

1013  
77  
TM 11-227

WAR DEPARTMENT TECHNICAL MANUAL

---

SIGNAL COMMUNICATION  
EQUIPMENT DIRECTORY

RADIO COMMUNICATION EQUIPMENT

 **NOTIFICATION OF RESTRICTED MATTER.**—The information contained in this document and the essential characteristics of restricted material may be given to any person known to be in the service of the United States and to persons of undoubted loyalty and discretion who are cooperating in Government work, but will not be communicated to the public or to the press except by authorized military public relations agencies. (See also par. 18b, AR 380-5, 28 Sep 1942.)

---

WAR DEPARTMENT

• 10 APRIL 1944

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

---



W A R   D E P A R T M E N T   •   1 0   A P R I L   1 9 4 4

---

United States Government Printing Office

Washington : 1944

# RESTRICTED

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.*

DISTRIBUTION:

-----

RESTRICTED

6113  
2  
TM 11:257  
Apr. 1944  
★★

**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)

# RESTRICTED

## TABLE OF CONTENTS

|                | <u>PAGE NO.</u> |                     | <u>PAGE NO.</u> |
|----------------|-----------------|---------------------|-----------------|
| AN/ARA-1 ..... | 1               | RC-115 .....        | 21              |
| AN/ARN-5 ..... | 2               | RC-193, 193-Z ..... | 22              |
| AN/ARN-6 ..... | 3               | SCR-131 .....       | 23              |
| AN/ARN-7 ..... | 4               | SCR-161 .....       | 24              |
| AN/CRN-1 ..... | 5               | SCR-171 .....       | 25              |
| AN/CRN-2 ..... | 6               | SCR-177 .....       | 26              |
| AN/CRN-3 ..... | 7               | SCR-177-B .....     | 27              |
| AN/CRN-5 ..... | 8               | SCR-178 .....       | 28              |
| AN/GRN-1 ..... | 9               | SCR-179 .....       | 29              |
| AN/MRN-1 ..... | 10              | SCR-183 .....       | 30              |
| AN/MRN-2 ..... | 11              | SCR-187 .....       | 31              |
| AN/MRN-3 ..... | 12              | SCR-188 .....       | 32              |
| AN/TRA-1 ..... | 13              | SCR-188-A .....     | 33              |
| AN/TRC-1 ..... | 14              | SCR-193 .....       | 34              |
| AN/TRC-2 ..... | 15              | SCR-194 .....       | 35              |
| AN/TRC-3 ..... | 16              | SCR-195 .....       | 36              |
| AN/TRC-4 ..... | 17              | SCR-197 .....       | 37              |
| RC-39 .....    | 18              | SCR-203 .....       | 38              |
| RC-43 .....    | 19              | SCR-206 .....       | 39              |
| RC-103 .....   | 20              | SCR-209 .....       | 40              |

# RESTRICTED

## PAGE NO.

## PAGE NO.

|                 |    |
|-----------------|----|
| SCR-210 .....   | 41 |
| SCR-211 .....   | 42 |
| SCR-237 .....   | 43 |
| SCR-242 .....   | 44 |
| SCR-244 .....   | 45 |
| SCR-245 .....   | 46 |
| SCR-246 .....   | 47 |
| SCR-255 .....   | 48 |
| SCR-263 .....   | 49 |
| SCR-269 .....   | 50 |
| SCR-273 .....   | 51 |
| SCR-274-N ..... | 52 |
| SCR-276 .....   | 53 |
| SCR-277 .....   | 54 |
| SCR-280 .....   | 55 |
| SCR-282 .....   | 56 |
| SCR-283 .....   | 57 |
| SCR-284 .....   | 58 |
| SCR-287 .....   | 59 |
| SCR-288 .....   | 60 |

|               |    |
|---------------|----|
| SCR-291 ..... | 61 |
| SCR-293 ..... | 62 |
| SCR-294 ..... | 63 |
| SCR-298 ..... | 64 |
| SCR-299 ..... | 65 |
| SCR-300 ..... | 66 |
| SCR-399 ..... | 67 |
| SCR-499 ..... | 68 |
| SCR-503 ..... | 69 |
| SCR-504 ..... | 70 |
| SCR-506 ..... | 71 |
| SCR-508 ..... | 72 |
| SCR-509 ..... | 73 |
| SCR-510 ..... | 74 |
| SCR-511 ..... | 75 |
| SCR-522 ..... | 76 |
| SCR-528 ..... | 77 |
| SCR-536 ..... | 78 |
| SCR-538 ..... | 79 |
| SCR-542 ..... | 80 |

# RESTRICTED

|               | <u>PAGE NO.</u> |               | <u>PAGE NO.</u> |
|---------------|-----------------|---------------|-----------------|
| SCR-543 ..... | 81              | SCR-610 ..... | 102             |
| SCR-551 ..... | 82              | SCR-619 ..... | 103             |
| SCR-555 ..... | 83              | SCR-624 ..... | 104             |
| SCR-561 ..... | 84              | SCR-625 ..... | 105             |
| SCR-562 ..... | 85              | SCR-628 ..... | 106             |
| SCR-563 ..... | 86              | SCR-632 ..... | 107             |
| SCR-564 ..... | 87              | SCR-633 ..... | 108             |
| SCR-565 ..... | 88              | SCR-634 ..... | 109             |
| SCR-566 ..... | 89              | SCR-637 ..... | 110             |
| SCR-567 ..... | 90              | SCR-642 ..... | 111             |
| SCR-572 ..... | 91              | SCR-643 ..... | 112             |
| SCR-573 ..... | 92              | SCR-644 ..... | 113             |
| SCR-574 ..... | 93              | SCR-645 ..... | 114             |
| SCR-575 ..... | 94              | SCR-694 ..... | 115             |
| SCR-578 ..... | 95              | SCR-704 ..... | 116             |
| SCR-583 ..... | 96              | SCR-714 ..... | 117             |
| SCR-585 ..... | 97              | SCR-808 ..... | 118             |
| SCR-593 ..... | 98              | SCR-828 ..... | 119             |
| SCR-607 ..... | 99              | TC-8 .....    | 120             |
| SCR-608 ..... | 100             | TC-9 .....    | 121             |
| SCR-609 ..... | 101             |               |                 |



THIS SHEET IS CLASSIFIED: RESTRICTED

**AN/ARN-5**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

INSTRUCTIONAL LITERATURE:

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

FREQUENCY RANGE: (MO) 335

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: ONE

ANTENNA: AS-27/ARN-5

TUNING: (MO OR XTAL)

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 24 V. AIRCRAFT BATTERY.

SIMILAR SETS: NONE.

POWER OUTPUT: (WATTS) NONE.

TUBES: (TYPE AND NUMBER) (TENTATIVE)

(BENDIX MODEL) 2-12AH7GT; 1-2BD7; 1-955.  
(CROSBLEY MODEL) 1-12SR7GT; 2-12SN7GT; 1-2BD7; 8-6AK5.  
(EMERSON MODEL) 1-6SL7GT; 1-12SN7GT; 1-2BD7; 1-955.**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: RESTRICTED)USE: AIRBORNE SLIDE PATH RECEIVER FOR GIVING  
PILOT VERTICAL GUIDANCE FOR INSTRUMENT  
APPROACH OR LANDING.

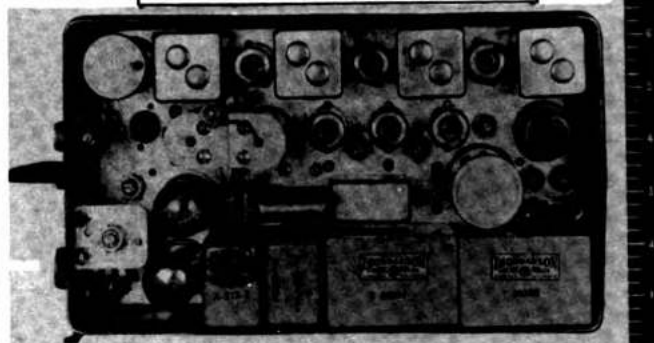
RANGE:

TO COMMUNICATE WITH: AN/CRN-2

TO REPLACE IN PART: AN/ARN-5 IS A PART OF A SYS-  
TEM WHICH REPLACES SCR-241.

TRANSPORTATION: AIRBORNE

TYPE OF SIGNAL: MCW, VOICE

CHANGE IN  
STATUS:RADIO RECEIVER R-15/ARN-5 (TOP VIEW, COVER REMOVED)  
PART OF RADIO SET AN/ARN-5. DEVELOPMENTAL MODEL.RADIO RECEIVER R-15/ARN-5. PART OF RADIO  
SET AN/ARN-5. DEVELOPMENTAL MODEL.**PART C - PRINCIPAL COMPONENTS**  
(CLASSIFICATION: RESTRICTED)

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

RADIO RECEIVER, R-15/ARN-5; R-47/ARN-5 OR R-57/ARN-5

6-1/2"

6"

8"

8#

COMBINED WEIGHT OF COMPONENTS:

10# APPROX.

COMBINED VOLUME OF COMPONENTS:

SHIP TONNAGE:

INSTRUCTIONAL LITERATURE:

STATUS:

CHANGE IN  
STATUS:NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.NOMENCLATURE  
DESIGNATION:**AN/ARN-6****PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: RESTRICTED )

FREQUENCY RANGE: (Mc) .100 to 1.750

NUMBER OF CRYSTALS:

PRESET FREQUENCIES:

ANTENNA: LOOP, FIXED OR ROTATABLE, WITH REMOTE IN-  
DIATION OF LOOP POSITION. (DUAL REMOTE CONTROL  
AND ONE SET OF LOCAL CONTROLS.)

TUNING: (MC 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.

**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: RESTRICTED )USE: AUTOMATIC RADIO COMPASS SIMILAR TO SCR-269  
PRIMARYLY USED FOR NAVIGATION. INSTALLED IN  
AIRPLANES.

RANGE (MILES)

TO COMMUNICATE WITH:

TO REPLACE IN PART: SCR-269. (NOTE: RADIO SET  
AN/ARN-6 IS TO BE LIGHTER IN WEIGHT THAN  
RADIO SET SCR-269 AND WILL ALSO BE SIMPLER  
TO OPERATE.)

TRANSPORTATION: AIRBORNE INSTALLATION

TYPE OF SIGNAL: CW - MCW AND VOICE.

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

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)

COMBINED VOLUME OF COMPONENTS:

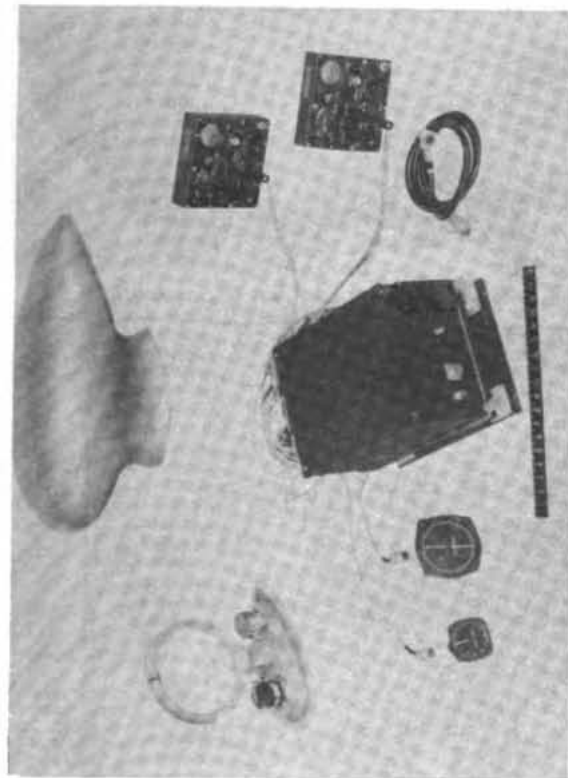
SHIP TONNAGE:

50#

1500-----CUBIC INCHES

MAXIMUM

RADIO COMPASS AN/ARN-6



THIS SHEET IS CLASSIFIED: RESTRICTED

\*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: (MO) 0.1 - 1.75

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: NONE

ANTENNA: LOOP AND SENSE ANTENNA

TUNING: (MO OR XTAL) REMOTE MANUAL

SENSITIVITY: 40 MV./METER

SELECTIVITY: 10 TIMES RESONANT INPUT FOR 6.3KC  
BANDWIDTH.

POWER SOURCE: 110 V. 400 CYCLES A-C

SIMILAR SETS: SCR-269 (INTERCHANGEABLE BY COMPONENTS)

POWER OUTPUT: (WATTS)

TUBES: (TYPE AND NUMBER) 2 - VT - 66 1 - VT - 94  
1 - VT - 74 1 - VT - 96  
4 - VT - 86 1 - VT - 105  
1 - VT - 87 2 - VT - 109  
2 - VT - 93PART B - TACTICAL CHARACTERISTICS  
(CLASSIFICATION: RESTRICTED)USE: AIRBORN AUTOMATIC DIRECTION-FINDER. GIVES  
AUTOMATIC BEARING INDICATION OF THE DIREC-  
TION OF ARRIVAL OF RADIO FREQUENCY ENERGY.  
ALSO AURAL RECEPTION OF CW, MCW, OR VOICE  
ON LOOP OR ANTENNA.RANGE: ACCURATE BEARINGS TO ABOUT 100 MILES  
DAYTIME. SUBJECT TO NIGHT EFFECT ERRORS.

TO COMMUNICATE WITH:

TO REPLACE IN PART: SCR-269

TRANSPORTATION: AIRBORNE

TYPE OF SIGNAL: CW, MCW, VOICE

RADIO COMPASS UNIT #R-5/ARN-7 PART OF DEVELOPMENTAL  
MODEL OF RADIO COMPASS #AN/ARN-7PART C-PRINCIPAL COMPONENTS  
(CLASSIFICATION: RESTRICTED)

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

1 RADIO COMPASS UNIT

7 7/8"

12"

19 13/16"

RESTRICTED

2 RADIO CONTROL BOX

7 1/2"

7 1/2"

3 15/16"

3.76#

RESTRICTED

1 LOOP LP-21

25 3/8"

14 31/32"

9"

10.37#

UNCLASSIFIED

1 INDICATOR I-81

3 1/4"

3 1/4"

3 11/16"

.75#

UNCLASSIFIED

1 INDICATOR I-82

5 1/8"

5 1/8"

4 3/32"

1.19#

UNCLASSIFIED

1 RELAY BK-22

11 3/4"

7"

3"

6.40#

UNCLASSIFIED

COMBINED WEIGHT OF COMPONENTS:

75 LBS.

COMBINED VOLUME OF COMPONENTS:

5121 cu. in.

SHIP TONNAGE:

0.0296T

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

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**)

FREQUENCY RANGE: (MO) 1.45 - 1.70

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES:

ANTENNA: TELESCOPING WHIP

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: BATTERIES

SIMILAR SETS: NONE

POWER OUTPUT: (WATTS) LESS THAN ONE

TUBES: (TYPE AND NUMBER) 2 - 6V6GT

**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: **RESTRICTED**)USE: WHEN DROPPED INTO THE SEA FROM AN AIRCRAFT,  
AUTOMATICALLY TRANSMITS A SIGNAL FOR  
HOMING BY MEANS OF RADIO COMPASS SCR-269.  
WORKS 12 HOURS AND THEN SINKS.

RANGE: 50 MILES OVER SEA WATER.

TO COMMUNICATE WITH: SCR-269

TO REPLACE IN PART:

TRANSPORTATION: AIR

TYPE OF SIGNAL: C. W.

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

| ITEM                                  | DIMENSIONS |             |       | WEIGHT | CLASSIFICATION |
|---------------------------------------|------------|-------------|-------|--------|----------------|
|                                       | HEIGHT     | WIDTH       | DEPTH |        |                |
| RADIO TRANSMITTER T-2/CRN - 1         | 4' *       | 8" DIAMETER |       |        | RESTRICTED     |
| BATTERY BA-201/CRN-1                  |            |             |       |        | UNCLASSIFIED   |
| * HEIGHT OF TRANSMITTER NOT EXTENDED. |            |             |       |        |                |
| COMBINED WEIGHT OF COMPONENTS:        |            | 35#         |       |        |                |
| COMBINED VOLUME OF COMPONENTS:        |            | 1.5 CU. FT. |       |        |                |
| SHIP TONNAGE:                         |            |             |       |        |                |

PARACHUTE MX-91/CRN-1; PART OF RADIO TRANSMITTING  
EQUIPMENT AN/CRN-1(1) STATIC LINE. (2) CONTAINER FOR PARACHUTE AND SIS-  
TER 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.RADIO TRANSMITTING EQUIPMENT AN/CRN-1 (SIDE VIEW, CONTAINERS  
EXTENDED). (1) ANTENNA. (2) DELAYED TIMER CONTROL KNOB. (3)  
INNER CONTAINER. (4) OUTER CONTAINER.

THIS SHEET IS CLASSIFIED: RESTRICTED

**AN/CRN-2**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
5 FEB 44

INSTRUCTIONAL LITERATURE:

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

FREQUENCY RANGE: (Mc) 350 to 360  
 NUMBER OF CRYSTALS: 1  
 PRESET FREQUENCIES: 335 Mc.  
 ANTENNA: FOLDED DIPOLES  
 TUNING: (MO OR XTAL) XTAL  
 SENSITIVITY: SELECTIVITY:  
 POWER SOURCE: PE-141 MOTOR GENERATOR (115 V  
 60 CYCLES)  
 SIMILAR SETS:  
 POWER OUTPUT: (WATTS) 25 WATTS OF CW POWER.  
 TUBES: (TYPE AND NUMBER) 1-6J5 1-8298  
 2-6SJ7 1-832  
 1-6XK7 2-856  
 3-5V4G 4-8025  
 1-6SN7GT 1-VR90  
 1-9002 1-VR150

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

USE: IS A SLIDE PATH TRANSMITTER WHICH GIVES THE  
 ANGLE OF APPROACH. THIS IS INDICATED ON A  
 HORIZONTAL POINTER CONTAINED IN THE AN/ARN-4,  
 INSTRUMENT LANDING RECEIVING EQUIPMENT.

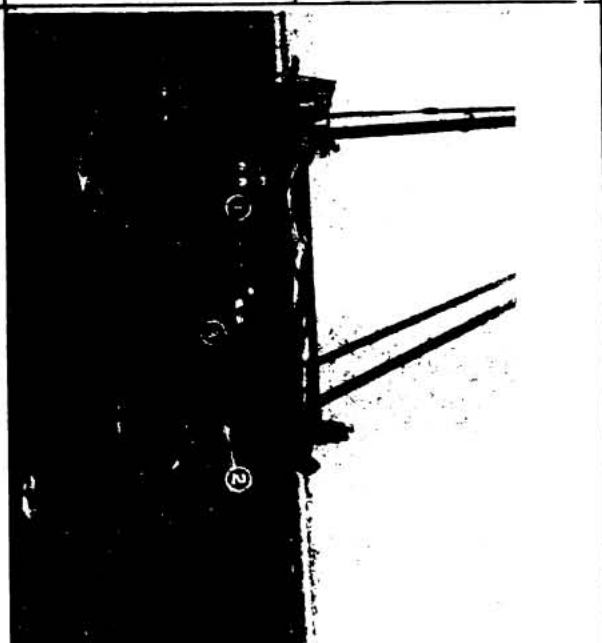
RANGE: (MILES) 15 MILES AT 3000 FT.

TO COMMUNICATE WITH: AN/ARN-5

TO REPLACE IN PART:

TRANSPORTATION: INSTALLED IN AIR-TRANSPORTABLE  
TRAILER.TYPE OF SIGNAL: STRAIGHT LINE SLIDE PATH - DOUBLE  
BEAM MCW SYSTEM.CHANGE IN  
STATUS:

RADIO SET AN/CRN-2 (SLIDE PATH TRANSMITTING EQUIPMENT SET UP FOR  
 OPERATION) DEVELOPMENTAL MODEL.  
 (1) TRANSMITTER AND MODULATOR, (2) GASOLINE ENGINE POWER SUPPLY,  
 (3) RECTIFIER POWER SUPPLY.

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

ITEM

DIMENSIONS

WEIGHT

CLASSIFICATION

HEIGHT WIDTH DEPTH

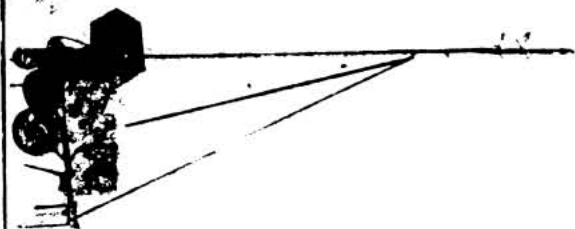
(NOT YET DEFINITELY DETERMINED)

COMBINED WEIGHT OF COMPONENTS:

COMBINED VOLUME:

SHIP TONNAGE:

RADIO SET, AN/CRN-2  
 (INSTRUMENT LANDING GLIDE PATH)  
 DEVELOPMENTAL MODEL



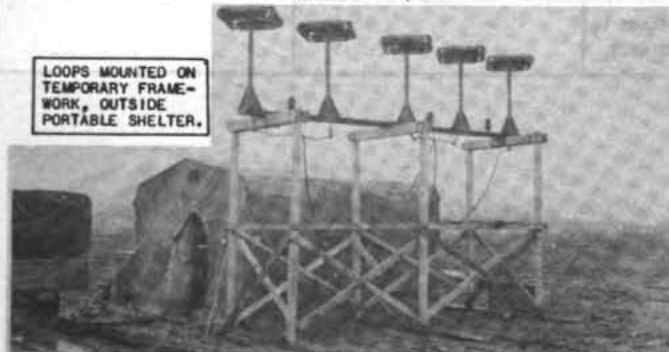
## INSTRUCTIONAL LITERATURE:

AN-08-10-183 (H/I)

## STATUS:

NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.NOMENCLATURE  
DESIGNATION:**AN/CRN-3**

LOOPS MOUNTED ON  
TEMPORARY FRAME-  
WORK, OUTSIDE  
PORTABLE SHELTER.

PART A - TECHNICAL CHARACTERISTICS  
(CLASSIFICATION: RESTRICTED)

FREQUENCY RANGE: (MO) 108.3-110.3

NUMBER OF CRYSTALS: 3 or 6

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 TRANS; 4-807W; 3-  
HK257; 1-6H6; 1-6F6; 1-6SN7GT; 1-5V4G; 4-836; 2-VR-150-30  
1-BC-753 COURSE DETECTOR; 1-9002; 1-6SF5; 1-6K6GT; 1-  
6X501; 1-BC-754 COURSE DETECTOR; 1-IR5; 1-957; 2-1  
LN 5; 1-155; 1-354; 1-BC-755 INDICATOR BOX; 2-1 S 5;  
1-BC-777 INTENSITY METER; 1-6H6; 2-6SC7.

PART B - TACTICAL CHARACTERISTICS  
(CLASSIFICATION: RESTRICTED)

USE: 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-55.

RANGE: 75 MILES

TO COMMUNICATE WITH: RC-103

TO REPLACE IN PART: ARMY A-1 INSTRUMENT LANDING  
SYSTEM.

TRANSPORTATION: AIR

TYPE OF SIGNAL: CW, MCW, VOICE.

PART C - PRINCIPAL COMPONENTS  
(CLASSIFICATION: RESTRICTED)

| ITEM                                                                                                                                                                                                                                                                                                 | DIMENSIONS |       |                                                         | WEIGHT | CLASSIFICATION                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|---------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                      | HEIGHT     | WIDTH | DEPTH                                                   |        |                                                                                                  |
| RADIO TRANSMITTER EQUIPMENT RC-107<br>LOCALIZER TRANSMITTER EQUIPMENT CONSISTS OF:<br>CONTROL BOX BC-915<br>RADIO TRANSMITTER BC-751<br>MODULATOR & BRIDGE BC-752<br>COURSE DETECTOR BC-753 (FIXED)<br>COURSE DETECTOR BC-754 (PORTABLE)<br>FIELD INTENSITY METER BC-755<br>INDICATOR BC-777 (ALARM) |            |       | 800 #<br>550 #<br>300 #<br>80 #<br>25 #<br>25 #<br>70 # |        | RESTRICTED<br>UNCLASSIFIED<br>RESTRICTED<br>RESTRICTED<br>RESTRICTED<br>RESTRICTED<br>RESTRICTED |
| ANTENNA EQUIPMENT RC-109<br>RADIO SET SCR-610<br>HEATER M-321<br>MAINTENANCE PARTS & TOOLS<br>SURVEYING INSTRUMENT<br>CRYSTAL UNIT DC-8<br>VOLTMETER IS-175 (BALANCED R.F.)<br>VOLTMETER IS-176 (UNBALANCED R.F.)                                                                                    |            |       | 150 #<br>135 #<br>100 #<br>500 #<br>60 #                |        | RESTRICTED<br>UNCLASSIFIED<br>UNCLASSIFIED                                                       |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                                                                                                                                                       |            |       | 3095 #                                                  |        |                                                                                                  |
| COMBINED VOLUME OF COMPONENTS:                                                                                                                                                                                                                                                                       |            |       |                                                         |        |                                                                                                  |
| SHIP TONNAGE:                                                                                                                                                                                                                                                                                        |            |       |                                                         |        |                                                                                                  |

(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  
IS-176. (4) CASE CS-72. (5) RADIO SET SCR-610.

THIS SHEET IS CLASSIFIED: **RESTRICTED****AN/CRN-5**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

INSTRUCTIONAL LITERATURE:

**PART A - TECHNICAL CHARACTERISTICS**(CLASSIFICATION: **RESTRICTED**)FREQUENCY RANGE: (MC) 100 - 156 TUNES OVER  
5 MC BAND.

NUMBER OF CRYSTALS: UNDER DEVELOPMENT.

PRESET FREQUENCIES: NOT YET DETERMINED.

ANTENNA: VERTICALLY POLARIZED.

TUNING: (MO OR XTAL) XTAL

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 115 VOLT 60 CYCLE SINGLE PHASE.  
GENERATOR CAPACITY 2 KVA-AC AND 6 VOLT 20 AMP. DC

SIMILAR SETS: AN/CRN-5

POWER OUTPUT: (WATTS) ONE OF SILENCE 25 WATTS  
(ARL-117-1) RADIO TRANS. 100 WATTS CARRIER &  
50 WATTS SIDE BAND ARL-119.TUBES: (TYPE AND NUMBER) 1-6AC7 4-6SN7GT 2-829  
1-6B8 2-6V6GT 2-832  
3-6H6 3-6X5GT 6-856  
1-6J5 2-135 1-VR150  
2-6SJ7 1-957  
1-6SK7 4-807**PART B - TACTICAL CHARACTERISTICS**(CLASSIFICATION: **RESTRICTED**)USE: PORTABLE U.H.F. RADIO TWO COURSE AURAL  
RADIO RANGE WITH STATION IDENTIFICATION,  
PERIODIC QUADRANT IDENTIFICATION, AND  
SIMULTANEOUS PHONE TRANSMISSION.

RANGE: (MILES) 80

TO COMMUNICATE WITH: SCR-522

TO REPLACE IN PART: SCR-277

TRANSPORTATION: AIR

TYPE OF SIGNAL: CW; MCW, AND VOICE.

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

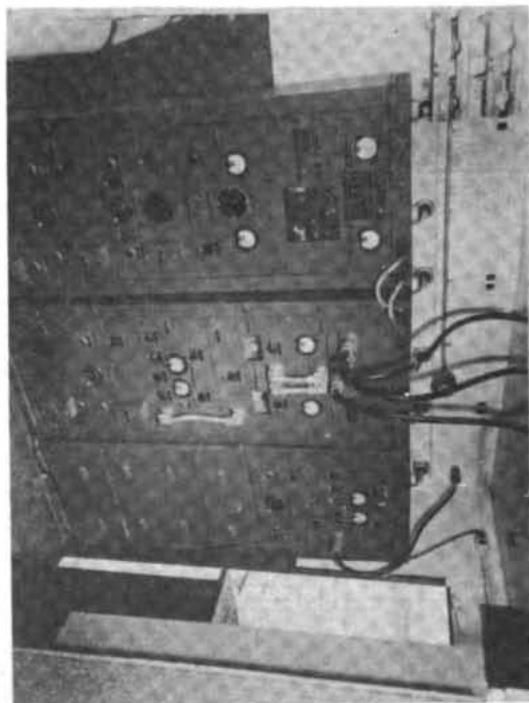
(NOT YET DEFINITELY DETERMINED)

COMBINED WEIGHT OF COMPONENTS:

COMBINED VOLUME OF COMPONENTS:

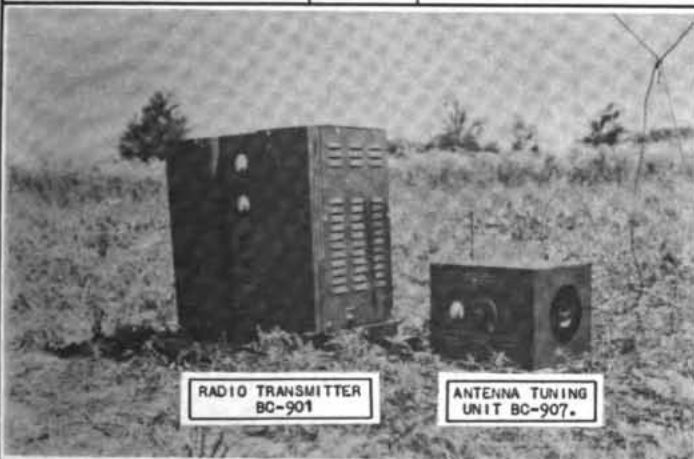
SHIP TONNAGE:

RADIO SET AN/CRN-5 TRANSMITTING EQUIPMENT



|                           |                      |  |                                                              |                              |                 |
|---------------------------|----------------------|--|--------------------------------------------------------------|------------------------------|-----------------|
| INSTRUCTIONAL LITERATURE: | STATUS:              |  | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION. | NOMENCLATURE<br>DESIGNATION: | <b>AN/GRN-1</b> |
|                           | CHANGE IN<br>STATUS: |  |                                                              |                              |                 |



RADIO TRANSMITTER  
BC-901

ANTENNA TUNING  
UNIT BC-907.

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

FREQUENCY RANGE: 0.2 - 0.4

NUMBER OF CRYSTALS: PER SPECIAL ORDER.

PRESET FREQUENCIES: NONE

ANTENNA: SPECIAL - 200 MMF, 7 OHMS OR LESS.

TUNING: (MO OR XTAL) XTAL

SENSITIVITY: SELECTIVITY:

POWER SOURCE: POWER UNIT PE-75 OR 110 VOLTS  
50 - 60 CYCLES. 550 VOLT-AMPERES

SIMILAR SETS: NONE

POWER OUTPUT: (WATTS) 50

TUBES: (TYPE AND NUMBER) 5 VT-145 (523)  
5 VT-94 (6J5)  
6 VT-100 (807)

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

USE: A GROUND RADIO BEACON TO WHICH AIRCRAFT CAN  
HOME OR TAKE BEARINGS.

RANGE: 100 MILES OVER LAND OR 300 MILES OVER  
SEA WATER.

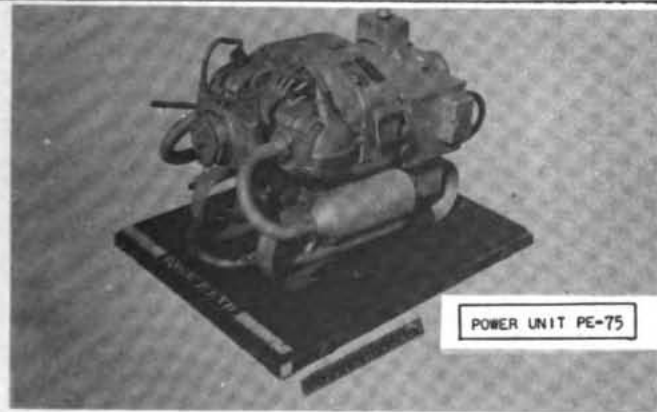
TO COMMUNICATE WITH: SCR-269

TO REPLACE IN PART: NONE

TRANSPORTATION:

TYPE OF SIGNAL: CW, MCW, VOICE.



POWER UNIT PE-75

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

| ITEM                           | DIMENSIONS |       |       | WEIGHT         | CLASSIFICATION |
|--------------------------------|------------|-------|-------|----------------|----------------|
|                                | HEIGHT     | WIDTH | DEPTH |                |                |
| RADIO TRANSMITTER BC-901       | 25"        | 28"   | 16"   | 205 #          | UNCLASSIFIED   |
| POWER UNIT PE-75               | 36"        | 19"   | 27"   | 330 #          | UNCLASSIFIED   |
| COMBINED WEIGHT OF COMPONENTS: |            |       |       | ABOUT 800 LBS. | COMPLETE       |
| COMBINED VOLUME OF COMPONENTS: |            |       |       |                |                |
| SHIP TONNAGE:                  |            |       |       |                |                |

RADIO SET AN/GRN-1 SHOWING COMPONENTS

THIS SHEET IS CLASSIFIED: **RESTRICTED****AN-MRN-1**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
3 JUL 42INSTRUCTIONAL LITERATURE:  
AN-08-10-183 (HMI)**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: **RESTRICTED**)

FREQUENCY RANGE: (Mc) 108.3-110.3

NUMBER OF CRYSTALS: ONE

PRESET FREQUENCIES: ONE

ANTENNA: FIVE ALFORD LOOPS IN SAME HORIZONTAL PLANE.

TUNING: (MO OR XTAL) XTAL

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 110 VOLTS 60 CYCLE AC GASOLINE ENGINE-  
DRIVEN MOTOR GENERATOR.

SIMILAR SETS: AN/CRN-3.

POWER OUTPUT: (WATTS) 25

TUBES: (TYPE AND NUMBER) 1-BC-751 TRANS; 4-807W; 3-  
MK257; 1-6H6; 1-6F6; 1-6SN7GT; 1-5V4G; 4-836; 2-VR-150-30.  
1-BC-753 COURSE DETECTOR; 1-9002; 1-6SF5; 1-6K6GT; 1-  
6X50T. 1-BC-754 COURSE DETECTOR; 1-1R5; 1-957; 2-1  
LN 5; 1-1S5; 1-354. 1-BC-755 INDICATOR BOX; 2-1 S 5;  
1-BC-777 INTENSITY METER; 1-6H6; 2-6SC7.**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: **RESTRICTED**)USE: TRANSMITS AND MONITORS A LOCALIZED BEAM  
FOR USE IN MAKING INSTRUMENT LANDING AFTER  
AIRCRAFT HAS ARRIVED IN THE VICINITY OF  
THE AIRPORT.RANGE: (MILES) 40 AT 2500 FT., 70 AT 6000 FT.,  
100 AT 10,000 FT.

TO COMMUNICATE WITH: RC-103

TO REPLACE IN PART: SCR-241

TRANSPORTATION: TRUCK

TYPE OF SIGNAL: CW AND MCW, AND VOICE.

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

RADIO TRANSMITTER EQUIPMENT RC-107  
LOCALIZER TRANSMITTER EQUIPMENT CONSISTS OF :  
CONTROL BOX BC-915  
RADIO TRANSMITTER BC-751  
MODULATOR & BRIDGE BC-752  
COURSE DETECTOR BC-753 (FIXED)  
COURSE DETECTOR BC-754 (PORTABLE)  
FIELD INTENSITY METER BC-755  
INDICATOR BC-777 (ALARM)  
ANTENNA EQUIPMENT RC-109  
RADIO SET SCR-610  
HEATER M-321  
MAINTENANCE PARTS & TOOLS  
SURVEYING INSTRUMENT  
CRYSTAL UNIT DC-8  
VOLTMETER IS-175 (BALANCED R.F.)  
VOLTMETER IS-176 (UNBALANCED R.F.)  
TRUCK- K-53

800 #

550 #

300 #

80 #

25 #

25 #

70 #

450 #

135 #

100 #

500 #

60 #

11,700 #

RESTRICTED

UNCLASSIFIED

RESTRICTED

RESTRICTED

RESTRICTED

RESTRICTED

RESTRICTED

RESTRICTED

RESTRICTED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

COMBINED WEIGHT OF COMPONENTS:

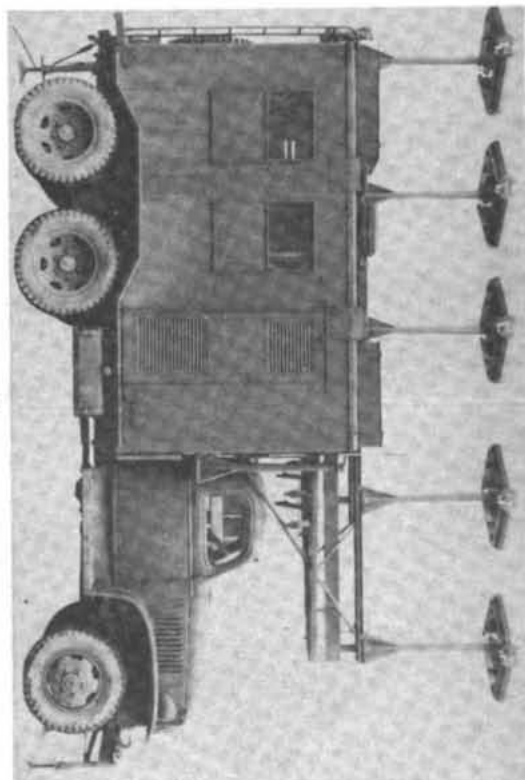
14,795 #

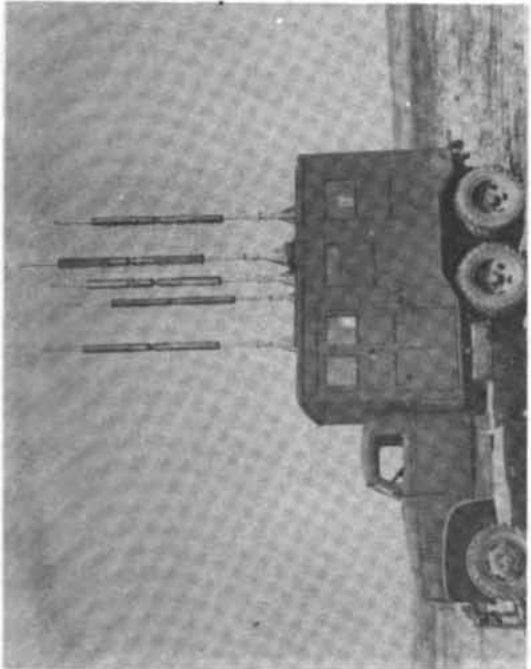
COMBINED VOLUME OF COMPONENTS:

INSTALLED IN K-53 TRUCK. 80-100 CU. FT. APPROX.

SHIP TONNAGE:

RADIO SET AN/MRN-1 INSTALLED IN TRUCK K-53  
COMPRISES EQUIPMENT FOR TRANSMITTING AND MONITORING A LOCALIZED BEAM  
WITH A USABLE RANGE OF 20 MILES FOR USE IN MAKING INSTRUMENT LANDINGS  
AFTER THE AIRPLANE HAS ARRIVED IN THE VICINITY OF THE AIRPORT.  
(AN/MRN-1 FURNISHED WITH TRUCK K-53. AN/CRN-3 DOES NOT INCLUDE TRUCK)



|                                                                                   |                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                                                                                                                                                                                                                                                                                                                                                                           |       |       |        |                |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|--------|----------------|
| INSTRUCTIONAL LITERATURE:                                                         | STATUS:                                                                                                                                     | NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | NOMENCLATURE DESIGNATION: <b>AN/MRN-2</b> |                                                                                                                                                                                                                                                                                                                                                                                           |       |       |        |                |
|                                                                                   | CHANGE IN STATUS:                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                                                                                                                                                                                                                                                                                                                                                                           |       |       |        |                |
|  | Date 3-31-43<br>Neg. No. D 1285 R<br><br>DEVELOPMENTAL MODEL OF RADIO SET AN/MRN-2<br>(LEFT SIDE VIEW, ANTENNAS SET UP READY FOR OPERATION) | PART A - TECHNICAL CHARACTERISTICS<br>(CLASSIFICATION: RESTRICTED )<br>FREQUENCY RANGE: (Mc) 100 - 156 TUNES OVER 5 Mc. BAND.<br>NUMBER OF CRYSTALS: UNDER DEVELOPMENT.<br>PRESET FREQUENCIES: NOT YET DETERMINED.<br>ANTENNA: VERTICALLY POLARIZED<br>TUNING: (MD OR XTAL) XTAL<br>SENSITIVITY: SELECTIVITY:<br>POWER SOURCE: 115 VOLT 60 CYCLE SINGLE PHASE. GENERATOR CAPACITY 2 KVA-AC AND 6 VOLT 20 AMP. DC.<br>SIMILAR SETS: AN/CRN-5<br>POWER OUTPUT: (WATTS) CODE OF SILENCE 25 WATTS (ARL-117-1) RADIO TRANS. 100 WATTS CARRIER & 50 WATTS SIDE BAND ARL -119.<br>TUBES: ( TYPE AND NUMBER)<br>1-6AC7    4-6SN7GT    2-829<br>1-688    2-6V6VT    2-832<br>3-6H6    3-6X5GT    6-836<br>1-6J5    1-135    1-VR150<br>2-6SJ7    1-957<br>1-6SK7    4-607 |                                           | PART B - TACTICAL CHARACTERISTICS<br>(CLASSIFICATION: RESTRICTED )<br>USE: PORTABLE U.H.F. RADIO TWO COURSE AURAL RADIO RANGE WITH STATION IDENTIFICATION, PERIODIC QUADRANT IDENTIFICATION, AND SIMULTANEOUS PHONE TRANSMISSION.<br><br>RANGE: (MILES) 80<br>TO COMMUNICATE WITH: SCR-522<br>TO REPLACE IN PART: SCR-277<br>TRANSPORTATION: TRUCK<br>TYPE OF SIGNAL: CW; MCW, AND VOICE. |       |       |        |                |
|                                                                                   |                                                                                                                                             | PART C - PRINCIPAL COMPONENTS<br>(CLASSIFICATION: RESTRICTED )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |                                                                                                                                                                                                                                                                                                                                                                                           |       |       |        |                |
|                                                                                   |                                                                                                                                             | ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           | DIMENSIONS                                                                                                                                                                                                                                                                                                                                                                                |       |       | WEIGHT | CLASSIFICATION |
|                                                                                   |                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           | HEIGHT                                                                                                                                                                                                                                                                                                                                                                                    | WIDTH | DEPTH |        |                |
| (NOT YET DEFINITELY DETERMINED)                                                   |                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                                                                                                                                                                                                                                                                                                                                                                           |       |       |        |                |
| COMBINED WEIGHT OF COMPONENTS:                                                    |                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                                                                                                                                                                                                                                                                                                                                                                           |       |       |        |                |
| COMBINED VOLUME OF COMPONENTS:                                                    |                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                                                                                                                                                                                                                                                                                                                                                                           |       |       |        |                |
| SHIP TONNAGE:                                                                     |                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                                                                                                                                                                                                                                                                                                                                                                           |       |       |        |                |

THIS SHEET IS CLASSIFIED: RESTRICTED

**AN/MRN-3**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
23 OCT 43

INSTRUCTIONAL LITERATURE:

**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: RESTRICTED)FREQUENCY RANGE: (M<sub>0</sub>) 75

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: ONE

ANTENNA: ONE HORIZONTAL DIPOLE

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 110 V. 50 - 60 CYCLES A.C. POWER UNIT  
PE-88, OR POWER UNIT PE-214.

SIMILAR SETS:

POWER OUTPUT: (WATTS) ONE

TUBES: (TYPE AND NUMBER) RC-115 USES: 1-VT-74(524);  
2-VT-139 (VR-150-30); 1-VT-188 (7E6); 2-VT-189,  
(7F7); 1-7N7; 5-7C5. SCR-610; 1-BC-659-A; USES:  
5-1LN5; 2-1291; 4-1299; 1-1LW4; 1-1294; 1-LC6.  
1 PE-117 USES: 1 VR-90-30; 1 CK1005.**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: RESTRICTED)USE: TRANSMITS VERTICAL PATTERN TO BE RECEIVED  
BY RC-39, RC-43, RC-193, MARKING REFERENCE  
POINTS IN INSTRUMENT LANDING SYSTEM

RANGE: 10,000 FEET, OVERHEAD.

TO COMMUNICATE WITH: RC-39, RC-43, RC-193, RC193Z

TO REPLACE IN PART: BC-302.

TRANSPORTATION: JEEP.

TYPE OF SIGNAL: CW; MOW.

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

ITEM

## DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

MARKER BEACON TRANSMITTING EQUIPMENT RC-115

POWER UNIT PE-88 OR POWER UNIT PE-214 \*

RADIO SET SCR-610

1/4-TON 4 X 4 TRUCK ("JEEP")

18"

12"

20"

37#

UNCLASSIFIED

45#

RESTRICTED

UNCLASSIFIED

72"

63"

132"

\*PE-214 IS  
UNCLASSIFIED

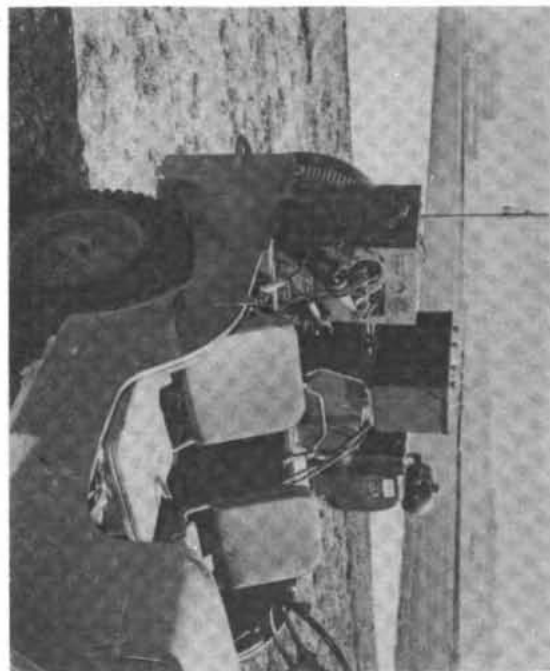
COMBINED WEIGHT OF COMPONENTS:

250# PLUS JEEP.

