUT: (WATTS) 35 TUBES: (Type and Number) 6C-605-(A) Rectifier 3 Type 6AC-7; 1 Type 6AL5; 2 Type 12-307; 1 Type 6BD; 1 Type 6BD1; 2 Type 6 SL257. 6C-605-(A) Transmitter 7 Type 1A5; 1 Type 1A6.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: USED BY FIELD ARTILLERY, SIGNAL CORPS. RANGE: (MILES) 10 TO 15 MILES. TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610; SCR-625. TO REPLACE IN PART: SCR-161; SCR-255; SCR-156; SCR-388. TRANSPORTATION: VEHICLE. TYPE OF SIGNAL: FM; VOICE ONLY.				CHANGE IN STATUS:					
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)													
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION	 SCR-608 SET FOR OPERATION BY NEW RADIO OPERATOR. INCLUDES THE REMOTE CONTROL UNIT (SCR-505) TO PERMIT COMMUNICATION WITH THE REMOTE CONTROL.						
		HEIGHT	WIDTH	DEPTH									
1 Radio Trans. 6C-605					67#								
2 Radio Recv. 6C-605					75# (55# max.)								
1 Mounting FT-237					14#								
1 Remote Control Unit RM-29					15#								
COMBINED WEIGHT OF COMPONENTS					304#								
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: (MHz) 27.0 - 38.9 NUMBER OF CRYSTALS: 120 PRESET FREQUENCIES: Two pre-set XTAL controlled channels. ANTENNA: FISHPOLE TYPE. AM-29-C AND VEHICULAR WHIP. TUNING: (MD OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: DRY BATTERIES; POWER UNIT PE-117 SIMILAR SETS: SCR-609 (EXCEPT FOR ADDED POWER PACK) POWER OUTPUT: (Watts) 2 TUNES: (TYPE AND NUMBER) 1 BC-659 USEM; 5 1LM5; 2 1299; 4 1299; 1 1LM6; 1 1296; 1 1LM6; 1 PE-117 USEM; 1 VR-90-30; 1 CR1005.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: CDS; Smoke Gen Cpl; FA; Liaison Officers; FORWARD OBSERVERS, AND FOR INTRA-BATTERY AND INTRA-SG. 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 OR FOOT. TYPE OF SIGNAL: VOICE (FM)				CHANGE IN STATUS: RADIO SET SCR-610, SET UP FOR MOBILE OPERATION RADIO SET SCR-610 IS A PORTABLE SET, CAPABLE OF BEING CARRIED IN VEHICLE OR FIELD ARTILLERY, ALSO PORTABLE AS ONE-MAN LOAD. OPERATION DOES NOT REQUIRE RADIO SHED-TALIBTS. REMOTE CONTROLLED.			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)											
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION					
		HEIGHT	WIDTH	DEPTH							
RECV. & 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:											



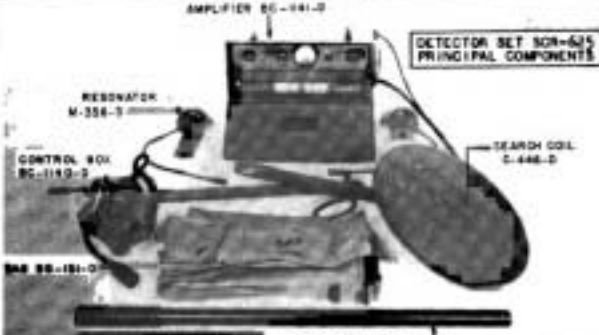
INSTRUCTIONAL LITERATURE:	STATUS:	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-619																																	
	CHANGE IN STATUS:																																			
 RADIO SET SCR-619 SET UP FOR FIELD OPERATION. Radio Set SCR-619 is classified as Restricted Type; Development Type; Limited Production Type, for production of service test models after test of experimental laboratory model shown in illustration.		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																
		FREQUENCY RANGE: (MHz) 27 - 30.9 NUMBER OF CRYSTALS: 22 PRESET FREQUENCIES: 2 ANTENNA: TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: SIMILAR SETS: SCR-609; SCR-610. POWER OUTPUT: (WATTS) 2 TUBES: (TYPE AND NUMBER) 6 1A5 1 1R5 2 6X4 1 6X5		USE: FIELD ARTILLERY. RANGE: (MILES) Approx. 5 TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-626. TO REPLACE IN PART: SCR-609; SCR-610. TRANSPORTATION: Man Carried, Animal Pack, or Field Artillery Vehicle. TYPE OF SIGNAL: Voice, (FM)																																
		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 colspan="6" style="text-align: center;">(IN DEVELOPMENT STAGE - COMPONENTS NOT YET DEFINITELY DETERMINED)</td> </tr> <tr> <td colspan="2">COMBINED WEIGHT OF COMPONENTS:</td> <td colspan="2">NOT TO EXCEED</td> <td>25#</td> <td></td> </tr> <tr> <td colspan="2">COMBINED VOLUME:</td> <td colspan="2"></td> <td></td> <td></td> </tr> <tr> <td colspan="2">SHIP TONNAGE:</td> <td colspan="2"></td> <td></td> <td></td> </tr> </tbody> </table>		ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	(IN DEVELOPMENT STAGE - COMPONENTS NOT YET DEFINITELY DETERMINED)						COMBINED WEIGHT OF COMPONENTS:		NOT TO EXCEED		25#		COMBINED VOLUME:						SHIP TONNAGE:					
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THIS SHEET IS CLASSIFIED **RESTRICTED**