COMBINED VOLUME OF COMPONENTS:

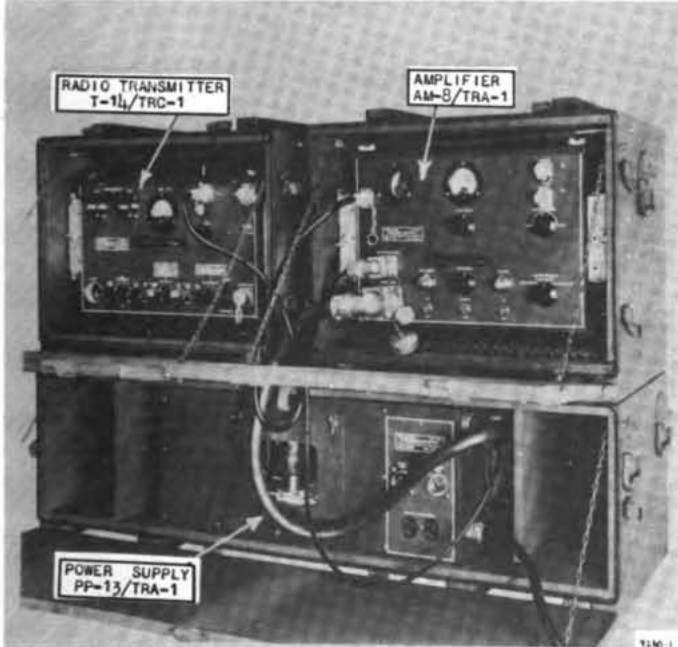
SHIP TONNAGE:

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



THIS SHEET IS CLASSIFIED: **RESTRICTED**

(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

| INSTRUCTIONAL LITERATURE:                                                                                                                                                                                        | STATUS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       | NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.                         | NOMENCLATURE DESIGNATION: <b>AN/TRA-1</b> |                                                                                  |        |                |        |       |       |                      |  |  |  |  |                   |                          |  |  |  |  |              |                             |  |  |  |  |              |                                      |  |  |  |  |  |                         |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------|--------|----------------|--------|-------|-------|----------------------|--|--|--|--|-------------------|--------------------------|--|--|--|--|--------------|-----------------------------|--|--|--|--|--------------|--------------------------------------|--|--|--|--|--|-------------------------|--|--|--|--|--|--------------------------------|--|--|--|--|--|--------------------------------|--|--|--|--|--|---------------|--|--|--|--|--|--|--|
|  <p>Radio Transmitter T-14/TRC-1, Amplifier AM-8/TRA-1, and Power Supply PP-13/TRA-1, Placement</p> | CHANGE IN STATUS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> ) |                                           | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> ) |        |                |        |       |       |                      |  |  |  |  |                   |                          |  |  |  |  |              |                             |  |  |  |  |              |                                      |  |  |  |  |  |                         |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                  | <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       |                                                                                   |                                           |                                                                                  |        |                |        |       |       |                      |  |  |  |  |                   |                          |  |  |  |  |              |                             |  |  |  |  |              |                                      |  |  |  |  |  |                         |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                  | <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-8/TRA-1</td> <td></td> <td></td> <td></td> <td></td> <td><b>RESTRICTED</b></td> </tr> <tr> <td>POWER SUPPLY PP-13/TRA-1</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>SPARE PARTS KIT MK-11/TRA-1</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>FOR ANTENNA EQUIPMENT SEE BASIS SETS</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TRC-1, TRC-3 AND TRC-4.</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 | AMPLIFIER AM-8/TRA-1 |  |  |  |  | <b>RESTRICTED</b> | POWER SUPPLY PP-13/TRA-1 |  |  |  |  | UNCLASSIFIED | SPARE PARTS KIT MK-11/TRA-1 |  |  |  |  | UNCLASSIFIED | FOR ANTENNA EQUIPMENT SEE BASIS SETS |  |  |  |  |  | TRC-1, TRC-3 AND TRC-4. |  |  |  |  |  | COMBINED WEIGHT OF COMPONENTS: |  |  |  |  |  | COMBINED VOLUME OF COMPONENTS: |  |  |  |  |  | SHIP TONNAGE: |  |  |  |  |  |  |  |
| ITEM                                                                                                                                                                                                             | DIMENSIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                   | WEIGHT                                    | CLASSIFICATION                                                                   |        |                |        |       |       |                      |  |  |  |  |                   |                          |  |  |  |  |              |                             |  |  |  |  |              |                                      |  |  |  |  |  |                         |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                  | HEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | WIDTH | DEPTH                                                                             |                                           |                                                                                  |        |                |        |       |       |                      |  |  |  |  |                   |                          |  |  |  |  |              |                             |  |  |  |  |              |                                      |  |  |  |  |  |                         |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |  |  |
| AMPLIFIER AM-8/TRA-1                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |                                                                                   |                                           | <b>RESTRICTED</b>                                                                |        |                |        |       |       |                      |  |  |  |  |                   |                          |  |  |  |  |              |                             |  |  |  |  |              |                                      |  |  |  |  |  |                         |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |  |  |
| POWER SUPPLY PP-13/TRA-1                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |                                                                                   |                                           | UNCLASSIFIED                                                                     |        |                |        |       |       |                      |  |  |  |  |                   |                          |  |  |  |  |              |                             |  |  |  |  |              |                                      |  |  |  |  |  |                         |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |  |  |
| SPARE PARTS KIT MK-11/TRA-1                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |                                                                                   |                                           | UNCLASSIFIED                                                                     |        |                |        |       |       |                      |  |  |  |  |                   |                          |  |  |  |  |              |                             |  |  |  |  |              |                                      |  |  |  |  |  |                         |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |  |  |
| FOR ANTENNA EQUIPMENT SEE BASIS SETS                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |                                                                                   |                                           |                                                                                  |        |                |        |       |       |                      |  |  |  |  |                   |                          |  |  |  |  |              |                             |  |  |  |  |              |                                      |  |  |  |  |  |                         |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |  |  |
| TRC-1, TRC-3 AND TRC-4.                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |                                                                                   |                                           |                                                                                  |        |                |        |       |       |                      |  |  |  |  |                   |                          |  |  |  |  |              |                             |  |  |  |  |              |                                      |  |  |  |  |  |                         |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |  |  |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |                                                                                   |                                           |                                                                                  |        |                |        |       |       |                      |  |  |  |  |                   |                          |  |  |  |  |              |                             |  |  |  |  |              |                                      |  |  |  |  |  |                         |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |  |  |
| COMBINED VOLUME OF COMPONENTS:                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |                                                                                   |                                           |                                                                                  |        |                |        |       |       |                      |  |  |  |  |                   |                          |  |  |  |  |              |                             |  |  |  |  |              |                                      |  |  |  |  |  |                         |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |  |  |
| SHIP TONNAGE:                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |                                                                                   |                                           |                                                                                  |        |                |        |       |       |                      |  |  |  |  |                   |                          |  |  |  |  |              |                             |  |  |  |  |              |                                      |  |  |  |  |  |                         |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |  |  |

THIS SHEET IS CLASSIFIED: **RESTRICTED**

THIS SHEET IS CLASSIFIED: RESTRICTED

**AN/TRC-1**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
18 OCT 43

INSTRUCTIONAL LITERATURE:

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

FREQUENCY RANGE: (Mc) 70 - 100  
 NUMBER OF CRYSTALS: BANK OF 16 PER SET  
 PRESET FREQUENCIES: ONE  
 ANTENNA: 3 ELEMENT HORIZONTAL ON 40 FT. MAST.  
 TUNING: (MD OR XTAL) XTAL  
 SENSITIVITY: SELECTIVITY:  
 POWER SOURCE: 115/230 V, A.C., 50/60 CYCLES,  
 SINGLE PHASE.  
 SIMILAR SETS: AN/TRC-3 AN/TRC-4  
 POWER OUTPUT: (WATTS) 50 ON VOICE  
 TUBES: (TYPE AND NUMBER)  
 TRANS. T-14/TRC-1  
 1 6SL7GT  
 1 6AC6  
 1 6V6GT  
 1 6J5GT  
 1 815  
 RECV. R-19/TRC-1  
 1 7BT  
 1 7CT  
 1 6K6  
 1 6SL7GT  
 1 6V6GT  
 1 6J5GT  
 1 6X5GT

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

USE: AIR FORCES, SIGNAL CORPS.

RANGE: (MILES) 25

TO COMMUNICATE WITH: AN/TRC-1

TO REPLACE IN PART: F.M. LINK CO. COMMERCIAL  
MODEL 1498.

TRANSPORTATION: VEHICLE

TYPE OF SIGNAL: F.M.

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

TRANS. T-14/TRC-1  
 RECV. R-19/TRC-1  
 POWER UNIT PE-75  
 ANTENNA AS-19/TRC-1

SEE REMARKS

SEE REMARKS

64#

42#

RESTRICTED

RESTRICTED

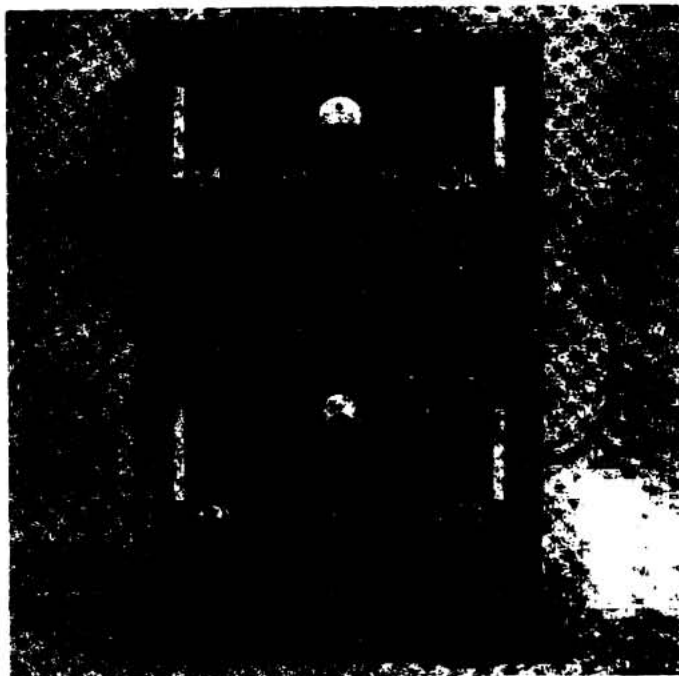
UNCLASSIFIED

RESTRICTED

COMBINED WEIGHT OF COMPONENTS:

COMBINED VOLUME OF COMPONENTS:

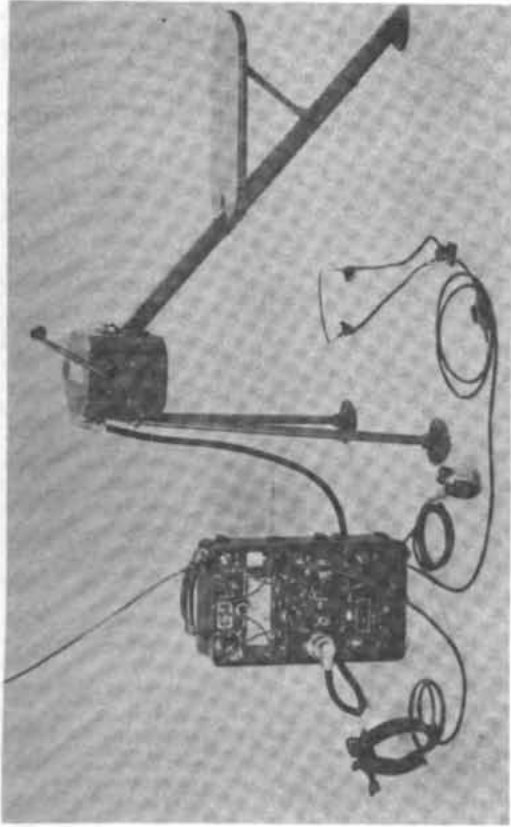
SHIP TONNAGE:



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

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

THIS SHEET IS CLASSIFIED: RESTRICTED

| INSTRUCTIONAL LITERATURE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | STATUS:              | STANDARD<br>25 Aug 43 | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | NOMENCLATURE<br>DESIGNATION: | <b>AN/TRC-2</b>                                                                                                                                                                                                                                                                                                                                                                                |       |      |                                                                       |                |  |        |                |        |       |       |                           |  |  |  |  |                                                                       |                       |  |  |  |  |                      |  |  |  |  |                                    |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|-----------------------------------------------------------------------|----------------|--|--------|----------------|--------|-------|-------|---------------------------|--|--|--|--|-----------------------------------------------------------------------|-----------------------|--|--|--|--|----------------------|--|--|--|--|------------------------------------|--|--|--|--|--------------------------------|--|--|--|--|--|--------------------------------|--|--|--|--|--|---------------|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CHANGE IN<br>STATUS: |                       | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> )<br>FREQUENCY RANGE: (MC) 2 - 6.5 (BC-1306-3.8-6.5);<br>RT-12/TRC-2 (2-3.5)<br>NUMBER OF CRYSTALS: 6 PER SET<br>PRESET FREQUENCIES:<br>ANTENNA: A CHOICE; 2 INVERTED L TYPE WITH COUNTER-<br>POISE OR 1/2 WAVE HORIZONTAL<br>TUNING: (MO OR XTAL) MO AND XTAL<br>SENSITIVITY: SELECTIVITY:<br>POWER SOURCE: HAND GENERATOR GN-53 OR POWER UNIT<br>PE-162<br>SIMILAR SETS: SCR-694<br>POWER OUTPUT: (WATTS) 30 ON A-1; 6 ON A-3<br>TUBES: (TYPE AND NUMBER) 4-1L4 2-50L4<br>4-1R5 2-2E22<br>2-135 2-VR105<br>4-3A4                                                                                                                                                                                                                                                                                                         |                              | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> )<br>USE: SPECIAL, LONG RANGE, MAN PACK SET FOR COM-<br>MUNICATION FROM ISOLATED UNITS TO HEAD-<br>QUARTERS.<br>RANGE: APPROXIMATELY 100 MILES ON CW<br>TO COMMUNICATE WITH: SCR-299; SCR-694<br>TO REPLACE IN PART: NONE.<br>TRANSPORTATION: MAN PACK, REQUIRES 12 TO 14 MEN.<br>TYPE OF SIGNAL: A-1; A-3 (AM) |       |      |                                                                       |                |  |        |                |        |       |       |                           |  |  |  |  |                                                                       |                       |  |  |  |  |                      |  |  |  |  |                                    |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |
|  <p>BASIC COMPONENTS OF RADIO SET AN/TRC-2, SET UP FOR FIELD OPERATION, SHOW-<br/>         ING GENERATOR AND STEEL TAPE ANTENNA. TWO IDENTICAL TRANSMITTER-RECEIVER<br/>         UNITS OF THE TYPE PICTURED ARE USED WITH RADIO SET AN/TRC-2 DIFFERING IN<br/>         FREQUENCY COVERAGE ONLY. THIS EQUIPMENT IS DESIGNED FOR RESISTANCE TO<br/>         TROPICAL CONDITIONS; HIGH HUMIDITY AND EXTREME HIGH AND LOW TEMPERATURE.</p> |                      |                       | <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                                                                                                                                                                                                                                                                                                                                                                                                |       |      |                                                                       |                |  |        |                |        |       |       |                           |  |  |  |  |                                                                       |                       |  |  |  |  |                      |  |  |  |  |                                    |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |                       | <table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>TRANS. &amp; REQ. RT-12/TRC-2</td> <td></td> <td></td> <td></td> <td></td> <td rowspan="4"> <b>RESTRICTED</b><br/><br/> <b>RESTRICTED</b><br/><br/> <b>UNCLASSIFIED</b> </td> </tr> <tr> <td>TRANS. &amp; REQ. BC-1306</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>HAND GENERATOR GN-53</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>GASOLINE ENGINE DRIVEN GEN. PE-162</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6">COMBINED WEIGHT OF COMPONENTS:</td> </tr> <tr> <td colspan="6">COMBINED VOLUME OF COMPONENTS:</td> </tr> <tr> <td colspan="6">SHIP TONNAGE:</td> </tr> </tbody> </table> |                              |                                                                                                                                                                                                                                                                                                                                                                                                |       | ITEM | DIMENSIONS                                                            |                |  | WEIGHT | CLASSIFICATION | HEIGHT | WIDTH | DEPTH | TRANS. & REQ. RT-12/TRC-2 |  |  |  |  | <b>RESTRICTED</b><br><br><b>RESTRICTED</b><br><br><b>UNCLASSIFIED</b> | TRANS. & REQ. BC-1306 |  |  |  |  | HAND GENERATOR GN-53 |  |  |  |  | GASOLINE ENGINE DRIVEN GEN. PE-162 |  |  |  |  | COMBINED WEIGHT OF COMPONENTS: |  |  |  |  |  | COMBINED VOLUME OF COMPONENTS: |  |  |  |  |  | SHIP TONNAGE: |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |                       | ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DIMENSIONS                   |                                                                                                                                                                                                                                                                                                                                                                                                |       |      | WEIGHT                                                                | CLASSIFICATION |  |        |                |        |       |       |                           |  |  |  |  |                                                                       |                       |  |  |  |  |                      |  |  |  |  |                                    |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | HEIGHT                       | WIDTH                                                                                                                                                                                                                                                                                                                                                                                          | DEPTH |      |                                                                       |                |  |        |                |        |       |       |                           |  |  |  |  |                                                                       |                       |  |  |  |  |                      |  |  |  |  |                                    |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |                       | TRANS. & REQ. RT-12/TRC-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              |                                                                                                                                                                                                                                                                                                                                                                                                |       |      | <b>RESTRICTED</b><br><br><b>RESTRICTED</b><br><br><b>UNCLASSIFIED</b> |                |  |        |                |        |       |       |                           |  |  |  |  |                                                                       |                       |  |  |  |  |                      |  |  |  |  |                                    |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |
| TRANS. & REQ. BC-1306                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                                                                                                                                                                                                                                                                                                                                                |       |      |                                                                       |                |  |        |                |        |       |       |                           |  |  |  |  |                                                                       |                       |  |  |  |  |                      |  |  |  |  |                                    |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |
| HAND GENERATOR GN-53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                                                                                                                                                                                                                                                                                                                                                |       |      |                                                                       |                |  |        |                |        |       |       |                           |  |  |  |  |                                                                       |                       |  |  |  |  |                      |  |  |  |  |                                    |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |
| GASOLINE ENGINE DRIVEN GEN. PE-162                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                                                                                                                                                                                                                                                                                                                                                |       |      |                                                                       |                |  |        |                |        |       |       |                           |  |  |  |  |                                                                       |                       |  |  |  |  |                      |  |  |  |  |                                    |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                                                                                                                                                                                                                                                                                                                                                |       |      |                                                                       |                |  |        |                |        |       |       |                           |  |  |  |  |                                                                       |                       |  |  |  |  |                      |  |  |  |  |                                    |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |
| COMBINED VOLUME OF COMPONENTS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                                                                                                                                                                                                                                                                                                                                                |       |      |                                                                       |                |  |        |                |        |       |       |                           |  |  |  |  |                                                                       |                       |  |  |  |  |                      |  |  |  |  |                                    |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |
| SHIP TONNAGE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                                                                                                                                                                                                                                                                                                                                                |       |      |                                                                       |                |  |        |                |        |       |       |                           |  |  |  |  |                                                                       |                       |  |  |  |  |                      |  |  |  |  |                                    |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |               |  |  |  |  |  |

**AN/TRC-3**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

INSTRUCTIONAL LITERATURE:

**PART A - TECHNICAL CHARACTERISTICS**

(CLASSIFICATION: RESTRICTED)

FREQUENCY RANGE: (Mc) 70-100 MEGAHERTZ  
(300 CHANNELS)NUMBER OF CRYSTALS: 964 (BANK OF 900 ON 300  
FREQUENCIES PLUS 64 CRYSTALS ON 16 "BASIC"  
FREQUENCIES.)

PRESET FREQUENCIES: ONE.

ANTENNA: 3 ELEMENT HORIZONTAL ARRAY.

TUNING: (MO OR XTAL) XTAL (RECEIVER AND TRANSMITTER)

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 115 VOLT AC, 60 CYCLE, SINGLE PHASE,  
(POWER UNIT PE-75)

SIMILAR SETS: AN/TRC-1, AN/TRC-4

POWER OUTPUT: (WATTS) 50

TUBES: (TYPE AND NUMBER) 5-6AC7 3-6SN7GT  
2-6H6 5-6V6GT  
8-6SN7 1-6X5GT  
2-5RLGY 1-829  
3-6SL7GT**PART B - TACTICAL CHARACTERISTICS**

(CLASSIFICATION: RESTRICTED)

USE: ARMY GROUND FORCES, ARMY SERVICE FORCES.

RANGE: 25-33 MILES, OR MORE ACCORDING TO TERRAIN  
AND USE OF AMPLIFIER EQUIPMENT AN/TMA-1.TO COMMUNICATE WITH: AN/TRC-1, AN/TRC-4 AND F.M.  
LINK MODEL 1498, 1505.

TO REPLACE IN PART: NONE

TRANSPORTATION: VEHICULAR

TYPE OF SIGNAL: A-3 (FM)

CHANGE IN  
STATUS:

THE TWO RADIO RECEIVERS, R-19/TRC-1 AND TRANSMITTERS, T-14/TRC-1, IN CHESTS AS PICTURED BELOW, ARE PROPER COMPONENTS FOR RADIO SET AN/TRC-3, BUT THE CORDING SHOWN IS NOT THAT USED TO PERFORM THE FUNCTIONS OF AN/TRC-3. RADIO TERMINAL SET AN/TRC-3 IS USED WITH, AND CONNECTIONS ARE NORMALLY MADE TO, CARRIER TELEPHONE TERMINAL EQUIPMENT TC-21, AND/OR CARRIER TELEGRAPH TERMINAL EQUIPMENT TC22 FOR MULTI-CHANNEL CARRIER COMMUNICATION SYSTEMS

**PART C - PRINCIPAL COMPONENTS**

(CLASSIFICATION: RESTRICTED)

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

2 TRANSMITTER T-14/TRC-1

RESTRICTED

2 RECEIVER R-19/TRC-1

RESTRICTED

2 ANTENNA SYSTEM AS-19/TRC-1

RESTRICTED

3 POWER UNIT PE-75

UNCLASSIFIED

1 MAINTENANCE EQUIPMENT MK-5/TRC-3

RESTRICTED

COMBINED WEIGHT OF COMPONENTS:

COMBINED VOLUME OF COMPONENTS:

SHIP TONNAGE:

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

INSTRUCTIONAL LITERATURE:

STATUS:

CHANGE IN  
STATUS:NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.NOMENCLATURE  
DESIGNATION:**AN/TRC-4****PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: **RESTRICTED**)

FREQUENCY RANGE: (Mc) 70-100 (300 CHANNEL)

NUMBER OF CRYSTALS: 96 WITH SET, ON 16 "BASIO"  
FREQUENCIES. FOR ADDITIONAL CRYSTALS, SEE CASE  
CY-44/TRC-1 CONTAINING 900 CRYSTALS, (PART OF  
RADIO TERMINAL SET AN/TRC-3)

PRESET FREQUENCIES: ONE

ANTENNA: 3 ELEMENT HORIZONTAL ARRAY.

TUNING: (MO OR XTAL) XTAL (RECEIVER &amp; TRANSMITTER)

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 115 VOLT AC 60 CYCLE, SINGLE PHASE  
(POWER UNIT PE-75)

SIMILAR SETS: AN/TRC-1, AN/TRC-3

POWER OUTPUT: (WATTS) 50

TUBES: (TYPE AND NUMBER) 10-6AC7 4-5R4QY 10-6V6GT  
4-6H6 5-6SL7GT 2-6X5GT  
15-6SH7 5-6SN7GT 2-829**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: **RESTRICTED**)

USE:

RANGE: 25-33 MILES (OR MORE ACCORDING TO TERRAIN  
AND USE OF AMP. AN/TRC-1)TO COMMUNICATE WITH: AN/TRC-1, AN/TRC-3 (AND F.M.  
LINK TYPE 1498 OR 1505)

TO REPLACE IN PART: NONE

TRANSPORTATION: VEHICULAR

TYPE OF SIGNAL: A-3 (FM)

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

3 TRANSMITTER T-14/TRC-1

3 RECEIVER R-19/TRC-1

4 ANTENNA SYSTEM AS-19/TRC-1

3 POWER UNIT PE-75

1 MAINTENANCE EQUIPMENT MK-6/TRC-4

COMBINED WEIGHT OF COMPONENTS:

COMBINED VOLUME OF COMPONENTS:

SHIP TONNAGE:

**RESTRICTED**  
**RESTRICTED**  
**RESTRICTED**  
  
UNCLASSIFIED  
**RESTRICTED**

PHOTOGRAPH SHOWS SOME OF THE COMPONENTS OF RADIO RELAY SET AN/TRC-4. THE SET BEING  
HOUSED IN WEAPONS CARRIER, FOR FIXED OPERATION. THIS PHOTOGRAPH, HOWEVER, DOES NOT  
SHOW NORMAL STANDBY EQUIPMENT TO PROVIDE 24-HOUR CONTINUOUS OPERATION. ILLUSTRATED  
INSTALLATION IN WEAPONS CARRIER SHOULD NOT BE CONSTRUED AS NORMAL PRACTICE.

AN/TRC-4 IS A 50 WATT, FM RADIO RECEIVING AND TRANSMITTING EQUIPMENT FOR USE AS A  
REPEATER STATION IN A RADIO RELAY, MULTI, OR SINGLE-CHANNEL COMMUNICATION SYSTEM.  
AUDIO CHARACTERISTICS: FLAT RESPONSE 200-12,000 Cps. THIS SET HAS STANDBY EQUIP-  
MENT FOR 24-HOUR CONTINUOUS OPERATION.

**RC-39**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
25 OCT 39INSTRUCTIONAL LITERATURE:  
(HMI) 08-10-39**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION )

FREQUENCY RANGE: (Mc) 62 TO 80  
 NUMBER OF CRYSTALS: NONE  
 PRESET FREQUENCIES: 75 Mc.  
 ANTENNA: 1/2 WAVE ANTENNA  
 TUNING: (MO OR XTAL)  
 SENSITIVITY: ABOUT 2000 MICROVOLTS/METER  
 SELECTIVITY:  
 POWER SOURCE: 12 VOLTS FROM AIRCRAFT BATTERY AND  
 HIGH VOLTAGE FROM RADIO COMPASS.  
 SIMILAR SETS: RC-43  
 POWER OUTPUT: (WATTS)  
 TUBES: (TYPE AND NUMBER) (1) VT-53  
 (1) VT-104

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

USE: TO RECEIVE 75 Mc. MARKER BEACON SIGNALS.  
 RANGE:  
 TO COMMUNICATE WITH: RC-115, AN/MRN-3  
 TO REPLACE IN PART: RC-20  
 TRANSPORTATION: AIRBORNE  
 TYPE OF SIGNAL: M. C. W.

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

ITEM

## DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

RADIO RECEIVER BC-341

5 3/8 "

5 3/8 "

3 7/16 "

2.65 #

UNCLASSIFIED

COMBINED WEIGHT OF COMPONENTS:

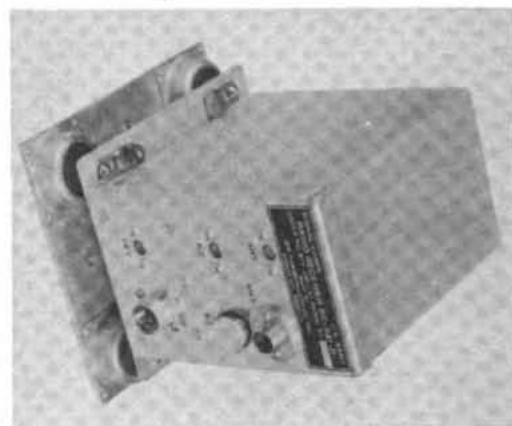
4.50 #

COMBINED VOLUME OF COMPONENTS:

1 CU. FT.

SHIP TONNAGE:

RADIO RECEIVER BC-341



|                                                                                                                          |                                  |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |        |                |
|--------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------|----------------|
| INSTRUCTIONAL LITERATURE:<br>(HMI) 08-10-29                                                                              | STATUS:<br><br>CHANGE IN STATUS: | STANDARD<br>31 Oct 39 | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NOMENCLATURE DESIGNATION: <b>RC-43</b> |        |                |
| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">MARKER BEACON RECEIVING EQUIPMENT RC-43, COMPONENTS</p> |                                  |                       | <p><b>PART A - TECHNICAL CHARACTERISTICS</b><br/>(CLASSIFICATION: )</p> <p>FREQUENCY RANGE: (Mo) 62 to 80<br/>         NUMBER OF CRYSTALS: NONE<br/>         PRESET FREQUENCIES: 75 Mo.<br/>         ANTENNA: 1/2 WAVE ANTENNA</p> <p>TUNING: (MO OR XTAL)<br/>         SENSITIVITY: ABOUT 2000 MICROVOLTS/METER<br/>         SELECTIVITY:<br/>         POWER SOURCE: 2 1/2 VOLTS FROM AIRCRAFT BATTERY<br/>         AND HIGH VOLTAGE FROM RADIO COMPASS.</p> <p>SIMILAR SETS: RC-39<br/>         POWER OUTPUT: (WATTS) NONE</p> <p>TUBES: (TYPE AND NUMBER) (1) VT - 153<br/>         (1) VT - 104</p> <p><b>PART B - TACTICAL CHARACTERISTICS</b><br/>(CLASSIFICATION: )</p> <p>USE: To receive 75 Mo. MARKER BEACON SIGNALS.</p> <p>RANGE:<br/>         TO COMMUNICATE WITH: RC-115, AN/MRN-3<br/>         TO REPLACE IN PART: RC-20<br/>         TRANSPORTATION: AIRBORNE<br/>         TYPE OF SIGNAL: M.C.W.</p> |                                        |        |                |
| <p><b>PART C - PRINCIPAL COMPONENTS</b><br/>(CLASSIFICATION: )</p>                                                       |                                  |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |        |                |
| ITEM                                                                                                                     |                                  | DIMENSIONS            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        | WEIGHT | CLASSIFICATION |
| RADIO RECEIVER BC-357                                                                                                    |                                  | HEIGHT<br>5 3/8 "     | WIDTH<br>5 3/8 "                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DEPTH<br>3 7/16 "                      | 2.65 # | UNCLASSIFIED   |
| COMBINED WEIGHT OF COMPONENTS:                                                                                           |                                  |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        | 4.50 # |                |
| COMBINED VOLUME OF COMPONENTS:                                                                                           |                                  |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |        |                |
| SHIP TONNAGE:                                                                                                            |                                  |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |        |                |



## INSTRUCTIONAL LITERATURE:

(HMI)AN-08-10-176  
(ON RC-115-A)

STATUS:

CHANGE IN  
STATUS:NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.NOMENCLATURE  
DESIGNATION:**RC-115**PART A - TECHNICAL CHARACTERISTICS  
(CLASSIFICATION: )

FREQUENCY RANGE: (MO) NONE

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: 75 MC.

ANTENNA: ONE DIPOLE

TUNING: (MO OR XTAL) MO

SENSITIVITY:

SELECTIVITY:

POWER SOURCE: 115 V 50-60 CYCLES 110 WATTS

SIMILAR SETS: NONE

POWER OUTPUT: (WATTS) ONE

TUBES: (TYPE AND NUMBER)

|   |        |             |
|---|--------|-------------|
| 1 | VT-74  | (5Z4)       |
| 2 | VT-139 | (VR-150-30) |
| 1 | VT-188 | (7E6)       |
| 2 | VT-189 | (7F7)       |
| 1 |        | (7N7)       |
| 5 |        | (7C5)       |

PART B - TACTICAL CHARACTERISTICS  
(CLASSIFICATION: )USE: MARKER BEACON TRANSMITTER TO INDICATE SPOT  
ON GROUND TO AIRCRAFT. USED IN BLIND APPROACH  
OR INSTRUMENT LANDING.

RANGE: 10,000 FEET STRAIGHT UP.

TO COMMUNICATE WITH: RC-39, RC-43, RC-193, RC-193Z,  
AN/ARN-8.

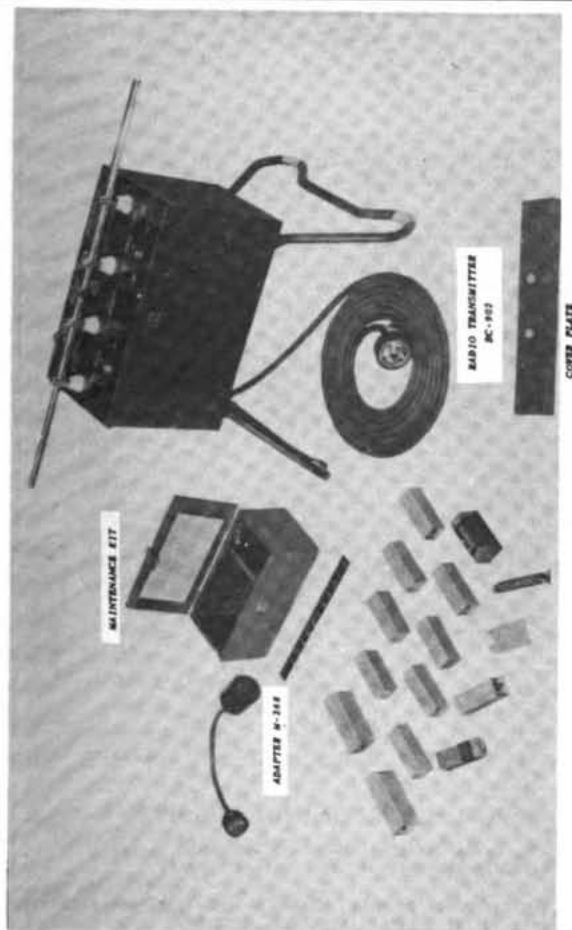
TO REPLACE IN PART: BC-302

TRANSPORTATION: PLANE OR ANY VEHICLE.

TYPE OF SIGNAL: CW, MCB-400, 1300, 3000 CYCLES  
KEYED 6 DOTS PER SECOND OR 2 DASHES PER  
SECOND.PART C - PRINCIPAL COMPONENTS  
(CLASSIFICATION: )

| ITEM                           | DIMENSIONS |       |            | WEIGHT | CLASSIFICATION |
|--------------------------------|------------|-------|------------|--------|----------------|
|                                | HEIGHT     | WIDTH | DEPTH      |        |                |
| RADIO TRANSMITTER BC-902       | 22"        | 31"   | 18"        | 51#    | RESTRICTED     |
| COMBINED WEIGHT OF COMPONENTS: |            |       |            | 51#    |                |
| COMBINED VOLUME OF COMPONENTS: |            |       | 7.5 CU.FT. |        |                |
| SHIP TONNAGE:                  |            |       |            |        |                |

COMPONENTS OF MARKER BEACON TRANSMITTING EQUIPMENT RC-115-A



THIS SHEET IS CLASSIFIED: **RESTRICTED****RC-193, 193-Z**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

INSTRUCTIONAL LITERATURE:

(HMI) AN-08-10-194

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

FREQUENCY RANGE: (Mo) 75

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: (Mo) 75

ANTENNA: 1/2 WAVE

TUNING: (MO OR XTAL) NONE

SENSITIVITY: ABOUT 2000 MICROVOLTS/METER

SELECTIVITY:

POWER SOURCE: LOW AND HIGH VOLTAGE SUPPLIED BY  
AIRPLANE 24 V. BATTERY. SEE NOTE\*

SIMILAR SETS: RC-39, RC-43

POWER OUTPUT (WATTS)

TUBES: (TYPE AND NUMBER) (1) 6SH7  
(1) 6SL7-GT(VT-229)  
(1) 12SN7-GT**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: **RESTRICTED**)

USE: TO RECEIVE 75 MO MARKER BEACON SIGNALS.

RANGE: DOES NOT APPLY.

TO COMMUNICATE WITH: RC-115, AN/MRN-3

TO REPLACE IN PART: RC-39, RC-43

TRANSPORTATION: AIRBORNE

TYPE OF SIGNAL: M.C.W.

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

RADIO RECEIVER RC-1023 &amp; 1033

5 3/8"

5 3/8"

3 7/16"

2.47#

**RESTRICTED**

COMBINED WEIGHT OF COMPONENTS:

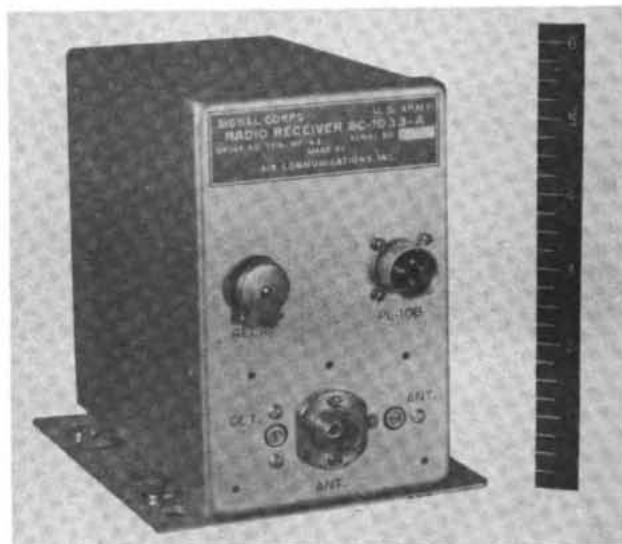
3.17#

COMBINED VOLUME OF COMPONENTS:

.5 CU. FT.

SHIP TONNAGE:

4.5 LBS. (APPROX.)



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

THIS RECEIVER DIFFERS FROM RC-39 AND RC-43 IN THAT  
IT DOES NOT REQUIRE ANY HIGH VOLTAGE SUPPLY.\* NOTE REGARDING POWER SOURCE: RC-193 AND RC-193-Z ARE IDENTICAL  
EXCEPT THAT RC-193-Z WORKS FROM 12 V. BATTERY.THIS SHEET IS CLASSIFIED: **RESTRICTED**

## INSTRUCTIONAL LITERATURE:

TM-11-237

## STATUS:

OBSOLETE  
1 Feb 44CHANGE IN  
STATUS:NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.NOMENCLATURE  
DESIGNATION:

SCR-131

PART A - TECHNICAL CHARACTERISTICS  
(CLASSIFICATION: )

FREQUENCY RANGE: TRANSMITTER 3.96 to 4.36. (MO)

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: NONE

ANTENNA: LOOP LP-7

TUNING: (MO OR CRYSTAL): MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: TRANSMITTER: HAND GENERATOR 10x100V.  
RECEIVER: DRY BATTERY 4 1/2 & 45 V.

SIMILAR SETS: SCR-161 (DIFFERENT FREQUENCY)

POWER OUTPUT: 5 WATTS

TUBES: (TYPE AND NUMBER) 1 - TYPE 10 VT-25  
3 - TYPE 864 VT-24PART 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, BHQ, CO., REGT HQ CO.,  
BN., SEC COM PLAT.

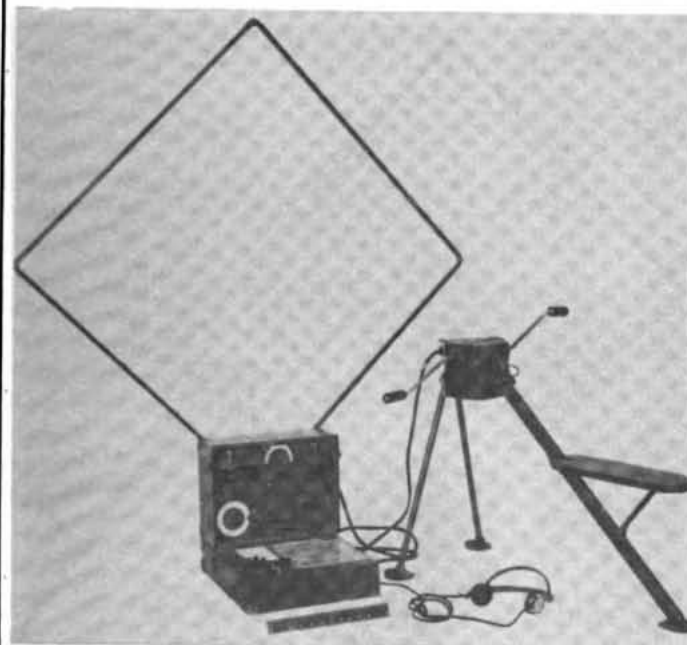
RANGE: 5 MILES.

TO COMMUNICATE WITH: SCR-131, SCR-193, SCR-245  
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: )

## ITEM

## DIMENSIONS

## HEIGHT

## WIDTH

## DEPTH

## WEIGHT

## CLASSIFICATION

TRANSMITTER &amp; RECEIVER, BC-148

HAND GENERATOR, GN-35

ANTENNA LOOP, LP-7

22#

20-1/4#

1-5/8#

COMBINED WEIGHT OF COMPONENTS:

76#

COMBINED VOLUME OF COMPONENTS:

6 Cu. Ft.

SHIP TONNAGE:

90#

RADIO SET SCR-131 IN OPERATING POSITION

LOW POWER, PORTABLE COMMUNICATION SET, REPLACED BY SCR-284

**SCR-161**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

OBSOLETE  
1 FEB 44

INSTRUCTIONAL LITERATURE:

TM 11-237

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

FREQUENCY RANGE: (MO) TRANS. 4.37 TO 5.1.

NUMBER OF CRYSTALS: NONE

ANTENNA: LOOP LP-7

TUNING: (MO OR XTAL): MO

SENSITIVITY: SELECTIVITY:

POWER SOURCES: TRANS.- HAND GENERATOR  
RECVR.- DRY BATTERY 4-1/2 & 45 v.

SIMILAR SOURCE: SCR-131 (DIFFERENT FREQUENCY)

POWER OUTPUT: (WATTS) 5

TUBES: (TYPE AND NUMBER) 1 BC-151 TRANS.-RECVR.  
1 - TYPE 10 VT-25  
3 - TYPE 864 VT-24**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: )

USE: USED BY FIELD ARTILLERY. COMMAND COMMUNICATION BETWEEN DIV. ARTILLERY AND REGIMENT AND FROM REGIMENT TO BATTALIONS. ALSO USED FOR LIAISON PURPOSES BETWEEN ARTILLERY UNITS. ON GROUND: BHQ. LT. MED. &amp; Hvy. REST. HQ. BN. HQ.

RANGE: (MILES) 5

TO COMMUNICATE WITH: SCR-161, SCR-288 AND SCR-245.

TO REPLACE IN PART: SCR-77-B AND 105.

TRANSPORTATION: CARRIED IN VEHICLE, TWO-MAN PACK, OR HORSE PACK.

TYPE OF SIGNAL: CW ONLY.

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

1 RADIO RECEIVER &amp; TRANSMITTER BC-151

1 HAND GENERATOR GN-35

1 ANTENNA LOOP LP-7

22 #

UNCLASSIFIED

20 1/4#

UNCLASSIFIED

1 5/8#

UNCLASSIFIED

COMBINED WEIGHT OF COMPONENTS:

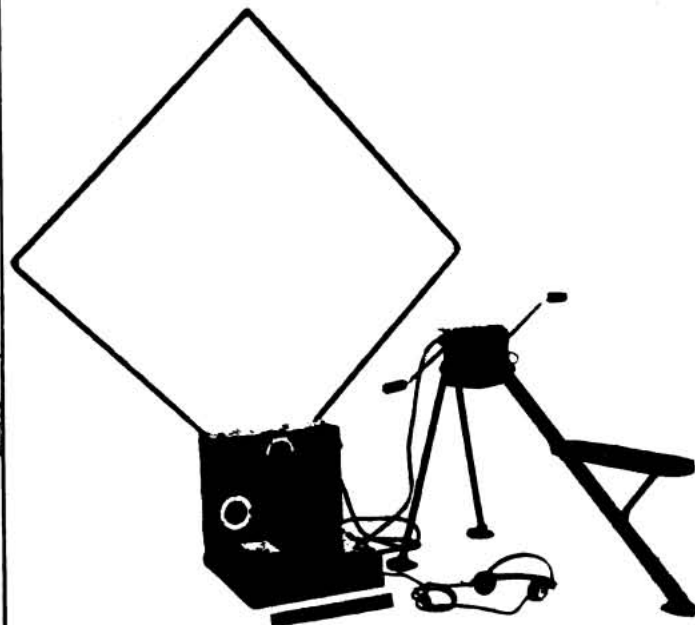
76#

COMBINED VOLUME:

6 cu. Ft.