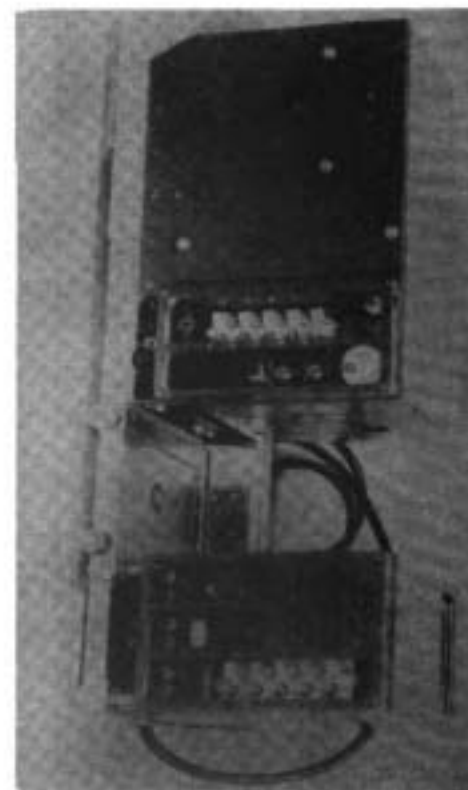
SCR-624		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS:	STANDARD 31 May 43	INSTRUCTIONAL LITERATURE: (HMC) AN 08-10-105 (en SCR-624-A)		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 300 - 556 NUMBER OF CRYSTALS: 8 PRESET FREQUENCIES: 4 PRESET CHANNELS, BOTH TRANS. & RECV. 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) 1-6C6 (SOLA RECTIFY); 1-12J507; 1-120B; 1-9002; 3-9003; 1-12AR7; 3-12AR7; 1-6C6 (SOLA RECTIFY); 2-652; 3-12A6; 1-6050; 2-6057. 1-6A 5K RECTIFYING ; 2-5A40; 1-6A5 01.			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: POINT-TO-POINT OR 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"	154 #						
1 CHEST CH-172-A	34"	16 3/4"	13 3/4"	205 #						
1 CHEST CH-170-A	47 1/4"	16 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"	15 1/2"	11"	45 #						
1 POWER UNIT PC-75	36"	19 1/2"	26 1/2"	502 #						
COMBINED WEIGHT OF COMPONENTS:				1020 Lbs.						
COMBINED VOLUME OF COMPONENTS:										
SHIP TONNAGE:										

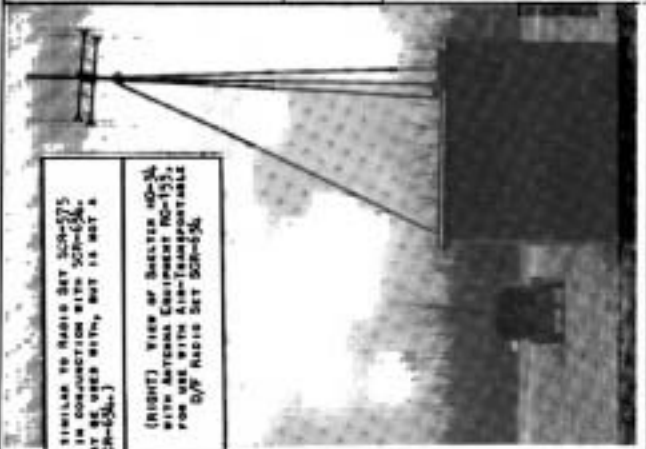
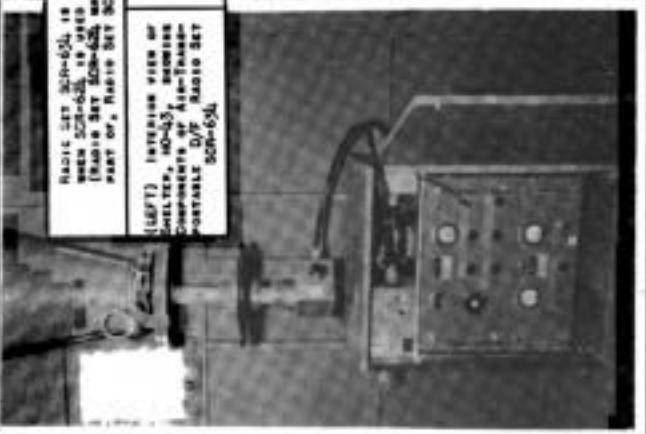
RADIO SET SCR-624, SET UP FOR OPERATION.