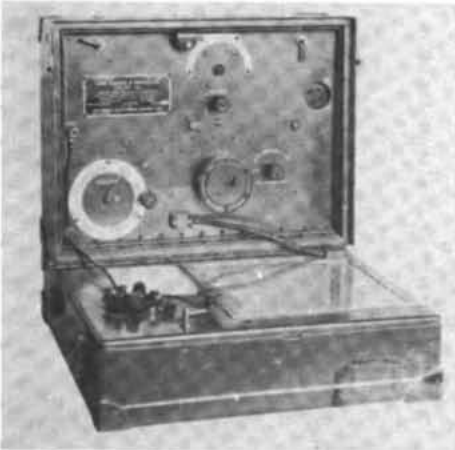
SHIP TONNAGE:

90#



RADIO SET SCR-161 IN OPERATING POSITION

LOW POWER, PORTABLE COMMUNICATION SET, REPLACED BY SCR-284

| INSTRUCTIONAL LITERATURE:<br>TR 1210-31                                                                                                                                                                                                                                                                                   | STATUS:<br><br>CHANGE IN STATUS: | OBSOLETE<br>1 FEB 44 | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NOMENCLATURE DESIGNATION: <b>SCR-171</b>                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                |  |        |                |        |       |       |                                     |  |  |  |      |              |                 |  |  |  |          |              |               |  |  |  |       |              |                                |  |  |  |  |  |                  |  |  |  |  |  |               |  |  |  |       |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|--|--------|----------------|--------|-------|-------|-------------------------------------|--|--|--|------|--------------|-----------------|--|--|--|----------|--------------|---------------|--|--|--|-------|--------------|--------------------------------|--|--|--|--|--|------------------|--|--|--|--|--|---------------|--|--|--|-------|--|
|  <p>           RADIO RECEIVER AND TRANSMITTER BC-156 (PART OF RADIO SET SCR-171)<br/>           IN OPERATING POSITION.<br/>           LOW POWER, FIELD COMMUNICATION SET, REPLACED BY SCR-284.         </p> |                                  |                      | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )<br><br>FREQUENCY RANGE: (MC) TRANS. 2.64 to 3.04.<br>NUMBER OF CRYSTALS: NONE.<br>PRESET FREQUENCIES: NONE<br>ANTENNA: 60 FT. "L" TYPE WITH COUNTERPOISE ON GROUND.<br>TUNING (MO OR XTAL): MO<br><br>SENSITIVITY: SELECTIVITY:<br>POWER SOURCE: TRANS.-HAND GENERATOR GN-35 10 & 400 V. RECVR.-4.5 & 45 V. DRY BATTERIES.<br>SIMILAR SETS: SCR-131, AND 161 (EXCEPT FREQUENCY AND ANTENNA).<br>POWER OUTPUT: (WATTS) 5<br>TUBES: (TYPE AND NUMBER) 1 - TYPE 10 VT-25<br>3 - TYPE 864 VT-24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )<br><br>USE: USED BY INFANTRY, FIELD ARTILLERY, SIGNAL CORPS, AIR CORPS, FOR COMD. COM. BETWEEN DIV. HQ. AND BRIGADES. ALSO BETWEEN DIV. HQ AND REGIMENT.<br><br>RANGE: (MILES) 15<br><br>TO COMMUNICATE WITH: SCR-171, SCR-203, SCR-245, SCR-193 AND SCR-238.<br>TO REPLACE IN PART: SCR-79-A, AND 130.<br><br>TRANSPORTATION: CARRIED IN VEHICLE, OPERATED ON GROUND.<br>TYPE OF SIGNAL: CW ONLY. |              |                |  |        |                |        |       |       |                                     |  |  |  |      |              |                 |  |  |  |          |              |               |  |  |  |       |              |                                |  |  |  |  |  |                  |  |  |  |  |  |               |  |  |  |       |  |
|                                                                                                                                                                                                                                                                                                                           |                                  |                      | <b>PART C - PRINCIPAL COMPONENTS</b><br>(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>RADIO RECEIVER &amp; TRANSMITTER BC-156</td> <td></td> <td></td> <td></td> <td>24 #</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>GENERATOR GN-35</td> <td></td> <td></td> <td></td> <td>20 1/4 #</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>ANTENNA AN-19</td> <td></td> <td></td> <td></td> <td>1.5 #</td> <td>UNCLASSIFIED</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>216 #</td> <td></td> </tr> </tbody> </table> | ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DIMENSIONS   |                |  | WEIGHT | CLASSIFICATION | HEIGHT | WIDTH | DEPTH | RADIO RECEIVER & TRANSMITTER BC-156 |  |  |  | 24 # | UNCLASSIFIED | GENERATOR GN-35 |  |  |  | 20 1/4 # | UNCLASSIFIED | ANTENNA AN-19 |  |  |  | 1.5 # | UNCLASSIFIED | COMBINED WEIGHT OF COMPONENTS: |  |  |  |  |  | COMBINED VOLUME: |  |  |  |  |  | SHIP TONNAGE: |  |  |  | 216 # |  |
| ITEM                                                                                                                                                                                                                                                                                                                      | DIMENSIONS                       |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | WEIGHT       | CLASSIFICATION |  |        |                |        |       |       |                                     |  |  |  |      |              |                 |  |  |  |          |              |               |  |  |  |       |              |                                |  |  |  |  |  |                  |  |  |  |  |  |               |  |  |  |       |  |
|                                                                                                                                                                                                                                                                                                                           | HEIGHT                           | WIDTH                | DEPTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                |  |        |                |        |       |       |                                     |  |  |  |      |              |                 |  |  |  |          |              |               |  |  |  |       |              |                                |  |  |  |  |  |                  |  |  |  |  |  |               |  |  |  |       |  |
| RADIO RECEIVER & TRANSMITTER BC-156                                                                                                                                                                                                                                                                                       |                                  |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 24 #                                                                                                                                                                                                                                                                                                                                                                                                                                                              | UNCLASSIFIED |                |  |        |                |        |       |       |                                     |  |  |  |      |              |                 |  |  |  |          |              |               |  |  |  |       |              |                                |  |  |  |  |  |                  |  |  |  |  |  |               |  |  |  |       |  |
| GENERATOR GN-35                                                                                                                                                                                                                                                                                                           |                                  |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 20 1/4 #                                                                                                                                                                                                                                                                                                                                                                                                                                                          | UNCLASSIFIED |                |  |        |                |        |       |       |                                     |  |  |  |      |              |                 |  |  |  |          |              |               |  |  |  |       |              |                                |  |  |  |  |  |                  |  |  |  |  |  |               |  |  |  |       |  |
| ANTENNA AN-19                                                                                                                                                                                                                                                                                                             |                                  |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.5 #                                                                                                                                                                                                                                                                                                                                                                                                                                                             | UNCLASSIFIED |                |  |        |                |        |       |       |                                     |  |  |  |      |              |                 |  |  |  |          |              |               |  |  |  |       |              |                                |  |  |  |  |  |                  |  |  |  |  |  |               |  |  |  |       |  |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                                                                                                                                                                            |                                  |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                |  |        |                |        |       |       |                                     |  |  |  |      |              |                 |  |  |  |          |              |               |  |  |  |       |              |                                |  |  |  |  |  |                  |  |  |  |  |  |               |  |  |  |       |  |
| COMBINED VOLUME:                                                                                                                                                                                                                                                                                                          |                                  |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                |  |        |                |        |       |       |                                     |  |  |  |      |              |                 |  |  |  |          |              |               |  |  |  |       |              |                                |  |  |  |  |  |                  |  |  |  |  |  |               |  |  |  |       |  |
| SHIP TONNAGE:                                                                                                                                                                                                                                                                                                             |                                  |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 216 #                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                |  |        |                |        |       |       |                                     |  |  |  |      |              |                 |  |  |  |          |              |               |  |  |  |       |              |                                |  |  |  |  |  |                  |  |  |  |  |  |               |  |  |  |       |  |

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

**SCR-177**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
26 Dec 33

INSTRUCTIONAL LITERATURE:

TM 11-232

**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: )FREQUENCY RANGE: (MO) TRANS: .4 TO .8; 1.5 TO 4.5  
RECVR: .4 TO 1.0; 1.5 TO 4.5.

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: NONE

ANTENNA: CROW-FOOT .4 TO .8 MO./1.5 TO 4.5;  
INVERTED "L". AN-21-A, 22-A, 23, 25, 26, & 27.

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: TRANS. BC-191-A. RECVR. BD-AA-69;  
BD-AB-69; BD-AC-69; BD-AD-69; BD-AE-69; WITH  
12- V. STORAGE BATTERY.

SIMILAR SETS: SCR-188

POWER OUTPUT: (WATTS) 75 AT 85% MOD.

TUBES: (TYPE AND NUMBER) TUBE CONTENT OF 177-A:  
1 BC-189-A; 3 36; 1 38; 4 39/44. 1 BC-191-A:  
1 10; 4 211.**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: )USE: Sig C: Sig BN, Div Sig Co, R.I. Co, AA Rest  
Hq, AA BN Hq Co.  
CAC: (TD) BHQ, Rest Hq, BN Hq.  
RY ARTY: (HD) BHQ, Rest Hq, BN Hq, BTRY (LTRO)  
AC.

RANGE: (MILES) CW-100; TONE-70; VOICE-30.

TO COMMUNICATE WITH: SCR-177-B; SCR-187; SCR-193;  
SCR-238; SCR-287.

TO REPLACE IN PART: SCR-132-A; SCR-136.

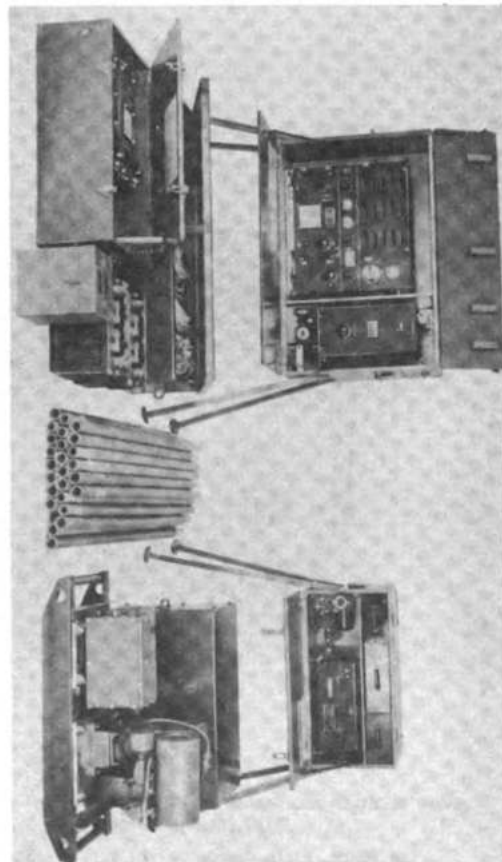
TRANSPORTATION: CARRIED IN VEHICLE OPERATED ON  
GROUND.

TYPE OF SIGNAL: CW; TONE; VOICE; A.M.

CHANGE IN  
STATUS:

MEDIUM POWER, MEDIUM FREQUENCY, GROUND COMMUNICATION SET. POINT-TO-POINT AND GROUND-TO-AIR COMMUNICATION. THE "A" MODEL DIFFERS FROM THE ORIGINAL IN THAT IT INCLUDES AN IMPROVED TRANS-MITTER; THESE MODEL DIFFERS FROM THE OTHERS IN THAT THE RECEIVER FREQUENCIES ARE COVERED BY TWO RECEIVERS WITH BUILT-IN COILS IN LIEU OF ONE RECEIVER WITH SEPARATE COIL SETS. SCR-177-B USES RECEIVERS BC-312 AND BC-311, WHICH TUNE 150 TO 18.0 Mc. TO BE PARTIALLY REPLACED BY SCR-543, MEDIUM POWER GROUND SET. SEE SCR-177-B.

RADIO SET SCR-177-A. PRINCIPAL COMPONENTS.

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

RADIO TRANS. BC-191-A  
RADIO RECVR. BC-189-A  
POWER UNIT PE-49

UNCLASSIFIED  
UNCLASSIFIED  
UNCLASSIFIED

COMBINED WEIGHT OF COMPONENTS:

860#

COMBINED VOLUME:

20 Cu. Ft.

SHIP TONNAGE:

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

INSTRUCTIONAL LITERATURE:  
TM 11-232

STATUS:

CHANGE IN  
STATUS:NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.NOMENCLATURE  
DESIGNATION:

SCR-177-B

PART A - TECHNICAL CHARACTERISTICS  
(CLASSIFICATION: )FREQUENCY RANGE: (MC) TRANS. .4 - .8; 1.5 - 4.5  
RECV. .15 - 18.0

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: NONE

ANTENNA: CROW-FOOT .4 TO .8 MC/1.5 TO 4.5;  
INVERTED "L". AN-21-A, 22-A, 23, 25, 26 & 27.

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: TRANS. PE-49; RECV. DM-21,  
AND 12V BATTERY.

SIMILAR SETS: SCR-188-A

POWER OUTPUT: (WATTS) 75 @ 100% MOD.

TUBES: (TYPE AND NUMBER) 4-6C5  
2-6F6  
8-6K7  
2-6L7  
2-6R7  
1-10  
4-211SPLPART B - TACTICAL CHARACTERISTICS  
(CLASSIFICATION: )USE: SIG C: SIG BN, DIV SIG CO, R. I. CO, AA REST  
HQ, AA BN HQ CO.  
CAC: (TD) BHQ, REST HQ, BN HQ.  
RY ARTY: (HD) BHQ, REST HQ, BN HQ, BTRY (LTRD) AC.

RANGE: (MILES) CW-100; TONE-70; VOICE-30.

TO COMMUNICATE WITH: SCR-177-B; SCR-187; SCR-193;  
SCR-238-A; SCR-287-A.

TO REPLACE IN PART: SCR-132-A; SCR-136; SCR-177-A.

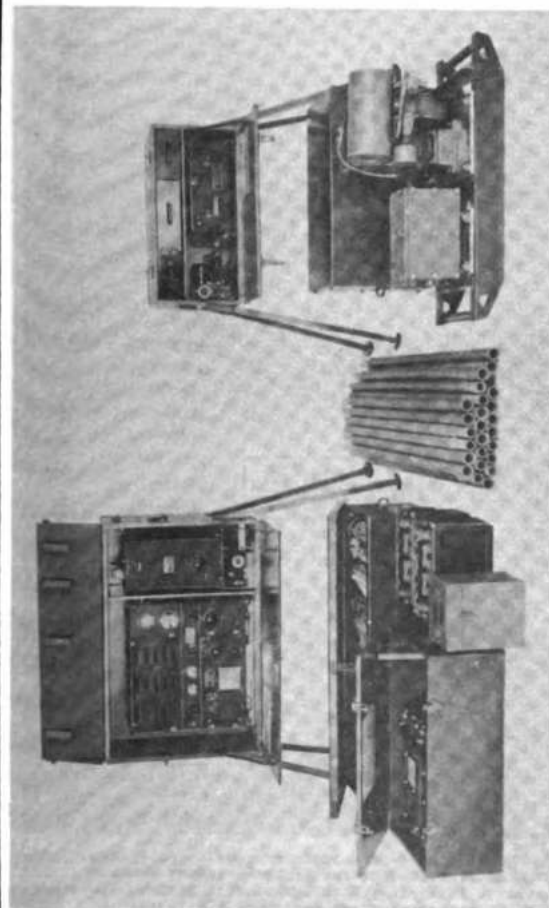
TRANSPORTATION: CARRIED IN VEHICLE, OPERATED ON  
GROUND.

TYPE OF SIGNAL: CW; TONE; VOICE; A.M.

PART C - PRINCIPAL COMPONENTS  
(CLASSIFICATION: )

| ITEM                           | DIMENSIONS |       |       | WEIGHT | CLASSIFICATION |
|--------------------------------|------------|-------|-------|--------|----------------|
|                                | HEIGHT     | WIDTH | DEPTH |        |                |
| TRANS. BC-191                  |            |       |       |        |                |
| RECV. BC-314                   |            |       |       |        |                |
| RECV. BC-312                   |            |       |       |        |                |
| POWER UNIT PE-49               |            |       |       |        |                |
| COMBINED WEIGHT OF COMPONENTS: |            |       |       |        |                |
| COMBINED VOLUME OF COMPONENTS: |            |       |       |        |                |
| SHIP TONNAGE:                  |            |       |       |        |                |

RADIO SET SCR-177--PRINCIPAL COMPONENTS

RADIO SET SCR-177-B IS THE SAME AS RADIO SET SCR-177 EXCEPT SCR-177-B USES  
RECEIVERS BC-312 AND BC-314 INSTEAD OF BC-189-A SHOWN IN ABOVE PHOTOGRAPH.

**SCR-178**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

OBSOLETE  
4 FEB 44

INSTRUCTIONAL LITERATURE:

TM 11-231

**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: )FREQUENCY RANGE: (MC) TRANS. 2.4 - 3.7.  
RECVR. 2.4 - 3.7.

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: NONE

ANTENNA: 27 FT. FISHPOLE WITH COUNTERPOISE.

TUNING (MC OR XTAL): MC

SENSITIVITY: SELECTIVITY:

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

SIMILAR SETS: SCR-179

POWER OUTPUT: (WATTS) CW - 5; TONE - 3; VOICE - 2.2  
TONE - 100%, VOICE - 90% MODULATION.TUBES: (TYPE AND NUMBER) TUBES: 1 BC-186, RECVR.  
2 TYPE 30, 2 TYPE 34.  
1 BC-187-A; 1 TYPE 10, 1 TYPE 865.  
1 MODULATOR BC-188-A; 2 TYPE 30.**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: )USE: USED BY FIELD ARTILLERY. ON GROUND: FA,  
MED., HVT, & LT. BN HQ, BNQ, REST HQ. FOR  
POINT TO POINT, AND GROUND TO PLANE BETWEEN  
ALL FA UNITS, (EXCEPT PACK) AND AIRCRAFT  
FOR OBSERVATION PURPOSES.RANGE: (MILES) POINT TO POINT: CW-25; TONE-20;  
VOICE-10.  
AIR TO GROUND: CW-100; TONE-75;  
VOICE-30.TO COMMUNICATE WITH: SCR-178; SCR-179 AND  
SCR-238.

TO REPLACE IN PART: SCR-109-A.

TRANSPORTATION: CARRIED IN VEHICLE.

TYPE OF SIGNAL: CW, TONE, VOICE.

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

1 RADIO TRANS. BC-187-(A)

12.2#

UNCLASSIFIED

1 RADIO MODULATOR BC-188-(A)

6.1#

UNCLASSIFIED

1 RADIO RECVR. BC-186

9.2#

UNCLASSIFIED

1 GENERATOR GN-37

30.0#

UNCLASSIFIED

COMBINED WEIGHT OF COMPONENTS:

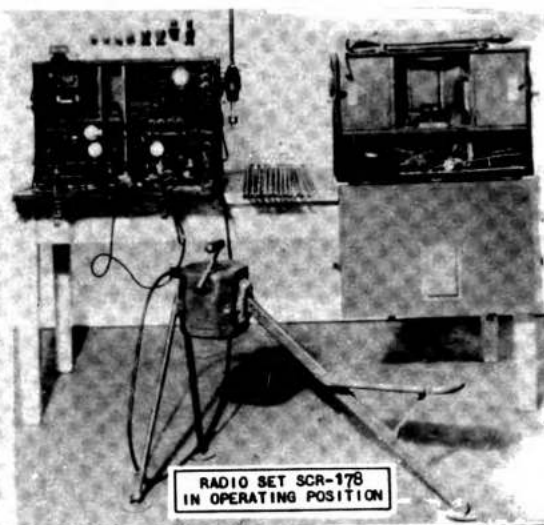
200 #

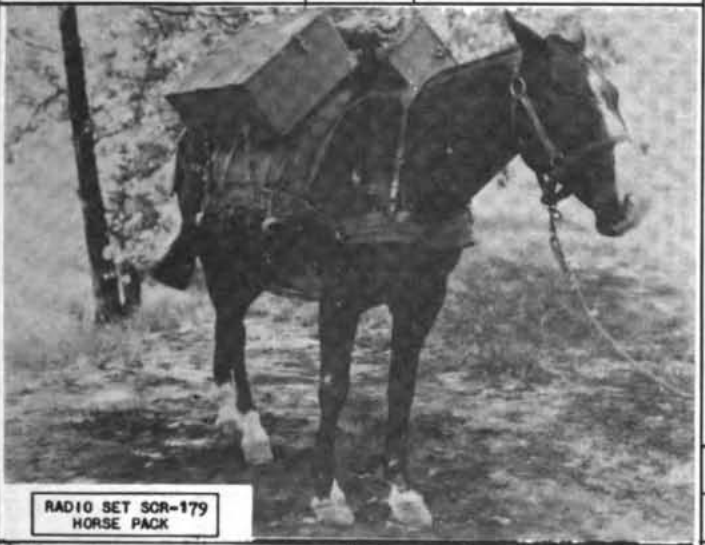
COMBINED VOLUME:

14 Cu.Ft.

SHIP TONNAGE:

224 #

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

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

RADIO SET SCR-179, IS A LOW POWER SET FOR POINT-TO-POINT AND GROUND-TO-AIR COMMUNICATION. THIS SET IS IDENTICAL WITH RADIO SET SCR-178 EXCEPT CARRYING CASES HAVE PACK SADDLE HANGERS.

**SCR-183**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

LIMITED STANDARD  
13 Nov 43

INSTRUCTIONAL LITERATURE:

TM 11-200

**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: )FREQUENCY RANGE: RECEIVING - 201-398 Kc.  
4150-7700 Kc. TRANSMITTING - 2500-7700 Kc.  
NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: NONE

ANTENNA: RECVR.- 5 FT. VERTICAL MAST ANTENNA.  
TRANS.- "T" OR "L" TYPE 16 TO 18 FT. LONG.  
TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 12 VOLT PLANE BATTERY.

SIMILAR SETS: SIMILAR TO SCR-283 EXCEPT 12 V.

POWER OUTPUT: (WATTS) VOICE 3.5; TONE 3.2; CW 4.0.

TUBES: (TYPE AND NUMBER) 4 TYPE 39/44  
1 TYPE 37  
1 TYPE 38  
2 TYPE 10  
2 TYPE 45 SPL.

(TUBE CONTENT SHOWN ABOVE PERTAINS TO SCR-AB-183)

**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: )USE: COMMAND SET - PLANE-TO-PLANE; PLANE-TO-GROUND  
COMMUNICATIONS.RANGE: (MILES) 30-45 MILES PLANE-TO-PLANE.  
10-20 MILES PLANE-TO-GROUND.TO COMMUNICATE WITH: OTHER EQUIPMENT WITHIN RANGE  
OF EACH OTHER COVERING SAME FREQUENCIES.

TO REPLACE IN PART:

TRANSPORTATION: AIRBORNE INSTALLATION.

TYPE OF SIGNAL: CW; TONE; VOICE.

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

RADIO RECVR. BC-229

7 5/8

8 1/4

15 11/16

12.0

RADIO TRANS. BC-230

7 5/8

6 5/8

13 1/4

10.2

DYNAMOTOR UNIT BC-83 BD-83

9.9

RADIO CONTROL BOX BC-231

4 5/8

4

2 7/16

.9

RADIO CONTROL BOX BC-232

2 7/16

4

4 5/8

.9

ANTENNA SW. RELAY BC-198

4 9/16

4 5/8

2 3/4

1.1

2 RECVR COIL SETS (ONE IS A DUAL COIL)

6 TRANS. COIL SETS.

COMBINED WEIGHT OF COMPONENTS:

43.38 (INCLUDING MINOR COMP)

COMBINED VOLUME:

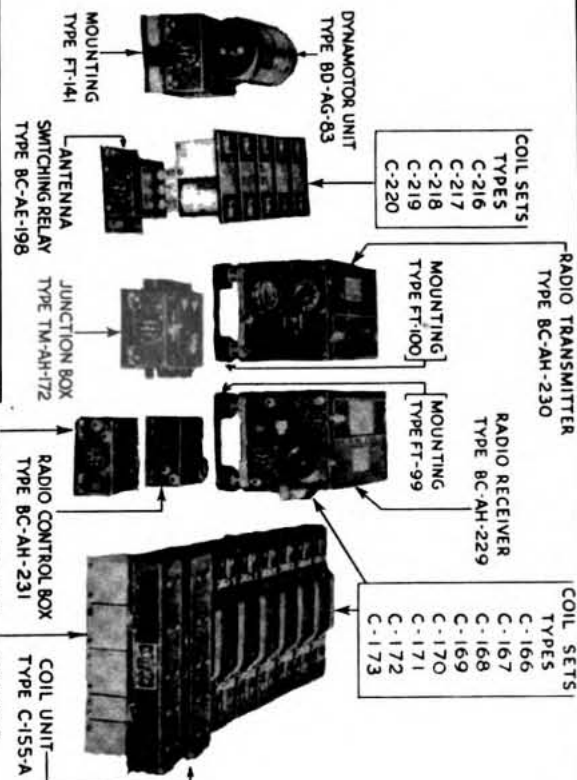
145 CU. FT.

SHIP TONNAGE:

CHANGE IN  
STATUS:

THERE ARE SEVERAL MODELS OF RADIO SET SCR-183 AS DESIGNATED BY LETTERS IN THE NOMENCLATURE BETWEEN "SCR" AND THE NUMERAL "183". THESE LETTERS INDICATE DIFFERENT MANUFACTURERS OR PROCUREMENT CONTRACTS, AND THERE MAY BE MINOR DIFFERENCES BETWEEN MODELS. TRANSMITTER MAY USE CALIBRATING ONSTAL DO-10.

PRINCIPAL COMPONENTS OF RADIO SET SCR-183



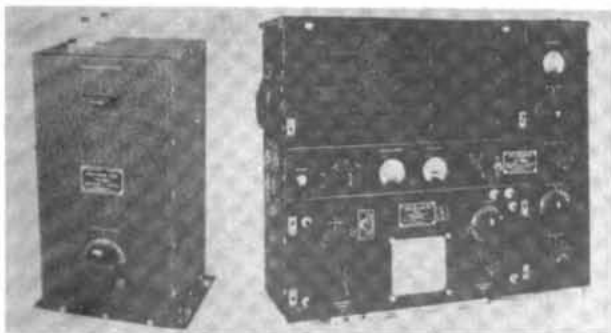
## INSTRUCTIONAL LITERATURE:

COVERED BY BOOKS FOR TRANS.  
 BC-191 & RECEIVER BC-224  
 BC-191-A, B, C, D, B & AA-191  
 TM-11-800  
 BC-191-N - TO 08-10-165  
 BC-224-A - TO 08-10-24  
 BC-224-B - TO 08-10-25  
 BC-224-C - TO 08-10-47  
 BC-224-D - IS STOCK NO.  
 2C 1/224 D/1  
 BC-224-E, G, H - TO 08-10-79  
 BC-224-F, K - TO 08-10-180  
 BC-224-L - TO 08-10-164

STATUS:

LIMITED STANDARD  
13 Nov 43CHANGE IN  
STATUS:NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.NOMENCLATURE  
DESIGNATION:**SCR-187**

RADIO RECEIVER BC-224

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

RADIO SET SCR-187. COMPONENTS.

RECEIVER BC-224 CONTAINS CRYSTAL FILTER.

PART A - TECHNICAL CHARACTERISTICS  
(CLASSIFICATION: )

FREQUENCY RANGE: RECV.- 1.5 - 18 Mo.  
 TRANS.- 1.5 - 12.5 Mo.; 200-500Kc; 600-1500Kc.

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: NONE

ANTENNA: TRAILING WIRE

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 12 - 14 VOLT AIRPLANE BATTERY SUPPLY

SIMILAR SETS: SCR-287

POWER OUTPUT: (WATTS) 30 - 60 WATTS.

TUBES: (TYPE AND NUMBER) SCR-AA-197 USES:

TRANS. - 4 VT-4-B

1 VT-25

RECV. - 1 VT-37

1 VT-38

4 VT-49

PART B - TACTICAL CHARACTERISTICS  
(CLASSIFICATION: )USE: AIR-TO-AIR, AIR-TO-GROUND COMMUNICATION  
LIAISON SET.

RANGE: (MILES) 50 TO SEVERAL HUNDRED MILES.

TO COMMUNICATE WITH: SCR-188; SCR-193; SCR-197;  
SCR-299.

TO REPLACE IN PART:

TRANSPORTATION: AIRBORNE INSTALLATION.

TYPE OF SIGNAL: VOICE, TONE, CW.

PART C - PRINCIPAL COMPONENTS  
(CLASSIFICATION: RESTRICTED)

| ITEM                                                                                                                                                            | DIMENSIONS |        |        | WEIGHT    | CLASSIFICATION |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|--------|-----------|----------------|
|                                                                                                                                                                 | HEIGHT     | WIDTH  | DEPTH  |           |                |
| RADIO TRANS. BC-191                                                                                                                                             | 21 21/32   | 23 1/8 | 9 5/16 | 55        |                |
| RADIO RECV. BC-224                                                                                                                                              | 18 21/32   | 10 1/2 | 9 1/2  | 40        |                |
| DYNAMOTOR UNIT BD-77                                                                                                                                            | 11 21/32   | 16 3/4 | 8      | 4.4       |                |
| RADIO CONTROL BOX BC-309                                                                                                                                        | 3 9/16     | 3 1/2  | 2 7/32 | .42       |                |
| ANTENNA TUNING UNIT BC-306                                                                                                                                      | 17 3/4     | 9 1/2  | 9 1/8  | 9.75      |                |
| TRANSMITTER TUNING UNIT TU-3                                                                                                                                    | 7 5/8      | 16 3/4 | 8 3/4  | 13        |                |
| TRANSMITTER TUNING UNIT TU-5                                                                                                                                    | 7 5/8      | 16 3/4 | 8 3/4  | 13        |                |
| TRANSMITTER TUNING UNIT TU-6                                                                                                                                    | 7 5/8      | 16 3/4 | 8 3/4  | 13        |                |
| TRANSMITTER TUNING UNIT TU-7                                                                                                                                    | 7 5/8      | 16 3/4 | 8 3/4  | 13        |                |
| TRANSMITTER TUNING UNIT TU-8                                                                                                                                    | 7 5/8      | 16 3/4 | 8 3/4  | 13        |                |
| TRANSMITTER TUNING UNIT TU-9                                                                                                                                    | 7 5/8      | 16 3/4 | 8 3/4  | 13        |                |
| TRANSMITTER TUNING UNIT TU-10                                                                                                                                   | 7 5/8      | 16 3/4 | 8 3/4  | 13        |                |
| NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE. |            |        |        |           |                |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                  |            |        |        | 250 LBS.  | APPROX.        |
| COMBINED VOLUME:                                                                                                                                                |            |        |        | 6 CU. FT. | APPROX.        |
| SHIP TONNAGE:                                                                                                                                                   |            |        |        |           |                |

**SCR-188**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
26 Dec 33

INSTRUCTIONAL LITERATURE:

TM 11-233.

**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: )FREQUENCY RANGE: TRANS.: 1.5 - 12.5. RECVR.:  
0.4 - 13.0 Mc.

NUMBER OF CRYSTALS: 1 AS XTAL OSCILLATOR.

PRESET FREQUENCIES:

ANTENNA: INVERTED L ( $\frac{1}{2}$  OR  $\frac{3}{4}$  WAVE). AN-22-A,  
23-A, 25, 26, 27, & 28.

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: TRANS. PE-49-A; RECVR. BD-AA-69; BD-AB-69;  
BD-AC-69; BD-AD-69; BD-AE-69, WITH 12 V STORAGE  
BATTERY.

SIMILAR SETS: SCR-177-A EXCEPT FREQUENCY.

POWER OUTPUT: (WATTS) 75 AT 85% MODULATION TONE;  
VOICE.TUBES: (TYPE AND NUMBER) 1 BC-189-A; 3 TYPE 36;  
1 TYPE 38; 4 TYPE 39/44. 1 BC-AA-191; 1 TYPE 20  
4 TYPE 211 SPL.**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: )USE: AC PURSUIT: SQDN, SRP, WNS.  
ATTACK : SQDN, SRP, WNS. OBS.  
SIG CO : AWS Co.

RANGE: (MILES) CW-100; TONE-70; VOICE-30.

TO COMMUNICATE WITH: SCR-183; SCR-187; SCR-188;  
SCR-197; SCR-240-A; SCR-259-A; SCR-261-A;  
SCR-274-N; SCR-283; SCR-287; SCR-238-A.

TO REPLACE IN PART: NONE

TRANSPORTATION: VEHICLES OR PLANES (OPERATED  
ON GROUND ONLY).

TYPE OF SIGNAL: CW; TONE; VOICE. (A.M.)

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

ITEM

## DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

RADIO TRANS. BC-AA-191

RADIO RECVR. BC-189-A

POWER UNIT PE-49

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

COMBINED WEIGHT OF COMPONENTS

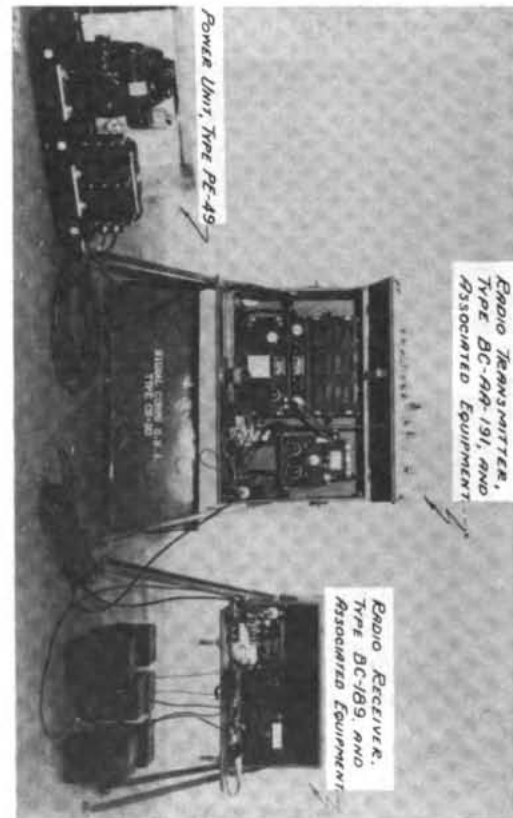
1,150#

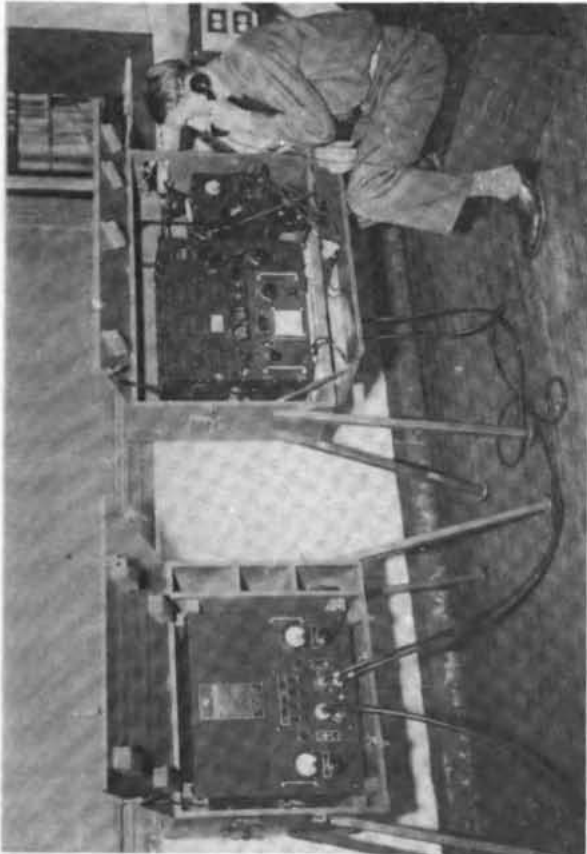
COMBINED VOLUME OF COMPONENTS:

25 CU.FT.

SHIP TONNAGE:

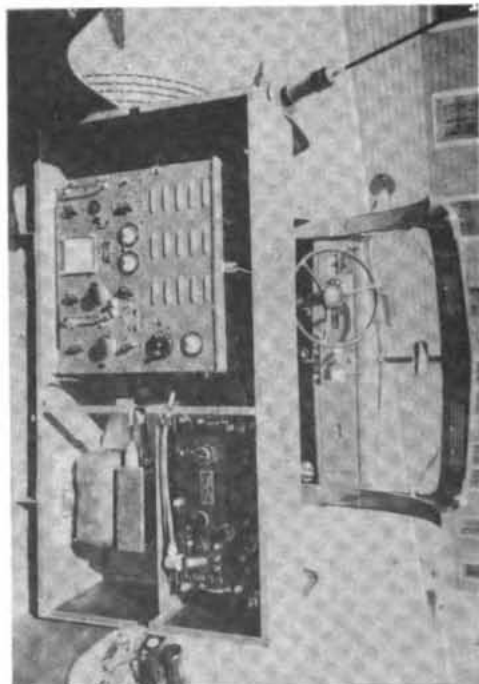
RADIO SET SCR-188, IN OPERATING POSITION.



| INSTRUCTIONAL LITERATURE:<br>TM 11-233                                                                                  | STATUS:                                                  | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NOMENCLATURE<br>DESIGNATION:                                                                                                            |        |                |  | <b>SCR-188-A</b> |      |            |  |  |        |                |        |       |       |               |  |  |  |  |              |               |  |  |  |  |              |                  |  |  |  |  |              |                 |  |  |  |  |              |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------|----------------|--|------------------|------|------------|--|--|--------|----------------|--------|-------|-------|---------------|--|--|--|--|--------------|---------------|--|--|--|--|--------------|------------------|--|--|--|--|--------------|-----------------|--|--|--|--|--------------|--------------------------------|--|--|--|--------|--|--------------------------------|--|--|--|--|--|---------------|--|--|--|--|--|
| CHANGE IN<br>STATUS:                                                                                                    | PART A - TECHNICAL CHARACTERISTICS<br>(CLASSIFICATION: ) | PART B - TACTICAL CHARACTERISTICS<br>(CLASSIFICATION: )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |        |                |  |                  |      |            |  |  |        |                |        |       |       |               |  |  |  |  |              |               |  |  |  |  |              |                  |  |  |  |  |              |                 |  |  |  |  |              |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |  |
|                                        |                                                          | FREQUENCY RANGE: (Mc) TRANS. 1.5 - 12.5<br>REOVR. 1.5 - 18.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | USE: AC PURSUIT: SQDN, GRP, WNG.<br>ATTACK : SQDN, GRP, WNG, OBS.<br>Sig C : AMS Co.                                                    |        |                |  |                  |      |            |  |  |        |                |        |       |       |               |  |  |  |  |              |               |  |  |  |  |              |                  |  |  |  |  |              |                 |  |  |  |  |              |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |  |
|                                                                                                                         |                                                          | NUMBER OF CRYSTALS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | RANGE: (MILES) CW 100; TONE 70; VOICE 30.                                                                                               |        |                |  |                  |      |            |  |  |        |                |        |       |       |               |  |  |  |  |              |               |  |  |  |  |              |                  |  |  |  |  |              |                 |  |  |  |  |              |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |  |
|                                                                                                                         |                                                          | PRESET FREQUENCIES:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TO COMMUNICATE WITH: SCR-183; SCR-187; SCR-188;<br>SCR-197; SCR-240-A; SCR-259-A; SCR-261-A;<br>SCR-274-N; SCR-283; SCR-287; SCR-238-A. |        |                |  |                  |      |            |  |  |        |                |        |       |       |               |  |  |  |  |              |               |  |  |  |  |              |                  |  |  |  |  |              |                 |  |  |  |  |              |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |  |
|                                                                                                                         |                                                          | ANTENNA: INVERTED L (1/2 OR 3/4 WAVE). AN-22-A,<br>23-A, 25, 26, 27, & 28.<br>TUNING: (MO OR XTAL) MO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | TO REPLACE IN PART: NONE                                                                                                                |        |                |  |                  |      |            |  |  |        |                |        |       |       |               |  |  |  |  |              |               |  |  |  |  |              |                  |  |  |  |  |              |                 |  |  |  |  |              |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |  |
| SENSITIVITY: SELECTIVITY:<br>POWER SOURCE: TRANS. & REOVR. PE-75.<br>TRANS. RECTIFIER RA-36. REOVR. RECTIFIER<br>RA-20. |                                                          | TRANSPORTATION: VEHICLES OR PLANES (OPERATED<br>ON 8 ROUNDS ONLY).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                         |        |                |  |                  |      |            |  |  |        |                |        |       |       |               |  |  |  |  |              |               |  |  |  |  |              |                  |  |  |  |  |              |                 |  |  |  |  |              |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |  |
| SIMILAR SETS: SCR-177-B                                                                                                 |                                                          | TYPE OF SIGNAL: CW; TONE; VOICE. (A.M.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |        |                |  |                  |      |            |  |  |        |                |        |       |       |               |  |  |  |  |              |               |  |  |  |  |              |                  |  |  |  |  |              |                 |  |  |  |  |              |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |  |
| POWER OUTPUT: (WATTS) 75 @ 85% MOD. TONE & VOICE.                                                                       |                                                          | PART C - PRINCIPAL COMPONENTS<br>(CLASSIFICATION: )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                         |        |                |  |                  |      |            |  |  |        |                |        |       |       |               |  |  |  |  |              |               |  |  |  |  |              |                  |  |  |  |  |              |                 |  |  |  |  |              |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |  |
| TUBES: (TYPE AND NUMBER)<br>1-5BL 1-6L7 1-10<br>3-6C5 1-6R7 4-211SPL<br>1-6F6 1-6X5GT 2-866A<br>4-6K7                   |                                                          | <table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>TRANS. BC-191</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>REOVR. BC-342</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>POWER UNIT PE-75</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>RECTIFIER RA-34</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td>138.5#</td> <td></td> </tr> <tr> <td>COMBINED VOLUME OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SHIP TONNAGE:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> |                                                                                                                                         |        |                |  |                  | ITEM | DIMENSIONS |  |  | WEIGHT | CLASSIFICATION | HEIGHT | WIDTH | DEPTH | TRANS. BC-191 |  |  |  |  | UNCLASSIFIED | REOVR. BC-342 |  |  |  |  | UNCLASSIFIED | POWER UNIT PE-75 |  |  |  |  | UNCLASSIFIED | RECTIFIER RA-34 |  |  |  |  | UNCLASSIFIED | COMBINED WEIGHT OF COMPONENTS: |  |  |  | 138.5# |  | COMBINED VOLUME OF COMPONENTS: |  |  |  |  |  | SHIP TONNAGE: |  |  |  |  |  |
| ITEM                                                                                                                    | DIMENSIONS                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                         | WEIGHT | CLASSIFICATION |  |                  |      |            |  |  |        |                |        |       |       |               |  |  |  |  |              |               |  |  |  |  |              |                  |  |  |  |  |              |                 |  |  |  |  |              |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |  |
|                                                                                                                         | HEIGHT                                                   | WIDTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DEPTH                                                                                                                                   |        |                |  |                  |      |            |  |  |        |                |        |       |       |               |  |  |  |  |              |               |  |  |  |  |              |                  |  |  |  |  |              |                 |  |  |  |  |              |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |  |
| TRANS. BC-191                                                                                                           |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                         |        | UNCLASSIFIED   |  |                  |      |            |  |  |        |                |        |       |       |               |  |  |  |  |              |               |  |  |  |  |              |                  |  |  |  |  |              |                 |  |  |  |  |              |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |  |
| REOVR. BC-342                                                                                                           |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                         |        | UNCLASSIFIED   |  |                  |      |            |  |  |        |                |        |       |       |               |  |  |  |  |              |               |  |  |  |  |              |                  |  |  |  |  |              |                 |  |  |  |  |              |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |  |
| POWER UNIT PE-75                                                                                                        |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                         |        | UNCLASSIFIED   |  |                  |      |            |  |  |        |                |        |       |       |               |  |  |  |  |              |               |  |  |  |  |              |                  |  |  |  |  |              |                 |  |  |  |  |              |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |  |
| RECTIFIER RA-34                                                                                                         |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                         |        | UNCLASSIFIED   |  |                  |      |            |  |  |        |                |        |       |       |               |  |  |  |  |              |               |  |  |  |  |              |                  |  |  |  |  |              |                 |  |  |  |  |              |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |  |
| COMBINED WEIGHT OF COMPONENTS:                                                                                          |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                         | 138.5# |                |  |                  |      |            |  |  |        |                |        |       |       |               |  |  |  |  |              |               |  |  |  |  |              |                  |  |  |  |  |              |                 |  |  |  |  |              |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |  |
| COMBINED VOLUME OF COMPONENTS:                                                                                          |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                         |        |                |  |                  |      |            |  |  |        |                |        |       |       |               |  |  |  |  |              |               |  |  |  |  |              |                  |  |  |  |  |              |                 |  |  |  |  |              |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |  |
| SHIP TONNAGE:                                                                                                           |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                         |        |                |  |                  |      |            |  |  |        |                |        |       |       |               |  |  |  |  |              |               |  |  |  |  |              |                  |  |  |  |  |              |                 |  |  |  |  |              |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |  |

RADIO SET SCR-188-A  
SHOWING TRANSMITTER SET UP IN ACTION

| SCR-193                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | NOMENCLATURE DESIGNATION |       | NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | STATUS:        |  | STANDARD<br>5 Dec 33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | INSTRUCTIONAL LITERATURE:<br>TM 11-275 |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------|--|
| <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )<br><br>FREQUENCY RANGE: (MO) TRANS: 1.5 - 4.5.<br>REOVR: 1.5 - 18.0.<br>NUMBER OF CRYSTALS: NONE<br>PRESET FREQUENCIES: NONE<br>ANTENNA: 15' FISHPOLE ON FLEXIBLE MAST BASE<br>MP-14 OR MP-37.<br>TUNING: (MO OR XTAL) MO<br>SENSITIVITY: SELECTIVITY:<br>POWER SOURCE: TRANS. DYNAMOTOR UNIT BD-77;<br>REOVR. DYNAMOTOR INTEGRAL. 12 V CAR BATTERY.<br>SIMILAR SETS: SCR-177-B<br>POWER OUTPUT: (WATTS) 75 AT 100% MODULATED.<br>TUBES: (TYPE AND NUMBER)<br>8 VT-4-B; 4 IN USE, 4 SPARE.<br>2 VT-25; 1 IN USE, 1 SPARE.<br>6 VT-30; 3 IN USE, 3 SPARE.<br>2 VT-38; 1 IN USE, 1 SPARE.<br>8 VT-49; 4 IN USE, 4 SPARE. |  |                          |       | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )<br><br>USE: CAV.: RON SQ, HQ TR (H&M), SERV. TR. (H&M).<br>ENGRS: BN, AVN, REPT, ARMD BN.<br>SIG C: CO ARMD, CO & TR OPH.<br>TANKS, SCOUT CARS, HALF TRACKS ETC.<br><br>RANGE: (MILES) STATIONARY - CW-60; TONE-40;<br>VOICE-20. MOVING - CW-30; TONE-20;<br>VOICE-15.<br>TO COMMUNICATE WITH: SCR-131; SCR-171; SCR-177;<br>SCR-178; SCR-187; SCR-193; SCR-203; SCR-209;<br>SCR-210; SCR-238; SCR-245; SCR-259; SCR-287.<br>TO REPLACE IN PART:<br>TRANSPORTATION: LT. TANKS M2, MED TANK T4,<br>COMBAT CAR M-1, SCOUT CAR M-2, ARMD CAR<br>T-11, ARMD CAR M-1.<br>TYPE OF SIGNAL: CW; TONE; VOICE; (A.M.) |           |                |  | RADIO SET SCR-193 is a VEHICULAR COMMUNICATION SET. IN INFANTRY IT HAS BEEN RE-<br>PLACED BY RADIO SET SCR-245. INSTALLATION IN VEHICLES FOR INTERCOMMUNICATION.<br>MODIFICATION OF THIS SET HAS BEEN MADE TO ADAPT IT TO DIFFERENT TYPES OF VEHICLES, INCLUDING<br>TANKS, SCOUT CARS AND COMBAT CARS. SCR-193-D IS THE SET USED FOR SCOUT CARS,<br>TANKS, DIFFERENCES MAINTAINED BY THE (WHEN RADIO SET SCR-193 IS ISSUED TO<br>CAVALRY UNITS, FREQUENCIES OF 2.0 - 3.0 Mc. ARE ASSIGNED.)<br><br>INSTALLATION IN TRUCK, 1/2-TON 4 x 4 COMMAND (RADIO) |  |                                        |  |
| <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION: RESTRICTED )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                          |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                        |  |
| ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | DIMENSIONS               |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | WEIGHT    | CLASSIFICATION |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | HEIGHT                   | WIDTH | DEPTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                        |  |
| RADIO TRANS. BC-191                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                          |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | UNCLASSIFIED   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                        |  |
| RADIO REOVR. BC-312                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                          |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | UNCLASSIFIED   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                        |  |
| DYNAMOTOR BD-77                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                          |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | UNCLASSIFIED   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                        |  |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                          |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 200 #     |                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                        |  |
| COMBINED VOLUME:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                          |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7 CU. FT. |                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                        |  |
| SHIP TONNAGE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                          |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                        |  |



## INSTRUCTIONAL LITERATURE:

TM 11-238

## STATUS:

LIMITED STANDARD  
18 Mar 43NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.NOMENCLATURE  
DESIGNATION:

SCR-194

CHANGE IN  
STATUS:PART A - TECHNICAL CHARACTERISTICS  
(CLASSIFICATION: )

FREQUENCY RANGE: (Mc) 27.7 to 52.2.

NUMBER OF CRYSTALS: 1 FOR CALIBRATION.

PRESET FREQUENCIES: NONE.

ANTENNA: ADJUSTABLE ROD FOR GROUND USE (12 SECTIONS  
MAX.). THREE SECTION FISHPOLE FOR VEHICLE.  
1/2-RHOMBIC ANTENNA EQUIPMENT RC-63 MAY BE ADDED  
FOR GREATER DISTANCE.

TUNING (MO OR XTAL): MO

SENSITIVITY:

SELECTIVITY:

POWER SOURCE: DRY BATTERIES BA-32.

SIMILAR SETS: SCR-195 EXCEPT FOR FREQUENCY.

POWER OUTPUT: (WATTS) .75 @ 60% MODULATION.

TUBES: (TYPE AND NUMBER) 8C-222 TRANSFORMER,  
TUBES: 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.

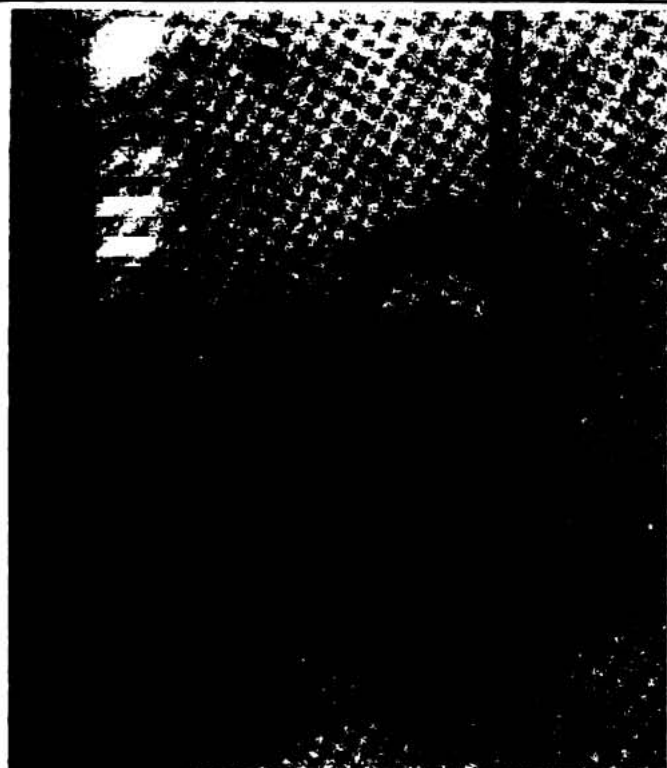
TO REPLACE IN PART: SCR-161 FOR SHORT RANGE LIAISON.

TRANSPORTATION: MAN PACK OR IN VEHICLE.

TYPE OF SIGNAL: VOICE.

PART C - PRINCIPAL COMPONENTS  
(CLASSIFICATION: )

| ITEM                                                                              | DIMENSIONS   |       |       | WEIGHT     | CLASSIFICATION |
|-----------------------------------------------------------------------------------|--------------|-------|-------|------------|----------------|
|                                                                                   | HEIGHT       | WIDTH | DEPTH |            |                |
| RECVR. & TRANS. 8C-222 IN BM WITH BATTERIES,<br>ANTENNA, HEADSET, AND MICROPHONE. | 1 CUBIC FOOT |       |       | 25.10#     | UNCLASSIFIED   |
| AUXILIARY EQUIPMENT AND SPARE PARTS IN CHEST CH-33                                | 2 CUBIC FEET |       |       | 64.14#     | UNCLASSIFIED   |
| COMBINED WEIGHT OF COMPONENTS:                                                    |              |       |       | 90 #       |                |
| COMBINED VOLUME:                                                                  |              |       |       | 1.1 Cu.Ft. |                |
| SHIP TONNAGE:                                                                     |              |       |       | 103 #      |                |



RADIO SET SCR-194 ASSEMBLED VIEW.

"WALKIE-TALKIE" PHYSICALLY SIMILAR TO FIELD PACK. CAN BE OPERATED WHILE BEING CARRIED AS A ONE-MAN PACK OR FROM A VEHICLE. NORMALLY ONLY TWO SETS CAN BE NETTED. TO BE REPLACED BY SCR-300. PARTIALLY REPLACED IN AF BY SCR-509 AND 510. REPLACED IN FA BY SCR-609 AND 610. CAN BE REMOTE CONTROLLED OR OPERATED THROUGH TELEPHONE SWITCHBOARD, WHEN REMOTE CONTROL EQUIPMENT RC-66 IS USED.

**SCR-195**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

OBSOLETE  
23 JAN 44INSTRUCTIONAL LITERATURE:  
TM 11-238**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION )

FREQUENCY RANGE: (MO) 52.8 TO 65.8

NUMBER OF CRYSTALS: 1 USED FOR CALIBRATION.  
REFERENCE.

PRESET FREQUENCIES: NONE.

ANTENNA: 8 SECTION - ADJUSTABLE ROD FOR GROUND  
USE. TWO SECTION FIMPOLE ON FLEXIBLE MOUNTING  
FOR VEHICLE.

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: DRY BATTERIES BA-32.

SIMILAR SETS: SCR -194 EXCEPT FOR FREQUENCY.

POWER OUTPUT: (WATTS) .5 60% MODULATION.

TUBES: (TYPE AND NUMBER) "WALKIE-TALKIE 1 BC-322;  
TUBES: 1 TYPE 33  
1 TYPE 30 SPL.**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION )USE: USE BY THE INFANTRY, SIGNAL CORPS,  
PARACHUTE BATTALIONS. POINT TO POINT  
COMMUNICATION.

RANGE: (MILES) 3

TO COMMUNICATE WITH: SCR-195 ONLY.

TO REPLACE IN PART: NONE.

TRANSPORTATION: MAN PACK, OR IN VEHICLE.

TYPE OF SIGNAL: VOICE.

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

RADIO REGR. & TRANS. BC-322 IN BAG WITH  
BATTERIES, ANTENNA, AND HANDSET.

26.85#

UNCLASSIFIED

AUXILIARY EQUIPMENT AND SPARE PARTS IN CHEST CH-33.

64.14#

UNCLASSIFIED

COMBINED WEIGHT OF COMPONENTS:

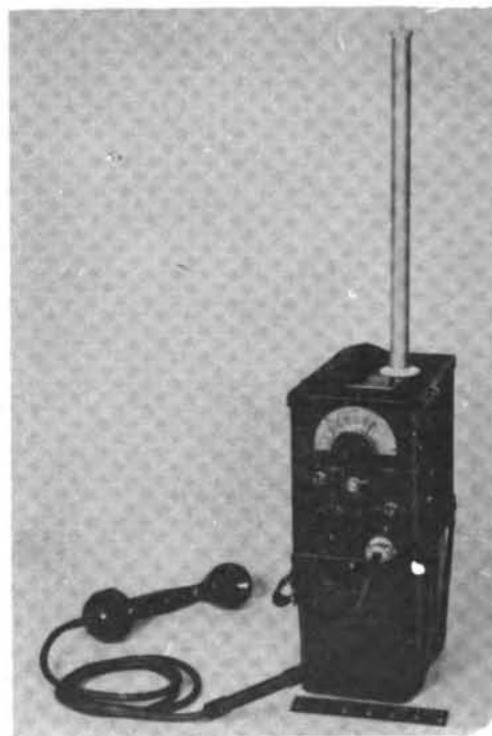
91 #

COMBINED VOLUME:

1.1 Cu. Ft.

SHIP TONNAGE:

104 #



RADIO SET SCR-195. ASSEMBLED VIEW

CAN BE OPERATED WHILE BEING CARRIED AS A ONE-MAN PACK OR FROM A  
VEHICLE "WALKIE-TALKIE" - PHYSICALLY SIMILAR TO FIELD PACK. NOR-  
MALLY, ONLY TWO SETS CAN BE NETTED. REPLACED BY SCR-300.



**SCR-203**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

LIMITED STANDARD  
6 Feb 43INSTRUCTIONAL LITERATURE:  
TM 11-239PART A - TECHNICAL CHARACTERISTICS  
(CLASSIFICATION: )

FREQUENCY RANGE: (MO) TRANS: 2.2 - 3.06.

RECV: 2.1 - 3.1.

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES:

ANTENNA: 24' 8 SECTION FISHPOLE WHEN USED ON  
GROUND. FOR MOUNTED OPERATION FEWER SECTIONS  
ARE USED.

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: GN-35; 8 & 350 V. DRY BATTERIES:  
1 1/2 V; 1/2 V; & 90 V.

SIMILAR SETS:

POWER OUTPUT: (WATTS) 7.5 AT 60% MODULATION.

TUBES: (TYPE AND NUMBER) 1 BC-227 OR BC-227-A;  
5 TYPE 864. 1 BC-228 OR BC-228-A; 2 TYPE 10;  
1 TYPE 50.PART B - TACTICAL CHARACTERISTICS  
(CLASSIFICATION: )

USE: CAVALRY, FA UNITS AND SIGNAL CORPS.

RANGE: (MILES) ON GROUND: CW-30; TONE-20; VOICE-5.  
MOVING: CW-10; TONE-6; VOICE-3.TO COMMUNICATE WITH: SCR-193; 203; 209; 210; 238;  
187; 245.

TO REPLACE IN PART: SCR-127; 163-A.

TRANSPORTATION: HORSE PACK; VEHICLE.

TYPE OF SIGNAL: CW; TONE; VOICE.

PART C - PRINCIPAL COMPONENTS  
(CLASSIFICATION: )

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

TRANSMITTER BC-228-A OR BC-228

RECEIVER BC-227-A OR BC-227

HAND GENERATOR GN-35

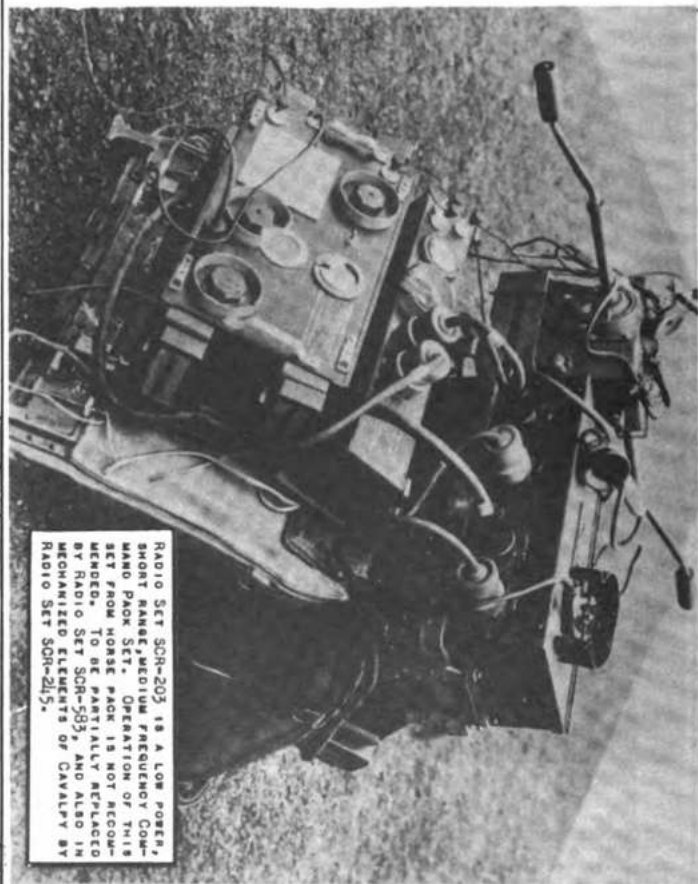
COMBINED WEIGHT OF COMPONENTS:

160#

COMBINED VOLUME:

10 Cu.Ft.

SHIP TONNAGE:



RADIO SET SCR-203 IS A LOW POWER, SHORT RANGE, MEDIUM FREQUENCY COMM. SET FROM HORSE PACK IS NOT RECOMMENDED. TO BE PARTIALLY REPLACED BY RADIO SET SCR-583, AND ALSO IN MECHANIZED ELEMENTS OF CAVALRY BY RADIO SET SCR-215.

INSTRUCTIONAL LITERATURE:  
(SCR-206-D) TM-11-240-D  
(SCR-206-F) TM-11-240-F

STATUS:

LIMITED STANDARD  
11 JUN 42

NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

NOMENCLATURE  
DESIGNATION:

# SCR-206

CHANGE IN  
STATUS:

## PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: )

FREQUENCY RANGE: (Mc) 0.2 - 18.0

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: NONE

ANTENNA: LOOP

TUNING: (MC OR XTAL)

SENSITIVITY: 20 - 100 MICROVOLTS PER METER.

SELECTIVITY:

POWER SOURCE: 6-VOLT STORAGE BATTERY.

SIMILAR SETS: SCR-503

POWER OUTPUT: (WATTS)

TUBES: (TYPE AND NUMBER) 1 VT-94 3 VT-117  
1 VT-98 1 VT-150  
2 VT-103 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.

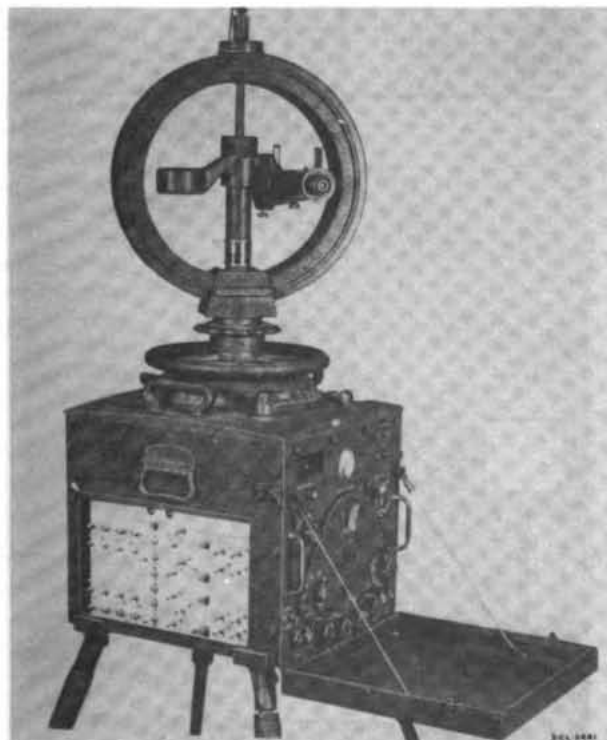
RANGE: (MILES) SHORT

TO COMMUNICATE WITH: NOT APPLICABLE.

TO REPLACE IN PART:

TRANSPORTATION: PORTABLE

TYPE OF SIGNAL: NOT APPLICABLE.



RADIO SET SCR-206 IN OPERATING POSITION

## PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: )

| ITEM                           | DIMENSIONS               |         |         | WEIGHT | CLASSIFICATION |
|--------------------------------|--------------------------|---------|---------|--------|----------------|
|                                | HEIGHT                   | WIDTH   | DEPTH   |        |                |
| RECEIVER BC-470                | 24 1/8"                  | 16 3/8" | 15 1/2" | 65.5#  |                |
| ANTENNA (SENSE) (EACH SECT.)   | 35 5/8"                  |         |         | 1.5#   |                |
| LOOP LP-22                     | 17 5/8"                  | 15 "    | 5 "     | 4.6#   |                |
| BATTERY BOX                    | 11 1/2"                  | 23 "    | 16 1/4" | 38.6#  |                |
| COMBINED WEIGHT OF COMPONENTS: | INCLUDING CORDS, CABLES, |         |         | 383#   |                |
| COMBINED VOLUME OF COMPONENTS: |                          |         |         |        |                |
| SHIP TONNAGE:                  |                          |         |         |        |                |

**SCR-209**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

LIMITED STANDARD  
13 Dec 37

INSTRUCTIONAL LITERATURE:

IB Stock No. 608209

**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: )FREQUENCY RANGE: (Mc) TRANS. 2.2 - 2.6. RECVR.  
1.5 - 18.0 (BC-312); 2.0 - 3.0 (BC-189)

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES:

ANTENNA: 15' 5 SECTION FISHPOLE ON MP-14 OR 37.

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: MOTOR GENERATOR AND BATTERY UNIT  
PE-48. RECVR. DYNAMOTOR UNIT BD-69.

SIMILAR SETS:

POWER OUTPUT: (WATTS) CW-8.5; TONE-7.5; VOICE-7.5  
60% MOD. TONE, 40% VOICE.

TUBES: (TYPE AND NUMBER)

|   |       |
|---|-------|
| 2 | VT-25 |
| 3 | VT-36 |
| 1 | VT-38 |
| 4 | VT-49 |
| 1 | VT-50 |

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

USE: COMBAT AND SOUT CARB.

RANGE: (MILES) STATIONARY: CW-30; TONE-20;  
VOICE-5. MOVING: CW-10; TONE-6; VOICE-3.TO COMMUNICATE WITH: SCR-193; SCR-203; SCR-209;  
SCR-210; SCR-238.

TO REPLACE IN PART: SCR-189; 199.

TRANSPORTATION: VEHICLES.

TYPE OF SIGNAL: CW; TONE; VOICE; AM

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

ITEM

## DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

RADIO TRANS. BC-176-A

RADIO TRANS. RECVR. BC-189

RADIO RECVR. BC-312-A-B-C-D.

MOTOR GENERATOR PE-48

UNCLASSIFIED  
UNCLASSIFIED  
UNCLASSIFIED

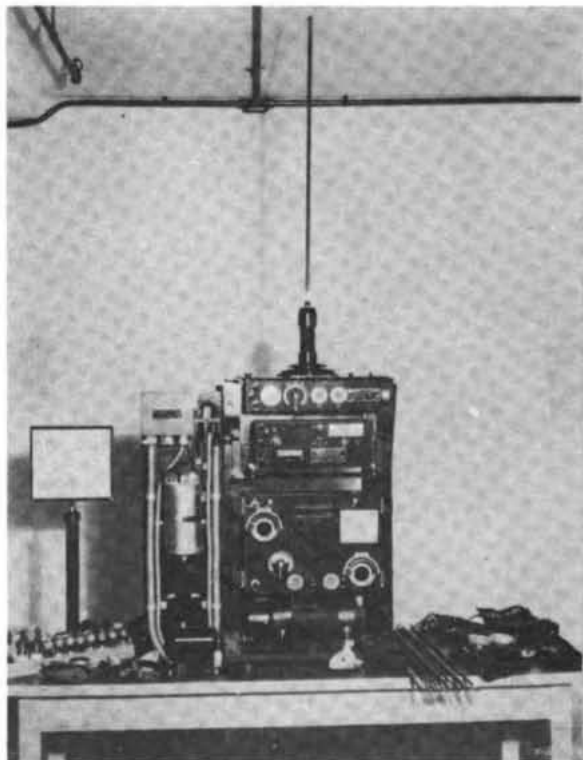
COMBINED WEIGHT OF COMPONENTS:

165#

COMBINED VOLUME:

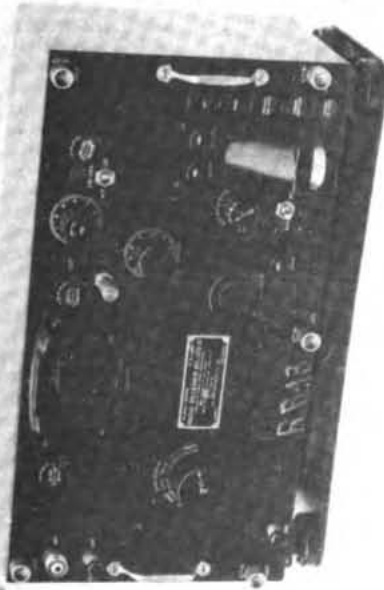
4 Cu.Ft.

SHIP TONNAGE:



RADIO SET SCR-209 IN OPERATING POSITION.

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

| INSTRUCTIONAL LITERATURE:<br><br>TM 11-272                                                                                                                                                                                                                                                                                                                                                                           | STATUS:<br><br>CHANGE IN STATUS: | LIMITED STANDARD<br>24 Nov 42 | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NOMENCLATURE DESIGNATION: <b>SCR-210</b>                                                                                                                                                                                                                                                                                                          |                |      |            |  |  |        |                |        |       |       |                                                                                |  |  |  |  |              |                                |  |  |  |     |  |                  |  |  |  |          |  |               |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------|------------|--|--|--------|----------------|--------|-------|-------|--------------------------------------------------------------------------------|--|--|--|--|--------------|--------------------------------|--|--|--|-----|--|------------------|--|--|--|----------|--|---------------|--|--|
|  <p style="writing-mode: vertical-rl; transform: rotate(180deg);">         RADIO RECEIVER BC-312,<br/>         PRINCIPAL COMPONENT OF RADIO SET SCR-210.<br/>         RADIO SET SCR-210 USES RECEIVER ONLY. SUFFIX LETTER DENOTES VEHICLE<br/>         IN WHICH THE SET IS USED. RADIO SET SCR-210 REPLACED BY SCR-228.       </p> |                                  |                               | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )<br><br>FREQUENCY RANGE: 1.5 - 18.0 (RECEIVER ONLY)<br>NUMBER OF CRYSTALS:<br>PRESET FREQUENCIES: NONE<br>ANTENNA: 15' 5 SECTION FISHPOLE ON MP-14 OR 37.<br>TUNING: (MO OR XTAL)<br>SENSITIVITY: SELECTIVITY:<br>POWER SOURCE: DYNAMOTOR INTEGRAL /12V OR 24V OAR BATTERY.<br>SIMILAR SETS:<br>POWER OUTPUT: (WATTS)<br>TUBES: (TYPE AND NUMBER) SCR-210-A USES 1 BC-312:<br>2 6C5<br>1 6F6<br>2 6K7<br>1 6L7<br>1 6R7GT<br>2 6K7GT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )<br><br>USE: SIGNAL CORPS SCHOOL & ARMD F REPL TRNG CEN BY BN ARMS. IN ANY VEHICLE WHERE SEPARATE RECEIVER IS REQUIRED.<br><br>RANGE: (MILES)<br><br>TO COMMUNICATE WITH:<br><br>TO REPLACE IN PART: SCR-190<br><br>TRANSPORTATION: VEHICLE<br><br>TYPE OF SIGNAL: CW; TONE; VOICE. |                |      |            |  |  |        |                |        |       |       |                                                                                |  |  |  |  |              |                                |  |  |  |     |  |                  |  |  |  |          |  |               |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                      |                                  |                               | <b>PART C - PRINCIPAL COMPONENTS</b><br>(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>           RADIO RECVR. BC-312<br/>           ORIGINAL MODEL USES RECVR. BC-189<br/>           (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 RECVR. BC-312<br>ORIGINAL MODEL USES RECVR. BC-189<br>(KNOWN AS SCR-210) |  |  |  |  | UNCLASSIFIED | COMBINED WEIGHT OF COMPONENTS: |  |  |  | 71# |  | COMBINED VOLUME: |  |  |  | 2 CU.FT. |  | SHIP TONNAGE: |  |  |
| ITEM                                                                                                                                                                                                                                                                                                                                                                                                                 | DIMENSIONS                       |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | WEIGHT                                                                                                                                                                                                                                                                                                                                            | CLASSIFICATION |      |            |  |  |        |                |        |       |       |                                                                                |  |  |  |  |              |                                |  |  |  |     |  |                  |  |  |  |          |  |               |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                      | HEIGHT                           | WIDTH                         | DEPTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                   |                |      |            |  |  |        |                |        |       |       |                                                                                |  |  |  |  |              |                                |  |  |  |     |  |                  |  |  |  |          |  |               |  |  |
| RADIO RECVR. BC-312<br>ORIGINAL MODEL USES RECVR. BC-189<br>(KNOWN AS SCR-210)                                                                                                                                                                                                                                                                                                                                       |                                  |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                   | UNCLASSIFIED   |      |            |  |  |        |                |        |       |       |                                                                                |  |  |  |  |              |                                |  |  |  |     |  |                  |  |  |  |          |  |               |  |  |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                                                                                                                                                                                                                                                                       |                                  |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 71#                                                                                                                                                                                                                                                                                                                                               |                |      |            |  |  |        |                |        |       |       |                                                                                |  |  |  |  |              |                                |  |  |  |     |  |                  |  |  |  |          |  |               |  |  |
| COMBINED VOLUME:                                                                                                                                                                                                                                                                                                                                                                                                     |                                  |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2 CU.FT.                                                                                                                                                                                                                                                                                                                                          |                |      |            |  |  |        |                |        |       |       |                                                                                |  |  |  |  |              |                                |  |  |  |     |  |                  |  |  |  |          |  |               |  |  |
| SHIP TONNAGE:                                                                                                                                                                                                                                                                                                                                                                                                        |                                  |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                   |                |      |            |  |  |        |                |        |       |       |                                                                                |  |  |  |  |              |                                |  |  |  |     |  |                  |  |  |  |          |  |               |  |  |

**SCR-211**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
3 Jun 36INSTRUCTIONAL 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 BUS.  
 TUNING: (MO OR XTAL) XTAL  
 SENSITIVITY: SELECTIVITY:  
 POWER SOURCE: BA-23-(4); BA-2-(6)  
 SIMILAR SETS:  
 POWER OUTPUT: (WATTS)  
 TUBES: (TYPE AND NUMBER) SCR-211-C -  
     (1 BC-221-C)  
     1 TYPE 76  
     1 TYPE 77  
     1 TYPE 6A7

**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: )USE: FOR CALIBRATING AND ADJUSTING AIRCRAFT AND  
FIELD RADIO SETS.

RANGE: (MILES)

TO COMMUNICATE WITH:

TO REPLACE IN PART:

TRANSPORTATION: PORTABLE

TYPE OF SIGNAL:

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

ITEM

## DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

FREQUENCY METER BC-221  
 CRYSTAL UNIT DC-9  
 CALIBRATION BOOK MC-177

13.13

10.13

9.44

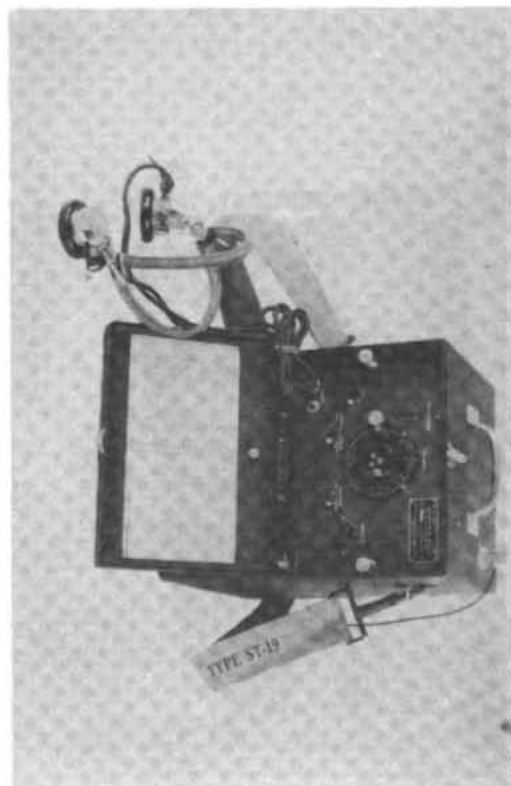
17.16

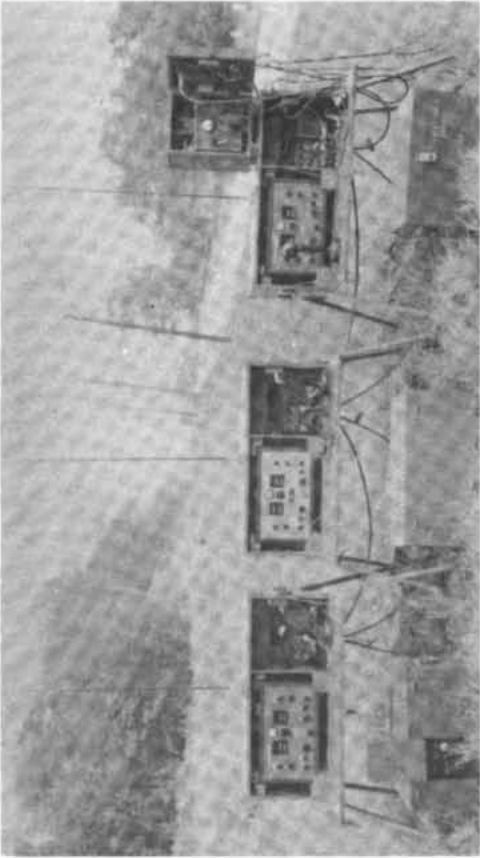
COMBINED WEIGHT OF COMPONENTS:

38 (COMPLETE WITH BATTERY)

COMBINED VOLUME:

SHIP TONNAGE:

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

|                                                                                                                                                                                                                                                                                        |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |       |       |        |                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------|-------|--------|------------------------------------------|
| INSTRUCTIONAL LITERATURE:                                                                                                                                                                                                                                                              | STATUS:              |  | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NOMENCLATURE<br>DESIGNATION: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>SCR-237</b> |       |       |        |                                          |
|                                                                                                                                                                                                                                                                                        | CHANGE IN<br>STATUS: |  | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> )<br>FREQUENCY RANGE: (Mo) TRANS.: .2 - 1.5; 2 - 18.<br>RECVR.: 1.5 - 18.<br>NUMBER OF CRYSTALS:<br>PRESET FREQUENCIES: 10<br>ANTENNA: INVERTED L.<br>TUNING: (MO OR XTAL) MO<br>SENSITIVITY: SELECTIVITY:<br>POWER SOURCE: 110V AC 60 CYCLES AUX. POWER EQPT.<br>GASOLINE ENGINE GEN. 110V 60 CYCLES AC, PE-75.<br>SIMILAR SETS:<br>POWER OUTPUT: (WATTS) APPROX. 90<br>TUBES: (TYPE AND NUMBER)<br><br>NO TUBE COMPLEMENT AVAILABLE. |                              | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> )<br>USE: AIR CORPS: ON GROUND - AIR CORPS SQUADRONS.<br>GROUND-TO-AIR, POINT-TO-POINT COMMUNICATION.<br><br>RANGE: (MILES) 750 USING CW GROUND-TO-AIR.<br>TO COMMUNICATE WITH: SCR-183; SCR-187; SCR-188;<br>SCR-193; SCR-197; SCR-238; SCR-240; SCR-245;<br>SCR-261; SCR-274; SCR-283; SCR-284; SCR-287;<br>SCR-506; SCR-536.<br>TO REPLACE IN PART: SCR-188-A<br>TRANSPORTATION: TRUCK OR CARBO AIRCRAFT - OPERATION<br>AS FIXED STATION.<br>TYPE OF SIGNAL: CW; TONE; VOICE. |                |       |       |        |                                          |
|  <p style="writing-mode: vertical-rl; transform: rotate(180deg);">PRINCIPAL COMPONENTS OF RADIO SET SCR-237-T3 at LOCATION NO. 2 (Receiver Location)<br/>Front View - Set Up for Field Operation</p> |                      |  | <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> )                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |       |       |        |                                          |
|                                                                                                                                                                                                                                                                                        |                      |  | ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DIMENSIONS     |       |       | WEIGHT | CLASSIFICATION                           |
|                                                                                                                                                                                                                                                                                        |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | HEIGHT         | WIDTH | DEPTH |        |                                          |
|                                                                                                                                                                                                                                                                                        |                      |  | 1 TRANSMITTER ANBT-3 (NAVY ATC)<br>3 RECEIVERS BC-342<br><br>(MINIMUM CONSISTENT WITH BEST ENGINEERING PRACTICE)                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |       |       |        | <b>RESTRICTED</b><br><b>UNCLASSIFIED</b> |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                                                                                                                                         |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |       |       |        |                                          |
| COMBINED VOLUME:                                                                                                                                                                                                                                                                       |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |       |       |        |                                          |
| SHIP TONNAGE:                                                                                                                                                                                                                                                                          |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |       |       |        |                                          |

**SCR-242**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

LIMITED STANDARD  
10 Nov 42INSTRUCTIONAL LITERATURE:  
TO 08-10-11, 21, 27**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: )FREQUENCY RANGE: (MC) .15 - 1.5, 1.75 WITH  
MODIFICATION KITS.

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: ---

ANTENNA: VERTICAL MAST 5' OR T.6' & LOOP ANTENNA  
MOUNTED ON AIRPLANE WITH REMOTE CONTROL OF  
ROTATION.

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 1 1/4 VOLT D.C. AND DYNAMOTOR DM-18

SIMILAR SETS: SCR-186

POWER OUTPUT: (WATTS) RECEIVES ONLY.

TUBES: (TYPE AND NUMBER) 1 VT-66  
6 VT-86  
1 VT-87  
1 VT-93  
1 VT-94  
2 VT-96**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: )USE: AURAL RECEPTION OF MODULATED RADIO FREQUENCY  
ENERGY OR VISUAL UNIDIRECTIONAL, RIGHT-LEFT  
INDICATION OF THE DIRECTION OF ARRIVAL OF  
RADIO FREQUENCY ENERGY WITH RESPECT TO THE  
PLANE OF THE LOOP AND SIMULTANEOUS "ON  
COURSE" AURAL RECEPTION OF MODULATED RADIO  
FREQUENCY ENERGY. NAVIGATION & HOMING AID  
IN AIRCRAFT.

RANGE: (MILES) ---

TO COMMUNICATE WITH: ---

TO REPLACE IN PART: SCR-186

TRANSPORTATION: AIRCRAFT INSTALLATION.

TYPE OF SIGNAL: RECEIVES CW; TONE; VOICE.

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

ITEM

## DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

BC-310-A RADIO COMPASS UNIT

BC-311-A RADIO CONTROL BOX

LP-13-A LOOP

CS-8-A LOOP MOUNTING

M-169-A LOOP MOUNTING CAP

I-65 COMPASS INDICATOR

MC-124 TUNING SHAFT

MC-127 TUNING UNIT

TM-180-A JUNCTION BOX (FOR PLANES WHICH DO NOT  
CONTAIN BUILT IN PANEL OR JUNCTION BOX).

7 1/8

18 1/2

11 5/8

42.1

7

7

3 3/4

5.2

23 3/4

20 3/4

2 1/4

3.5

22 1/2

7 1/2

7 1/2

9.2

2 1/4

2 1/4

1 5/8

0.2

3 1/4

3 1/4

3

1.3

3/4

3/4

3

1.8

1 1/2

1 1/2

1 1/4

0.1

5 3/8

6 3/4

2 13/16

1.7

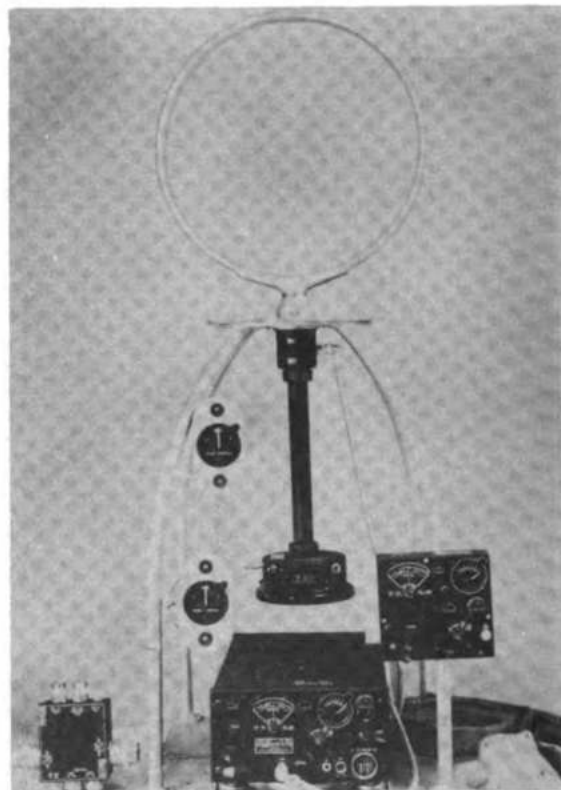
COMBINED WEIGHT OF COMPONENTS:

COMBINED VOLUME:

SHIP TONNAGE:

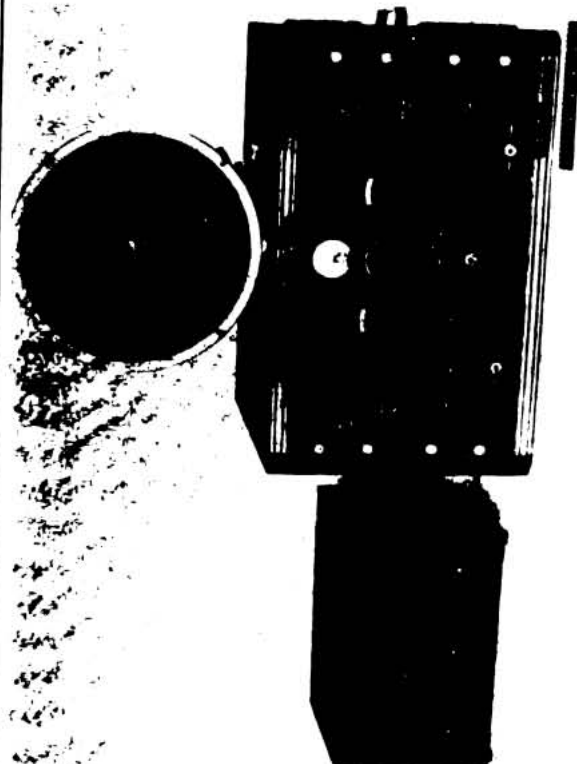
63.4  
65.7 WITH TM-180-A  
65.7 WITH TM-180-A

0.025 APPROX.



GENERAL VIEW OF SET IN OPERATING POSITION

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

| INSTRUCTIONAL LITERATURE:                                                                                                                                                                                                                   | STATUS:              | STANDARD<br>2 MAR 36 | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            | NOMENCLATURE<br>DESIGNATION: |                                                                                                                                                                                                                                                                                              | <b>SCR-244</b> |                |      |            |  |  |        |                |        |       |       |          |        |     |       |     |  |            |       |     |      |     |  |                               |  |  |  |  |      |  |                               |  |  |  |  |  |  |              |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|------|------------|--|--|--------|----------------|--------|-------|-------|----------|--------|-----|-------|-----|--|------------|-------|-----|------|-----|--|-------------------------------|--|--|--|--|------|--|-------------------------------|--|--|--|--|--|--|--------------|--|--|--|--|--|--|
|                                                                                                                                                                                                                                             | CHANGE IN<br>STATUS: |                      | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION )<br><br>FREQUENCY RANGE: (Mc) 0.54 - 20<br>NUMBER OF CRYSTALS: NONE<br>PRESET FREQUENCIES: NONE<br>ANTENNA:<br>TUNING: (MO OR XTAL) NOT APPLICABLE<br>SENSITIVITY: SELECTIVITY:<br>POWER SOURCE: 105/125 VOLTS, A-C<br>SIMILAR SETS:<br>POWER OUTPUT: (WATTS) NOT APPLICABLE<br>TUBES: (TYPE AND NUMBER)<br>1 VT-65   1 VT-87   1 VT-96<br>3 VT-66   2 VT-90   1 VT-116<br>3 VT-86   1 VT-91   3 VT-117                                                                                                                                                                                                                                |            |                              | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION )<br><br>USE: INTERCEPT RECEIVER FOR COMMUNICATION<br>AND MONITORING PURPOSES.<br><br>RANGE: (MILES) DOES NOT APPLY<br><br>TO COMMUNICATE WITH:<br><br>TO REPLACE IN PART:<br><br>TRANSPORTATION:<br><br>TYPE OF SIGNAL: AM - CW |                |                |      |            |  |  |        |                |        |       |       |          |        |     |       |     |  |            |       |     |      |     |  |                               |  |  |  |  |      |  |                               |  |  |  |  |  |  |              |  |  |  |  |  |  |
|  <p>RADIO SET SCR-244 (MANUFACTURER'S MODEL) COMPONENTS.<br/>SCR-244 COMES IN RACK AND CABINET MOUNTING. COMMERCIAL HAMMARLUND<br/>SUPER-PRO RECEIVER.</p> |                      |                      | <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |                              |                                                                                                                                                                                                                                                                                              |                |                |      |            |  |  |        |                |        |       |       |          |        |     |       |     |  |            |       |     |      |     |  |                               |  |  |  |  |      |  |                               |  |  |  |  |  |  |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                             |                      |                      | <table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RECEIVER</td> <td>12.25"</td> <td>23"</td> <td>16.5"</td> <td>70#</td> <td></td> </tr> <tr> <td>POWER UNIT</td> <td>8.25"</td> <td>13"</td> <td>8.5"</td> <td>35#</td> <td></td> </tr> <tr> <td colspan="5">COMBINED WEIGHT OF COMPONENTS</td> <td>115#</td> <td></td> </tr> <tr> <td colspan="5">COMBINED VOLUME OF COMPONENTS</td> <td></td> <td></td> </tr> <tr> <td colspan="5">SHIP TONNAGE</td> <td></td> <td></td> </tr> </tbody> </table> |            |                              |                                                                                                                                                                                                                                                                                              |                |                | ITEM | DIMENSIONS |  |  | WEIGHT | CLASSIFICATION | HEIGHT | WIDTH | DEPTH | RECEIVER | 12.25" | 23" | 16.5" | 70# |  | POWER UNIT | 8.25" | 13" | 8.5" | 35# |  | COMBINED WEIGHT OF COMPONENTS |  |  |  |  | 115# |  | COMBINED VOLUME OF COMPONENTS |  |  |  |  |  |  | SHIP TONNAGE |  |  |  |  |  |  |
|                                                                                                                                                                                                                                             |                      |                      | ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DIMENSIONS |                              |                                                                                                                                                                                                                                                                                              | WEIGHT         | CLASSIFICATION |      |            |  |  |        |                |        |       |       |          |        |     |       |     |  |            |       |     |      |     |  |                               |  |  |  |  |      |  |                               |  |  |  |  |  |  |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                             |                      |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | HEIGHT     | WIDTH                        | DEPTH                                                                                                                                                                                                                                                                                        |                |                |      |            |  |  |        |                |        |       |       |          |        |     |       |     |  |            |       |     |      |     |  |                               |  |  |  |  |      |  |                               |  |  |  |  |  |  |              |  |  |  |  |  |  |
| RECEIVER                                                                                                                                                                                                                                    | 12.25"               | 23"                  | 16.5"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 70#        |                              |                                                                                                                                                                                                                                                                                              |                |                |      |            |  |  |        |                |        |       |       |          |        |     |       |     |  |            |       |     |      |     |  |                               |  |  |  |  |      |  |                               |  |  |  |  |  |  |              |  |  |  |  |  |  |
| POWER UNIT                                                                                                                                                                                                                                  | 8.25"                | 13"                  | 8.5"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 35#        |                              |                                                                                                                                                                                                                                                                                              |                |                |      |            |  |  |        |                |        |       |       |          |        |     |       |     |  |            |       |     |      |     |  |                               |  |  |  |  |      |  |                               |  |  |  |  |  |  |              |  |  |  |  |  |  |
| COMBINED WEIGHT OF COMPONENTS                                                                                                                                                                                                               |                      |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            | 115#                         |                                                                                                                                                                                                                                                                                              |                |                |      |            |  |  |        |                |        |       |       |          |        |     |       |     |  |            |       |     |      |     |  |                               |  |  |  |  |      |  |                               |  |  |  |  |  |  |              |  |  |  |  |  |  |
| COMBINED VOLUME OF COMPONENTS                                                                                                                                                                                                               |                      |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                              |                                                                                                                                                                                                                                                                                              |                |                |      |            |  |  |        |                |        |       |       |          |        |     |       |     |  |            |       |     |      |     |  |                               |  |  |  |  |      |  |                               |  |  |  |  |  |  |              |  |  |  |  |  |  |
| SHIP TONNAGE                                                                                                                                                                                                                                |                      |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                              |                                                                                                                                                                                                                                                                                              |                |                |      |            |  |  |        |                |        |       |       |          |        |     |       |     |  |            |       |     |      |     |  |                               |  |  |  |  |      |  |                               |  |  |  |  |  |  |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                             |                      |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                              |                                                                                                                                                                                                                                                                                              |                |                |      |            |  |  |        |                |        |       |       |          |        |     |       |     |  |            |       |     |      |     |  |                               |  |  |  |  |      |  |                               |  |  |  |  |  |  |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                             |                      |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                              |                                                                                                                                                                                                                                                                                              |                |                |      |            |  |  |        |                |        |       |       |          |        |     |       |     |  |            |       |     |      |     |  |                               |  |  |  |  |      |  |                               |  |  |  |  |  |  |              |  |  |  |  |  |  |

**SCR-245**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
10 JUN 37

INSTRUCTIONAL LITERATURE:

TM 11-272

**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: )FREQUENCY RANGE: (MO) TRANS. 2.0 - 4.5. MAY BE  
EXTENDED TO 5.2 MO. BY USING TU-25-A. REOVR.  
1.5 - 18.0.

NUMBER OF CRYSTALS: 4 IN TRANS.

PRESET FREQUENCIES: 4

ANTENNA: 15 FT., FIVE SECTION FISHPOLE ON FLEXIBLE  
MAST BASE MP-14 OR 37.

TUNING: (MO OR XTAL) BOTH.

SENSITIVITY: SELECTIVITY:

POWER SOURCE: TRANS.: DYNAMOTOR UNIT 12 V.  
STORAGE BATTERY.  
REOVR.: INTEGRAL DYNAMOTOR 12 V.  
STORAGE BATTERY.

SIMILAR SETS:

POWER OUTPUT: (WATTS) 10 100% MODULATION.

TUBES: (TYPE AND NUMBER) 1 BC-223-A TRANS.; 2 TYPE  
801-A & 3 TYPE 46. 1 BC-312 REOVR.; 2-6C5;  
1-6 F 6; 2-6 K-7 (NOTE: 6K7GT AUTHORIZED RECENTLY)  
2-; 1-6 L 7; 1-6 R 7.**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: )

USE: USED BY AF, SIG C, INF, CAV, FA.

RANGE: (MILES) CW-45; TONE-35; VOICE 20.

TO COMMUNICATE WITH: SCR-131; SCR-171; SCR-177;  
SCR-187; SCR-193; SCR-203; SCR-209; SCR-210;  
SCR-238; SCR-245; SCR-259; SCR-267; SCR-288.

TO REPLACE IN PART: SCR-189, 193, 199, AND 209.

TRANSPORTATION: TRANSPORTED AND OPERATED IN VEHICLES

TYPE OF SIGNAL: CW; TONE; VOICE.