THIS SHEET IS CLASSIFIED **RESTRICTED**

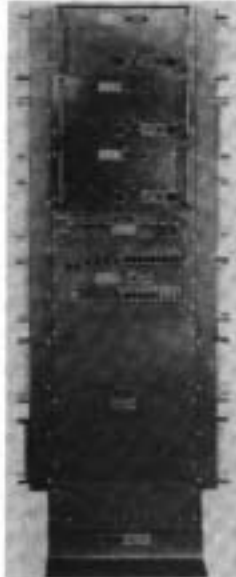
INSTRUCTIONAL LITERATURE: TM 11-1122 (SCR-625-A, B, C, D, E)	STATUS: CHANGE IN STATUS	STANDARD 22 Sep 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-625																																																																
 AMPLIFIER SC-114-D DETECTOR SET SCR-625 PRINCIPAL COMPONENTS RESONATOR M-356-D CONTROL BOX SC-114-D SEARCH COIL C-446-D HANDLE M-350-D			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MHz) NUMBER OF CRYSTALS: PRESET FREQUENCIES: 1 Ro. ANTENNA: TUNING: (MD OR XTAL) MD SENSITIVITY: SELECTIVITY: POWER SOURCE: 2 EA. BATTERY BA-30; 1 EA. BATTERY BA-30. SIMILAR SETS: None POWER OUTPUT: (WATTS) TUNES: (TYPE AND NUMBER) 1ea. 1066T; 2 ea. VT-146 (1N56T) 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 WHEN ON LEFT SHOULDER OF USER.																																																																	
 DETECTOR SET SCR-625 USED FOR LOCATING ANTI-TANK AND ANTI-PERSONNEL LAND MINES. PHOTO SHOWS FRONT VIEW OF DETECTOR IN USE.			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>AMPLIFIER SC-114-D</td><td>14"</td><td>6"</td><td>5"</td><td>5#</td><td>UNCLASSIFIED</td></tr> <tr> <td>CHEST CH-156</td><td>20 1/4"</td><td>8 1/4"</td><td>15"</td><td>25#</td><td>UNCLASSIFIED</td></tr> <tr> <td>CONTROL BOX SC-114-D</td><td>7"</td><td>7"</td><td>5"</td><td>3#</td><td>UNCLASSIFIED</td></tr> <tr> <td>HANDLE M-350</td><td>25 1/2"</td><td>1 1/8" DIAMETER</td><td></td><td>12oz.</td><td>UNCLASSIFIED</td></tr> <tr> <td>RESONATOR M-356</td><td>3"</td><td>5" DIAMETER</td><td></td><td>3oz.</td><td>UNCLASSIFIED</td></tr> <tr> <td>SEARCH COIL C-446</td><td>1"</td><td>15" DIAMETER</td><td></td><td>3#</td><td>UNCLASSIFIED</td></tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td><td>50 1/2#</td><td></td></tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS:</td><td>20 1/4" x 8 1/4" x 15"</td><td>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 SC-114-D	14"	6"	5"	5#	UNCLASSIFIED	CHEST CH-156	20 1/4"	8 1/4"	15"	25#	UNCLASSIFIED	CONTROL BOX SC-114-D	7"	7"	5"	3#	UNCLASSIFIED	HANDLE M-350	25 1/2"	1 1/8" DIAMETER		12oz.	UNCLASSIFIED	RESONATOR M-356	3"	5" DIAMETER		3oz.	UNCLASSIFIED	SEARCH COIL C-446	1"	15" DIAMETER		3#	UNCLASSIFIED	COMBINED WEIGHT OF COMPONENTS:				50 1/2#		COMBINED VOLUME OF COMPONENTS:				20 1/4" x 8 1/4" x 15"	WHEN PACKED IN CH-156-	SHIP TONNAGE:					
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SCR-628		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD 29 SEP 41		INSTRUCTIONAL LITERATURE: TM 11-430			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)				CHANGE IN STATUS:					
FREQUENCY RANGE: (MHz) 27 - 38.9 NUMBER OF CRYSTALS: 120 PRESET FREQUENCIES: 10 INSTANTANEOUS SELECTION WHILE MOVING OR HALTED. ANTENNA: Fishpole type, vehicular. TUNING: (MC OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 VOLT VEHICULAR BATTERY. SIMILAR SETS: SCR-500 (DIFFERENT FREQUENCY) SCR-600 BUT WITH ONLY ONE RECEIVER. POWER OUTPUT: (WATTS) 55 TUBES: (TYPE AND NUMBER) 1 BC-685 - 1 6A7 1 BC-686 - 7 1612 2 1250T 1 6AG5 1 6X6GT 2 6SL70T				USE: OBS: Smoke Gen Co; FA; AA AND AT WARNING AND CONTROL NETS, EN. C.P., FIRE CONTROL AND FIRE-DIRECTION NETS AND INTRASERVICE COMMUNICATION. RANGE: (MILES) MOVING - 10 MILES; HALTED - 15 MILES TO COMMUNICATE WITH: SCR-600; SCR-609; SCR-610; SCR-620. TO REPLACE IN PART: SCR-194; SCR-245. TRANSPORTATION: Transported & operated in vehicle. TYPE OF SIGNAL: Voice (FM)									
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)													
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION							
		HEIGHT	WIDTH	DEPTH									
Trans. BC-686 Recvr. BC-685 Mounting FT-237 ANTENNA Mast Base MP-48 Remote Control Unit RM-29.		14"	14.5"	3 1/2"	190#								
COMBINED WEIGHT OF COMPONENTS:													
COMBINED VOLUME:													
SHIP TONNAGE:													

 FM OPERATION ON VOICE OR FREQUENCY AND NOT RADIO SPECIALISTS.
 RADIO SET SCR-628


INSTRUCTIONAL LITERATURE:	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-634																																																																											
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MC) 300 - 156 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: BY RECEIVER CALIBRATION DIAL. TRANSMITTER: SC-655 (TANNEY). ANTENNA: ADDON-DIRECTIONAL D/F WITH BENDING. TUNING: (MC OR XTAL) VARIABLE. SENSITIVITY: 2-3 MICROVOLTS/METER AT 50 MC SELECTIVITY: 2 TIMES DOWN LESS 100 KC, 1,000 TIMES DOWN MORE THAN 350 KC. 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 HANDLINE ENGINES). SIMILAR SETS: SCR-565 POWER OUTPUT: (WATTS) 1 (DISTORTED) 1/2 (10% DISTORTION). TUNES: (TYPE AND NUMBER) <table border="0"> <tr> <td>RECEIVER SC-655:</td> <td>RECTIFIER RA-42</td> </tr> <tr> <td>1 4347</td> <td>1 5X48</td> </tr> <tr> <td>1 6K6GT</td> <td></td> </tr> <tr> <td>1 9002</td> <td>TRANSMITTER SC-655, TANNEY</td> </tr> <tr> <td>1 9005</td> <td>1 958</td> </tr> <tr> <td>1 6307</td> <td>1 1A50T</td> </tr> </table>	RECEIVER SC-655:	RECTIFIER RA-42	1 4347	1 5X48	1 6K6GT		1 9002	TRANSMITTER SC-655, TANNEY	1 9005	1 958	1 6307	1 1A50T	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) 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-634 is ADDED. ALL EQUIPMENT IS HOUSED IN SHELTER HO-34-A. RANGE: DETERMINED BY OUTPUT OF AIRBORNE TRANSMITTER. TO COMMUNICATE WITH: FIGHTER AIRCRAFT EQUIPPED WITH RADIO SET SCR-522. TO REPLACE IN PART: TRANSPORTATION: DESIGNED AS AN AIR TRANSPORTABLE VHF DIRECTION FINDER STATION. TYPE OF SIGNAL: RECEIVER VOICES, TONE MODULATED SIGNAL AND C.W.																																																															
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 (RIGHT) VIEW OF SHELTER HO-34-A WITH ANTENNA EQUIPMENT HO-155-B FOR USE WITH AIR-TRANSPORTABLE D/F RADIO SET SCR-634-A.			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																																																												
 (LEFT) INTERIOR VIEW OF SHELTER HO-34-A, SHOWING COMPONENTS OF AIR-TRANSPORTABLE D/F RADIO SET SCR-634-A.			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th><th colspan="3">DIMENSIONS</th><th rowspan="2">WEIGHT</th><th rowspan="2">CLASSIFICATION</th></tr> <tr> <th>HEIGHT</th><th>WIDTH</th><th>DEPTH</th></tr> </thead> <tbody> <tr> <td>1 RECEIVER SC-655</td><td>10 1/2"</td><td>19"</td><td>13 1/4"</td><td>34#</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 HO-155-B</td><td></td><td></td><td></td><td>298#</td><td></td></tr> <tr> <td>1 TRANSMITTER SC-655 (TANNEY)</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>64 "</td><td>625#</td><td></td></tr> <tr> <td>1 CONTROL UNIT RA-38</td><td>7 3/4"</td><td>6 1/2"</td><td>4 "</td><td>5.5#</td><td></td></tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td><td>1,055 #</td><td>(APPROXIMATELY)</td></tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS:</td><td>311 Cu. Ft.</td><td>(APPROX.)</td></tr> <tr> <td colspan="4">SHIP TONNAGE:</td><td>1,055 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 SC-655	10 1/2"	19"	13 1/4"	34#		1 RECTIFIER UNIT RA-42	7 "	19"	8 1/2"	26#		1 ANTENNA EQUIPMENT HO-155-B				298#		1 TRANSMITTER SC-655 (TANNEY)	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"	64 "	625#		1 CONTROL UNIT RA-38	7 3/4"	6 1/2"	4 "	5.5#		COMBINED WEIGHT OF COMPONENTS:				1,055 #	(APPROXIMATELY)	COMBINED VOLUME OF COMPONENTS:				311 Cu. Ft.	(APPROX.)	SHIP TONNAGE:				1,055 AIR	TRANSPORTABLE					1 TON WHEN	EXPORT PACKED
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INSTRUCTIONAL LITERATURE:	STATUS:	STANDARD 20 Nov 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-642
	CHANGE IN STATUS:				



(LEFT)
CONTROL EQUIPMENT
FOR SCR-642.



(ABOVE)
TELEPHONE REPEATER EE-99. CASE DOORS
OPEN SHOWING CONTROL PANEL AND BATTERY
COMPARTMENT DOOR.



CONTROL UNIT RM-26,
ASSEMBLED.
SHOWING PLUS PL-150



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

FREQUENCY RANGE: (MHz) 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 (75 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) 3-8C-687; 12-25L6.

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

USE: Control Set used as an operations block which provides the necessary control equipment and auxiliaries to permit simultaneous operational control of up to two (2) aircraft squadrons for ground control of interceptor pursuit operations.

RANGE: (Miles) Minimum of 155 miles with aircraft at 10,000 ft.

TO COMMUNICATE WITH: Radio Set SCR-575 or SCR-643, SCR-574, or SCR-644, SCR-575 or SCR-645 by telephone and by radio with fighter aircraft equipped with SCR-522.

TO REPLACE IN PART:

TRANSPORTATION:

TYPE OF SIGNAL:

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

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
5 Control Units RM-25 EACH	20"	11 1/8"	11 1/8"	14#	
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 SC-72 EACH	12"	12"	24"	68#	
20 Telephone Repeaters EE-99	8"	14 1/2"	11 1/2"	47#	
3 Relay Unit RC-687	9"	12 1/2"	9"	35#	
COMBINED WEIGHT OF COMPONENTS:				9,000#	
COMBINED VOLUME:				200 cu. ft.	
SHIP TONNAGE:				2T	

RADIO SET SCR-642 IS THE SAME AS CONTROL SET SCR-572 EXCEPT THAT IT IS HOUSED IN FIXED BUILDINGS NOT PART OF THE SET.