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

ITEM

## DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

RADIO TRANS. BC-223

14 1/2"

20 1/8"

8 3/4"

26.5#

UNCLASSIFIED

RADIO REOVR. BC-312

10 5/8"

18 "

8 5/8"

42 #

UNCLASSIFIED

VEHICULAR ANTENNA

-

-

-

-

UNCLASSIFIED

DYNAMOTOR UNIT PE-55

12 "

13 3/8"

7 5/8"

33 #

UNCLASSIFIED

COMBINED WEIGHT OF COMPONENTS:

285#

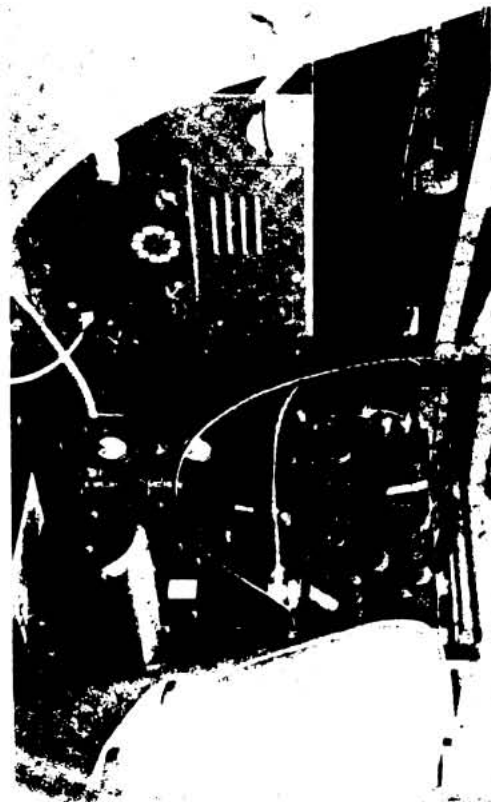
COMBINED VOLUME:

5 Cu.Ft.

SHIP TONNAGE:

VEHICULAR Radio set, most widely used medium power mobile set in Army. To be partially replaced  
in AF by SCR-509, 508 and 508. Several modifications are available for installation in various  
types of vehicles. Look letter denotes vehicle e.g. SCR-245-N is the set for light tank M 3  
Differences are mainly in cord lengths. \* After nomenclature denotes 24 v. equipment.

RADIO SET SCR-245 INSTALLED IN 1/2 TON 4x4 COMMAND VEHICLE



INSTRUCTIONAL LITERATURE:  
TO 08-10-59

STATUS:

LIMITED STANDARD  
10 Nov 42NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.NOMENCLATURE  
DESIGNATION:

SCR-246

CHANGE IN  
STATUS:PART A - TECHNICAL CHARACTERISTICS  
(CLASSIFICATION: )

FREQUENCY RANGE: (Mc) 195 - 420 Kc.

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: NONE

ANTENNA: 8" LOOP & NONDIRECTIONAL (USUALLY  
VERTICAL) NO LOCAL, ONE REMOTE CONTROL  
POSITION.

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 12 VOLT STORAGE BATTERY AND DM-29.

SIMILAR SETS: SCR-276 EXCEPT FOR INPUT VOLTAGE.

POWER INPUT: (WATTS) 70 WATTS CONSUMPTION.

TUBES: (TYPE AND NUMBER) SCR-246-A USES 1-BC-373-A

TUBES: 2 - 6C5  
4 - 6K7  
1 - 6L7  
2 - 6J7  
2 - 6BB  
2 - 6V6PART B - TACTICAL CHARACTERISTICS  
(CLASSIFICATION: )USE: NAVIGATIONAL INSTRUMENT. RADIO COMPASS  
HOMING DEVICE. PROVIDES VISUAL, UNIDIRECTIONAL  
RIGHT-LEFT INDICATION SHOWING DIRECTION OF  
THE RADIO SIGNAL SOURCE WITH RESPECT TO THE  
AIRCRAFT HEADING. MAY ALSO BE USED AS A  
RADIO RANGE OR RADIO BROADCAST RECEIVER  
PROVIDING AURAL RECEPTION OF MODULATED  
SIGNALS.

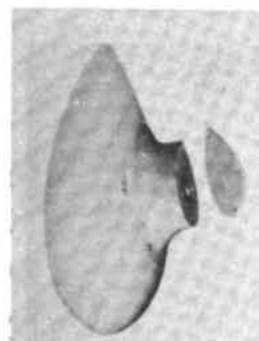
RANGE: (MILES)

TO COMMUNICATE WITH: RECEIVES ONLY RADIO BEACON  
TRANSMISSION.

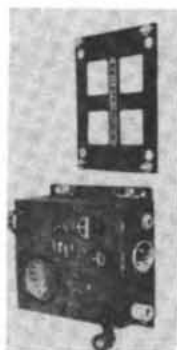
TO REPLACE IN PART:

TRANSPORTATION: AIRCRAFT INSTALLATION.

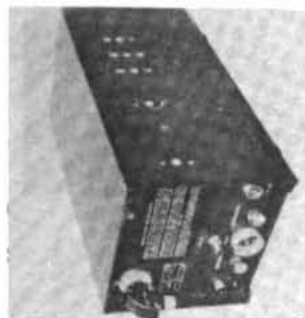
TYPE OF SIGNAL: MCW

PART C - PRINCIPAL COMPONENTS  
(CLASSIFICATION: RESTRICTED )

LOOP LP-17



CONTROL BOX BC-374



UNIT BC-373



INDICATOR I-19

RADIO COMPASS SCR-246 - PRINCIPAL COMPONENTS

NORMALLY CONSUMES 70 WATTS AND SUPPLIES VOLTAGE TO MARKER BEACON RECEIVER.

| ITEM                                                                                                                                                              | DIMENSIONS |       |         | WEIGHT    | CLASSIFICATION |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|---------|-----------|----------------|
|                                                                                                                                                                   | HEIGHT     | WIDTH | DEPTH   |           |                |
| RADIO COMPASS UNIT BC-373                                                                                                                                         |            |       |         |           | RESTRICTED     |
| RADIO CONTROL BOX BC-374                                                                                                                                          |            |       |         |           | RESTRICTED     |
| LOOP LP-17                                                                                                                                                        |            |       |         |           |                |
| INDICATOR                                                                                                                                                         |            |       |         |           | RESTRICTED     |
| NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLE AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATIONS. |            |       |         |           |                |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                    |            |       |         | 38.5 LBS. |                |
| COMBINED VOLUME:                                                                                                                                                  | 8"         | 8"    | 15 5/8" |           |                |
| SHIP TONNAGE:                                                                                                                                                     |            |       |         |           |                |

THIS SHEET IS CLASSIFIED: **RESTRICTED****SCR-255**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

LIMITED STANDARD  
11 JUN 42

INSTRUCTIONAL LITERATURE:

TM 11-861

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

FREQUENCY RANGE: (Mc) .54 - 30  
 NUMBER OF CRYSTALS: NONE  
 PRESET FREQUENCIES: NONE  
 ANTENNA: ADOOOK  
 TUNING: (MO OR XTAL)  
 SENSITIVITY: 20 - 100 MICROVOLTS/METER  
 SELECTIVITY:  
 POWER SOURCE: 6V STORAGE BATTERY.  
 SIMILAR SETS: NONE  
 POWER OUTPUT: (WATTS)  
 TUBES: (TYPE AND NUMBER) 1 VT-66 3 VT-86  
                                   3 VT-91 1 VT-99  
                                   1 VT-126 1 VT-163

**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: **RESTRICTED**)USE: FOR USE IN THE FIELD TO LOCATE ENEMY  
TRANSMITTERS.

RANGE: MEDIUM

TO COMMUNICATE WITH:

TO REPLACE IN PART: NONE

TRANSPORTATION: CARGO TRUCK

TYPE OF SIGNAL:

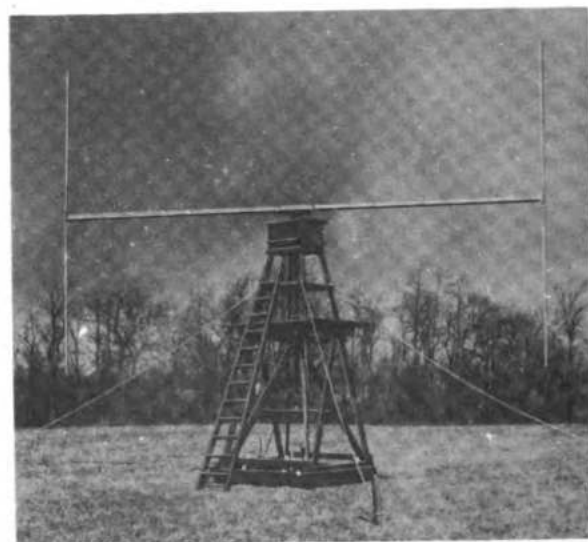
CHANGE IN  
STATUS:**PART C - PRINCIPAL COMPONENTS**  
(CLASSIFICATION: **RESTRICTED**)

| ITEM                                                 | DIMENSIONS |       |       | WEIGHT   | CLASSIFICATION |
|------------------------------------------------------|------------|-------|-------|----------|----------------|
|                                                      | HEIGHT     | WIDTH | DEPTH |          |                |
| REMOTE CONTROL UNIT                                  | 99"        | 23"   | 20"   | 50#      |                |
| ADOOOK ANTENNA                                       |            | 24'   |       | 172#     |                |
| RADIO RECVR. BC-903                                  |            |       |       | 51#      |                |
| TARGET TRANS. BC-904                                 |            |       |       | 21 1/2#  |                |
| TOWER TR-19                                          | 8 1/4'     | 6'    | 6'    | 705#     |                |
| INCLUDING SERIES OF CHESTS, BATTERIES, VIBRATOR ETC. |            |       |       | 297 1/4# |                |

COMBINED WEIGHT OF COMPONENTS:

COMBINED VOLUME OF COMPONENTS:

SHIP TONNAGE:



RADIO SET SCR-255  
BEAM MOUNTED FOR OPERATION

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

THIS SHEET IS CLASSIFIED: **RESTRICTED**



# SCR-269

NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
25 JAN 40

INSTRUCTIONAL LITERATURE:

TO 08-10-110, 175

**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: )FREQUENCY RANGE: (Kc) 200 TO 1,750 Kc.  
COVERED IN 3 BANDS: 200 - 410; 410 - 850;  
850 - 1,750.

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES:

ANTENNA: 8" LOOP & FIXED VERTICAL MAST WITH ONE  
OR TWO REMOTE CONTROL POSITIONS AND AUTOMATIC  
ROTATION.

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 2 1/2 VOLT BATTERY, 12 VOLT BATTERY.

SIMILAR SETS: SCR-263 EXCEPT AUTOMATIC FEATURES.

POWER OUTPUT: (WATTS) RECEIVES ONLY.

TUBES: (TYPE AND NUMBER) SCR-269-A USES:

|         |          |
|---------|----------|
| 2 VT-66 | 1 VT-94  |
| 1 VT-74 | 1 VT-96  |
| 4 VT-86 | 1 VT-105 |
| 1 VT-87 | 2 VT-109 |
| 2 VT-93 |          |

**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: )USE: NAVIGATIONAL INSTRUMENT. PROVIDES AUTOMATIC  
BEARING INDICATION OF THE DIRECTION OF  
ARRIVAL OF RADIO FREQUENCY ENERGY AND  
SIMULTANEOUS AURAL RECEPTION OF MODULATED  
RADIO FREQUENCY, DIRECTIONAL ANTENNA, AURAL  
RECEPTION OF MODULATED RADIO FREQUENCY USING  
LOOP ANTENNA. SCR-269-C HAS PROVISION FOR  
RECEPTION OF UNMODULATED R.F. IN ALL THE  
ABOVE CASES.

RANGE: (MILES)

TO COMMUNICATE WITH:

TO REPLACE IN PART: SCR-242, 263, 280

TRANSPORTATION: AIRCRAFT INSTALLATION

TYPE OF SIGNAL: CW, MCW, VOICE.

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

|                              |        |          |          |            |  |
|------------------------------|--------|----------|----------|------------|--|
| RADIO COMPASS UNIT BC-433-A  | 7 7/8  | 12       | 19 13/16 | 46.87 LBS. |  |
| 2 RADIO CONTROL BOX BC-434-A | 7 1/2  | 7 1/2    | 3 15/16  | 3.76       |  |
| LOOP LP-21-A                 | 25 3/8 | 14 31/32 | 9        | 10.37      |  |
| INDICATOR I-81-A             | 3 1/4  | 3 1/4    | 3 11/16  | .75        |  |
| INDICATOR I-82-A             | 5 1/8  | 5 1/8    | 4 3/32   | 1.19       |  |
| RELAY BK-22-A OR E           | 11 3/4 | 7        | 3        | 6.40       |  |

NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE  
SETS VARY CONSIDERABLY THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.

COMBINED WEIGHT OF COMPONENTS:

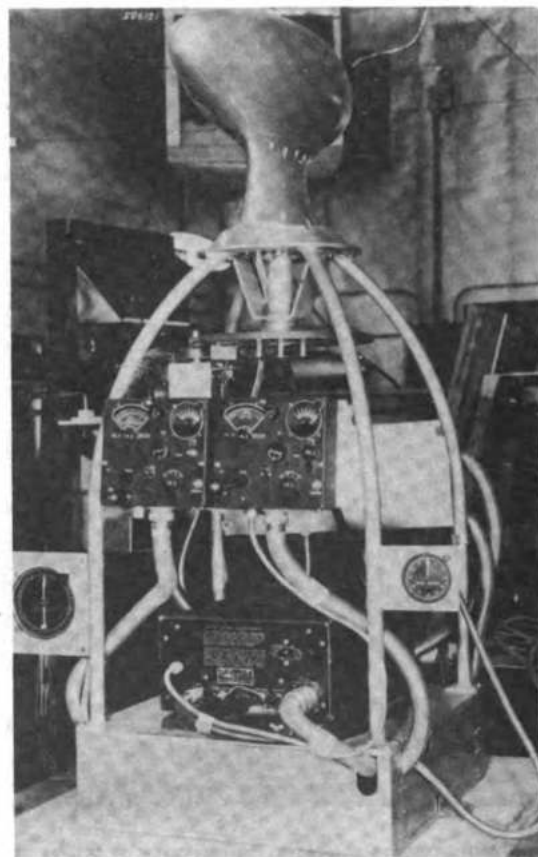
73.10 LBS.

COMBINED VOLUME:

5121 cu. in.

SHIP TONNAGE:

0.0296T

CHANGE IN  
STATUS:

RADIO COMPASS SCR-269

## INSTRUCTIONAL LITERATURE:

TO 08-10-43.

## STATUS:

LIMITED STANDARD  
10 Nov 42NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.NOMENCLATURE  
DESIGNATION:**SCR-273**CHANGE IN  
STATUS: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) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 12 TO 1 1/2 VOLTS DC

SIMILAR SETS: SCR-263 EXCEPT SCR-273 USES 12 -  
1 1/2 VOLT SUPPLY.

POWER OUTPUT: (WATTS) RECEIVES ONLY.

TUBES: (TYPE AND NUMBER) SCR-273-A USES 1 BC-413-A:

|         |          |
|---------|----------|
| 1 - 6F6 | 1 - 6V5  |
| 6 - 6K7 | 1 - 6WT  |
| 1 - 6L7 | 1 - 69GT |
| 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-  
NULL DIRECTIONAL INDICATIONS OF THE ARRIVAL  
OF MODULATED R.F. WITH RESPECT TO THE PLANE  
OF THE LOOP ANTENNA.

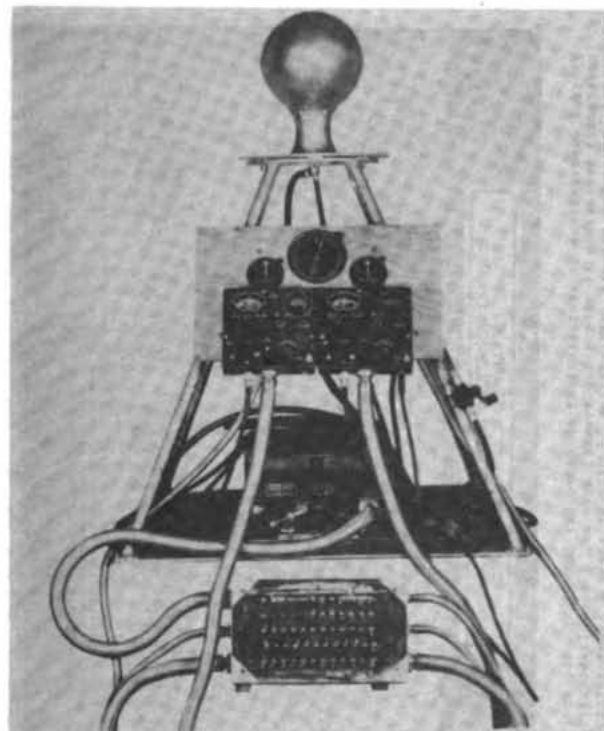
RANGE: (MILES)

TO COMMUNICATE WITH:

TO REPLACE IN PART:

TRANSPORTATION: AIRCRAFT INSTALLATION.

TYPE OF SIGNAL: CW, MCW, VOICE.



RADIO COMPASS SCR - 273  
PRINCIPAL COMPONENTS

PART C - PRINCIPAL COMPONENTS  
(CLASSIFICATION: RESTRICTED )

| ITEM                                                                                                                                                                | DIMENSIONS |        |           | WEIGHT  | CLASSIFICATION |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|-----------|---------|----------------|
|                                                                                                                                                                     | HEIGHT     | WIDTH  | DEPTH     |         |                |
| RADIO COMPASS UNIT BC-413-A                                                                                                                                         | 7 7/8      | 12     | 19 13/16  | 42.00   |                |
| 2 RADIO CONTROL BOX BC-414-A                                                                                                                                        | 7 1/2      | 7 1/2  | 3 15/16   | 4 ea.   |                |
| LOOP LP-19-A                                                                                                                                                        | 25 3/8     | 13 1/2 | 9         | 7.06    |                |
| 2 COMPASS INDICATOR I-65-C                                                                                                                                          | 3 1/4      | 3 1/4  | 3 29/32   | 1.75    |                |
| INDICATOR I-75A                                                                                                                                                     | 5 1/8      | 5 1/8  | 2 11/16   | 1.85    |                |
| RELAY BK-21-A                                                                                                                                                       | 11         | 7      | 3         | 5.94    |                |
| NOTES: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS<br>VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE. |            |        |           |         |                |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                      |            |        |           | 72.124  |                |
| COMBINED VOLUME:                                                                                                                                                    | 12"        | 7 7/8" | 19 13/16" | 5740.25 | CU. IN.        |
| SHIP TONNAGE:                                                                                                                                                       |            |        |           | 0.003 T |                |

THIS SHEET IS CLASSIFIED: RESTRICTED

| <h1>SCR-274-N</h1>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NOMENCLATURE DESIGNATION<br>NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                | STATUS:           | STANDARD<br>20 SEP 40 | INSTRUCTIONAL LITERATURE:<br>(HMI) TO 08-10-50 |                       |                |                                                   |          |          |           |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                                    |          |        |           |      |            |                      |         |        |        |      |            |                         |          |        |         |      |            |                             |         |        |    |      |            |                                                              |  |  |  |  |  |                                                                                                                                                        |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |                       |               |  |  |  |  |                      |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------|------------------------------------------------|-----------------------|----------------|---------------------------------------------------|----------|----------|-----------|------|------------|--------------------------------|--------|--------|----------|------|------------|--------------------------------|--------|--------|----------|------|------------|--------------------------------|--------|--------|----------|------|------------|----------------------------------------------------|----------|--------|-----------|------|------------|----------------------|---------|--------|--------|------|------------|-------------------------|----------|--------|---------|------|------------|-----------------------------|---------|--------|----|------|------------|--------------------------------------------------------------|--|--|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--------------------------------|--|--|--|--|--|--------------------------------|--|--|--|--|-----------------------|---------------|--|--|--|--|----------------------|--|--|--|--|--|
| <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: RESTRICTED)<br>FREQUENCY RANGE: (Mc) TRANS: 4.0-5.3; 5.3-7.0; 7.0-9.1. RECVR: .19-.55; 3.0-6.0; 6.0-9.1.<br>NUMBER OF CRYSTALS: 1 CALIBRATING CRYSTAL PER TRANS. FOR 3.0-9.1 Mc.<br>PRESET FREQUENCIES: 1 ON EACH TRANS.<br>ANTENNA: LONG WIRE & AFT "INVERTED L" OR "T"<br>TUNING: (MO OR XTAL) MO ON H.F.<br>SENSITIVITY: SELECTIVITY:<br>POWER SOURCE: 22 TO 30 V. POWER SOURCE -DC POWER FROM AIRPLANE.<br>SIMILAR SETS: SUPERBOWS SCR-261, 283, 183.<br>POWER OUTPUT: (WATTS) 40 CW; 20 VOICE;<br>TUBES: (TYPE AND NUMBER) 1 BC-456-A MODULATOR UNIT: 1 VT-135; 1 VT-136; 1 VT-139. 3 SETS FOR RECVR: 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: RESTRICTED)<br>USE: FOR INTERCOMMUNICATION AS A COMMAND SET. PLANE-TP PLANE, PLANE-TO- CONTROL TOWER.<br>RANGE: (MILES) 150 CW; 75 VOICE (APPROX.)<br>TO COMMUNICATE WITH: PLANE & CONTROL TOWER.<br>TO REPLACE IN PART: SCR-183, 283.<br>TRANSPORTATION: AIRBORNE INSTALLATION.<br>TYPE OF SIGNAL: VOICE, CW, MCW AMPLITUDE MODULATED. | CHANGE IN STATUS: |                       |                                                |                       |                |                                                   |          |          |           |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                                    |          |        |           |      |            |                      |         |        |        |      |            |                         |          |        |         |      |            |                             |         |        |    |      |            |                                                              |  |  |  |  |  |                                                                                                                                                        |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |                       |               |  |  |  |  |                      |  |  |  |  |  |
| <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION: RESTRICTED)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                      |                   |                       |                                                |                       |                |                                                   |          |          |           |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                                    |          |        |           |      |            |                      |         |        |        |      |            |                         |          |        |         |      |            |                             |         |        |    |      |            |                                                              |  |  |  |  |  |                                                                                                                                                        |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |                       |               |  |  |  |  |                      |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th>ITEM</th> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> <th>WEIGHT</th> <th>CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>RECVR. BC-453-A; BC-454-A; BC-455-A; BC-946-A EA-</td> <td>7 11/32"</td> <td>4 27/32"</td> <td>10 23/32"</td> <td>9.0#</td> <td>RESTRICTED</td> </tr> <tr> <td>(3 RECVR) CONTROL BOX BC-450-A</td> <td>4 1/8"</td> <td>9 1/8"</td> <td>5 15/32"</td> <td>2.7#</td> <td>RESTRICTED</td> </tr> <tr> <td>(1 RECVR) CONTROL BOX BC-473-A</td> <td>4 1/8"</td> <td>3 1/4"</td> <td>5 11/32"</td> <td>1.0#</td> <td>RESTRICTED</td> </tr> <tr> <td>(2 RECVR) CONTROL BOX BC-496-A</td> <td>4 1/8"</td> <td>6 3/8"</td> <td>5 11/32"</td> <td>1.7#</td> <td>RESTRICTED</td> </tr> <tr> <td>TRANS. BC-457-A; BC-458-A; BC-459-A; BC-696-A. EA.</td> <td>8 13/16"</td> <td>5 1/2"</td> <td>11 13/16"</td> <td>8.8#</td> <td>RESTRICTED</td> </tr> <tr> <td>CONTROL BOX BC-451-A</td> <td>3 7/32"</td> <td>4 1/8"</td> <td>4 3/8"</td> <td>1.0#</td> <td>RESTRICTED</td> </tr> <tr> <td>MODULATOR UNIT BC-456-A</td> <td>7 11/16"</td> <td>8 5/8"</td> <td>10 1/8"</td> <td>9.0#</td> <td>RESTRICTED</td> </tr> <tr> <td>ANTENNA RELAY UNIT BC-442-A</td> <td>6 9/16"</td> <td>5 5/8"</td> <td>5"</td> <td>2.0#</td> <td>RESTRICTED</td> </tr> <tr> <td colspan="5">*WEIGHT FOR INSTALLATION OF 3 RECVRS. AND 2 TRANS. COMPLETE.</td> <td></td> </tr> <tr> <td colspan="5">NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.</td> <td></td> </tr> <tr> <td colspan="5">COMBINED WEIGHT OF COMPONENTS:</td> <td></td> </tr> <tr> <td colspan="5">COMBINED VOLUME OF COMPONENTS:</td> <td>4 1/3 CU. FT. APPROX.</td> </tr> <tr> <td colspan="5">SHIP TONNAGE:</td> <td>AVERAGE INSTALLATION</td> </tr> </tbody> </table> | ITEM                                                                                                                                                                                                                                                                                                                                                                                                 | HEIGHT            | WIDTH                 | DEPTH                                          | WEIGHT                | CLASSIFICATION | RECVR. BC-453-A; BC-454-A; BC-455-A; BC-946-A EA- | 7 11/32" | 4 27/32" | 10 23/32" | 9.0# | RESTRICTED | (3 RECVR) CONTROL BOX BC-450-A | 4 1/8" | 9 1/8" | 5 15/32" | 2.7# | RESTRICTED | (1 RECVR) CONTROL BOX BC-473-A | 4 1/8" | 3 1/4" | 5 11/32" | 1.0# | RESTRICTED | (2 RECVR) CONTROL BOX BC-496-A | 4 1/8" | 6 3/8" | 5 11/32" | 1.7# | RESTRICTED | TRANS. BC-457-A; BC-458-A; BC-459-A; BC-696-A. EA. | 8 13/16" | 5 1/2" | 11 13/16" | 8.8# | RESTRICTED | CONTROL BOX BC-451-A | 3 7/32" | 4 1/8" | 4 3/8" | 1.0# | RESTRICTED | MODULATOR UNIT BC-456-A | 7 11/16" | 8 5/8" | 10 1/8" | 9.0# | RESTRICTED | ANTENNA RELAY UNIT BC-442-A | 6 9/16" | 5 5/8" | 5" | 2.0# | RESTRICTED | *WEIGHT FOR INSTALLATION OF 3 RECVRS. 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. |  |  |  |  |  | COMBINED WEIGHT OF COMPONENTS: |  |  |  |  |  | COMBINED VOLUME OF COMPONENTS: |  |  |  |  | 4 1/3 CU. FT. APPROX. | SHIP TONNAGE: |  |  |  |  | AVERAGE INSTALLATION |  |  |  |  |  |
| ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | HEIGHT                                                                                                                                                                                                                                                                                                                                                                                               | WIDTH             | DEPTH                 | WEIGHT                                         | CLASSIFICATION        |                |                                                   |          |          |           |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                                    |          |        |           |      |            |                      |         |        |        |      |            |                         |          |        |         |      |            |                             |         |        |    |      |            |                                                              |  |  |  |  |  |                                                                                                                                                        |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |                       |               |  |  |  |  |                      |  |  |  |  |  |
| RECVR. BC-453-A; BC-454-A; BC-455-A; BC-946-A EA-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7 11/32"                                                                                                                                                                                                                                                                                                                                                                                             | 4 27/32"          | 10 23/32"             | 9.0#                                           | RESTRICTED            |                |                                                   |          |          |           |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                                    |          |        |           |      |            |                      |         |        |        |      |            |                         |          |        |         |      |            |                             |         |        |    |      |            |                                                              |  |  |  |  |  |                                                                                                                                                        |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |                       |               |  |  |  |  |                      |  |  |  |  |  |
| (3 RECVR) CONTROL BOX BC-450-A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4 1/8"                                                                                                                                                                                                                                                                                                                                                                                               | 9 1/8"            | 5 15/32"              | 2.7#                                           | RESTRICTED            |                |                                                   |          |          |           |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                                    |          |        |           |      |            |                      |         |        |        |      |            |                         |          |        |         |      |            |                             |         |        |    |      |            |                                                              |  |  |  |  |  |                                                                                                                                                        |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |                       |               |  |  |  |  |                      |  |  |  |  |  |
| (1 RECVR) CONTROL BOX BC-473-A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4 1/8"                                                                                                                                                                                                                                                                                                                                                                                               | 3 1/4"            | 5 11/32"              | 1.0#                                           | RESTRICTED            |                |                                                   |          |          |           |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                                    |          |        |           |      |            |                      |         |        |        |      |            |                         |          |        |         |      |            |                             |         |        |    |      |            |                                                              |  |  |  |  |  |                                                                                                                                                        |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |                       |               |  |  |  |  |                      |  |  |  |  |  |
| (2 RECVR) CONTROL BOX BC-496-A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4 1/8"                                                                                                                                                                                                                                                                                                                                                                                               | 6 3/8"            | 5 11/32"              | 1.7#                                           | RESTRICTED            |                |                                                   |          |          |           |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                                    |          |        |           |      |            |                      |         |        |        |      |            |                         |          |        |         |      |            |                             |         |        |    |      |            |                                                              |  |  |  |  |  |                                                                                                                                                        |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |                       |               |  |  |  |  |                      |  |  |  |  |  |
| TRANS. BC-457-A; BC-458-A; BC-459-A; BC-696-A. EA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8 13/16"                                                                                                                                                                                                                                                                                                                                                                                             | 5 1/2"            | 11 13/16"             | 8.8#                                           | RESTRICTED            |                |                                                   |          |          |           |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                                    |          |        |           |      |            |                      |         |        |        |      |            |                         |          |        |         |      |            |                             |         |        |    |      |            |                                                              |  |  |  |  |  |                                                                                                                                                        |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |                       |               |  |  |  |  |                      |  |  |  |  |  |
| CONTROL BOX BC-451-A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3 7/32"                                                                                                                                                                                                                                                                                                                                                                                              | 4 1/8"            | 4 3/8"                | 1.0#                                           | RESTRICTED            |                |                                                   |          |          |           |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                                    |          |        |           |      |            |                      |         |        |        |      |            |                         |          |        |         |      |            |                             |         |        |    |      |            |                                                              |  |  |  |  |  |                                                                                                                                                        |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |                       |               |  |  |  |  |                      |  |  |  |  |  |
| MODULATOR UNIT BC-456-A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7 11/16"                                                                                                                                                                                                                                                                                                                                                                                             | 8 5/8"            | 10 1/8"               | 9.0#                                           | RESTRICTED            |                |                                                   |          |          |           |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                                    |          |        |           |      |            |                      |         |        |        |      |            |                         |          |        |         |      |            |                             |         |        |    |      |            |                                                              |  |  |  |  |  |                                                                                                                                                        |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |                       |               |  |  |  |  |                      |  |  |  |  |  |
| ANTENNA RELAY UNIT BC-442-A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6 9/16"                                                                                                                                                                                                                                                                                                                                                                                              | 5 5/8"            | 5"                    | 2.0#                                           | RESTRICTED            |                |                                                   |          |          |           |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                                    |          |        |           |      |            |                      |         |        |        |      |            |                         |          |        |         |      |            |                             |         |        |    |      |            |                                                              |  |  |  |  |  |                                                                                                                                                        |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |                       |               |  |  |  |  |                      |  |  |  |  |  |
| *WEIGHT FOR INSTALLATION OF 3 RECVRS. 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                      |                   |                       |                                                |                       |                |                                                   |          |          |           |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                |        |        |          |      |            |                                                    |          |        |           |      |            |                      |         |        |        |      |            |                         |          |        |         |      |            |                             |         |        |    |      |            |                                                              |  |  |  |  |  |                                                                                                                                                        |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |                       |               |  |  |  |  |                      |  |  |  |  |  |
| 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 CONSEQUENT VARIATIONS IN WEIGHT AND VOLUME, SUCH 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 FIGHTER AIRCRAFT BY VHF COMMAND SET, SCR-922.

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

|                                          |                      |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------|----------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INSTRUCTIONAL LITERATURE:<br>TO 08-10-45 | STATUS:              | LIMITED STANDARD<br>10 Nov 42 | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NOMENCLATURE<br>DESIGNATION: <b>SCR-276</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                          | CHANGE IN<br>STATUS: |                               | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )<br><br>FREQUENCY RANGE: (Kc) 195 to 420<br>NUMBER OF CRYSTALS: NONE<br>PRESET FREQUENCIES:<br>ANTENNA: 8" LOOP AND NONDIRECTIONAL FIXED ANTENNA.<br>TUNING: (MO OR XTAL) MO<br>SENSITIVITY: SELECTIVITY:<br>POWER SOURCE: 24 to 28 VOLTS DC AND DM-39-A.<br>SIMILAR SETS: SCR-246-A EXCEPT SCR-276 24 - 28<br>VOLT SUPPLY.<br>POWER OUTPUT: (WATTS)<br>TUBES: (TYPE AND NUMBER) SCR-276-A USES 1 BC-383-A:<br>2 - 6C5<br>4 - 6K7<br>1 - 6L7<br>2 - 6J7<br>2 - 688<br>2 - 6V6 |                                             | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )<br><br>USE: NAVIGATIONAL INSTRUMENT. PROVIDES VISUAL, UNIDIRECTIONAL RIGHT-LEFT INDICATION SHOWING THE DIRECTION OF THE RADIO SIGNAL SOURCE WITH RESPECT TO THE AIRCRAFT HEADING. MAY ALSO BE USED AS A RADIO RANGE OR WEATHER BROADCAST RECEIVER PROVIDING AURAL RECEPTION OF MODULATED RADIO SIGNALS. ALSO SUPPLIES VOLTAGE TO MARKER BEACON RECEIVER.<br><br>RANGE: (MILES)<br><br>TO COMMUNICATE WITH:<br><br>TO REPLACE IN PART:<br><br>TRANSPORTATION: AIRCRAFT INSTALLATION.<br><br>TYPE OF SIGNAL: CW, MCW |

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

| PART C - PRINCIPAL COMPONENTS<br>(CLASSIFICATION: RESTRICTED )                                                                                                  |            |         |         |         |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|---------|---------|----------------|
| ITEM                                                                                                                                                            | DIMENSIONS |         |         | WEIGHT  | CLASSIFICATION |
|                                                                                                                                                                 | HEIGHT     | WIDTH   | DEPTH   |         |                |
| COMPASS INDICATOR I-73-A                                                                                                                                        | 3 1/4      | 3 1/4   | 3 17/32 | 1.50    |                |
| FLEXIBLE CONDUIT ASSEMBLY & JUNCTION BOX                                                                                                                        |            |         |         | 9.62    |                |
| LOOP LP-17-A                                                                                                                                                    | 25 9/16    | 11 3/32 | 9       | 6.22    |                |
| RADIO COMPASS UNIT BC-383-A                                                                                                                                     | 8          | 8       | 15 5/8  | 26.1    |                |
| RADIO CONTROL BOX BC-440-A                                                                                                                                      | 5 3/4      | 5 1/8   | 3 23/32 | 2.78    |                |
| NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE. |            |         |         |         |                |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                  |            |         |         | 46.22   |                |
| COMBINED VOLUME:                                                                                                                                                |            |         |         | 8"      | 8"             |
| SHIP TONNAGE:                                                                                                                                                   |            |         |         | 15 5/8" | 3686.2         |
|                                                                                                                                                                 |            |         |         |         | .0212 T        |

THIS SHEET IS CLASSIFIED: **RESTRICTED****SCR-277**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
9 Jun 41

INSTRUCTIONAL LITERATURE:

(HMI) 08-10-10  
(on SCR-277-A, B, C)**PART A-TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: **RESTRICTED**)

FREQUENCY RANGE: (Mc) 0.2 - 0.4  
 NUMBER OF CRYSTALS: NONE  
 PRESET FREQUENCIES: NONE  
 ANTENNA: CROSSED LOOPS 70 FEET HIGH  
 TUNING: (MO OR XTAL) MO  
 SENSITIVITY: SELECTIVITY:  
 POWER SOURCE: POWER UNIT PE-90 OR 110V 50 - 60 CYCLES.  
 SIMILAR SETS: NONE  
 POWER OUTPUT: (WATTS) 800  
 TUBES: (TYPE AND NUMBER) 2 VT-100 (807)  
 1 VT-154 (814)  
 1 F-128-A  
 1 VT-145 (523)  
 2 VT-46-A 866/B66-A  
 2 VT-42-A F-872-A

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

USE: HIGH POWER MOBILE RADIO RANGE STATION  
FOR RADIO GUIDANCE OF AIRCRAFT. USES  
A-N KEYING.

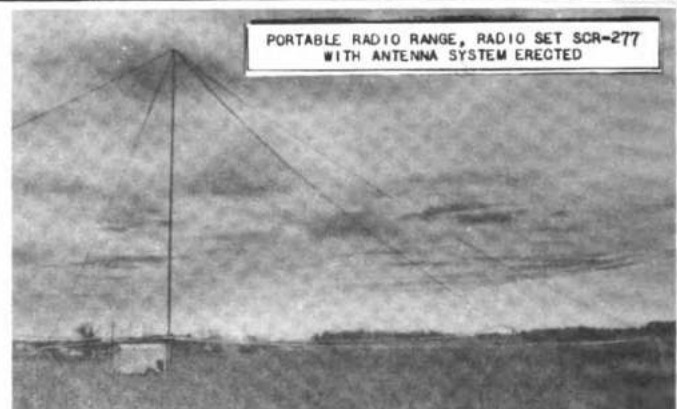
RANGE: AT LEAST 300 MILES.

TO COMMUNICATE WITH: ANY 0.2 - 0.4 Mc. RECEIVER.

TO REPLACE IN PART: NONE

TRANSPORTATION: MOBILE IN K-29 TRAILER.

TYPE OF SIGNAL: CW, MCW, VOICE.

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

ANTENNA TUNING UNIT BC-469

33"

24"

16"

141#

RESTRICTED

GONIOMETER UNIT BC-468

44"

22"

29"

234#

RESTRICTED

MAST MA -4-A

76'

7" DIA.

250#

RESTRICTED

POWER UNIT PE-90

51"

36"

35"

1075#

RESTRICTED

RADIO TRANSMITTER BC-467

49"

54"

22"

555#

TRAILER K-29

200"

76"

106"

3359#

RADIO RECEIVER BC-342

18"

9"

10"

61#

COMBINED WEIGHT OF COMPONENTS:

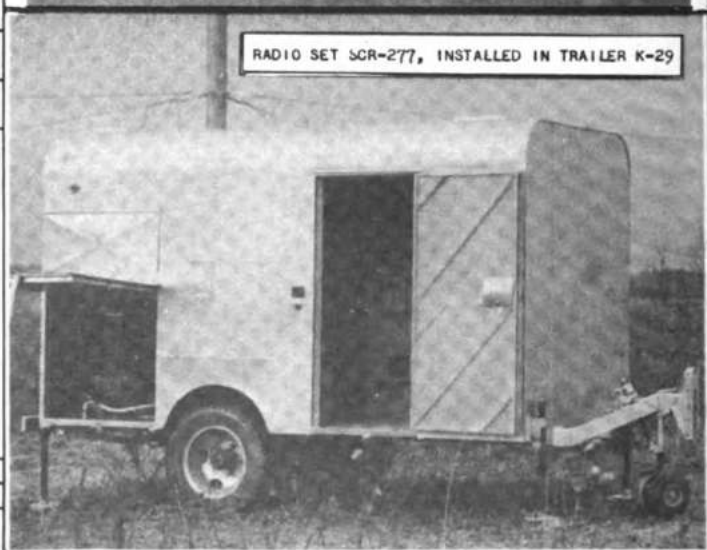
7000#

COMBINED VOLUME OF COMPONENTS:

875 cu. ft.

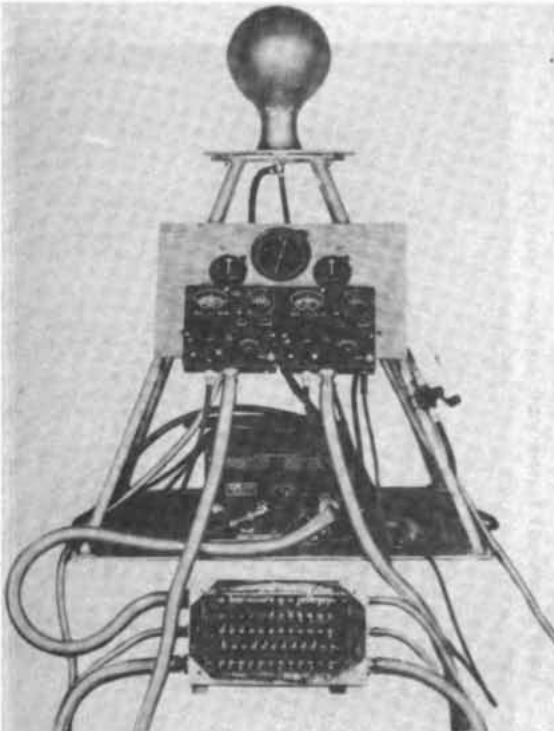
SHIP TONNAGE:

3.5



|                                          |                      |                               |                                                              |                              |                |
|------------------------------------------|----------------------|-------------------------------|--------------------------------------------------------------|------------------------------|----------------|
| INSTRUCTIONAL LITERATURE:<br>TO 08-10-93 | STATUS:              | LIMITED STANDARD<br>10 Nov 42 | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION. | NOMENCLATURE<br>DESIGNATION: | <b>SCR-280</b> |
|                                          | CHANGE IN<br>STATUS: |                               |                                                              |                              |                |



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

FREQUENCY RANGE: (Kc) 200 TO 1,750 COVERED IN 3 BANDS.

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES:

ANTENNA: 8" LOOP AND FIXED NONDIRECTIONAL (MANUALLY OPERATED)

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 12 VOLTS DC

SIMILAR SETS: SCR-263 WHICH OPERATES FROM 24 - 28 VOLT POWER SOURCE SCR-273-A EXCEPT FREQUENCY.

POWER OUTPUT: (WATTS) RECEPTION ONLY.

TUBES: (TYPE AND NUMBER) SCR-280-A USES:

|         |          |
|---------|----------|
| 1 - 6F6 | 1 - 6J5  |
| 6 - 6K7 | 1 - 6N7  |
| 1 - 6L7 | 1 - 6SC7 |
| 1 - 688 |          |

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

USE: PROVIDES: VISUAL, UNIDIRECTIONAL, RIGHT-LEFT INDICATION, AURAL RECEPTION OF MODULATED RADIO FREQUENCY ENERGY USING LOOP ANTENNA, AURAL RECEPTION OF MODULATED R.F. USING NONDIRECTIONAL ANTENNA, AURAL NULL DIRECTIONAL INDICATIONS OF THE ARRIVAL OF MODULATED RADIO FREQUENCY ENERGY WITH RESPECT TO THE PLANE OF THE LOOP USING A LOOP ANTENNA.

RANGE: (MILES)

TO COMMUNICATE WITH:

TO REPLACE IN PART:

TRANSPORTATION: AIRCRAFT INSTALLATION.

TYPE OF SIGNAL: CW; MCW.

| PART C - PRINCIPAL COMPONENTS<br>(CLASSIFICATION: RESTRICTED )                                                                                              |            |        |          |                       |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|----------|-----------------------|----------------|
| ITEM                                                                                                                                                        | DIMENSIONS |        |          | WEIGHT                | CLASSIFICATION |
|                                                                                                                                                             | HEIGHT     | WIDTH  | DEPTH    |                       |                |
| RADIO COMPASS UNIT BC-431-A                                                                                                                                 | 7 7/8      | 12     | 19 13/16 | 42.0                  |                |
| 2-RADIO CONTROL BOX BC-432-B                                                                                                                                | 7 1/2      | 7 1/2  | 3 15/16  | 8.0<br>(1.0 EA.)      |                |
| LOOP LP-19-A                                                                                                                                                | 25 3/8     | 13 1/2 | 9        | 7.06                  |                |
| 2-COMPASS INDICATOR I-65-D                                                                                                                                  | 3 1/4      | 3 1/4  | 4 9/32   | 3.2<br>(1.0 EA.)      |                |
| INDICATOR I-75                                                                                                                                              |            |        |          |                       |                |
| NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND FIGURES SHOWN ARE THEREFORE APPROXIMATE. |            |        |          |                       |                |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                              |            |        |          | 71.824                |                |
| COMBINED VOLUME:                                                                                                                                            |            |        |          | 582.4 CU. IN. APPROX. |                |
| SHIP TONNAGE:                                                                                                                                               |            |        |          | 0.0338 T              |                |

RADIO COMPASS SCR - 280  
PRINCIPAL COMPONENTS

# SCR-282

NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

LIMITED STANDARD  
10 Nov 42

INSTRUCTIONAL LITERATURE:

TO 08-10-27

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

FREQUENCY RANGE: (Kc) 150 - 1,500 Kc.

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: NONE

ANTENNA: LOOP AND FIXED VERTICAL ANTENNA.

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 24 - 28 VOLTS DC, AIRCRAFT BATTERY.

SIMILAR SETS: SCR-242 WHICH USES 12 VOLT POWER SOURCE.

POWER OUTPUT: (WATTS)

TUBES: (TYPE AND NUMBER)  
1 VT-66  
6 VT-86  
1 VT-87  
1 VT-93  
1 VT-94  
2 VT-96**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: )

USE: TO PROVIDE AURAL RECEPTION OF MODULATED RADIO FREQUENCY ENERGY OR VISUAL, UNI-DIRECTIONAL, RIGHT-LEFT INDICATION OF THE DIRECTION OF ARRIVAL OF RADIO FREQUENCY ENERGY WITH RESPECT TO THE PLANE OF THE LOOP AND SIMULTANEOUS "ON COURSE", AURAL RECEPTION OF MODULATED RADIO FREQUENCY.