THIS SHEET IS CLASSIFIED: **RESTRICTED****SCR-643**NOMENCLATURE
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD
20 Nov 43

INSTRUCTIONAL LITERATURE:

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

FREQUENCY RANGE: (Mc) 100-156

NUMBER OF CRYSTALS: 2 IN USE (FULL XTAL COMPLEMENT TO BE DETERMINED BY AAF).

PRESET FREQUENCIES: 2

ANTENNA: VERTICAL DIPOLE MOUNTED ON 76' MAST.
TUNING: (NO OR XTAL) XTAL

SENSITIVITY: SELECTIVITY:

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

SIMILAR SETS: TRANS. STATION OF SCR-507.

POWER OUTPUT: (Watts) 50

TUBES: (TYPE AND NUMBER) SCR-643 Uses:

16-523	2-606
8-625	2-80
6-1613	1-05L
4-811	1-5AP1/906P1
2-807	2-6X6 GT
10-9K24	1-6 X 5 GT.

PART B - TACTICAL CHARACTERISTICS
(CLASSIFICATION: **RESTRICTED**)USE: TWO CHANNEL TRANS. STATION FOR THE GROUND
CONTROL OF INTERCEPTOR PURSUIT OPERATION.
PART OF CONTROL NET SYSTEM SCR-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-643 BY TELEPHONE AND BY RADIO
WITH FIGHTER AIRCRAFT EQUIPPED WITH RADIO
SET SCR-522.

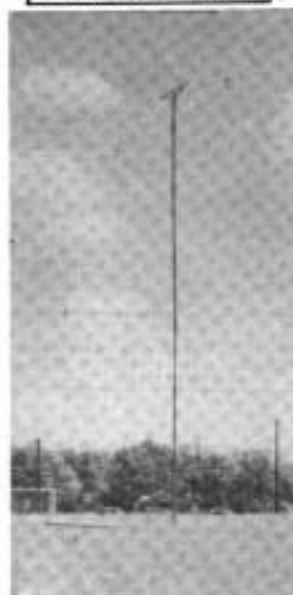
TO REPLACE IN PART:

TRANSPORTATION:

TYPE OF SIGNAL: TRANSMITS VOICE AND MCW.

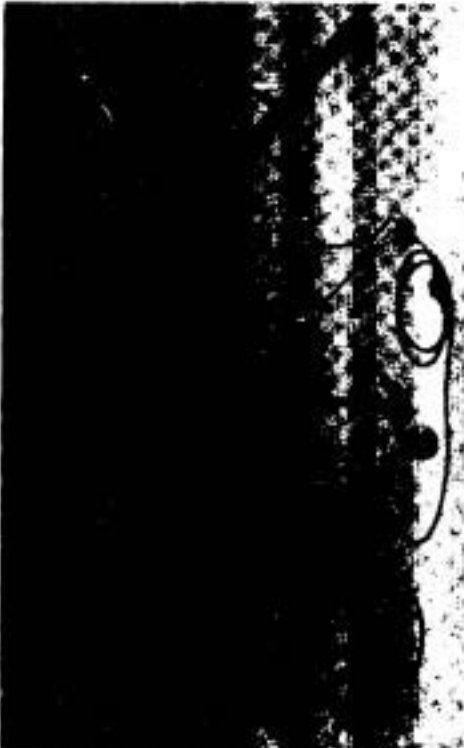
PART C - PRINCIPAL COMPONENTS
(CLASSIFICATION: **RESTRICTED**)

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
2 TRANS. SC-640	72"	21"	20"	515	RESTRICTED
1 CONTROL UNIT RM-27	11 3/8	19	10 1/2	29	RESTRICTED
1 ANTENNA AN-66	PACKED IN 25 CU.FT.	5 PACKAGES APPROX.		743	RESTRICTED
2 ANTENNA EQUIP. SC-61	12	28	30	4	RESTRICTED
COMBINED WEIGHT OF COMPONENTS:				5,000# APPROX.	
COMBINED VOLUME:				350 CU.FT. APPROX.	
SHIP TONNAGE:				1 1/2 T APPROX.	

RADIO TRANSMITTER SC-640
NEAR VIEW OF INTERIOR
ASSEMBLYANTENNA AN-66 FOR USE WITH
NET CONTROL SYSTEM, SCR-3.
(SHOWING MAST ERECTED)

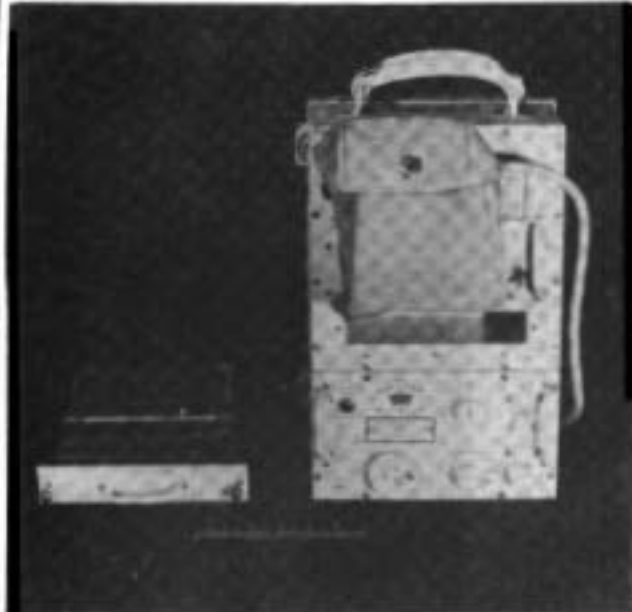
SAME AS RADIO SET SCR-575 EXCEPT HOUSED IN BUILDING NOT PART OF THE
RAIDIO SET. A QUANTITY OF RADIO SET SCR-575 WAS DEMOBILIZED TO RADIO
SET SCR-643 AT THE REQUEST OF THE AAF. THIS SET CONTAINS 2 TRANS-
MITTERS SC-640 FOR SIMULTANEOUS OPERATION. SIMILAR IN OPERATION TO
RADIO SET SCR-562 EXCEPT THAT IT CONTAINS 2 TRANSMITTERS SC-640 IN-
STEAD OF 6.

INSTRUCTIONAL LITERATURE	STATUS	STANDARD 20 May 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION:	SCR-644																																																																																							
	CHANGE IN STATUS		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED)																																																																																							
 RECTIFIER RA-42, FRONT VIEW  RADIO RECEIVER BC-639, FRONT VIEW  FREQUENCY METER BC-638, FRONT VIEW SHOWING CRYSTAL COMPARTMENT COVER REMOVED 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.			FREQUENCY RANGE: (MHz) 100-155 NUMBER OF CRYSTALS: 2 IN USE (FULL COMPLEMENT TO BE DETERMINED BY AAF). PRESET FREQUENCIES: VARIABLE (DIAL SETTING SHOWN WITH CRYSTAL CONTROLLED FREQUENCY METER.) ANTENNA: VERTICAL DIPOLE MOUNTED ON 76" MAST. TUNING: (MO OR STAL) SENSITIVITY: 2-5 mV/METER AT 50 MH SIGNAL RATIO 10 TO 1. SELECTIVITY: 2 TIMES DOWN LESS 100 KC, 8000 TIMES DOWN MORE 350 KC. POWER SOURCE: POWER UNIT PC-99 (75 KVA 110V 3 PHASE 60 CYCLE) ALSO HAS PROVISIONS FOR URBAN COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE. SIMILAR SETS: RECEIVER STATION OF SCR-567. POWER OUTPUT: (WATTS) RECEIVER BC-639 1 WATT DISTORTED $\frac{1}{2}$ W 10% DISTORTION. TUBES: (TYPE AND NUMBER) BC-639: 1-63A7; 1-9002; 2-9003; 1-54L6; 1-54L5; 1-6E5; BC-638: 1-9002; 3-9003; 1-63A7; 1-6E6B; 1-6E6C; 3-25L6; RA-42: 1-54L6.		USE: TWO CHANNEL RECEIVER STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCR-3. RANGE: (MILES) MINIMUM OF 135 MILES WITH AIRCRAFT AT 10,000 FT. TO COMMUNICATE WITH: CONTROL SET SCR-572 OR SCR-562, RADIO SET SCR-573 OR SCR-643 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH SCR-522. TO REPLACE IN PART: TRANSPORTATION: TYPE OF SIGNAL: RECEIVER VOICE, TONE MODULATED AND CW.																																																																																							
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED) <table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>2 RECEIVERS BC-639 EACH</td> <td>10 1/2"</td> <td>19"</td> <td>13 1/2"</td> <td>36</td> <td>RESTRICTED</td> </tr> <tr> <td>2 RECTIFIERS RA-42 EACH</td> <td>7</td> <td>19</td> <td>8 1/2</td> <td>26</td> <td>RESTRICTED</td> </tr> <tr> <td>1 FREQUENCY METER BC-638</td> <td>11 1/2</td> <td>19</td> <td>7</td> <td>35</td> <td>RESTRICTED</td> </tr> <tr> <td>2 CONTROL UNITS PC-99 EACH</td> <td>5</td> <td>19</td> <td>8 3/4</td> <td>16</td> <td>RESTRICTED</td> </tr> <tr> <td>2 AMPLIFIERS BC-636</td> <td>12</td> <td>19</td> <td>11</td> <td>36</td> <td>RESTRICTED</td> </tr> <tr> <td>1 FUSE PANEL PM-15</td> <td>5</td> <td>19</td> <td>5</td> <td>24</td> <td>RESTRICTED</td> </tr> <tr> <td>1 FUSE PANEL PM-5</td> <td>2 1/2</td> <td>19</td> <td>4 5/8</td> <td>15</td> <td>RESTRICTED</td> </tr> <tr> <td>2 FRAMES PM-39 EACH</td> <td>72</td> <td>20</td> <td>3</td> <td>121</td> <td>RESTRICTED</td> </tr> <tr> <td>1 ANTENNA AM-66</td> <td>PACKED IN 25 BULFT.</td> <td>5</td> <td>PACKAGES APPROX.</td> <td>743</td> <td>RESTRICTED</td> </tr> <tr> <td>2 ANTENNA EQUIPMENT AC-81</td> <td>12</td> <td>28 1/2</td> <td>38 1/2</td> <td>4</td> <td>RESTRICTED</td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS</td> <td>2,500</td> <td>APPROX.</td> </tr> <tr> <td colspan="4">COMBINED VOLUME:</td> <td>105 CU. FT.</td> <td>APPROX.</td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td>1 1/4 T</td> <td>APPROX.</td> </tr> </tbody> </table>	ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	2 RECEIVERS BC-639 EACH	10 1/2"	19"	13 1/2"	36	RESTRICTED	2 RECTIFIERS RA-42 EACH	7	19	8 1/2	26	RESTRICTED	1 FREQUENCY METER BC-638	11 1/2	19	7	35	RESTRICTED	2 CONTROL UNITS PC-99 EACH	5	19	8 3/4	16	RESTRICTED	2 AMPLIFIERS BC-636	12	19	11	36	RESTRICTED	1 FUSE PANEL PM-15	5	19	5	24	RESTRICTED	1 FUSE PANEL PM-5	2 1/2	19	4 5/8	15	RESTRICTED	2 FRAMES PM-39 EACH	72	20	3	121	RESTRICTED	1 ANTENNA AM-66	PACKED IN 25 BULFT.	5	PACKAGES APPROX.	743	RESTRICTED	2 ANTENNA EQUIPMENT AC-81	12	28 1/2	38 1/2	4	RESTRICTED	COMBINED WEIGHT OF COMPONENTS				2,500	APPROX.	COMBINED VOLUME:				105 CU. FT.	APPROX.	SHIP TONNAGE:				1 1/4 T	APPROX.		
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INSTRUCTIONAL LITERATURE	STATUS:	STANDARD 29 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: (MHz) 5.8 - 6.5 NUMBER OF CRYSTALS: 2 PRESET FREQUENCIES: 2 ANTENNA: 15' whip AN-123, 12L. 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 SA-40 FOR RECV. ONLY. SIMILAR SETS: POWER OUTPUT: (Watts) vehicle operation A1-25, A3-7; field operation A1-20, A3-5. TUNER: (Type and Number) 1 Trans.; 2 3A4; 1 HY65 1 1370; 1 VR105-30. 1 RECV.; 3 1T4; 1 1R5; 1 1R5; 1 3A4.		USE: Infantry; Paratrooper; Mountain & Airborne Troops. RANGE: (Miles) Stationary OM-30; VOICE-15; MOBILE OM-15; VOICE-7. TO COMMUNICATE WITH: SCR-284; SCR-511; SCR-536. TO REPLACE IN PART: SCR-284. TRANSPORTATION: vehicle OR MAN PORT. TYPE OF SIGNAL: CB; VOICE (AM).				
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)						
			ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
					HEIGHT	WIDTH	DEPTH		
			Trans. & Reconv. SC-1506 Vibrator Unit PE-237 Generator GN-57		14 1/2"	9"	4 - 5"	27# (RECV. & TRANS. ONLY)	
COMBINED WEIGHT OF COMPONENTS:									
COMBINED VOLUME:									
SHIP TONNAGE:									