RANGE: (MILES)

TO COMMUNICATE WITH:

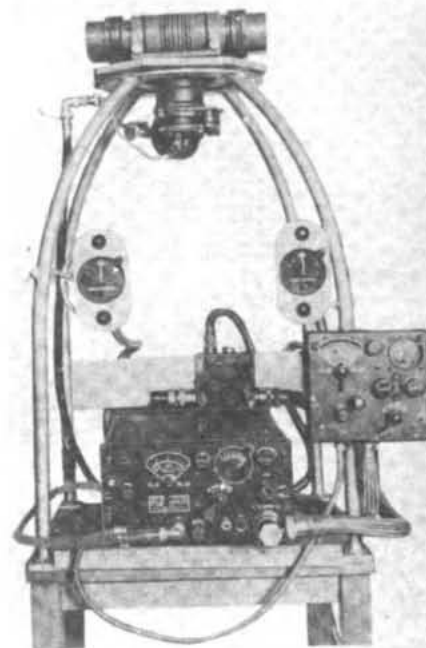
TO REPLACE IN PART: SCR-186

TRANSPORTATION: AIRCRAFT INSTALLATION

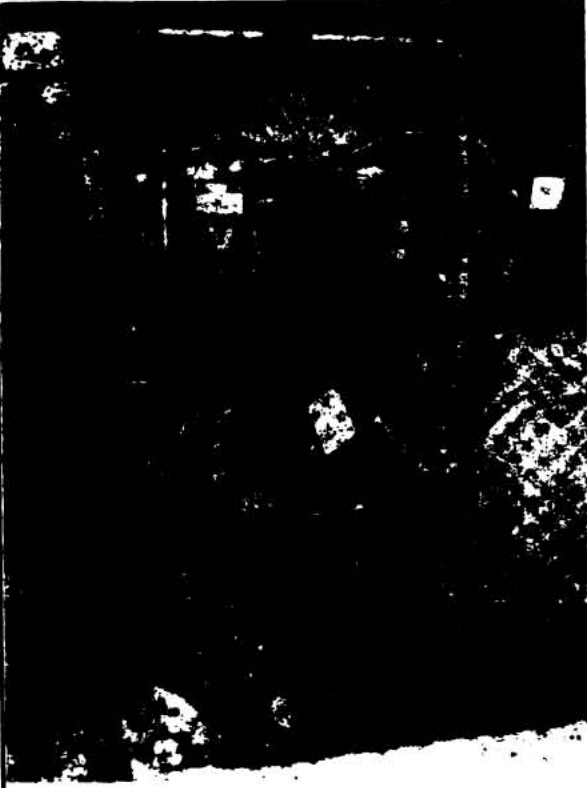
TYPE OF SIGNAL: CW &amp; MCW

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

| ITEM                                                                                                                                                            | DIMENSIONS |       |         | WEIGHT      | CLASSIFICATION |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|---------|-------------|----------------|
|                                                                                                                                                                 | HEIGHT     | WIDTH | DEPTH   |             |                |
| RADIO COMPASS UNIT BC-310                                                                                                                                       | 7          | 12    | 20 1/2  | 45.3        |                |
| RADIO CONTROL BOX BC-311                                                                                                                                        | 7 1/2      | 7 1/2 | 3 15/16 | 4.3         |                |
| LOOP LP-18-C                                                                                                                                                    |            |       |         | 7.1         |                |
| INDICATOR I-75-A                                                                                                                                                |            |       |         |             |                |
| NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE. |            |       |         |             |                |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                  |            |       |         | 65# APPROX. |                |
| COMBINED VOLUME:                                                                                                                                                |            |       |         |             |                |
| SHIP TONNAGE:                                                                                                                                                   |            |       |         |             |                |

CHANGE IN  
STATUS:

RADIO COMPASS SCR-282 IN OPERATING POSITION - SHOWING COMPONENTS

| INSTRUCTIONAL LITERATURE:<br>TM 11-200                                                                                                                                                                                                                                                                                        | STATUS:              | LIMITED STANDARD<br>13 Nov 43 | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NOMENCLATURE<br>DESIGNATION: <b>SCR-283</b> |                                                                                                                                                                                                                                                                                                                                                                                             |       |        |      |                |  |  |        |                |        |       |       |                     |       |       |          |    |  |                     |       |       |        |      |  |                 |  |  |  |     |  |                          |       |   |        |    |  |                          |        |   |       |    |  |                          |        |       |       |     |  |                                        |  |  |  |  |  |                    |  |  |  |  |  |                                |  |  |  |                                     |  |                  |  |  |  |             |  |               |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|------|----------------|--|--|--------|----------------|--------|-------|-------|---------------------|-------|-------|----------|----|--|---------------------|-------|-------|--------|------|--|-----------------|--|--|--|-----|--|--------------------------|-------|---|--------|----|--|--------------------------|--------|---|-------|----|--|--------------------------|--------|-------|-------|-----|--|----------------------------------------|--|--|--|--|--|--------------------|--|--|--|--|--|--------------------------------|--|--|--|-------------------------------------|--|------------------|--|--|--|-------------|--|---------------|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                                                               | CHANGE IN<br>STATUS: |                               | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )<br>FREQUENCY RANGE: (Kc) RECEIVING- 201-398 Kc,<br>4150-7700 Kc. TRANSMITTING- 2500-7700 Kc.<br>NUMBER OF CRYSTALS: NONE<br>PRESET FREQUENCIES: NONE<br>ANTENNA: RECVRS 5 FT. VERTICAL MAST.<br>TRANS: "T" OR "L" TYPE 16 TO 18 FT. LONG.<br>TUNING: (MO OR XTAL) MO<br>SENSITIVITY: SELECTIVITY:<br>POWER SOURCE: 24 VOLT PLANE BATTERY<br>SIMILAR SETS: SCR-183 EXCEPT 24 V.<br>POWER OUTPUT: (WATTS) VOICE 3.3; MCW 3.2; CW 4.0.<br>TUBE: (TYPE AND NUMBER) SCR-AL-283 USED:<br>4 TYPE 59<br>1 TYPE 57<br>1 TYPE 58<br>2 TYPE 10<br>2 TYPE 45 SPL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                             | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )<br>USE: COMMAND SET - PLANE-TO-PLANE; PLANE-TO-<br>GROUND COMMUNICATIONS.<br>RANGE: (MILES) 30-45 MILES PLANE-TO-PLANE.<br>10-20 MILES PLANE-TO-GROUND.<br>TO COMMUNICATE WITH: OTHER EQUIPMENT WITHIN RANGE<br>COVERING SAME FREQUENCIES.<br>TO REPLACE IN PART:<br>TRANSPORTATION: AIRBORNE<br>TYPE OF SIGNAL: TONE, VOICE |       |        |      |                |  |  |        |                |        |       |       |                     |       |       |          |    |  |                     |       |       |        |      |  |                 |  |  |  |     |  |                          |       |   |        |    |  |                          |        |   |       |    |  |                          |        |       |       |     |  |                                        |  |  |  |  |  |                    |  |  |  |  |  |                                |  |  |  |                                     |  |                  |  |  |  |             |  |               |  |  |  |  |  |
|  <p>RADIO SET SCR-283 SHOWING RADIO OPERATOR'S POSITION<br/>         CALIBRATING CRYSTAL DC-10 MAY BE USED WITH TRANSMITTER<br/>         BC-430. RADIO SET SCR-283 IS BEING REPLACED BY RADIO<br/>         SET SCR-274-N AND/OR SCR-522.</p> |                      |                               | <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION: )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                             |                                                                                                                                                                                                                                                                                                                                                                                             |       |        |      |                |  |  |        |                |        |       |       |                     |       |       |          |    |  |                     |       |       |        |      |  |                 |  |  |  |     |  |                          |       |   |        |    |  |                          |        |   |       |    |  |                          |        |       |       |     |  |                                        |  |  |  |  |  |                    |  |  |  |  |  |                                |  |  |  |                                     |  |                  |  |  |  |             |  |               |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                               |                      |                               | <table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO RECVR. BC-429</td> <td>7 5/8</td> <td>8 1/4</td> <td>15 11/16</td> <td>12</td> <td></td> </tr> <tr> <td>RADIO TRANS. BC-430</td> <td>7 5/8</td> <td>6 5/8</td> <td>13 1/4</td> <td>10.2</td> <td></td> </tr> <tr> <td>DYNAMOTOR BD-93</td> <td></td> <td></td> <td></td> <td>9.9</td> <td></td> </tr> <tr> <td>RADIO CONTROL BOX BC-231</td> <td>4 5/8</td> <td>4</td> <td>2 7/16</td> <td>.9</td> <td></td> </tr> <tr> <td>RADIO CONTROL BOX BC-232</td> <td>2 7/16</td> <td>4</td> <td>4 5/8</td> <td>.9</td> <td></td> </tr> <tr> <td>ANTENNA SW. RELAY BC-408</td> <td>4 9/16</td> <td>4 5/8</td> <td>2 3/4</td> <td>1.1</td> <td></td> </tr> <tr> <td colspan="5">2 RECVR COIL SETS (ONE IS A DUAL COIL)</td> <td></td> </tr> <tr> <td colspan="5">6 TRANS COIL SETS.</td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>45.36 (INCLUDING WIRING AND CABLES)</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME:</td> <td>1.5 Cu. Ft.</td> <td></td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td></td> <td></td> </tr> </tbody> </table> |                                             |                                                                                                                                                                                                                                                                                                                                                                                             |       |        | ITEM | DIMENSIONS     |  |  | WEIGHT | CLASSIFICATION | HEIGHT | WIDTH | DEPTH | RADIO RECVR. BC-429 | 7 5/8 | 8 1/4 | 15 11/16 | 12 |  | RADIO TRANS. BC-430 | 7 5/8 | 6 5/8 | 13 1/4 | 10.2 |  | DYNAMOTOR BD-93 |  |  |  | 9.9 |  | RADIO CONTROL BOX BC-231 | 4 5/8 | 4 | 2 7/16 | .9 |  | RADIO CONTROL BOX BC-232 | 2 7/16 | 4 | 4 5/8 | .9 |  | ANTENNA SW. RELAY BC-408 | 4 9/16 | 4 5/8 | 2 3/4 | 1.1 |  | 2 RECVR COIL SETS (ONE IS A DUAL COIL) |  |  |  |  |  | 6 TRANS COIL SETS. |  |  |  |  |  | COMBINED WEIGHT OF COMPONENTS: |  |  |  | 45.36 (INCLUDING WIRING AND CABLES) |  | COMBINED VOLUME: |  |  |  | 1.5 Cu. Ft. |  | SHIP TONNAGE: |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                               |                      |                               | ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DIMENSIONS                                  |                                                                                                                                                                                                                                                                                                                                                                                             |       | WEIGHT |      | CLASSIFICATION |  |  |        |                |        |       |       |                     |       |       |          |    |  |                     |       |       |        |      |  |                 |  |  |  |     |  |                          |       |   |        |    |  |                          |        |   |       |    |  |                          |        |       |       |     |  |                                        |  |  |  |  |  |                    |  |  |  |  |  |                                |  |  |  |                                     |  |                  |  |  |  |             |  |               |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                               |                      |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | HEIGHT                                      | WIDTH                                                                                                                                                                                                                                                                                                                                                                                       | DEPTH |        |      |                |  |  |        |                |        |       |       |                     |       |       |          |    |  |                     |       |       |        |      |  |                 |  |  |  |     |  |                          |       |   |        |    |  |                          |        |   |       |    |  |                          |        |       |       |     |  |                                        |  |  |  |  |  |                    |  |  |  |  |  |                                |  |  |  |                                     |  |                  |  |  |  |             |  |               |  |  |  |  |  |
| RADIO RECVR. BC-429                                                                                                                                                                                                                                                                                                           | 7 5/8                | 8 1/4                         | 15 11/16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 12                                          |                                                                                                                                                                                                                                                                                                                                                                                             |       |        |      |                |  |  |        |                |        |       |       |                     |       |       |          |    |  |                     |       |       |        |      |  |                 |  |  |  |     |  |                          |       |   |        |    |  |                          |        |   |       |    |  |                          |        |       |       |     |  |                                        |  |  |  |  |  |                    |  |  |  |  |  |                                |  |  |  |                                     |  |                  |  |  |  |             |  |               |  |  |  |  |  |
| RADIO TRANS. BC-430                                                                                                                                                                                                                                                                                                           | 7 5/8                | 6 5/8                         | 13 1/4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10.2                                        |                                                                                                                                                                                                                                                                                                                                                                                             |       |        |      |                |  |  |        |                |        |       |       |                     |       |       |          |    |  |                     |       |       |        |      |  |                 |  |  |  |     |  |                          |       |   |        |    |  |                          |        |   |       |    |  |                          |        |       |       |     |  |                                        |  |  |  |  |  |                    |  |  |  |  |  |                                |  |  |  |                                     |  |                  |  |  |  |             |  |               |  |  |  |  |  |
| DYNAMOTOR BD-93                                                                                                                                                                                                                                                                                                               |                      |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 9.9                                         |                                                                                                                                                                                                                                                                                                                                                                                             |       |        |      |                |  |  |        |                |        |       |       |                     |       |       |          |    |  |                     |       |       |        |      |  |                 |  |  |  |     |  |                          |       |   |        |    |  |                          |        |   |       |    |  |                          |        |       |       |     |  |                                        |  |  |  |  |  |                    |  |  |  |  |  |                                |  |  |  |                                     |  |                  |  |  |  |             |  |               |  |  |  |  |  |
| RADIO CONTROL BOX BC-231                                                                                                                                                                                                                                                                                                      | 4 5/8                | 4                             | 2 7/16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | .9                                          |                                                                                                                                                                                                                                                                                                                                                                                             |       |        |      |                |  |  |        |                |        |       |       |                     |       |       |          |    |  |                     |       |       |        |      |  |                 |  |  |  |     |  |                          |       |   |        |    |  |                          |        |   |       |    |  |                          |        |       |       |     |  |                                        |  |  |  |  |  |                    |  |  |  |  |  |                                |  |  |  |                                     |  |                  |  |  |  |             |  |               |  |  |  |  |  |
| RADIO CONTROL BOX BC-232                                                                                                                                                                                                                                                                                                      | 2 7/16               | 4                             | 4 5/8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | .9                                          |                                                                                                                                                                                                                                                                                                                                                                                             |       |        |      |                |  |  |        |                |        |       |       |                     |       |       |          |    |  |                     |       |       |        |      |  |                 |  |  |  |     |  |                          |       |   |        |    |  |                          |        |   |       |    |  |                          |        |       |       |     |  |                                        |  |  |  |  |  |                    |  |  |  |  |  |                                |  |  |  |                                     |  |                  |  |  |  |             |  |               |  |  |  |  |  |
| ANTENNA SW. RELAY BC-408                                                                                                                                                                                                                                                                                                      | 4 9/16               | 4 5/8                         | 2 3/4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.1                                         |                                                                                                                                                                                                                                                                                                                                                                                             |       |        |      |                |  |  |        |                |        |       |       |                     |       |       |          |    |  |                     |       |       |        |      |  |                 |  |  |  |     |  |                          |       |   |        |    |  |                          |        |   |       |    |  |                          |        |       |       |     |  |                                        |  |  |  |  |  |                    |  |  |  |  |  |                                |  |  |  |                                     |  |                  |  |  |  |             |  |               |  |  |  |  |  |
| 2 RECVR COIL SETS (ONE IS A DUAL COIL)                                                                                                                                                                                                                                                                                        |                      |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                                                                                                                                                                                                                                                                                                                                                             |       |        |      |                |  |  |        |                |        |       |       |                     |       |       |          |    |  |                     |       |       |        |      |  |                 |  |  |  |     |  |                          |       |   |        |    |  |                          |        |   |       |    |  |                          |        |       |       |     |  |                                        |  |  |  |  |  |                    |  |  |  |  |  |                                |  |  |  |                                     |  |                  |  |  |  |             |  |               |  |  |  |  |  |
| 6 TRANS COIL SETS.                                                                                                                                                                                                                                                                                                            |                      |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                                                                                                                                                                                                                                                                                                                                                             |       |        |      |                |  |  |        |                |        |       |       |                     |       |       |          |    |  |                     |       |       |        |      |  |                 |  |  |  |     |  |                          |       |   |        |    |  |                          |        |   |       |    |  |                          |        |       |       |     |  |                                        |  |  |  |  |  |                    |  |  |  |  |  |                                |  |  |  |                                     |  |                  |  |  |  |             |  |               |  |  |  |  |  |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                                                                                                                                                                                |                      |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 45.36 (INCLUDING WIRING AND CABLES)         |                                                                                                                                                                                                                                                                                                                                                                                             |       |        |      |                |  |  |        |                |        |       |       |                     |       |       |          |    |  |                     |       |       |        |      |  |                 |  |  |  |     |  |                          |       |   |        |    |  |                          |        |   |       |    |  |                          |        |       |       |     |  |                                        |  |  |  |  |  |                    |  |  |  |  |  |                                |  |  |  |                                     |  |                  |  |  |  |             |  |               |  |  |  |  |  |
| COMBINED VOLUME:                                                                                                                                                                                                                                                                                                              |                      |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.5 Cu. Ft.                                 |                                                                                                                                                                                                                                                                                                                                                                                             |       |        |      |                |  |  |        |                |        |       |       |                     |       |       |          |    |  |                     |       |       |        |      |  |                 |  |  |  |     |  |                          |       |   |        |    |  |                          |        |   |       |    |  |                          |        |       |       |     |  |                                        |  |  |  |  |  |                    |  |  |  |  |  |                                |  |  |  |                                     |  |                  |  |  |  |             |  |               |  |  |  |  |  |
| SHIP TONNAGE:                                                                                                                                                                                                                                                                                                                 |                      |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                                                                                                                                                                                                                                                                                                                                                             |       |        |      |                |  |  |        |                |        |       |       |                     |       |       |          |    |  |                     |       |       |        |      |  |                 |  |  |  |     |  |                          |       |   |        |    |  |                          |        |   |       |    |  |                          |        |       |       |     |  |                                        |  |  |  |  |  |                    |  |  |  |  |  |                                |  |  |  |                                     |  |                  |  |  |  |             |  |               |  |  |  |  |  |

**SCR-284**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

LIMITED STANDARD  
28 JAN 44

INSTRUCTIONAL LITERATURE:

TM 11-275-A

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

FREQUENCY RANGE: (MC) 3.8 to 5.8

NUMBER OF CRYSTALS: 1 IN CALIBRATOR.

PRESET FREQUENCIES: None

ANTENNA: 15' FIVE SECTION FISHPOLE TYPE FOR TRUCK  
USE. 25' EIGHT SECTION FISHPOLE WHEN STATIONARY  
OR FOR FIELD USE. L TYPE WIRE

TUNING: (MO:OR XTAL) MO WITH XTAL CALIBRATOR.

SENSITIVITY: SELECTIVITY:

POWER SOURCE: HAND GENERATOR GN-45-A OR POWER  
UNIT PE-103 (12 VOLT) REOVR. BY DRY BATTERIES  
OR POWER CONVERTER UNIT PE-104 (6 OR 12 V.)

SIMILAR SETS: SCR-288

POWER OUTPUT: (WATTS) HIGH POWER: CW-20; VOICE-5  
LOW POWER: CW-8; VOICE-2.TUBES: (TYPE AND NUMBER) 1 6C-654-A TRANS. &  
REOVR. REOVR: 4 3Q5GT; 1 1-H 5 GT; 3 1-N  
5 GT; 1 1-A 7 GT. TRANS: 4 3Q 5 GT; 2 307-A.**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 IN-  
CLUDING BATTALIONS. FOR COMMUNICATIONS WITH  
TANK DESTROYER UNITS.

RANGE: (MILES) CW-30; VOICE-7.

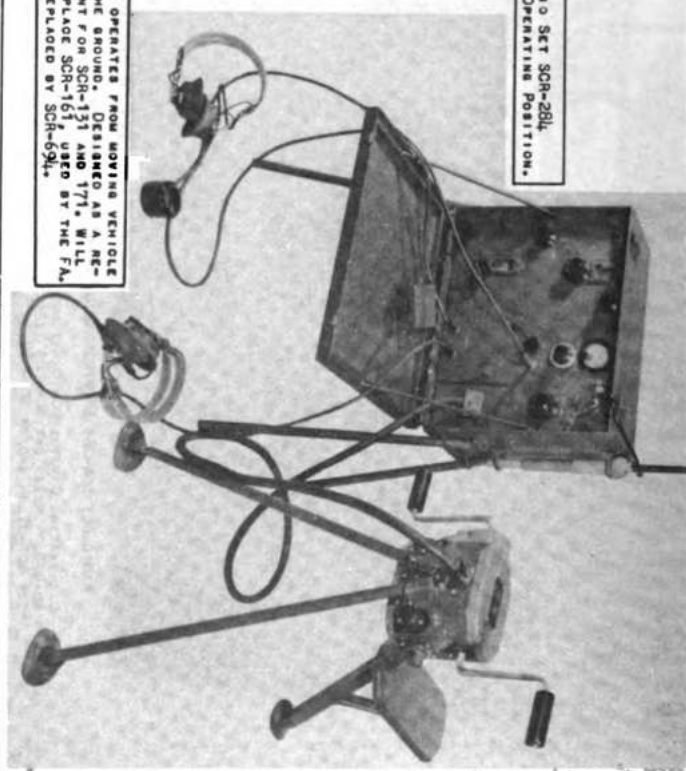
TO COMMUNICATE WITH: SCR-131; SCR-161; SCR-183;  
SCR-274-N; SCR-284; SCR-288; SCR-536.TO REPLACE IN PART: SCR-131; SCR-161; SCR-171;  
SCR-288.

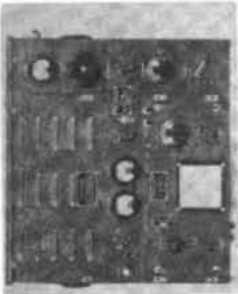
TRANSPORTATION: TWO OR THREE MEN, OR IN VEHICLE.

TYPE OF SIGNAL: CW; VOICE.

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

| ITEM                           | DIMENSIONS |         |        | WEIGHT | CLASSIFICATION |
|--------------------------------|------------|---------|--------|--------|----------------|
|                                | HEIGHT     | WIDTH   | DEPTH  |        |                |
| REOVR. & TRANS. 6C-654         | 14"        | 18"     | 9 3/4" | 44#    | UNCLASSIFIED   |
| GENERATOR GN-45                | 9"         | 6 1/4"  | 6 3/4" | 22#    | UNCLASSIFIED   |
| POWER UNIT PE-103              | 12 3/4"    | 16 1/2" | 5 1/2" | 53#    | UNCLASSIFIED   |
| REMOTE CONTROL UNIT RM-29      | 6 1/4"     | 10 1/8" | 8 1/2" | 15#    | UNCLASSIFIED   |
| COMBINED WEIGHT OF COMPONENTS: |            |         |        | 250#   |                |
| COMBINED VOLUME:               |            |         |        |        |                |
| SHIP TONNAGE:                  |            |         |        |        |                |

SCR-284 OPERATES FROM MOVING VEHICLE  
OR ON THE GROUND. DESIGNED AS RE-  
PLACEMENT FOR SCR-131 AND 171. WILL  
ALSO REPLACE SCR-161 USED BY THE P.A.  
TO BE REPLACED BY SCR-654.RADIO SET SCR-284  
IN OPERATING POSITION.

| <b>INSTRUCTIONAL LITERATURE:</b><br>BC-348-C - TO 08-10-47<br>BC-375-C - TO 08-10-60                                                                                                                                                                                                                                                                                                 | <b>STATUS:</b><br><br><b>CHANGE IN STATUS:</b> | SCR-287-A STANDARD<br>31 OCT 39 | <b>NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>NOMENCLATURE DESIGNATION:</b><br><h1 style="text-align: center;">SCR-287</h1>                                                                                                                                                                                                                                                                                |      |                |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|--|--|--------|----------------|--------|-------|-------|-------------------------|----|--------|-------|------|--|----------------------------|----------|--------|--------|----|--|------------------------------|--------|-------|-------|------|--|------------------------|----|----|-------|----|--|--------------------------------|-------|--------|-------|----|--|--------------------------------|-------|--------|-------|----|--|--------------------------------|-------|--------|-------|----|--|--------------------------------|-------|--------|-------|----|--|--------------------------------|-------|--------|-------|----|--|---------------------------------|-------|--------|-------|----|--|---------------------------------|-------|--------|-------|----|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--------------------------------|--|--|--|--------------|--|------------------|--|--|--|-------------------|--|---------------|--|--|--|--|--|
| <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>RADIO RECEIVER BC-348-B</p> </div> <div style="text-align: center;">  <p>DYNAMOTOR UNIT PE-73-B</p> </div> </div> |                                                |                                 | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )<br><br>FREQUENCY RANGE: 1.5 - 18 Mcv. Mo.<br>TRANS. - 1.5 - 12.5 Mo.; 260-500 Kc.; 650-1500 Kc.<br>NUMBER OF CRYSTALS: NONE<br>PRESET FREQUENCIES: NONE<br>ANTENNA: TRAILING WIRE ANTENNA.<br>TUNING: (MO OR XTAL) MO<br>SENSITIVITY: SELECTIVITY:<br>POWER SOURCE: 24 VOLTS, DC AND PE-73<br>SIMILAR SETS: SCR-187 EXCEPT 12 V.<br>POWER OUTPUT: (WATTS) 60 @ 12 Mo/s, 30 @ 1.5 Mo/s.<br>TUBES: (TYPE AND NUMBER) SCR-287-A USES:<br>TRANS: 4 VT-4-C REOVR: 1 VT-4B<br>1 VT-25               1 VT-65<br>1 VT-70<br>1 VT-86<br>1 VT-91<br>1 VT-93                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )<br><br>USE: AIRBORNE LIAISON SET. AIR-TO-AIR, AIR-TO-GROUND COMMUNICATION.<br><br>RANGE: (MILES) 50 TO SEVERAL HUNDRED MILES.<br>TO COMMUNICATE WITH: SCR-188; SCR-193; SCR-197 AND SCR-299.<br>TO REPLACE IN PART:<br>TRANSPORTATION: INSTALLED IN AIRCRAFT.<br>TYPE OF SIGNAL: CW; MCW; VOICE. |      |                |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |
| <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>RADIO TRANSMITTER BC-375-C</p> </div> <div style="text-align: center;">  <p>REEL RL-30-B</p> </div> </div>      |                                                |                                 | <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION: RESTRICTED ) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO RECEIVER BC-348-C</td> <td>18</td> <td>10 1/2</td> <td>9 1/2</td> <td>35.2</td> <td></td> </tr> <tr> <td>RADIO TRANSMITTER BC-375-C</td> <td>21 21/32</td> <td>23 1/8</td> <td>9 5/16</td> <td>53</td> <td></td> </tr> <tr> <td>ANTENNA TUNING UNIT BC-306-A</td> <td>17 3/4</td> <td>9 1/2</td> <td>9 1/8</td> <td>9.75</td> <td></td> </tr> <tr> <td>DYNAMOTOR UNIT PE-73-B</td> <td>11</td> <td>11</td> <td>7 1/2</td> <td>39</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-5-A</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-6-A</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-7-A</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-8-A</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-9-A</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-10-A</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td>TRANSMITTER TUNING UNIT TU-22-A</td> <td>7 5/8</td> <td>16 3/4</td> <td>8 3/4</td> <td>13</td> <td></td> </tr> <tr> <td colspan="5">           NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.         </td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>250# APPROX.</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME:</td> <td>6 CU. FT. APPROX.</td> <td></td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td></td> <td></td> </tr> </tbody> </table> |                                                                                                                                                                                                                                                                                                                                                                 | ITEM | DIMENSIONS     |  |  | WEIGHT | CLASSIFICATION | HEIGHT | WIDTH | DEPTH | RADIO RECEIVER BC-348-C | 18 | 10 1/2 | 9 1/2 | 35.2 |  | RADIO TRANSMITTER BC-375-C | 21 21/32 | 23 1/8 | 9 5/16 | 53 |  | ANTENNA TUNING UNIT BC-306-A | 17 3/4 | 9 1/2 | 9 1/8 | 9.75 |  | DYNAMOTOR UNIT PE-73-B | 11 | 11 | 7 1/2 | 39 |  | TRANSMITTER TUNING UNIT TU-5-A | 7 5/8 | 16 3/4 | 8 3/4 | 13 |  | TRANSMITTER TUNING UNIT TU-6-A | 7 5/8 | 16 3/4 | 8 3/4 | 13 |  | TRANSMITTER TUNING UNIT TU-7-A | 7 5/8 | 16 3/4 | 8 3/4 | 13 |  | TRANSMITTER TUNING UNIT TU-8-A | 7 5/8 | 16 3/4 | 8 3/4 | 13 |  | TRANSMITTER TUNING UNIT TU-9-A | 7 5/8 | 16 3/4 | 8 3/4 | 13 |  | TRANSMITTER TUNING UNIT TU-10-A | 7 5/8 | 16 3/4 | 8 3/4 | 13 |  | TRANSMITTER TUNING UNIT TU-22-A | 7 5/8 | 16 3/4 | 8 3/4 | 13 |  | NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE. |  |  |  |  |  | COMBINED WEIGHT OF COMPONENTS: |  |  |  | 250# APPROX. |  | COMBINED VOLUME: |  |  |  | 6 CU. FT. APPROX. |  | SHIP TONNAGE: |  |  |  |  |  |
| ITEM                                                                                                                                                                                                                                                                                                                                                                                 | DIMENSIONS                                     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WEIGHT                                                                                                                                                                                                                                                                                                                                                          |      | CLASSIFICATION |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                      | HEIGHT                                         | WIDTH                           | DEPTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                 |      |                |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |
| RADIO RECEIVER BC-348-C                                                                                                                                                                                                                                                                                                                                                              | 18                                             | 10 1/2                          | 9 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 35.2                                                                                                                                                                                                                                                                                                                                                            |      |                |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |
| RADIO TRANSMITTER BC-375-C                                                                                                                                                                                                                                                                                                                                                           | 21 21/32                                       | 23 1/8                          | 9 5/16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 53                                                                                                                                                                                                                                                                                                                                                              |      |                |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |
| ANTENNA TUNING UNIT BC-306-A                                                                                                                                                                                                                                                                                                                                                         | 17 3/4                                         | 9 1/2                           | 9 1/8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 9.75                                                                                                                                                                                                                                                                                                                                                            |      |                |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |
| DYNAMOTOR UNIT PE-73-B                                                                                                                                                                                                                                                                                                                                                               | 11                                             | 11                              | 7 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 39                                                                                                                                                                                                                                                                                                                                                              |      |                |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |
| TRANSMITTER TUNING UNIT TU-5-A                                                                                                                                                                                                                                                                                                                                                       | 7 5/8                                          | 16 3/4                          | 8 3/4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 13                                                                                                                                                                                                                                                                                                                                                              |      |                |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |
| TRANSMITTER TUNING UNIT TU-6-A                                                                                                                                                                                                                                                                                                                                                       | 7 5/8                                          | 16 3/4                          | 8 3/4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 13                                                                                                                                                                                                                                                                                                                                                              |      |                |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |
| TRANSMITTER TUNING UNIT TU-7-A                                                                                                                                                                                                                                                                                                                                                       | 7 5/8                                          | 16 3/4                          | 8 3/4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 13                                                                                                                                                                                                                                                                                                                                                              |      |                |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |
| TRANSMITTER TUNING UNIT TU-8-A                                                                                                                                                                                                                                                                                                                                                       | 7 5/8                                          | 16 3/4                          | 8 3/4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 13                                                                                                                                                                                                                                                                                                                                                              |      |                |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |
| TRANSMITTER TUNING UNIT TU-9-A                                                                                                                                                                                                                                                                                                                                                       | 7 5/8                                          | 16 3/4                          | 8 3/4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 13                                                                                                                                                                                                                                                                                                                                                              |      |                |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |
| TRANSMITTER TUNING UNIT TU-10-A                                                                                                                                                                                                                                                                                                                                                      | 7 5/8                                          | 16 3/4                          | 8 3/4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 13                                                                                                                                                                                                                                                                                                                                                              |      |                |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |
| TRANSMITTER TUNING UNIT TU-22-A                                                                                                                                                                                                                                                                                                                                                      | 7 5/8                                          | 16 3/4                          | 8 3/4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 13                                                                                                                                                                                                                                                                                                                                                              |      |                |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |
| NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.                                                                                                                                                                                                                      |                                                |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                 |      |                |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                                                                                                                                                                                                                                       |                                                |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 250# APPROX.                                                                                                                                                                                                                                                                                                                                                    |      |                |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |
| COMBINED VOLUME:                                                                                                                                                                                                                                                                                                                                                                     |                                                |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6 CU. FT. APPROX.                                                                                                                                                                                                                                                                                                                                               |      |                |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |
| SHIP TONNAGE:                                                                                                                                                                                                                                                                                                                                                                        |                                                |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                 |      |                |  |  |        |                |        |       |       |                         |    |        |       |      |  |                            |          |        |        |    |  |                              |        |       |       |      |  |                        |    |    |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                |       |        |       |    |  |                                 |       |        |       |    |  |                                 |       |        |       |    |  |                                                                                                                                                                 |  |  |  |  |  |                                |  |  |  |              |  |                  |  |  |  |                   |  |               |  |  |  |  |  |

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

**SCR-288**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION

STATUS:

INSTRUCTIONAL LITERATURE:  
TM 11-250.**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION )FREQUENCY RANGE: TRANS: 3.5 - 6.3 (Mo)  
RECV: 2.3 - 6.5 (Mo)

NUMBER OF CRYSTALS:

PRESET FREQUENCIES:

ANTENNA: 35' STRAIGHT INSULATED WIRE WITH  
COUNTERPOISE.

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: TRANS: GENERATOR GN-44.  
RECV: GENERATOR GN-44 OR DRY BATTERIES.

SIMILAR SETS: SCR-284.

POWER OUTPUT: (WATTS) 4 75% MODULATION ON  
VOICE AND CW.TUBES: (TYPE AND NUMBER) SCR-288 USES: 3 VT-107  
1 VT-146  
1 VT-147  
1 VT-148  
1 VT-149**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION )USE: INF: 8, REST. BN.  
FA: DIV. ARTY, REST. BN.  
SIS C: Co.RANGE: (MILES) STATIONARY: 30 USING CW; 15 USING  
VOICE.TO COMMUNICATE WITH: SCR-131; SCR-161; SCR-193;  
SCR-238; SCR-245.

TO REPLACE IN PART: SCR-131; 161; 171.

TRANSPORTATION: 2 MAN LOAD.

TYPE OF SIGNAL: CW; VOICE.

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

ITEM

## DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

RADIO TRANS. &amp; RECV. BC-474

18"

9 1/2"

7 1/2"

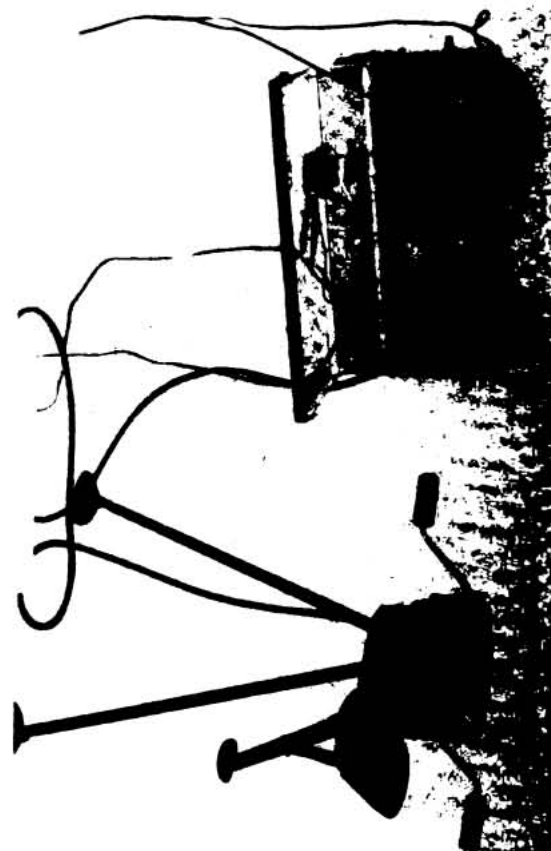
84#

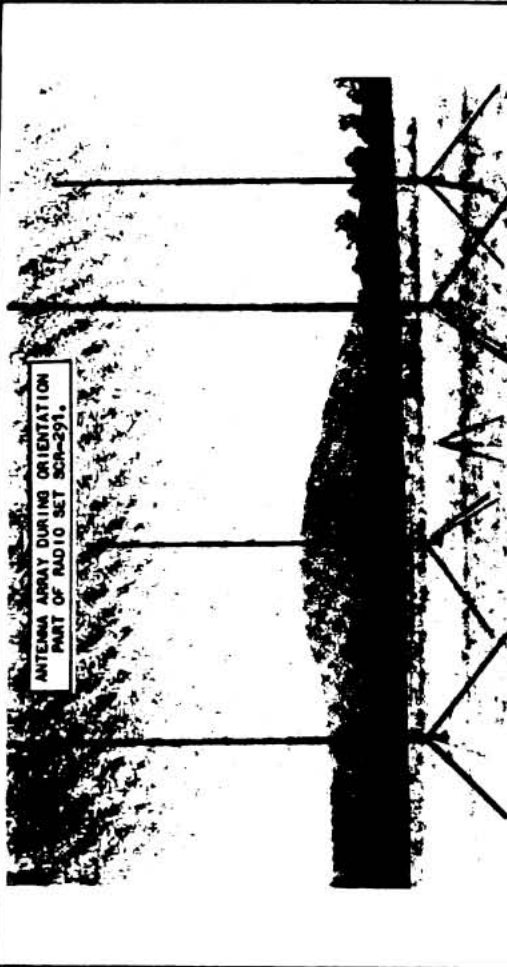
COMBINED WEIGHT OF COMPONENTS:

84#

COMBINED VOLUME:

SHIP TONNAGE:

RADIO SET SCR-288  
Prepared for Operation

| INSTRUCTIONAL LITERATURE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | STATUS:                                                                                                                                                                                                                                                                                                                                                                                         | STANDARD<br>20 Nov 42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION. | NOMENCLATURE<br>DESIGNATION: <b>SCR-291</b> |      |                |  |  |        |                |        |       |       |                                                                                                                   |     |     |     |      |  |                                                                                  |     |     |     |      |  |                                                      |     |     |     |      |  |                                                     |     |     |     |      |  |                                                           |     |     |      |      |  |                                                                                                                                                          |     |     |     |      |  |                                |  |  |  |       |  |                               |  |  |  |            |  |               |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------|------|----------------|--|--|--------|----------------|--------|-------|-------|-------------------------------------------------------------------------------------------------------------------|-----|-----|-----|------|--|----------------------------------------------------------------------------------|-----|-----|-----|------|--|------------------------------------------------------|-----|-----|-----|------|--|-----------------------------------------------------|-----|-----|-----|------|--|-----------------------------------------------------------|-----|-----|------|------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|------|--|--------------------------------|--|--|--|-------|--|-------------------------------|--|--|--|------------|--|---------------|--|--|--|--|--|
|  <p>ANTENNA ARRAY DURING ORIENTATION<br/>PART OF RADIO SET SCR-291.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CHANGE IN<br>STATUS:                                                                                                                                                                                                                                                                                                                                                                            | <p><b>PART A - TECHNICAL CHARACTERISTICS</b><br/>(CLASSIFICATION: <b>RESTRICTED</b>)</p> <p>FREQUENCY RANGE: (MD) 2 - 10</p> <p>NUMBER OF CRYSTALS: DOES NOT APPLY</p> <p>PRESET FREQUENCIES: DOES NOT APPLY</p> <p>ANTENNA: MODIFIED U AD000K</p> <p>TUNING: (MD OR XTAL) DOES NOT APPLY</p> <p>SENSITIVITY: 10 MICROVOLTS/METER FOR 10DB SIGNAL/<br/>NOISE RATIO.</p> <p>SELECTIVITY:</p> <p>POWER SOURCE: 110V. AC PORTABLE GENERATOR<br/>(KOHLER 1M-21A)</p> <p>SIMILAR SETS: SCR-502</p> <p>POWER OUTPUT: (WATTS) DOES NOT APPLY</p> <p>TUBES: (TYPE AND NUMBER) SEE NOTE *</p> |                                                              |                                             |      |                |  |  |        |                |        |       |       |                                                                                                                   |     |     |     |      |  |                                                                                  |     |     |     |      |  |                                                      |     |     |     |      |  |                                                     |     |     |     |      |  |                                                           |     |     |      |      |  |                                                                                                                                                          |     |     |     |      |  |                                |  |  |  |       |  |                               |  |  |  |            |  |               |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <p><b>PART B - TACTICAL CHARACTERISTICS</b><br/>(CLASSIFICATION: <b>RESTRICTED</b>)</p> <p>USE: TO DIRECT FLIGHT OF FRIENDLY PLANES AND<br/>DETECT DIRECTION OF ENEMY TRANSMITTERS,<br/>PARTICULARLY AIRCRAFT.</p> <p>RANGE: LONG</p> <p>TO COMMUNICATE WITH: DOES NOT APPLY.</p> <p>TO REPLACE IN PART: SCR-551 IN PART.</p> <p>TRANSPORTATION: AIR</p> <p>TYPE OF SIGNAL: DOES NOT APPLY.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                              |                                             |      |                |  |  |        |                |        |       |       |                                                                                                                   |     |     |     |      |  |                                                                                  |     |     |     |      |  |                                                      |     |     |     |      |  |                                                     |     |     |     |      |  |                                                           |     |     |      |      |  |                                                                                                                                                          |     |     |     |      |  |                                |  |  |  |       |  |                               |  |  |  |            |  |               |  |  |  |  |  |
| <p><b>PART C - PRINCIPAL COMPONENTS</b><br/>(CLASSIFICATION: <b>RESTRICTED</b>)</p> <table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>1 CHEST CH-161 CONTAINING:<br/>1 REGR. BC-1147<br/>1 CONTROL PANEL PH-31<br/>1 TELEPHONE PANEL PH-32<br/>1 RACK FM-61</td> <td>37"</td> <td>28"</td> <td>29"</td> <td>400#</td> <td></td> </tr> <tr> <td>1 CHEST CH-162 CONTAINING:<br/>1 GONIOMETER MC-412<br/>1 BEARING INDICATOR BC-1159</td> <td>26"</td> <td>16"</td> <td>48"</td> <td>212#</td> <td></td> </tr> <tr> <td>3 CRATES CONTAINING: (EACH)<br/>1 SHELTER HO-20 (D/F)</td> <td>17"</td> <td>40"</td> <td>73"</td> <td>595#</td> <td></td> </tr> <tr> <td>1 CRATE CONTAINING:<br/>1 SHELTER HO-19 (POWER UNIT)</td> <td>14"</td> <td>49"</td> <td>65"</td> <td>368#</td> <td></td> </tr> <tr> <td>3 CRATES CONTAINING: (EACH)<br/>1 ANTENNA EQUIPMENT RC-223</td> <td>21"</td> <td>22"</td> <td>112"</td> <td>390#</td> <td></td> </tr> <tr> <td>2 POWER UNITS, KOHLER 1M-21A (EACH)<br/>1 GASOLINE HEATER, EVANS HV-203000<br/>OTHER ASSOCIATED EQUIPMENT INCLUDING R.F. CABLES,<br/>REELS, TEST EQUIPMENT.</td> <td>35"</td> <td>15"</td> <td>37"</td> <td>497#</td> <td></td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS.</td> <td></td> <td></td> <td></td> <td>6900#</td> <td></td> </tr> <tr> <td>COMBINED VOLUME OF COMPONENTS</td> <td></td> <td></td> <td></td> <td>350 CU.FT.</td> <td></td> </tr> <tr> <td>SHIP TONNAGE:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> |                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                              |                                             | ITEM | DIMENSIONS     |  |  | WEIGHT | CLASSIFICATION | HEIGHT | WIDTH | DEPTH | 1 CHEST CH-161 CONTAINING:<br>1 REGR. BC-1147<br>1 CONTROL PANEL PH-31<br>1 TELEPHONE PANEL PH-32<br>1 RACK FM-61 | 37" | 28" | 29" | 400# |  | 1 CHEST CH-162 CONTAINING:<br>1 GONIOMETER MC-412<br>1 BEARING INDICATOR BC-1159 | 26" | 16" | 48" | 212# |  | 3 CRATES CONTAINING: (EACH)<br>1 SHELTER HO-20 (D/F) | 17" | 40" | 73" | 595# |  | 1 CRATE CONTAINING:<br>1 SHELTER HO-19 (POWER UNIT) | 14" | 49" | 65" | 368# |  | 3 CRATES CONTAINING: (EACH)<br>1 ANTENNA EQUIPMENT RC-223 | 21" | 22" | 112" | 390# |  | 2 POWER UNITS, KOHLER 1M-21A (EACH)<br>1 GASOLINE HEATER, EVANS HV-203000<br>OTHER ASSOCIATED EQUIPMENT INCLUDING R.F. CABLES,<br>REELS, TEST EQUIPMENT. | 35" | 15" | 37" | 497# |  | COMBINED WEIGHT OF COMPONENTS. |  |  |  | 6900# |  | COMBINED VOLUME OF COMPONENTS |  |  |  | 350 CU.FT. |  | SHIP TONNAGE: |  |  |  |  |  |
| ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DIMENSIONS                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                              | WEIGHT                                      |      | CLASSIFICATION |  |  |        |                |        |       |       |                                                                                                                   |     |     |     |      |  |                                                                                  |     |     |     |      |  |                                                      |     |     |     |      |  |                                                     |     |     |     |      |  |                                                           |     |     |      |      |  |                                                                                                                                                          |     |     |     |      |  |                                |  |  |  |       |  |                               |  |  |  |            |  |               |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | HEIGHT                                                                                                                                                                                                                                                                                                                                                                                          | WIDTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DEPTH                                                        |                                             |      |                |  |  |        |                |        |       |       |                                                                                                                   |     |     |     |      |  |                                                                                  |     |     |     |      |  |                                                      |     |     |     |      |  |                                                     |     |     |     |      |  |                                                           |     |     |      |      |  |                                                                                                                                                          |     |     |     |      |  |                                |  |  |  |       |  |                               |  |  |  |            |  |               |  |  |  |  |  |
| 1 CHEST CH-161 CONTAINING:<br>1 REGR. BC-1147<br>1 CONTROL PANEL PH-31<br>1 TELEPHONE PANEL PH-32<br>1 RACK FM-61                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 37"                                                                                                                                                                                                                                                                                                                                                                                             | 28"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 29"                                                          | 400#                                        |      |                |  |  |        |                |        |       |       |                                                                                                                   |     |     |     |      |  |                                                                                  |     |     |     |      |  |                                                      |     |     |     |      |  |                                                     |     |     |     |      |  |                                                           |     |     |      |      |  |                                                                                                                                                          |     |     |     |      |  |                                |  |  |  |       |  |                               |  |  |  |            |  |               |  |  |  |  |  |
| 1 CHEST CH-162 CONTAINING:<br>1 GONIOMETER MC-412<br>1 BEARING INDICATOR BC-1159                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 26"                                                                                                                                                                                                                                                                                                                                                                                             | 16"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 48"                                                          | 212#                                        |      |                |  |  |        |                |        |       |       |                                                                                                                   |     |     |     |      |  |                                                                                  |     |     |     |      |  |                                                      |     |     |     |      |  |                                                     |     |     |     |      |  |                                                           |     |     |      |      |  |                                                                                                                                                          |     |     |     |      |  |                                |  |  |  |       |  |                               |  |  |  |            |  |               |  |  |  |  |  |
| 3 CRATES CONTAINING: (EACH)<br>1 SHELTER HO-20 (D/F)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 17"                                                                                                                                                                                                                                                                                                                                                                                             | 40"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 73"                                                          | 595#                                        |      |                |  |  |        |                |        |       |       |                                                                                                                   |     |     |     |      |  |                                                                                  |     |     |     |      |  |                                                      |     |     |     |      |  |                                                     |     |     |     |      |  |                                                           |     |     |      |      |  |                                                                                                                                                          |     |     |     |      |  |                                |  |  |  |       |  |                               |  |  |  |            |  |               |  |  |  |  |  |
| 1 CRATE CONTAINING:<br>1 SHELTER HO-19 (POWER UNIT)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 14"                                                                                                                                                                                                                                                                                                                                                                                             | 49"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 65"                                                          | 368#                                        |      |                |  |  |        |                |        |       |       |                                                                                                                   |     |     |     |      |  |                                                                                  |     |     |     |      |  |                                                      |     |     |     |      |  |                                                     |     |     |     |      |  |                                                           |     |     |      |      |  |                                                                                                                                                          |     |     |     |      |  |                                |  |  |  |       |  |                               |  |  |  |            |  |               |  |  |  |  |  |
| 3 CRATES CONTAINING: (EACH)<br>1 ANTENNA EQUIPMENT RC-223                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 21"                                                                                                                                                                                                                                                                                                                                                                                             | 22"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 112"                                                         | 390#                                        |      |                |  |  |        |                |        |       |       |                                                                                                                   |     |     |     |      |  |                                                                                  |     |     |     |      |  |                                                      |     |     |     |      |  |                                                     |     |     |     |      |  |                                                           |     |     |      |      |  |                                                                                                                                                          |     |     |     |      |  |                                |  |  |  |       |  |                               |  |  |  |            |  |               |  |  |  |  |  |
| 2 POWER UNITS, KOHLER 1M-21A (EACH)<br>1 GASOLINE HEATER, EVANS HV-203000<br>OTHER ASSOCIATED EQUIPMENT INCLUDING R.F. CABLES,<br>REELS, TEST EQUIPMENT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 35"                                                                                                                                                                                                                                                                                                                                                                                             | 15"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 37"                                                          | 497#                                        |      |                |  |  |        |                |        |       |       |                                                                                                                   |     |     |     |      |  |                                                                                  |     |     |     |      |  |                                                      |     |     |     |      |  |                                                     |     |     |     |      |  |                                                           |     |     |      |      |  |                                                                                                                                                          |     |     |     |      |  |                                |  |  |  |       |  |                               |  |  |  |            |  |               |  |  |  |  |  |
| COMBINED WEIGHT OF COMPONENTS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                              | 6900#                                       |      |                |  |  |        |                |        |       |       |                                                                                                                   |     |     |     |      |  |                                                                                  |     |     |     |      |  |                                                      |     |     |     |      |  |                                                     |     |     |     |      |  |                                                           |     |     |      |      |  |                                                                                                                                                          |     |     |     |      |  |                                |  |  |  |       |  |                               |  |  |  |            |  |               |  |  |  |  |  |
| COMBINED VOLUME OF COMPONENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                              | 350 CU.FT.                                  |      |                |  |  |        |                |        |       |       |                                                                                                                   |     |     |     |      |  |                                                                                  |     |     |     |      |  |                                                      |     |     |     |      |  |                                                     |     |     |     |      |  |                                                           |     |     |      |      |  |                                                                                                                                                          |     |     |     |      |  |                                |  |  |  |       |  |                               |  |  |  |            |  |               |  |  |  |  |  |
| SHIP TONNAGE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                              |                                             |      |                |  |  |        |                |        |       |       |                                                                                                                   |     |     |     |      |  |                                                                                  |     |     |     |      |  |                                                      |     |     |     |      |  |                                                     |     |     |     |      |  |                                                           |     |     |      |      |  |                                                                                                                                                          |     |     |     |      |  |                                |  |  |  |       |  |                               |  |  |  |            |  |               |  |  |  |  |  |

**SCR-293**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

LIMITED STANDARD  
23 APR 43INSTRUCTIONAL LITERATURE:  
IB - STOCK # 608293**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: )

FREQUENCY RANGE: (MC) 20.0 - 27.9  
 NUMBER OF CRYSTALS: 5 IN RECVR. 5 IN TRANS.  
 PRESET FREQUENCIES: 5  
 ANTENNA: 9' FISHPOLE AN-42-A TYPE TO BE MOUNTED  
 ON TURRET (WITH 2' EXTENSION FOR LOWER FREQ).  
 TUNING: (MO OR XTAL) XTAL  
 SENSITIVITY: SELECTIVITY:  
 POWER SOURCE: 12 OR 24 V - VEHICULAR BATTERY.  
 SIMILAR SETS: SCR-508  
 POWER OUTPUT: (WATTS) HIGH POWER-25 WATTS.  
 LOW POWER-1/2 WATT  
 TUBES: (TYPE AND NUMBER) SCR-293-A USES:  
 4 6AC7 4 12K8  
 5 12A6 4 12H6  
 7 12SJ7 2 12SA7  
 1 1625 2 12SL7GT

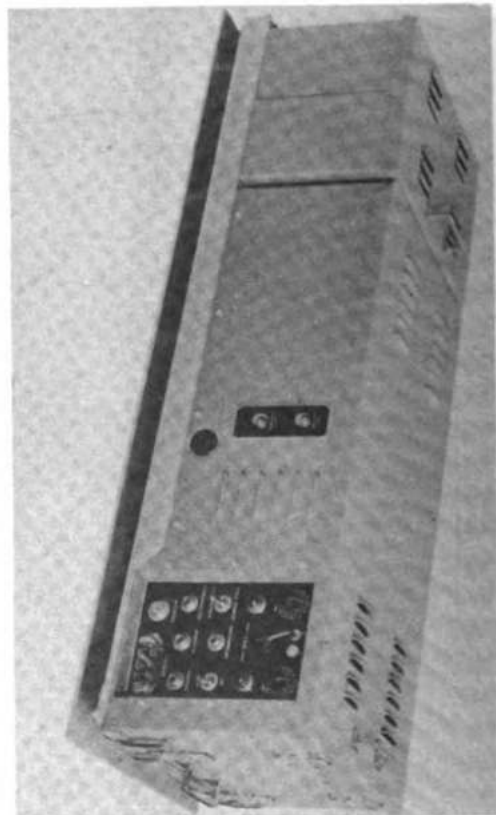
**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: )

USE: AF: IN TANK UNITS UP TO BNS.  
 RANGE: (MILES) 5 MOVING; 7 STATIONARY.  
 TO COMMUNICATE WITH: SCR-293; SCR-294; SCR-508;  
 SCR-509; SCR-510; SCR-528; SCR-538.  
 TO REPLACE IN PART: SCR-193; SCR-245.  
 TRANSPORTATION: TANK  
 TYPE OF SIGNAL: VOICE (FM)

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

| ITEM                                                                                                                  | DIMENSIONS  |       |       | WEIGHT | CLASSIFICATION |
|-----------------------------------------------------------------------------------------------------------------------|-------------|-------|-------|--------|----------------|
|                                                                                                                       | HEIGHT      | WIDTH | DEPTH |        |                |
| LINK TRANS., RECVR. TYPE, 25 UFX, AND SEPARATE<br>RECVR. TYPE, 11 TKR. RADIO RECVR. & TRANS.<br>BC-500 RECVR. BC-499. | 12"x14"x34" |       |       | 115#   | UNCLASSIFIED   |
|                                                                                                                       |             |       |       |        |                |
| COMBINED WEIGHT OF COMPONENTS:                                                                                        |             |       |       |        |                |
| COMBINED VOLUME:                                                                                                      |             |       |       |        |                |
| SHIP TONNAGE:                                                                                                         |             |       |       |        |                |

RADIO RECEIVER AND TRANSMITTER BC-500  
 PART OF RADIO SET SCR-293  
 SHORT RANGE, VEHICULAR FM TRANSMITTER AND RECEIVER  
 REPLACED BY SCR-508. USES THROAT MICROPHONE.



|                           |                      |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                             |                                                                                                                                                                                                                                                                                                   |
|---------------------------|----------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INSTRUCTIONAL LITERATURE: | STATUS:              | LIMITED STANDARD<br>23 Apr 43 | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                     | NOMENCLATURE<br>DESIGNATION: <b>SCR-294</b> |                                                                                                                                                                                                                                                                                                   |
|                           | CHANGE IN<br>STATUS: |                               | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )<br>FREQUENCY RANGE: (MO) 20.0 - 27.9 (RECEIVER ONLY)<br>NUMBER OF CRYSTALS: 5 (RECVR.)<br>PRESET FREQUENCIES: 5<br>ANTENNA: 9' FISHPOLE (AN-42-A)<br>TUNING: (MO OR XTAL)<br>SENSITIVITY: SELECTIVITY:<br>POWER SOURCE: 12 OR 24 V CAR BATTERY.<br>SIMILAR SETS: SCR-538<br>POWER OUTPUT: (WATTS)<br>TUBES: (TYPE AND NUMBER) SCR-294-A USES:<br>2 12K8       2 6AC7<br>2 12SJ7     2 12A6<br>1 12SL7GT   2 12H6 |                                             | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )<br>USE: AF: IN TANKS AND VEHICLES.<br>RANGE: (MILES)<br>TO COMMUNICATE WITH: SCR-293; SCR-508; SCR-509;<br>SCR-510; SCR-528;<br>TO REPLACE IN PART: SCR-210<br>TRANSPORTATION: TANKS AND VEHICLES.<br>TYPE OF SIGNAL: FM RECEIVER. |

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

| PART C - PRINCIPAL COMPONENTS<br>(CLASSIFICATION: RESTRICTED ) |            |         |       |            |                |
|----------------------------------------------------------------|------------|---------|-------|------------|----------------|
| ITEM                                                           | DIMENSIONS |         |       | WEIGHT     | CLASSIFICATION |
|                                                                | HEIGHT     | WIDTH   | DEPTH |            |                |
| RADIO RECVR. BC-499                                            | 14"        | 14 1/2" | 34"   | 56#        | UNCLASSIFIED   |
| COMBINED WEIGHT OF COMPONENTS:                                 |            |         |       | 56#        |                |
| COMBINED VOLUME:                                               |            |         |       | 0.6 CU.FT. |                |
| SHIP TONNAGE:                                                  |            |         |       |            |                |

**SCR-298**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
21 Nov 43INSTRUCTIONAL LITERATURE:  
IB - Stock # 60 8295**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: )

FREQUENCY RANGE: (Mc) 30 - 40  
 NUMBER OF CRYSTALS: 1  
 PRESET FREQUENCIES: 1 (NO SELECTION)  
 ANTENNA: WHIP  
 TUNING: (MO OR XTAL) XTAL  
 SENSITIVITY: SELECTIVITY:  
 POWER SOURCE: 6 V VEHICULAR BATTERY.  
 SIMILAR SETS: SCR-295  
 POWER OUTPUT: (WATTS) 25

TUBES: (TYPE AND NUMBER) EARLY MODEL USES:  
 1 EARLY LINK 11-UF MODEL REGR. - 2 6K8; 1 608G;  
 2 6AC7/1852; 2 6SJ7; 2 6H6; 1 6V6; 1 6K6GT.  
 1 EARLY LINK 25 UFM MODEL TRANS. - 4 7C7;  
 2 7A8; 1 7C5; 1 807.  
 NOTE: INFORMATION AVAILABLE STATES-SCR-298 LATE  
 MODEL USES: 1 35UFM (ED 2 OR 3); 1 11UF (ED 3).

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

USE: USED BY JUMPIRE PERSONNEL.

RANGE: (MILES) STATIONARY-10; MOVING-7.

TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610;  
SCR-628; SCR-808; SCR-828.

TO REPLACE IN PART:

TRANSPORTATION: VEHICLE

TYPE OF SIGNAL: VOICE (FM)

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

TRANS. 25-UFM

9 "

17 "

8 1/4"

29 #

REGR. 11-UF

9 "

13 "

7 1/2"

17 1/2#

POWER UNIT VPA-3A

8 1/2"

4 1/4"

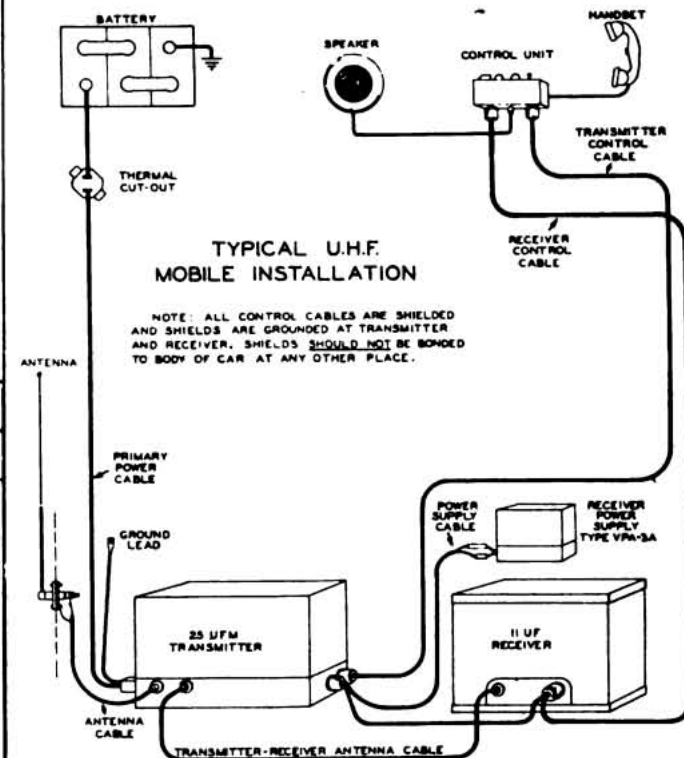
5 "

7 1/4#

COMBINED WEIGHT OF COMPONENTS:

COMBINED VOLUME:

SHIP TONNAGE:



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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------------------------------------------------------------------------|
| <b>INSTRUCTIONAL LITERATURE:</b><br>SCR-299-A, B - TM 11-280-B<br>SCR-299-C - 1B Stook No.<br>SCR-299-D - 1B Stook No.<br>SCR-299-E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>STATUS:</b><br><br><b>CHANGE IN STATUS:</b> | <b>LIMITED STANDARD</b><br>16 JUL 43  | <b>NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NOMENCLATURE DESIGNATION:</b><br><br><div style="text-align: right; font-size: 2em; font-weight: bold;">SCR-299</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |                                                                                              |
|  <p style="position: absolute; top: 440px; left: 290px; border: 1px solid black; padding: 2px;">RADIO SET SCR-299<br/>INSTALLED IN TRUCK K-51.</p> <p style="position: absolute; top: 280px; left: 350px; transform: rotate(-90deg); font-size: 0.8em;">RADIO SET SCR-299-(A,B,C, &amp; D) ISSUED WITH TRUCK K-51 AND TRAILER K-52 AS INTERNAL PARTS. SCR-399 AND SCR-499 ISSUED WITH SHELTER HO-17 AS A COMPONENT PART. 2 1/2 TON 6X6 CARGO TRUCK WILL BE FURNISHED BY ORDNANCE BUT IS NOT A PART OF THE SET. MAJOR COMPONENTS IN CHEST. PACKAGED FOR AIR TRANSPORT (SPECIAL D MODEL). SEE SCR-399 AND SCR-499.</p> |                                                |                                       | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION )<br><br>FREQUENCY RANGE: (MC) TRANS: 2 - 8.0<br>RECV: 1.5 - 18.0<br>NUMBER OF CRYSTALS: 36 FURNISHED.<br>PRESET FREQUENCIES: 3<br>ANTENNA: WHIP OR LONG WIRE.<br>TUNING: (MO OR XTAL) BOTH<br>SENSITIVITY: SELECTIVITY:<br>POWER SOURCE: COMMERCIAL 110V AC OR 95.<br>SIMILAR SETS: SCR-399; SCR-499.<br>POWER OUTPUT: (WATTS) 400 CW; 300 VOICE.<br><br>TUBES: (TYPE AND NUMBER) SCR-299-A USES:<br>1 BC-312 - 2 6C5; 1 6F6; 4 6K7; 1 6L7; 1 6R7;<br>1 BC-342 - 2 6C5; 1 6F6; 4 6K7; 1 6L7; 1 6R7;<br>1 5W4. 1 BC-614-B - 3 6SN7GT; 1 6SR7; 1 6S47;<br>1 6J5; 1 80. 1 BC-610-B - 1 6V6; 1 6L6; 2 807;<br>1 250; 2 100; 2 2A3; 2 5Z3; 2 866A; 3 VR150-30. | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION )<br><br>USE: SIGNAL CORPS, AIRFORCE, FIELD ARTILLERY, CAVALRY, INFANTRY. COMPONENTS INSTALLED IN VEHICLES.<br><br>RANGE: (MILES) 250-CW; 100-VOICE.<br>TO COMMUNICATE WITH: SCR-177; SCR-183; SCR-187; SCR-193; SCR-197; SCR-209; SCR-237; SCR-238; SCR-245; SCR-274-N; SCR-283; SCR-284; SCR-285; SCR-287; SCR-288; SCR-506; SCR-511; SCR-536; SCR-543; SCR-583.<br>TO REPLACE IN PART: SCR-197<br>TRANSPORTATION: POWER UNITS PE-95 IN 1 TON TRAILER. SHELTER HO-17 WITH COMPONENTS INSTALLED MOUNTS ON 2 1/2 TON, 6X6 CARGO TRUCK (TRUCK NOT PART OF SET) (LONG WHEELBASE).<br>TYPE OF SIGNAL: CW; VOICE (AM) |        |                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                |                                       | <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION RESTRICTED )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                                                                              |
| ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                | DIMENSIONS                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WEIGHT | CLASSIFICATION                                                                               |
| TRANS. BC-610<br>RECV. BC-312 & BC-342<br>SPEECH AMPLIFIER BC-614-A, B, C, D.<br>ANT. TUNING UNIT BC-729<br>POWER UNIT PE-95<br>TRUCK K-51<br>TRAILER K-52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                | HEIGHT                                | WIDTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DEPTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        | UNCLASSIFIED<br>UNCLASSIFIED<br>UNCLASSIFIED<br>UNCLASSIFIED<br>UNCLASSIFIED<br>UNCLASSIFIED |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                | (RADIO COMPONENTS ONLY) 1000# APPROX. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                                                                              |
| COMBINED VOLUME:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                                                                              |
| SHIP TONNAGE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                                                                              |

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

# SCR-300

NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
27 Oct 42

INSTRUCTIONAL LITERATURE:

TM 11-242

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

FREQUENCY RANGE: (MO) 40.0 - 48.0

NUMBER OF CRYSTALS: 2

PRESET FREQUENCIES: NONE

ANTENNA: FISHPOLE TYPE.

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: LIGHT OR HEAVY DUTY (FOR LONGER OPERATIONAL HOURS) PLUS-IN TYPE DRY CELL BATTERY CONTAINING THE VOLTAGES FOR ALL TUBE ELEMENTS IN ONE UNIT.

SIMILAR SETS: SCR-194 and SCR-195

POWER OUTPUT: (WATTS) APPROXIMATELY 1

TUBES: (TYPE AND NUMBER) VHF PORTABLE. 1 BC-1000 USES:

|           |           |
|-----------|-----------|
| 1 - 1-R-5 | 1 - 1-A-3 |
| 3 - 1-S-5 | 2 - 1-L-4 |
| 6 - 1-T-4 | 2 - 3-A-4 |

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

USE: INFANTRY, FIELD ARTILLERY, COAST ARTILLERY, ADVANCED FIELD ARTILLERY, COAST ARTILLERY AND INFANTRY UNITS.

RANGE: (MILES) 3 TO 5.

TO COMMUNICATE WITH: SCR-300 ONLY.

TO REPLACE IN PART: SCR-194 and SCR-195.

TRANSPORTATION: MAN-PAK.

TYPE OF SIGNAL: FM - VOICE.

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

RECEIVER AND TRANSMITTER BC-1000

BATTERY BA-70

BATTERY BA-80

ANTENNA AN-130

ANTENNA AN-131

15"

10"

6"

17#

15#

10#

COMBINED WEIGHT OF COMPONENTS:

COMBINED VOLUME OF COMPONENTS:

SHIP TONNAGE:

1200

CU. FT.

RADIO SET SCR-300 IS A SMALL PORTABLE SET FOR USE BY ADVANCED FIELD ARTILLERY AND INFANTRY UNITS. CAPABLE OF BEING MOUNTED. FREQUENCY MODULATED.

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



INSTRUCTIONAL LITERATURE:  
TM 11-281

STATUS:

STANDARD  
8 JUN 43NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.NOMENCLATURE  
DESIGNATION:

SCR-399

CHANGE IN  
STATUS:PART A - TECHNICAL CHARACTERISTICS  
(CLASSIFICATION: )FREQUENCY RANGE: (MC) TRANS. 2.0 - 18.0  
RECV. 1.5 - 18.0

NUMBER OF CRYSTALS: 36

PRESET FREQUENCIES: 3

ANTENNA: WHIP OR LONG WIRE

TUNING: (MC OR XTAL) BOTH

SENSITIVITY: SELECTIVITY:

POWER SOURCE: A.C. 110 VOLTS, 60 CYCLE, SINGLE  
PHASE; POWER UNIT PE-95.

SIMILAR SETS: SCR-299-A, B, C, D

POWER OUTPUT: (WATTS) 400 CW, 300 VOICE (2-8 MC);  
300 CW, 250 VOICE (8-12 MC); 275 CW, 200 VOICE  
(12-18 MC).TUBES: (TYPE AND NUMBER) 1 BC-312; 2 6C5, 1 6F6, 4 6K7,  
1 6L7, 1 6R7, 1 BC-342; 2 6C5, 1 6F6, 4 6K7, 1 6L7, 1 6R7,  
1 5W4, 1 BC-614-B; 3 6SN7GT, 1 6SR7, 1 6SQ7, 1 6J5, 1 80,  
1 BC-610-B; 1 6V6, 2 100, 1 6L6, 2 2A3, 2 807, 2 5Z3,  
1 250 2 866A, 3 VR-150-30.PART B - TACTICAL CHARACTERISTICS  
(CLASSIFICATION: )

USE: SIG C; AG; AF; FA; CAV; INF.

RANGE: (MILES) 250 CW; 100 VOICE.

TO COMMUNICATE WITH: SCR-177; SCR-183; SCR-187;  
SCR-193; SCR-197; SCR-209; SCR-237; SCR-238;  
SCR-245; SCR-274-N; SCR-283; SCR-284; SCR-285;  
SCR-287; SCR-288; SCR-506; SCR-511; SCR-536;  
SCR-543; SCR-583.

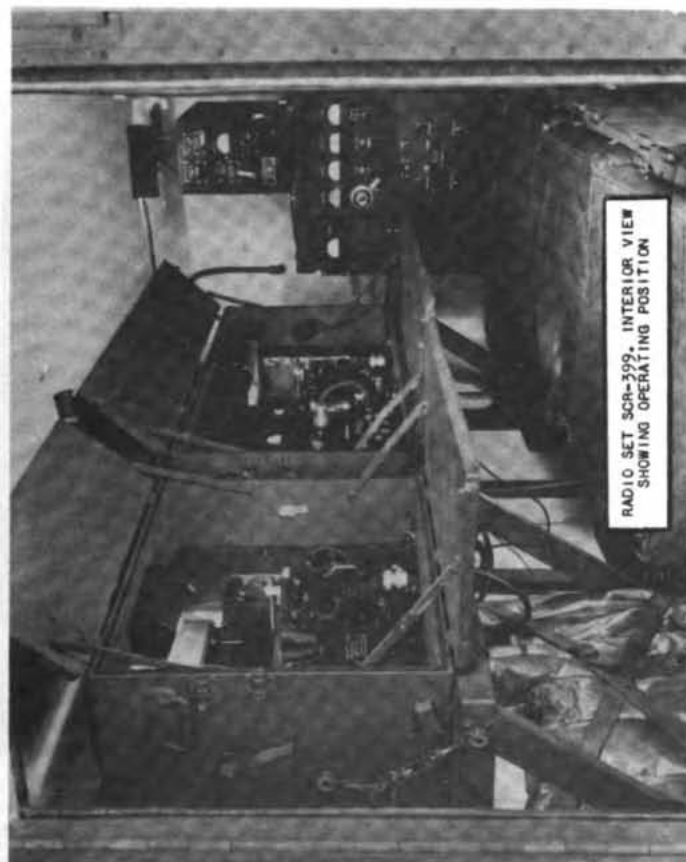
TO REPLACE IN PART: SCR-197; SCR-299.

TRANSPORTATION: POWER UNIT PE-95 IN 1 TON TRAILER.  
SHELTER HQ-17 WITH COMPONENTS INSTALLED MOUNTS  
ON 2 1/2 TON, 6X6 CARGO TRUCK.

TYPE OF SIGNAL: CW, VOICE (AM)

PART C - PRINCIPAL COMPONENTS  
(CLASSIFICATION: )

| ITEM                                                   | DIMENSIONS |       |       | WEIGHT | CLASSIFICATION |
|--------------------------------------------------------|------------|-------|-------|--------|----------------|
|                                                        | HEIGHT     | WIDTH | DEPTH |        |                |
| TRANS. BC-610                                          |            |       |       |        |                |
| RECEIVERS BC-312 & BC-342                              |            |       |       |        |                |
| SPEECH AMPLIFIER BC-614-E                              |            |       |       |        |                |
| ANTENNA TUNING UNIT BC-939                             |            |       |       |        |                |
| TRAILER K-52 (POWER UNIT) INCLUDES POWER UNIT<br>PE-95 |            |       |       |        |                |
| JUNCTION BOX JB-70                                     |            |       |       |        |                |
| SHELTER HQ-17                                          |            |       |       |        |                |
| COMBINED WEIGHT OF COMPONENTS:                         |            |       |       |        |                |
| COMBINED VOLUME OF COMPONENTS:                         |            |       |       |        |                |
| SHIP TONNAGE:                                          |            |       |       |        |                |

RADIO SET SCR-399, INTERIOR VIEW  
SHOWING OPERATING POSITION

## SCR-499

NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
8 JUN 43INSTRUCTIONAL LITERATURE:  
TM 11-281PART A - TECHNICAL CHARACTERISTICS  
(CLASSIFICATION: )FREQUENCY RANGE: (MC) TRANS. 2.0 - 18.0  
RECV. 1.5 - 18.0

NUMBER OF CRYSTALS: 36

PRESET FREQUENCIES: 3

ANTENNA: WHIP OR LONG WIRE

TUNING: (MO OR XTAL) BOTH

SENSITIVITY: SELECTIVITY:

POWER SOURCE: AC 110 VOLTS, 60 CYCLES, SINGLE  
PHASE OR PE-95.SIMILAR SETS: SCR-177-B; SCR-188-A; SCR-399 WITH-  
OUT SHELTER HO-17 AND WITHOUT 1-TON 2X0 TRAILER.POWER OUTPUT: (WATTS) 400 CW, 300 VOICE (2-8mc); 300 CW,  
250 VOICE (8-12mc); 275 CW, 200 VOICE (12-18 mc).TUBES: (TYPE AND NUMBER) 1 BC-312; 2 6CS, 1 6F6, 4 6KT, 1 6LT,  
1 6RT, 1 BC-342; 2 6CS, 1 6F6, 4 6KT, 1 6LT, 1 6RT, 1 5H4,  
1 BC-314-B; 3 6SRGT, 1 6SRGT, 1 6SQT, 1 6JS, 1 80, 1 BC-610-B,  
1 6H6, 1 6L6, 2 6OT, 1 250, 2 100, 2 2A3, 2 5Z3 2 866A  
3 W-150-30.PART B - TACTICAL CHARACTERISTICS  
(CLASSIFICATION: )USE: SIG C, AC, AF, FA, CAV, INF. COMPONENTS  
INSTALLED IN VEHICLES.

RANGE: (MILES) 250 CW; 100 VOICE.

TO COMMUNICATE WITH: SCR-177; SCR-183; SCR-187;  
SCR-193; SCR-197; SCR-209; SCR-237; SCR-258;  
SCR-265; SCR-274-N; SCR-283; SCR-284; SCR-285;  
SCR-287; SCR-288; SCR-506; SCR-511; SCR-536;  
SCR-543; SCR-583.

TO REPLACE IN PART: SCR-299.

TRANSPORTATION: COMPONENTS PACKED FOR AIRBORNE  
SHIPMENT. (NO SHELTER OR TRAILER PROVIDED)

TYPE OF SIGNAL: CW; VOICE (AM)

CHANGE IN  
STATUS:RADIO SET SCR-499 INCLUDES RADIO COMPONENTS OF RADIO SET SCR-399 PACKED  
FOR AIRBORNE SHIPMENT. DOES NOT INCLUDE SHELTER HO-17 AND TRAILER, K-52  
FOR POWER UNIT. ABOVE PHOTOGRAPH SHOWS COMPONENTS IN SHELTER HO-17.PART C - PRINCIPAL COMPONENTS  
(CLASSIFICATION: )

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

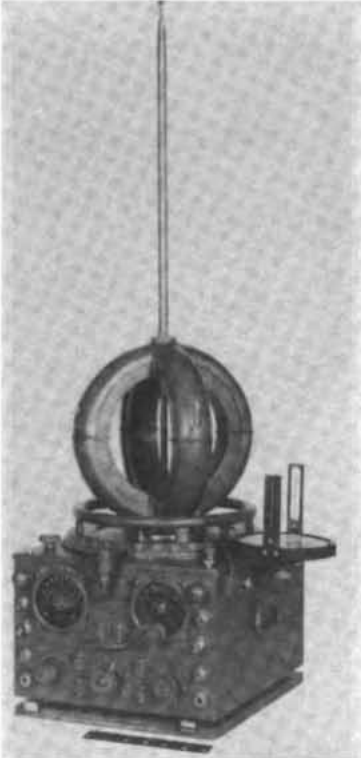
CLASSIFICATION

TRANS. BC-610  
RECVRS. BC-312, BC-342  
SPEECH AMPLIFIER BC-614-E  
ANT. TUNING UNIT BC-939  
POWER UNIT PE-95  
JUNCTION BOX JB-70

COMBINED WEIGHT OF COMPONENTS

COMBINED VOLUME OF COMPONENTS

SHIP TONNAGE:

|                                                                                    |                      |                                  |                                                                                                                                                                                                                                                                                                                                                  |                              |                                                                                                                                                                                                                                                            |                                                                |                |
|------------------------------------------------------------------------------------|----------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------|
| INSTRUCTIONAL LITERATURE:                                                          | STATUS:              | SUBSTITUTE STANDARD<br>11 JUN 42 | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                     | NOMENCLATURE<br>DESIGNATION: | <b>SCR-503</b>                                                                                                                                                                                                                                             |                                                                |                |
|                                                                                    | CHANGE IN<br>STATUS: |                                  | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )                                                                                                                                                                                                                                                                                  |                              |                                                                                                                                                                                                                                                            | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: ) |                |
|  |                      |                                  | FREQUENCY RANGE: (MC) .1 - 3.0<br>NUMBER OF CRYSTALS: NONE<br>PRESET FREQUENCIES: NONE<br>ANTENNA: CROSSED LOOPS<br>TUNING: (MO OR XTAL) DOES NOT APPLY<br>SENSITIVITY: 5 - 25 MICROVOLTS/METER<br>SELECTIVITY:<br>POWER SOURCE: 12V STORAGE BATTERY<br>SIMILAR SET: SCR-206<br>POWER OUTPUT: (WATTS) DOES NOT APPLY<br>TUBES: (TYPE AND NUMBER) |                              | USE: A PORTABLE DIRECTION FINDER FOR FIELD USE<br>IN LOCATING ENEMY TRANSMITTERS.<br><br>RANGE: SHORT<br><br>TO COMMUNICATE WITH: DOES NOT APPLY.<br><br>TO REPLACE IN PART: SCR-206<br><br>TRANSPORTATION: PORTABLE<br><br>TYPE OF SIGNAL: DOES NOT APPLY |                                                                |                |
|                                                                                    |                      |                                  | LOW FREQ. UNITS:      HIGH FREQ. UNITS:<br>2 VT-161                      1 VT-107<br>6 VT-209                      1 VT-153<br>1 VT-155                      2 VT-161<br>2 VT-162                      2 VT-162<br>1 VT-134                      4 VT-209                                                                                        |                              |                                                                                                                                                                                                                                                            |                                                                |                |
| <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION: )                         |                      |                                  |                                                                                                                                                                                                                                                                                                                                                  |                              |                                                                                                                                                                                                                                                            |                                                                |                |
| ITEM                                                                               |                      |                                  | DIMENSIONS                                                                                                                                                                                                                                                                                                                                       |                              |                                                                                                                                                                                                                                                            | WEIGHT                                                         | CLASSIFICATION |
|                                                                                    |                      |                                  | HEIGHT                                                                                                                                                                                                                                                                                                                                           | WIDTH                        | DEPTH                                                                                                                                                                                                                                                      |                                                                |                |
| AZIMUTH SCALE M-333                                                                |                      |                                  | 10"                                                                                                                                                                                                                                                                                                                                              | 10"                          | 3"                                                                                                                                                                                                                                                         | 6.5#                                                           |                |
| LOOP LP-23                                                                         |                      |                                  | 10"                                                                                                                                                                                                                                                                                                                                              | 10"                          | 3"                                                                                                                                                                                                                                                         | 6.0#                                                           |                |
| LOOP LP-33                                                                         |                      |                                  | 8"                                                                                                                                                                                                                                                                                                                                               | 12"                          | 1 1/2"                                                                                                                                                                                                                                                     | 38.5#                                                          |                |
| RECEIVER BC-1003                                                                   |                      |                                  | 8"                                                                                                                                                                                                                                                                                                                                               | 12"                          | 1 1/2"                                                                                                                                                                                                                                                     | 36.5#                                                          |                |
| RECEIVER BC-973                                                                    |                      |                                  | 10-5/16"                                                                                                                                                                                                                                                                                                                                         | 13"                          | 7-1/8"                                                                                                                                                                                                                                                     | 63.5#                                                          |                |
| BATTERY, STORAGE 12V                                                               |                      |                                  | 29"                                                                                                                                                                                                                                                                                                                                              | 5-1/2"                       | 5-1/2"                                                                                                                                                                                                                                                     | 9 #                                                            |                |
| TRIPOD LG-15                                                                       |                      |                                  | 7-3/8"                                                                                                                                                                                                                                                                                                                                           | 6-5/8"                       | 4-3/16"                                                                                                                                                                                                                                                    | 9#                                                             |                |
| DYNAMOTOR PE-133                                                                   |                      |                                  | 23-7/8"                                                                                                                                                                                                                                                                                                                                          | 27-7/8"                      | 9"                                                                                                                                                                                                                                                         | 33#                                                            |                |
| BATTERY CHEST CM-113                                                               |                      |                                  |                                                                                                                                                                                                                                                                                                                                                  |                              |                                                                                                                                                                                                                                                            |                                                                |                |
| COMBINED WEIGHT OF COMPONENTS: INCLUDING BRACKETS, CHESTS, CORDS, ETC.             |                      |                                  |                                                                                                                                                                                                                                                                                                                                                  |                              |                                                                                                                                                                                                                                                            | 157.5#                                                         |                |
| COMBINED VOLUME OF COMPONENTS:                                                     |                      |                                  |                                                                                                                                                                                                                                                                                                                                                  |                              |                                                                                                                                                                                                                                                            | 4.3 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 18 MC.

**SCR-504**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

INSTRUCTIONAL LITERATURE:

TM 11-862 (FOR SCR-504-A)

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

FREQUENCY RANGE: (Mc) .1 - 65

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: NONE

ANTENNA: LOOP

TUNING: (MO OR XTAL) DOES NOT APPLY

SENSITIVITY: 50 - 200 MICROVOLTS/METER

SELECTIVITY:

POWER SOURCE: MINIATURE STORAGE BATTERY  
(BB-51, BB-52)

SIMILAR SETS: NONE

POWER OUTPUT: (WATTS)

TUBES: (TYPE AND NUMBER)  
1 1LB4 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

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

RADIO RECEIVER BC-792

BATTERY CHARGER PE-128

HEADSET HS-34

6"

18"

13"

25#

9 3/4"

12"

8"

16#

----

----

-----

1 oz.

COMBINED WEIGHT OF COMPONENTS:

55#

COMBINED VOLUME OF COMPONENTS:

SHIP TONNAGE:



RADIO SET SCR-504

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

## INSTRUCTIONAL LITERATURE:

TM 11-630

## STATUS:

STANDARD  
19 Dec 41NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.NOMENCLATURE  
DESIGNATION:

SCR-506

CHANGE IN  
STATUS:PART A - TECHNICAL CHARACTERISTICS  
(CLASSIFICATION: )

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

NUMBER OF CRYSTALS: 1 (XTAL CALIBRATOR)

PRESET FREQUENCIES: 4

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

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

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

SIMILAR SETS:

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

TUBES: (TYPE AND NUMBER) SCR-506 USES: 1-BC-  
652-A; 2-6 SC 7; 2-12 SK 7; 2-12 K 8; 1-12 SR 7;  
1-12 C 8; 1-6 K 8; 1-6 Y 6 G; 1-12 SO 7;  
1-DC-653-A; 1-807; 2-814; 2-1613; 2-VR-105-30.NOTE: 506-A ALSO LISTED; HAS 18 TUBES, ALSO  
IDENTICAL WITH SCR-506 SHOWN ABOVE.PART B - TACTICAL CHARACTERISTICS  
(CLASSIFICATION: )USE: TD; ARMO F; CAV; ENGRS; FA; SIG C; USED IN  
LIGHT TANK M-3 & IN OTHER ARMORED VEHICLES.

RANGE: (MILES) 70 CW; 25 VOICE.

TO COMMUNICATE WITH: SCR-131; SCR-171; SCR-187;  
SCR-193; SCR-203; SCR-209; SCR-210; SCR-238;  
SCR-245; SCR-259; SCR-287.

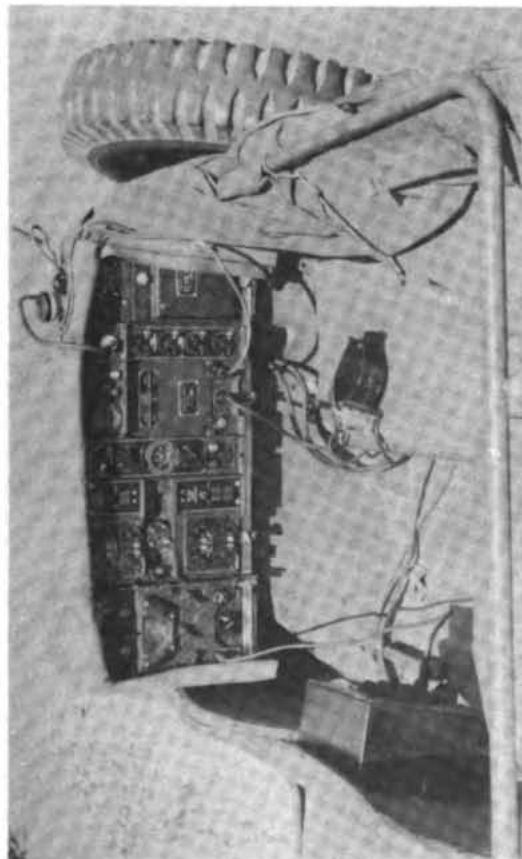
TO REPLACE IN PART: SCR-193-IN AF

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

TYPE OF SIGNAL: CW; VOICE (AM)

PART C - PRINCIPAL COMPONENTS  
(CLASSIFICATION: RESTRICTED)

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

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

# SCR-508

NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

INSTRUCTIONAL LITERATURE:

TM 11-600

PART A - TECHNICAL CHARACTERISTICS  
(CLASSIFICATION: )

FREQUENCY RANGE: (MC) 20.0 TO 27.9  
 NUMBER OF CRYSTALS: 80  
 PRESET FREQUENCIES: 10 (PUSH BUTTON SELECTION).  
 ANTENNA: 9 FT. FISHPOLE  
 TUNING: (MO OR XTAL) XTAL  
 SENSITIVITY: SELECTIVITY:  
 POWER SOURCE: 12 OR 24 VOLT BATTERY.  
 SIMILAR SETS: SCR-608 EXCEPT FREQUENCY.  
 POWER OUTPUT: (WATTS) 25 100% MODULATION.  
 TUBES: (TYPE AND NUMBER) BC-603-C RECEIVER 1 TUBE  
 TYPE 6 H 6; 1 TUBE TYPE 6 J 5; 1 TUBE TYPE  
 6 V 6 GT; 3 TUBES TYPE 6 A C 7; 2 TUBES TYPE  
 12 SG 7; 2 TUBES TYPE 6 SL 7 GT. BC-604-C TRANS-  
 MITTER 7 TYPE 1619 TUBES; 1 TYPE 1624 TUBES.

PART B - TACTICAL CHARACTERISTICS  
(CLASSIFICATION: )

USE: ARMORED FORCE, FIELD ARTILLERY. INSTAL-  
 LATION IN COMMAND TANKS AND VEHICLES OF  
 AF, GHQ., CORPS AND DIVISIONS WHERE IT  
 IS NECESSARY TO MONITOR 2 FREQUENCIES  
 SIMULTANEOUSLY.  
 RANGE: (MILES) 7 IN MOTION.  
 TO COMMUNICATE WITH: SCR-293; SCR-294; SCR-508;  
 SCR-509; SCR-510; SCR-528; SCR-538.  
 TO REPLACE IN PART: SCR-193; SCR-245; SCR-293.  
 TRANSPORTATION: VEHICLE.  
 TYPE OF SIGNAL: Voice; FM.

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

ITEM

## DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

TRANSMITTER BC-604  
 RECEIVER (2) BC-603  
 MOUNTING BASE FT-237  
 VEHICLE ANTENNA

67#

70# (35# EA)

44#

----

COMBINED WEIGHT OF COMPONENTS:

181#

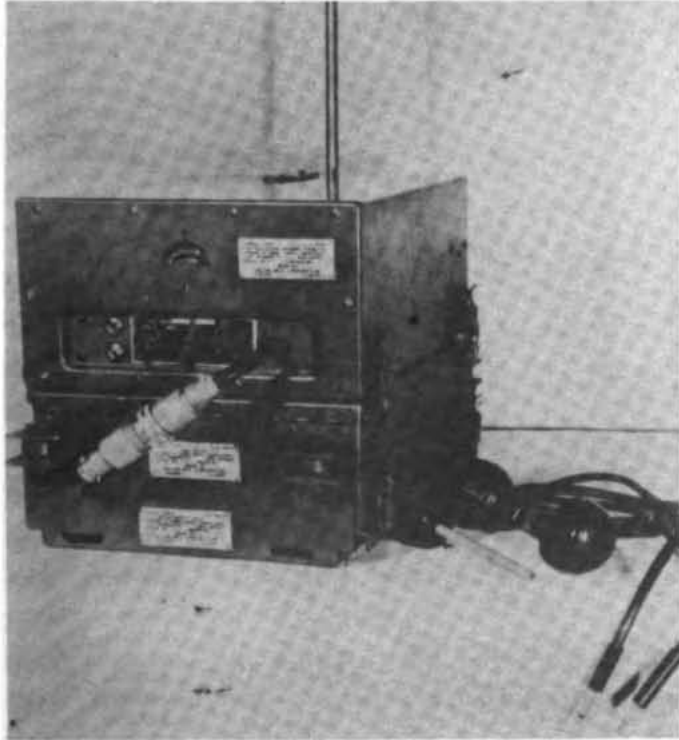
COMBINED VOLUME OF COMPONENTS:

SHIP TONNAGE:

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

SCR-508 1 TRANSMITTER; 2 RECEIVERS  
 SCR-528 1 TRANSMITTER; 1 RECEIVER  
 SCR-538 1 RECEIVER



| INSTRUCTIONAL LITERATURE:<br><br>TM 11-605                                                                                 | STATUS: | STANDARD<br>14 Jul 41 | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NOMENCLATURE<br>DESIGNATION: <b>SCR-509</b>                                                                                                                                                                                                                                                                                                                                                                                                                         |       |       |            |                |  |        |                |        |       |       |                                      |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------|---------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|------------|----------------|--|--------|----------------|--------|-------|-------|--------------------------------------|--|--|--|--|--|--------------------------------|--|--|--|--|--|--------------------------------|--|--|--|--|--|
|                                           |         |                       | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )<br><br>FREQUENCY RANGE: (Mc) 20.0 - 27.9<br>NUMBER OF CRYSTALS: 80<br>PRESET FREQUENCIES: 2<br>ANTENNA: 8 FT. FISHPOLE (ANT. AN-45)<br>TUNING: (MO OR XTAL) XTAL<br>SENSITIVITY: SELECTIVITY:<br>POWER SOURCE: DRY BATTERIES BA-39; BA-40; BA-41.<br>SIMILAR SETS: SCR-510.<br>POWER OUTPUT: (WATTS) 1.8 100% MODULATION.<br>TUBES: (TYPE AND NUMBER) SCR-509-A USES:<br>1 6C-620-A - 4 1LN5; 1 1LC6; 4 1299; 1 1294;<br>1 1L4; 2 1291.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )<br><br>USE: <u>ARMED FORCE</u> : TR BN; ARMED RES; INF RES;<br>SHORT RANGE RECONNAISSANCE AND SIMILAR<br>MISSIONS.<br><br>RANGE: (MILES) 5 ON GROUND.<br><br>TO COMMUNICATE WITH: SCR-293; SCR-294; SCR-508;<br>SCR-509; SCR-510; SCR-528; SCR-558.<br>TO REPLACE IN PART: SCR-195 WITHIN THE ARMORED<br>FORCE.<br>TRANSPORTATION: MAN ON FOOT OR IN ANY VEHICLE.<br><br>TYPE OF SIGNAL: VOICE; (FM) |       |       |            |                |  |        |                |        |       |       |                                      |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |
|                                                                                                                            |         |                       | <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION: )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |       |            |                |  |        |                |        |       |       |                                      |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |
| RADIO SET SCR-509 SET UP FOR OPERATION<br><br>RADIO SET SCR-509 IS A LIGHT WEIGHT, SHORT RANGE<br>FREQUENCY MODULATED SET. |         |                       | <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 &amp; TRANSMITTER BC-620.</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>COMBINED VOLUME OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       | ITEM  | DIMENSIONS |                |  | WEIGHT | CLASSIFICATION | HEIGHT | WIDTH | DEPTH | RADIO RECEIVER & TRANSMITTER BC-620. |  |  |  |  |  | COMBINED WEIGHT OF COMPONENTS: |  |  |  |  |  | COMBINED VOLUME OF COMPONENTS: |  |  |  |  |  |
|                                                                                                                            |         |                       | ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DIMENSIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |       | WEIGHT     | CLASSIFICATION |  |        |                |        |       |       |                                      |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |
|                                                                                                                            |         |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | HEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                              | WIDTH | DEPTH |            |                |  |        |                |        |       |       |                                      |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |
|                                                                                                                            |         |                       | RADIO RECEIVER & TRANSMITTER BC-620.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |       |            |                |  |        |                |        |       |       |                                      |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |
| COMBINED WEIGHT OF COMPONENTS:                                                                                             |         |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |       |            |                |  |        |                |        |       |       |                                      |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |
| COMBINED VOLUME OF COMPONENTS:                                                                                             |         |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |       |            |                |  |        |                |        |       |       |                                      |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |
| SHIP TONNAGE:                                                                                                              |         |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |       |            |                |  |        |                |        |       |       |                                      |  |  |  |  |  |                                |  |  |  |  |  |                                |  |  |  |  |  |

**SCR-510**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
15 Jul 41

INSTRUCTIONAL LITERATURE:

TM 11-605

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

FREQUENCY RANGE: (Mc) 20.0 - 27.9

NUMBER OF CRYSTALS: 80

PRESET FREQUENCIES: 2

ANTENNA: 8 FT. TELESCOPIIC MAST, AND VEHICULAR WHIP.