 COMPONENTS OF RADIO SET SCR-694, SET UP FOR FIELD OPERATION
 SHOWING GENERATOR AND STEEL TAP ANTENNA.

SCR-704		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS	STANDARD 2 (Rev 4)	INSTRUCTIONAL LITERATURE	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (Mc) 1.25 - 60 NUMBER OF CRYSTALS: HAS CRYSTAL FILTER PRESET FREQUENCIES: NONE ANTENNA: TUNING: (MC OR KHz) DOES NOT APPLY SENSITIVITY: 1 MICROVOLT INPUT TO RECEIVER. SELECTIVITY: VARIABLE POWER SOURCE: 115/250 VOLT 50 - 60 CYCLES AC SIMILAR SETS: SCR-264 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; 5 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	 RADIO SET SCR-704, FRONT VIEW, SHOWING COMPONENTS		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)									
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION				
	HEIGHT	WIDTH	DEPTH						
RADIO RECEIVER DC-794	12.25"	25"	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									

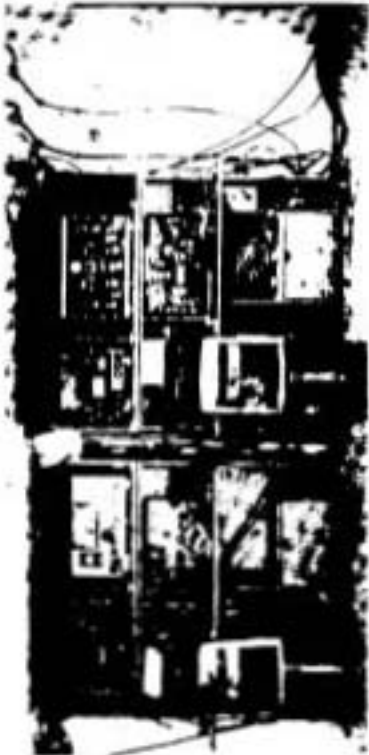
INSTRUCTIONAL LITERATURE:	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-714				
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED)			
			FREQUENCY RANGE: (Mc) 3.0 - 6 (RECEIVER ONLY) NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: Long wire TUNING: (MC OR KHz) SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 V VEHICLE BATTERY OR HAND GENERATOR. SIMILAR SETS: POWER OUTPUT: (Watts) TUBES: (Type and Number)		USE: INFANTRY PARACHUTE AIRBORNE TROOPS. RANGE: (Miles) TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: VEHICLE OR MAN PORT TYPE OF SIGNAL: CW; Voice (AM)			
			1 1T6 1 18D 1 18V 1 326					
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)					
			ITEM		DIMENSIONS		WEIGHT	CLASSIFICATION
					HEIGHT	WIDTH		
Radio Recv., RC-1137-A Mounting FT-382		14"	9"	5"		RESTRICTED		
COMBINED WEIGHT OF COMPONENTS:								
COMBINED VOLUME:								
SHIP TONNAGE:								

RADIO SET SCR-714-A, FRONT VIEW, SPARE TUBE COMPARTMENT REMOVED

NO MILITARY REQUIREMENT ADVANCED FOR THIS SET. RECEIVER IS SAME AS USED IN DEVELOPMENT MODEL OF Radio Set SCR-714, and was procured in small quantity for special purpose as Radio Set SCR-714-AR.

INSTRUCTIONAL LITERATURE TM 11-69	STATUS	STANDARD 10 JAN 40	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION SCR-828																													
 RADIO SET SIGNALS, MOUNTED ON BASE FT-257 Mounting Instructions version of SCR-828, has SCR-828.			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MHz) 27 - 36.9 NUMBER OF CRYSTALS: 4 (Xtal. Halos.) PRESET FREQUENCIES: 4 ANTENNA: SECTIONAL MAST TYPE, VERTICAL. TUNING: (MC OR XTAL) MC SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 or 24V. VEHICLE BATTERY, DYNAMOTOR (DM-64 & DM-65 FOR 12V INPUT WITH RECVR. & TRANS. RESPECTIVELY, DYNAMOTOR (DM-66 & DM-67 FOR 24V INPUT WITH RECVR. & TRANS. RESPECTIVELY) SIMILAR SETS: SCR-728 POWER OUTPUT: (Watts) 35 TUBES: (Type and Number) SCR-828: 2-6AC-7/1050; 2-6A5/75P; 1-12 SA7; 2-1230; 2-1230/7; 1-6AL5-6AL701; 2-6160; 2-6160/50; 5-12-SC 7; 1-6A07; 2-615; 1-6A5.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: FAI PLATOON COMMANDER; TANK DESTROYER UNIT. RANGE: (Miles) 5-7 IN TANKS; 10 MILES IN OPEN VEHICLES. TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610; SCR-620. TO REPLACE IN PART: SCR-626. TRANSPORTATION: VEHICLE TYPE OF SIGNAL: Voice (F.M.)																												
			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. SC-926</td> <td>14"</td> <td>34"</td> <td>14 1/2"</td> <td></td> <td></td> </tr> <tr> <td>Radio Recv. SC-925</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mounting FT-257</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	Radio Trans. SC-926	14"	34"	14 1/2"			Radio Recv. SC-925						Mounting FT-257							
			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																									
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Radio Trans. SC-926	14"	34"	14 1/2"																														
Radio Recv. SC-925																																	
Mounting FT-257																																	
COMBINED WEIGHT OF COMPONENTS:																																	
COMBINED VOLUME:																																	
SHIP TONNAGE:																																	

TC-8	NOMENCLATURE DESIGNATION				STATUS:		INSTRUCTIONAL LITERATURE: ST 1 ON TC-8 T 1
{ CLASSIFICATION: UNCLASSIFIED }					CHANGE IN STATUS:		
RADIO DIRECTION FINDER CENTRAL TC-8.							
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.							
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.							
PRINCIPAL COMPONENTS							
{ CLASSIFICATION: }							
ITEM	HEIGHT	WIDTH	DEPTH	WEIGHT	CLASSIFICATION		
SHELTERS (2 EACH) HO-27	66.5"	75"	135"	1750 #			
RECEIVER BC-362 (2 EACH)	9.75"	18"	9"	66 #			
RECEIVER BC-364 (1 EACH)	9.75"	18"	9"	66 #			
RECEIVER BC-757 (1 EACH)	9.5 "	19"	14.25"	69 #			
RECEIVER BC-756 (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 (DICTAPHONE) TCB-2P	12 "	29"	14"	95 #			
VOICE REPRODUCER (DICTAPHONE) TCB-TU	14 "	14"	17"	85 #			
SWITCHBOARD BD-72	13.25"	25.5"	9.5 "	72 #		RADIO D/F CENTRAL TC-8 SHOWING OPERATING POSITIONS. HOUSED IN SHELTER HO-27.	
INTERCOMMUNICATION SYSTEM RO-238							
COMBINED WEIGHT OF COMPONENTS:							
COMBINED VOLUME OF COMPONENTS:							
SHIP TONNAGE:							

INSTRUCTIONAL LITERATURE STI no TC-9 11	STATUS CHANGE IN STATUS			NOMENCLATURE DESIGNATION TC-9																																																																																													
 RADIO INTERCEPT CENTRAL TC-9 SHOWING OPERATING POSITIONS. HOUSED IN ONE SHELTER HQ-27.			(CLASSIFICATION UNCLASSIFIED) RADIO INTERCEPT CENTRAL TC-9. EQUIPMENT CONTAINED IN 3 SHELTERS. HQ-27 EACH CARRIED BY TRUCK, CARGO, 2 1/2 TON GAX FOR PURPOSE OF INTERCEPTING, RECORDING, INTERPRETING, RADIO COMMUNICATIONS. CONSISTS OF RADIO RECEIVERS, RECORDERS, SWITCHBOARD, ANTENNA, INTERCOMMUNICATION AND MONITORING SYSTEM.																																																																																														
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