TUNING: (MO OR XTAL) XTAL

SENSITIVITY: SELECTIVITY:

POWER SOURCE: DRY BATTERIES OR VIBRATOR PACK FOR OPERATION FROM ANY 6 OR 12 V VEHICULAR BATTERY.

SIMILAR SETS: SCR-509 WHICH USES DRY BATTERIES ONLY.

POWER OUTPUT: (WATTS) 1.8 100% MODULATION.

TUBES: (TYPE AND NUMBER) SCR-510-A USES:  
1 BC-620-A - 4 1LN5; 1 1LC6; 4 1299; 1 1294;  
1 1LH4; 2 1291. 1 PE-97-A - 1 VR90-30;  
1 CK1005.**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: )USE: FA: ARMD BTRY; MD: CO BN ARMD; SIB C:  
CO ARMD; ARMD F; TD: BN. USED BY FORWARD  
OBSERVERS FOR LIAISON PURPOSES.

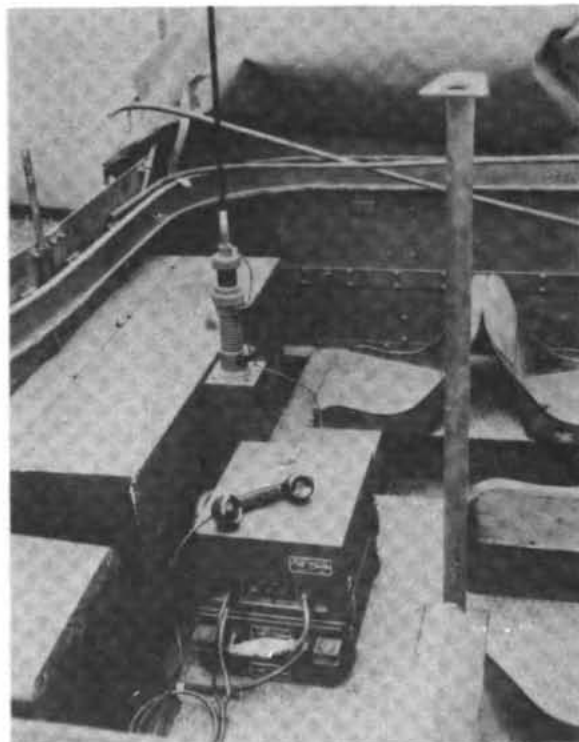
RANGE: (MILES) 5 IN MOTION.

TO COMMUNICATE WITH: SCR-293; SCR-294; SCR-508;  
SCR-509; SCR-510; SCR-528; SCR-538.

TO REPLACE IN PART: SCR-194; SCR-195.

TRANSPORTATION: TRANSPORTED & OPERATED IN VEHICLE  
OR CARRIED BY MAN ON FOOT.

TYPE OF SIGNAL: VOICE (FM)

CHANGE IN  
STATUS:RADIO SET SCR-510 SHOWING SET INSTALLED IN RIGHT CENTER SECTION  
OF SCOUT CAR M3A1RADIO SET SCR-510 IS THE SAME AS RADIO SET SCR-509 EXCEPT FOR THE  
ADDITION OF VEHICULAR COMPONENTS. SHORT RANGE FREQUENCY MODULATED  
VEHICULAR OR GROUND RADIO SET. MAY ALSO BE USED AS SHORT RANGE MOBILE  
COMMAND SET.**PART C - PRINCIPAL COMPONENTS**  
(CLASSIFICATION: RESTRICTED)

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

REGR. & TRANS. BC-620-  
PLATE SUPPLY UNIT PE-97

COMBINED WEIGHT OF COMPONENTS:

65#

COMBINED VOLUME:

1.3 CU. FT.

SHIP TONNAGE:

INSTRUCTIONAL LITERATURE:  
TM 11-245

STATUS:

STANDARD  
1 JUN 42NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.NOMENCLATURE  
DESIGNATION:**SCR-511**CHANGE IN  
STATUS:**PART A - TECHNICAL 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: INTEGRAL DRY BATTERIES BA-49.

SIMILAR SETS: NONE

POWER OUTPUT: (WATTS) 0.75

TUBES: (TYPE AND NUMBER) RADIO RECV. BC-1147: 1 5U4G(VT-244)  
1 6H6(VT-90) 1 6J5(VT-94) 1 6SA7(VT-150) 1 6SH7 1 6SJ7(VT-116)  
1 6SK7 (VT-117) 1 6SQ7(VT-103) 1 6V6-GT(VT-107-A) 1 VR-150-30  
(VT-139) TARGET TRANSMITTER BC-1149: 1 IR5(VT-171) 1 1291(VT-182)  
CONTROL PANEL PH-311 2X2(VT-119) 1 5U4G(VT-244) 1 6AC7(VT-112)  
1 6L6G(VT-115) 1 VR-105-30(VT-200)**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: )USE: CAV. TR; ENGR. CO. & TR; INF; PARA, MTH,  
& AIRBORNE UNITS; SIG CO; CO MTH DIV;  
CO MTH DIV; CO AMPHIBIAN.

RANGE: (MILES) 5 NORMAL

TO COMMUNICATE WITH:

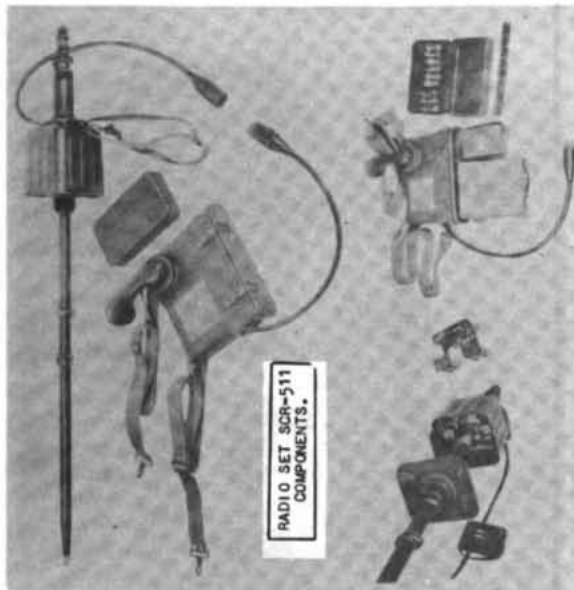
TO REPLACE IN PART:

TRANSPORTATION: MAN ON FOOT, HORSE, OR VEHICLE.

TYPE OF SIGNAL: VOICE (AM)

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

| ITEM                           | DIMENSIONS |       |       | WEIGHT     | CLASSIFICATION |
|--------------------------------|------------|-------|-------|------------|----------------|
|                                | HEIGHT     | WIDTH | DEPTH |            |                |
| RADIO RECV. & TRANS. BC-745    |            |       |       |            |                |
| TUNING UNIT BC-746             |            |       |       |            |                |
| POWER SUPPLY UNIT PE-157       |            |       |       |            |                |
| CHEST UNIT T-39                |            |       |       |            |                |
| MOUNTING FT-358                |            |       |       |            |                |
| BATTERY BA-49                  |            |       |       |            |                |
| COMBINED WEIGHT OF COMPONENTS: |            |       |       | 20#        |                |
| COMBINED VOLUME:               |            |       |       | 0.5 cu ft. |                |
| SHIP TONNAGE:                  |            |       |       |            |                |

RADIO SET SCR-511  
COMPONENTS.RADIO SET SCR-511 IS A LIGHT WEIGHT VOICE-OPERATED SET USED FOR  
COMMUNICATION BETWEEN SMALL UNITS OF THE CAVALRY. THIS SET CAN  
BE USED BY PERSONNEL WHO ARE NOT TRAINED RADIO SPECIALISTS.RADIO SET SCR-511  
AS USED BY  
MOUNTED TROOPS.

THIS SHEET IS CLASSIFIED: RESTRICTED

SCR-522

NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
8 SEP 41

INSTRUCTIONAL LITERATURE:

TO 06-10-105

PART A - TECHNICAL CHARACTERISTICS  
(CLASSIFICATION: RESTRICTED)

FREQUENCY RANGE: (Mc) 100 - 156 Mcs

NUMBER OF CRYSTALS: 8 (4 TRANS. 4 RECVR.)

PRESET FREQUENCIES: 4 PRESET CHANNELS BOTH  
RECVR. & TRANS.ANTENNA: AN-74 & AN-74-A; AN-104 & AN-104-A -  
1/4 WAVE, VERTICAL MAST.

TUNING: (MO OR XTAL) CRYSTAL TUNING

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 28 VOLTS. PRIMARY SOURCE AND  
PE-94SIMILAR SETS: RADIO SET SCR-542 (12 VOLT VERSION  
OF SCR-522)

POWER OUTPUT: (WATTS) 6 WATTS VOICE.

TUBES: (TYPE AND NUMBER) SCR-522-A USED:

|             |           |
|-------------|-----------|
| 1 - 12J5GT  | 3 - 12SG7 |
| 1 - 12C8    | 2 - 832   |
| 1 - 9002    | 3 - 12A6  |
| 3 - 9003    | 1 - 6AG6  |
| 1 - 12AH7GT | 2 - 6SS7  |

PART B - TACTICAL CHARACTERISTICS  
(CLASSIFICATION: RESTRICTED)USE: AIR CORPS - USED IN ALL TYPES OF AIRCRAFT.  
FOR: AIR-TO-AIR; AIR-TO-GROUND COMMUNI-  
CATION.

RANGE: (MILES) 130 AT 10,000 FEET. (LINE OF SIGHT)

TO COMMUNICATE WITH: OTHER AIRPLANES EQUIPPED  
WITH SCR-522 OR SCR-542, OR EQUIVALENT VHF  
COMMAND EQUIPMENT, ALSO GROUND INSTALLATIONS  
HAVING SUFFICIENT VHF GROUND FACILITIES.

TO REPLACE IN PART: SCR-274-N AND SCR-283.

TRANSPORTATION: AIRBORNE INSTALLATION.

TYPE OF SIGNAL: VOICE AND SPECIAL TONE SIGNAL  
WHEN USED WITH CONTACTOR EQUIP-  
MENT RC-96.PART C - PRINCIPAL COMPONENTS  
(CLASSIFICATION: RESTRICTED)

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

CASE CS-80 CONTAINING:  
RADIO TRANSMITTER BC-625  
RADIO RECEIVER BC-624  
RACK FT-244

16 5/32" 12 9/16" 10 11/16"

49#

DYNAMOTOR PE-94

12 25/32" 8 27/32" 6 15/16"

37#

RADIO CONTROL BOX BC-602

5 7/8" 5 9/16" 2 1/2"

2.4#

COMBINED WEIGHT OF COMPONENTS:

91# APPROX.

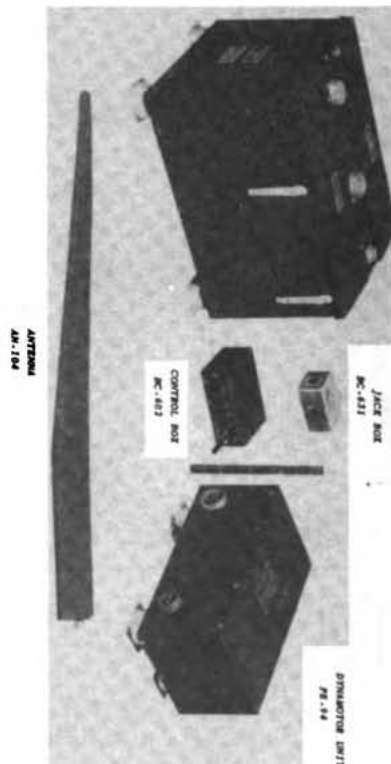
COMBINED VOLUME:

1.8 CU. FT. APPROX.

SHIP TONNAGE:

CHANGE IN  
STATUS:
 PREPARING AND PREVIEWING SECTION  
 ACTUAL RADIO LABORATORY PHOTO FIELD 0

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

 Date 8-4-43  
 Neg. No. D 2835 R

 RADIO RECEIVER RC-114 AND  
 RADIO TRANSMITTER RC-115 IN  
 CASE CS-40-A AND BACK FT-144

| INSTRUCTIONAL LITERATURE:<br><br>TM 11-600                                                                                                                                                                                                                                                        | STATUS:<br><br>CHANGE IN STATUS: | STANDARD<br>22 JUL 41 | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | NOMENCLATURE DESIGNATION: <b>SCR-528</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |                |  |        |                |        |       |       |                                                                                |     |         |     |       |  |                                |  |  |  |  |  |                  |  |  |  |  |  |               |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|--|--------|----------------|--------|-------|-------|--------------------------------------------------------------------------------|-----|---------|-----|-------|--|--------------------------------|--|--|--|--|--|------------------|--|--|--|--|--|---------------|--|--|--|
|  <p style="writing-mode: vertical-rl; transform: rotate(180deg);">RADIO SET SCR-528<br/>INSTALLED IN DODGE TRUCK, 3/4-TON 4 X 4 COMMAND<br/>VEHICULAR, SHORT RANGE FM TRANSMITTER AND RECEIVER. SEE SCR-508.</p> |                                  |                       | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: ) <p>FREQUENCY RANGE: (Mc) 20.0 TO 27.9</p> <p>NUMBER OF CRYSTALS: 80</p> <p>PRESET FREQUENCIES: 10</p> <p>ANTENNA: 9 FOOT FISHPOLE</p> <p>TUNING (MC OR XTAL): XTAL</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 12v (XMTN) DM-35 (RECVR.) DM-34, 24v (XMTN) DM-37 (RECVR.) DM-36</p> <p>SIMILAR SETS: SAME AS SCR-508 MINUS ONE RADIO RECEIVER BC-603.</p> <p>POWER OUTPUT: (WATTS) 25 AT 100% MODULATION</p> <p>TUBES: (TYPE AND NUMBER) SCR-528 USES:<br/>1-BC-603-C REC.; 1-6H6; 1-6J5; 1-6V6GT; 3-6AC7/<br/>1852; 2-12 30 7; 2-6 SL7 GT. 1-BC-604-C TRANS.<br/>7-1819; 1-1624.</p> <p>(TUBE CONTENTS MAY VARY IN DIFFERENT MODELS. MODEL 528-C IS GITED TO SHOW TUBE CONTENT AS BEING FM R-1 TYPICAL.)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: ) <p>USE: CW; ENCRS; FA; MED DEPT; QMC; ARMED F; INTERMEDIATE COMMAND TMS &amp; VEHICLES OF ARMORED FORCE, GNC, CORPS AND DIVISIONS.</p> <p>RANGE: (MILES) 7 WHILE IN MOTION</p> <p>TO COMMUNICATE WITH: SCR-293; SCR-294; SCR-508; SCR-509; SCR-510; SCR-528; SCR-538.</p> <p>TO REPLACE IN PART: SCR-293; SCR-245 IN ARMORED FORCE.</p> <p>TRANSPORTATION: AND OPERATION IN VEHICLES.</p> <p>TYPE OF SIGNAL: VOICE (FM)</p> |            |                |  |        |                |        |       |       |                                                                                |     |         |     |       |  |                                |  |  |  |  |  |                  |  |  |  |  |  |               |  |  |  |
|                                                                                                                                                                                                                                                                                                   |                                  |                       | <b>PART C - PRINCIPAL COMPONENTS</b><br>(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 BC-604 (INTEGRAL INTERPHONE)<br/>           RECEIVER BC-603<br/>           MOUNTING FT-237         </td> <td>14"</td> <td>14 1/2"</td> <td>34"</td> <td>175 #</td> <td></td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>COMBINED VOLUME:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SHIP TONNAGE:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DIMENSIONS |                |  | WEIGHT | CLASSIFICATION | HEIGHT | WIDTH | DEPTH | TRANSMITTER BC-604 (INTEGRAL INTERPHONE)<br>RECEIVER BC-603<br>MOUNTING FT-237 | 14" | 14 1/2" | 34" | 175 # |  | COMBINED WEIGHT OF COMPONENTS: |  |  |  |  |  | COMBINED VOLUME: |  |  |  |  |  | SHIP TONNAGE: |  |  |  |
| ITEM                                                                                                                                                                                                                                                                                              | DIMENSIONS                       |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | WEIGHT     | CLASSIFICATION |  |        |                |        |       |       |                                                                                |     |         |     |       |  |                                |  |  |  |  |  |                  |  |  |  |  |  |               |  |  |  |
|                                                                                                                                                                                                                                                                                                   | HEIGHT                           | WIDTH                 | DEPTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |                |  |        |                |        |       |       |                                                                                |     |         |     |       |  |                                |  |  |  |  |  |                  |  |  |  |  |  |               |  |  |  |
| TRANSMITTER BC-604 (INTEGRAL INTERPHONE)<br>RECEIVER BC-603<br>MOUNTING FT-237                                                                                                                                                                                                                    | 14"                              | 14 1/2"               | 34"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 175 #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                |  |        |                |        |       |       |                                                                                |     |         |     |       |  |                                |  |  |  |  |  |                  |  |  |  |  |  |               |  |  |  |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                                                                                                                                                    |                                  |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |                |  |        |                |        |       |       |                                                                                |     |         |     |       |  |                                |  |  |  |  |  |                  |  |  |  |  |  |               |  |  |  |
| COMBINED VOLUME:                                                                                                                                                                                                                                                                                  |                                  |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |                |  |        |                |        |       |       |                                                                                |     |         |     |       |  |                                |  |  |  |  |  |                  |  |  |  |  |  |               |  |  |  |
| SHIP TONNAGE:                                                                                                                                                                                                                                                                                     |                                  |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |                |  |        |                |        |       |       |                                                                                |     |         |     |       |  |                                |  |  |  |  |  |                  |  |  |  |  |  |               |  |  |  |

**SCR-536**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

INSTRUCTIONAL LITERATURE:  
TM 11-235**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: )

FREQUENCY RANGE: (Mc) 3.5 TO 6.0

NUMBER OF CRYSTALS: ONE TRANSMITTING AND ONE  
RECEIVING CRYSTAL REQUIRED PER CHANNEL.

PRESET FREQUENCIES: ONE PRESET CHANNEL PROVIDED.

ANTENNA: 44" WHIP ANTENNA - TELESCOPE INTO SET  
BOX. RECEIVER IS TURNED ON WHEN ANTENNA IS EXTENDED.

TUNING: (MO OR XTAL) CRYSTAL.

SENSITIVITY: SELECTIVITY:

POWER SOURCE: SELF CONTAINED DRY BATTERIES.

SIMILAR SETS: NONE

POWER OUTPUT: (WATTS) .027

TUBES: (TYPE AND NUMBER) 1 BC-611-B TRANSCEIVER.  
TUBES: 1, 1 R 5 TUBE; 1, 1 S 5 TUBE; 1, 1 T 4  
TUBE; 2, 3 S 4 TUBE.**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: )USE: USED BY PARACHUTE TROOPS, AIRBORNE  
TROOPS, AND ANTI-TANK UNITS OF THE  
INFANTRY FOR SHORT RANGE COMMUNICATION.

RANGE: (MILES) 1 1/2

TO COMMUNICATE WITH: SCR-187; SCR-188; SCR-193;  
SCR-215; SCR-274-N; SCR-283; SCR-287;  
SCR-288.

TO REPLACE IN PART: NONE.

TRANSPORTATION: MAN PACK

TYPE OF SIGNAL: VOICE ONLY. (AM)

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

ITEM

## DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

RECEIVER AND TRANSMITTER BC-611

15 3/4"

5 3/8"

3 3/4"

5.5#

COMBINED WEIGHT OF COMPONENTS:

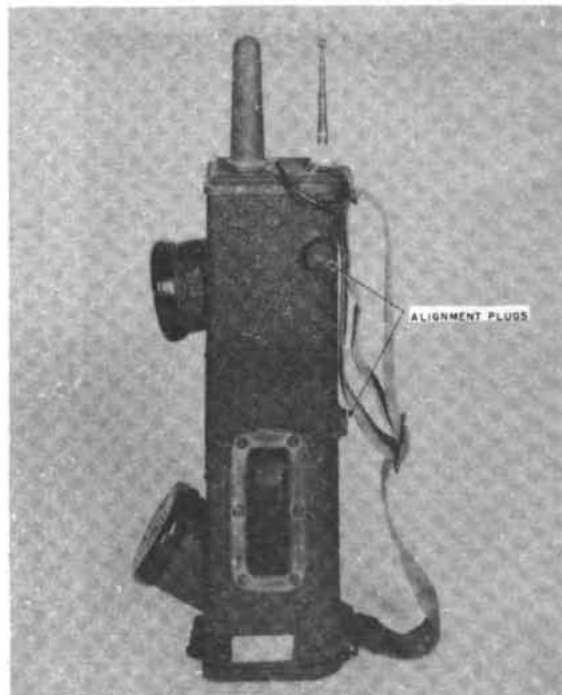
6#

COMBINED VOLUME OF COMPONENTS:

480 CU. IN.

SHIP TONNAGE:

8 #



RADIO SET SCR-536

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

## INSTRUCTIONAL LITERATURE:

TM 11-600

## STATUS:

STANDARD  
29 Apr 41NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.NOMENCLATURE  
DESIGNATION:

SCR-538

CHANGE IN  
STATUS:PART A - TECHNICAL CHARACTERISTICS  
(CLASSIFICATION: )

FREQUENCY RANGE (Mc) 20 TO 27.9 (RECEIVER ONLY)

NUMBER OF CRYSTALS:

PRESET FREQUENCIES: 10 - PUSH BUTTON SELECTION

ANTENNA: 9 FT. FISHPOLE

TUNING: (MO OR XTAL)

SENSITIVITY: SELECTIVITY:

POWER SOURCE: VEHICLE BATTERY (12 V OR 24 V)

SIMILAR SETS:

POWER OUTPUT: (WATTS)

TUBES: (TYPE AND NUMBER) SCR-538 USES: 1-BC-603-A;  
1-BC-605-A. 1-BC-603-A; 2-6 SL 7 GT; 1-6H6;  
1-6J5; 1-6V6 GT; 3-6AC 7/1852; 2-12SG7.  
1-605-A; 2-1619 TUBES.PART B - TACTICAL CHARACTERISTICS  
(CLASSIFICATION: )USE: CW; MEOZ & MTED; ARMO F; TANK AND MAINTENANCE  
UNITS.

RANGE: (MILES)

TO COMMUNICATE WITH: SCR-293; SCR-508; SCR-509;  
SCR-510; SCR-528.

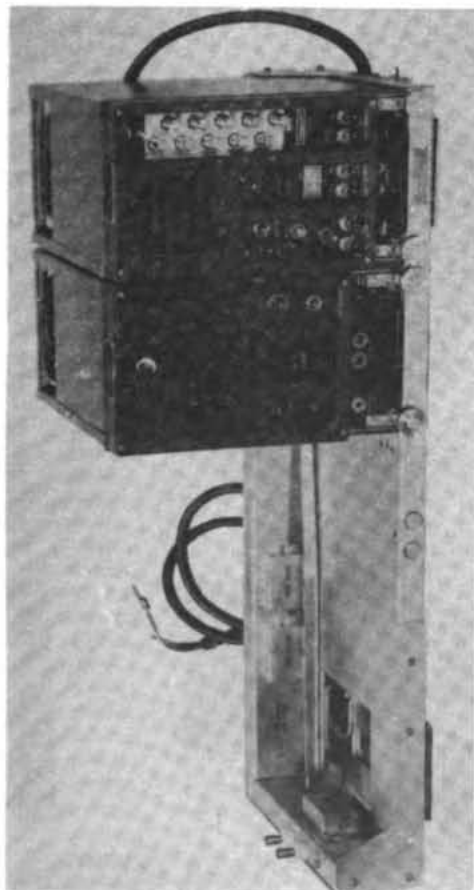
TO REPLACE IN PART: SCR-210; SCR-294.

TRANSPORTATION: TRANSPORTED AND OPERATED IN VEHICLES

TYPE OF SIGNAL: VOICE (FM)

PART C - PRINCIPAL COMPONENTS  
(CLASSIFICATION: RESTRICTED)

| ITEM                                                                              | DIMENSIONS |         |       | WEIGHT | CLASSIFICATION |
|-----------------------------------------------------------------------------------|------------|---------|-------|--------|----------------|
|                                                                                   | HEIGHT     | WIDTH   | DEPTH |        |                |
| RECEIVER BC-603. INTERPHONE AMP. BC-605<br>MOUNTING FT-237, MAST BASE MP-37 OR 57 | 14 "       | 14 1/2" | 34 "  | 135 #  |                |
| COMBINED WEIGHT OF COMPONENTS:                                                    |            |         |       |        |                |
| COMBINED VOLUME:                                                                  |            |         |       |        |                |
| SHIP TONNAGE:                                                                     |            |         |       |        |                |



RADIO SET SCR-538 FRONT VIEW

RECEIVER ONLY. COMPRISSES ONE RECEIVER AND A SEPARATE INTERPHONE AMPLIFIER. SAME  
MOUNTING BASE FT-237 IS USED AS FOR SCR-508 AND 528 PERMITTING USE OF THE COMPONENTS  
OF ANY OF THESE SETS; SCR-508 WHOLLY OCCUPIES THE MOUNTING BASE AND SCR-538 ONLY  
PARTLY. SEE SCR-508.

THIS SHEET IS CLASSIFIED: RESTRICTED

**SCR-542**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

INSTRUCTIONAL LITERATURE:

TO 08-10-105

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

FREQUENCY RANGE: (MO) 100 - 156 MO.

NUMBER OF CRYSTALS: 8 (4 TRANSMITTERS - 4 RECEIVERS)

PRESET FREQUENCIES: 4 PRESET CHANNELS, BOTH  
RECEIVERS AND TRANSMITTERS.ANTENNA: 1/4 WAVE, VERTICAL MAST - AN-74 &  
AN-74-A AN-104 & AN-104-A.

TUNING: (MO OR XTAL) XTAL TUNING.

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 12 VOLT PRIMARY SOURCE AND PE-98

SIMILAR SETS: SCR-522 (EXCEPT VOLTAGE)

POWER OUTPUT: 6 WATTS VOICE.

TUBES: (TYPE AND NUMBER) SCR-542-A USES:

- |             |           |
|-------------|-----------|
| 1 - 12J5GT  | 3 - 12SG7 |
| 1 - 12C8    | 2 - 832   |
| 1 - 9002    | 3 - 12A6  |
| 3 - 9003    | 1 - 6G6G  |
| 1 - 12AH7GT | 2 - 6SS7  |

**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: **RESTRICTED**)USE: AIR CORPS - USED IN ALL TYPES OF AIRCRAFT.  
FOR: AIR-TO-AIR, AIR-TO-GROUND COMMUNICA-  
TION.

RANGE: (MILES) 130 AT 1000 FT. (LINE OF SIGHT).

TO COMMUNICATE WITH: OTHER AIRPLANES EQUIPPED  
WITH SCR-522 OR SCR-542, OR EQUIVALENT VHF  
COMMAND EQUIPMENT, ALSO GROUND INSTALLATIONS  
HAVING SUFFICIENT BHF GROUND FACILITIES.

TO REPLACE IN PART:

TRANSPORTATION: AIRBORNE INSTALLATION.

TYPE OF SIGNAL: VOICE AND SPECIAL TONE SIGNAL  
WHEN USED WITH CONTACTOR EQUIPMENT RC-96.**PART C - PRINCIPAL COMPONENTS**  
(CLASSIFICATION: **RESTRICTED**)

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

CASE CS-80 CONTAINING:  
RADIO TRANSMITTER BC-625  
RADIO RECEIVER BC-624  
RAOK FY-244

DYNAMOTOR PE-98

RADIO CONTROL BOX BC-602

16 5/32"

12 9/16"

10 11/16"

49#

12 25/32"

8 27/32"

6 15/64"

37#

5 7/8"

5 9/16"

2 1/2"

2.4#

COMBINED WEIGHT OF COMPONENTS:

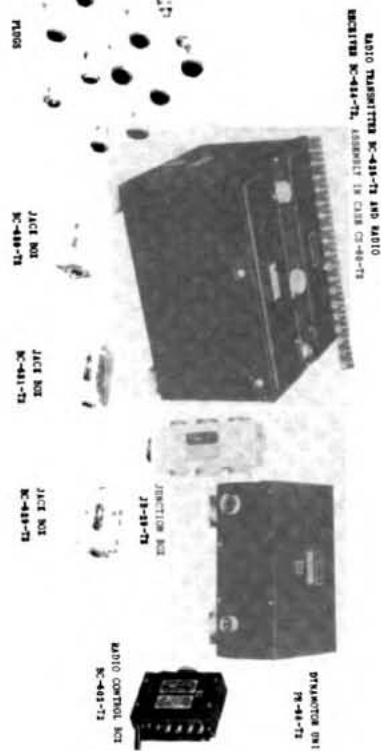
91 # APPROXIMATELY

COMBINED VOLUME OF COMPONENTS:

1.8 CU FT APPROX.

SHIP TONNAGE:

PRINCIPAL COMPONENTS OF RADIO SET SCR-542.



## INSTRUCTIONAL LITERATURE:

TM 11-625

## STATUS:

CHANGE IN  
STATUS:NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.NOMENCLATURE  
DESIGNATION:**SCR-543**PART A - TECHNICAL CHARACTERISTICS  
(CLASSIFICATION: )

FREQUENCY RANGE: (Mc) 1.68 - 4.45

NUMBER OF CRYSTALS: 6

PRESET FREQUENCIES: 6

ANTENNA: 15' WHIP ANTENNA.

TUNING: (MO OR XTAL) XTAL

SENSITIVITY: SELECTIVITY:

POWER SOURCE: POWER SUPPLY UNIT PE-110  
115V AC, POWER UNIT PE-108.

SIMILAR SETS:

POWER OUTPUT: (WATTS) 45

TUBES: (TYPE AND NUMBER) SCR-543-C USES:  
1 BC-669 - 1 6H6; 1 6J5; 2 607; 1 6L6;  
4 6L6G; 3 6SK7; 1 12J56T; 1 6SA7; 1 6K6GT.  
1 PE-110-C-1 TYPE 80; 4 5Z3.PART B - TACTICAL CHARACTERISTICS  
(CLASSIFICATION: )USE: CAC: FIRING BATTERY, BARRAGE BALLOON UNITS,  
& AA UNITS.

RANGE: (MILES) 15 MOVING. 20-30 STATIONARY.

TO COMMUNICATE WITH:

TO REPLACE IN PART:

TRANSPORTATION: VEHICLE. (CAN BE DISMOUNTED  
QUICKLY AND OPERATED WITH INCREASED RANGE AS  
FIELD STATION)

TYPE OF SIGNAL: VOICE ONLY (AM)

PART C - PRINCIPAL COMPONENTS  
(CLASSIFICATION: )

| ITEM                           | DIMENSIONS |         |         | WEIGHT | CLASSIFICATION |
|--------------------------------|------------|---------|---------|--------|----------------|
|                                | HEIGHT     | WIDTH   | DEPTH   |        |                |
| RECEIVER & TRANSMITTER BC-669, | 28 1/2"    | 20 3/8" | 29 3/4" | 181#   |                |
| POWER UNIT PE-110              | 22 1/2"    | 15 1/4" | 26 3/4" | 163#   |                |
| POWER UNIT PE-108              | 24"        | 28"     | 23 3/4" | 320#   |                |
| COMBINED WEIGHT OF COMPONENTS: |            |         |         |        |                |
| COMBINED VOLUME OF COMPONENTS: |            |         |         |        |                |
| SHIP TONNAGE:                  |            |         |         |        |                |

MEDIUM POWER MOBILE COMMAND SET. CAPABLE OF OPERATION IN A MOVING VEHICLE

RADIO SET SCR-543  
Radio Receiver and Transmitter BC-669 . Power Supply PE-110  
Power Unit PE-108 . Remote Control Unit RM-21

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

**SCR-551**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION

STATUS:

SUBSTITUTE STANDARD  
11 JUN 42INSTRUCTIONAL LITERATURE:  
TM 11-217 (FOR SCR-551-A)**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: )

FREQUENCY RANGE: (Mc) 2.0 to 20.0  
 NUMBER OF CRYSTALS: NONE  
 PRESET FREQUENCIES: NONE  
 ANTENNA: ADOOOK  
 TUNING: (MD OR XTAL) DOES NOT APPLY  
 SENSITIVITY: 5 - 30 MICROVOLTS/METER  
 SELECTIVITY:  
 POWER SOURCE: 6V STORAGE BATTERY  
 SIMILAR SETS: SCR-255, 555, 556  
 POWER OUTPUT: (WATTS)  
 TUBES: (TYPE AND NUMBER)

|          |               |
|----------|---------------|
| 1 VT-66  | 3 VT-80       |
| 3 VT-86  | 3 VT-90       |
| 3 VT-91  | 1 VT-99       |
| 2 VT-105 | 4 VT-116      |
| 6 VT-124 | 1 VT-165      |
| 4 6SF5   | 1 3BP1 (C.R.) |

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

USE: RADIO DIRECTION FINDER FOR LOCATING ENEMY TRANSMITTERS AND FOR NAVIGATIONAL AID TO FRIENDLY AIRCRAFT.

RANGE:

TO COMMUNICATE WITH: DOES NOT APPLY

TO REPLACE IN PART: SCR-255

TRANSPORTATION: 2½ TON CARGO TRUCK

TYPE OF SIGNAL: DOES NOT APPLY

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

ITEM

## DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

CS-121 CONTAINERS

VIBRATOR UNIT PE-151

CONTROL PANEL PN-21

OSCILLOSCOPE BC-991

RADIO RECEIVER BC-976

TOWER TR-51

ADDOOK ANTENNA

SHELTER HO-11

40"

15'

86"

5 1/2'

13'

80"

9'

"

80"

212#

20#

29#

38#

40#

616#

33#

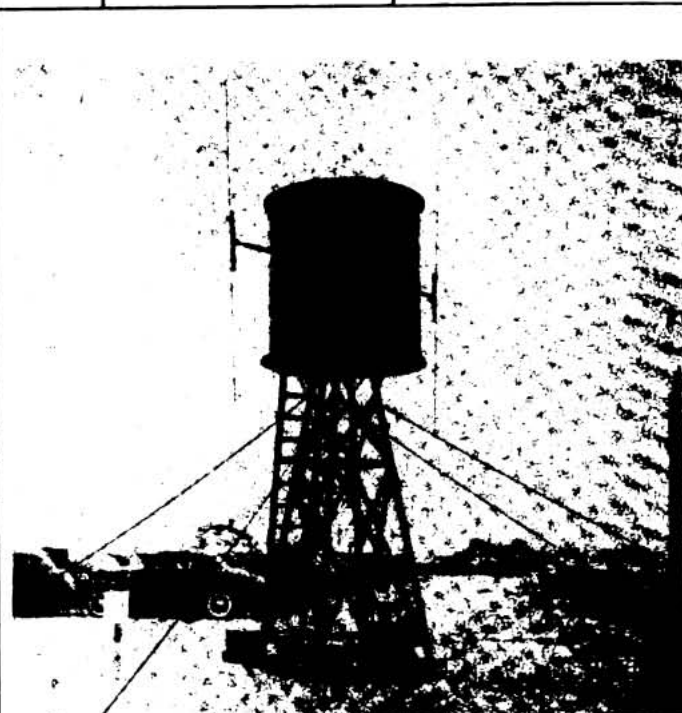
205#

COMBINED WEIGHT OF COMPONENTS: INCLUDING CESTS, LADDER, BATTERIES

2600#

COMBINED VOLUME OF COMPONENTS:

SHIP TONNAGE:



RADIO SET SCR-551  
PREPARED FOR DIRECTION FINDING

EQUIPMENT AND OPERATOR ROTATE ON TOP OF 15-FOOT TOWER. GIVES  
AURAL HULL AND LEFT-RIGHT BEARING INDICATION ON OSCILLOSCOPE.

| INSTRUCTIONAL LITERATURE:                                                                                                                                                                                                                                                                                                     | STATUS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | STANDARD<br>30 Oct 42 | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                   | NOMENCLATURE<br>DESIGNATION: <b>SCR-555</b> |                                                         |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------|------|------------|--|--|--------|----------------|--------|-------|-------|------------------------------------------------------|--|--|--|--|--|---------------------------------------------------|-----|-----|-----|------|--|----------------------------------------|-----|-----|----|------|--|----------------------------------------------------------------------------------------------|-----|-----|-----|------|--|-----------------------------------------|-----|-----|----|------|--|-------------------------------------------------------------------------------------------------------------|-----|------|----|------|--|-----------------------------------------------------|------|-----|-----|------|--|-------------------------------------------------|-----|-----|-----|------|--|------------------------------------------------------------------------------------------------|-----|-----|-----|------|--|---------------------------|-----|-----|-----|------|--|-----------------------------------------------------------------------------------------|--|--|--|--|--|--------------------------------|--|--|--|--------|--|--------------------------------|--|--|--|--|--|---------------|--|--|--|--|
|                                                                                                                                                                                                                                                                                                                               | CHANGE IN<br>STATUS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       | PART A - TECHNICAL CHARACTERISTICS<br>(CLASSIFICATION: )                                                                                                                                                                       |                                             | PART B - TACTICAL CHARACTERISTICS<br>(CLASSIFICATION: ) |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |
|  <p>RADIO SET SCR-555<br/>PREPARED FOR DIRECTION FINDING</p> <p>GIVES AURAL NULL OR LEFT-RIGHT METER BEARING INDICATION.<br/>OPERATOR ROTATES WITH EQUIPMENT AT BASE OF TOWER. SAME<br/>AS RADIO SET SCR-556 EXCEPT FOR FREQUENCY RANGE.</p> | FREQUENCY RANGE: (Mc) 18 - 65<br>NUMBER OF CRYSTALS: NONE<br>PRESET FREQUENCIES: NONE<br>ANTENNA: Adcock<br>TUNING: (MO OR XTAL) DOES NOT APPLY<br>SENSITIVITY:                      SELECTIVITY:<br>POWER SOURCE: 12 V STORAGE BATTERY<br>SIMILAR SETS: SCR-551; SCR-556<br>POWER OUTPUT: (WATTS) DOES NOT APPLY<br>TUBES: (TYPE AND NUMBER)<br>1 VT-90                      2 VT-94<br>2 VT-112                    2 VT-131<br>1 VT-198-A                3 VT-209<br>1 VT-211                    1 VT-235<br>2 VT-268                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       | USE: RADIO DIRECTION FINDER FOR LOCATING ENEMY TRANSMITTERS.<br><br>RANGE:<br><br>TO COMMUNICATE WITH: DOES NOT APPLY<br><br>TO REPLACE IN PART: NONE<br><br>TRANSPORTATION: CARGO TRUCK<br><br>TYPE OF SIGNAL: DOES NOT APPLY |                                             |                                                         |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                               | PART C - PRINCIPAL COMPONENTS<br>(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>TOWER AND SHELTER ASSEMBLY TR-25 PACKED IN 5 CHESTS:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 CHEST CH-135 CONTAINING 3 SHELTER SIDE SECTIONS</td> <td>64"</td> <td>59"</td> <td>10"</td> <td>329#</td> <td></td> </tr> <tr> <td>1 CHEST CH-136 CONTAINING ROOF SECTION</td> <td>64"</td> <td>62"</td> <td>9"</td> <td>257#</td> <td></td> </tr> <tr> <td>1 CHEST CH-137 CONTAINING 3 LOWER TOWER LEGS, 3 UPPER TOWER LEGS, 1 APEX BLOCK, AND 3 WEDGES</td> <td>90"</td> <td>12"</td> <td>11"</td> <td>270#</td> <td></td> </tr> <tr> <td>1 CHEST CH-201 CONTAINING FLOOR SECTION</td> <td>72"</td> <td>72"</td> <td>7"</td> <td>251#</td> <td></td> </tr> <tr> <td>1 CHEST CH-202 CONTAINING 3 BASE BILLS, TARGET TRIPOD LG-23-B, COMPASS TRIPOD LG-14-B, AND GROUND ROD GP-28</td> <td>12"</td> <td>120"</td> <td>8"</td> <td>200#</td> <td></td> </tr> <tr> <td>ANTENNA MAST ASSEMBLY AN-105 PACKED IN CHEST CH-105</td> <td>104"</td> <td>13"</td> <td>14"</td> <td>215#</td> <td></td> </tr> <tr> <td>PEDESTAL ASSEMBLY FT-365 PACKED IN CHEST CH-126</td> <td>30"</td> <td>54"</td> <td>36"</td> <td>194#</td> <td></td> </tr> <tr> <td>RECEIVER CABINET CS-155 CONTAINING 1 RECEIVER RC-1005, 1 POWER UNIT PE-155, AND 1 CORD CD-1028</td> <td>28"</td> <td>26"</td> <td>16"</td> <td>170#</td> <td></td> </tr> <tr> <td>MISCELLANEOUS ACCESSORIES</td> <td>---</td> <td>---</td> <td>---</td> <td>552#</td> <td></td> </tr> <tr> <td colspan="6">NOTE: DIMENSIONS AND WEIGHTS SHOWN ARE FOR CHESTS, INCLUDING COMPONENTS PACKED THEREIN.</td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>2,438#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS:</td> <td></td> <td></td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td></td> <td></td> </tr> </tbody> </table> |                       |                                                                                                                                                                                                                                |                                             |                                                         | ITEM | DIMENSIONS |  |  | WEIGHT | CLASSIFICATION | HEIGHT | WIDTH | DEPTH | TOWER AND SHELTER ASSEMBLY TR-25 PACKED IN 5 CHESTS: |  |  |  |  |  | 1 CHEST CH-135 CONTAINING 3 SHELTER SIDE SECTIONS | 64" | 59" | 10" | 329# |  | 1 CHEST CH-136 CONTAINING ROOF SECTION | 64" | 62" | 9" | 257# |  | 1 CHEST CH-137 CONTAINING 3 LOWER TOWER LEGS, 3 UPPER TOWER LEGS, 1 APEX BLOCK, AND 3 WEDGES | 90" | 12" | 11" | 270# |  | 1 CHEST CH-201 CONTAINING FLOOR SECTION | 72" | 72" | 7" | 251# |  | 1 CHEST CH-202 CONTAINING 3 BASE BILLS, TARGET TRIPOD LG-23-B, COMPASS TRIPOD LG-14-B, AND GROUND ROD GP-28 | 12" | 120" | 8" | 200# |  | ANTENNA MAST ASSEMBLY AN-105 PACKED IN CHEST CH-105 | 104" | 13" | 14" | 215# |  | PEDESTAL ASSEMBLY FT-365 PACKED IN CHEST CH-126 | 30" | 54" | 36" | 194# |  | RECEIVER CABINET CS-155 CONTAINING 1 RECEIVER RC-1005, 1 POWER UNIT PE-155, AND 1 CORD CD-1028 | 28" | 26" | 16" | 170# |  | MISCELLANEOUS ACCESSORIES | --- | --- | --- | 552# |  | NOTE: DIMENSIONS AND WEIGHTS SHOWN ARE FOR CHESTS, INCLUDING COMPONENTS PACKED THEREIN. |  |  |  |  |  | COMBINED WEIGHT OF COMPONENTS: |  |  |  | 2,438# |  | COMBINED VOLUME OF COMPONENTS: |  |  |  |  |  | SHIP TONNAGE: |  |  |  |  |
| ITEM                                                                                                                                                                                                                                                                                                                          | DIMENSIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                                                                                                                                                                                                                                | WEIGHT                                      | CLASSIFICATION                                          |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                               | HEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | WIDTH                 | DEPTH                                                                                                                                                                                                                          |                                             |                                                         |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |
| TOWER AND SHELTER ASSEMBLY TR-25 PACKED IN 5 CHESTS:                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                                                                                                                                                                                                                                |                                             |                                                         |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |
| 1 CHEST CH-135 CONTAINING 3 SHELTER SIDE SECTIONS                                                                                                                                                                                                                                                                             | 64"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 59"                   | 10"                                                                                                                                                                                                                            | 329#                                        |                                                         |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |
| 1 CHEST CH-136 CONTAINING ROOF SECTION                                                                                                                                                                                                                                                                                        | 64"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 62"                   | 9"                                                                                                                                                                                                                             | 257#                                        |                                                         |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |
| 1 CHEST CH-137 CONTAINING 3 LOWER TOWER LEGS, 3 UPPER TOWER LEGS, 1 APEX BLOCK, AND 3 WEDGES                                                                                                                                                                                                                                  | 90"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 12"                   | 11"                                                                                                                                                                                                                            | 270#                                        |                                                         |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |
| 1 CHEST CH-201 CONTAINING FLOOR SECTION                                                                                                                                                                                                                                                                                       | 72"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 72"                   | 7"                                                                                                                                                                                                                             | 251#                                        |                                                         |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |
| 1 CHEST CH-202 CONTAINING 3 BASE BILLS, TARGET TRIPOD LG-23-B, COMPASS TRIPOD LG-14-B, AND GROUND ROD GP-28                                                                                                                                                                                                                   | 12"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 120"                  | 8"                                                                                                                                                                                                                             | 200#                                        |                                                         |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |
| ANTENNA MAST ASSEMBLY AN-105 PACKED IN CHEST CH-105                                                                                                                                                                                                                                                                           | 104"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 13"                   | 14"                                                                                                                                                                                                                            | 215#                                        |                                                         |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |
| PEDESTAL ASSEMBLY FT-365 PACKED IN CHEST CH-126                                                                                                                                                                                                                                                                               | 30"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 54"                   | 36"                                                                                                                                                                                                                            | 194#                                        |                                                         |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |
| RECEIVER CABINET CS-155 CONTAINING 1 RECEIVER RC-1005, 1 POWER UNIT PE-155, AND 1 CORD CD-1028                                                                                                                                                                                                                                | 28"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 26"                   | 16"                                                                                                                                                                                                                            | 170#                                        |                                                         |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |
| MISCELLANEOUS ACCESSORIES                                                                                                                                                                                                                                                                                                     | ---                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ---                   | ---                                                                                                                                                                                                                            | 552#                                        |                                                         |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |
| NOTE: DIMENSIONS AND WEIGHTS SHOWN ARE FOR CHESTS, INCLUDING COMPONENTS PACKED THEREIN.                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                                                                                                                                                                                                                                |                                             |                                                         |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                                                                                                                                                                                                                                | 2,438#                                      |                                                         |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |
| COMBINED VOLUME OF COMPONENTS:                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                                                                                                                                                                                                                                |                                             |                                                         |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |
| SHIP TONNAGE:                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                                                                                                                                                                                                                                |                                             |                                                         |      |            |  |  |        |                |        |       |       |                                                      |  |  |  |  |  |                                                   |     |     |     |      |  |                                        |     |     |    |      |  |                                                                                              |     |     |     |      |  |                                         |     |     |    |      |  |                                                                                                             |     |      |    |      |  |                                                     |      |     |     |      |  |                                                 |     |     |     |      |  |                                                                                                |     |     |     |      |  |                           |     |     |     |      |  |                                                                                         |  |  |  |  |  |                                |  |  |  |        |  |                                |  |  |  |  |  |               |  |  |  |  |

THIS SHEET IS CLASSIFIED: RESTRICTED

**SCR-561**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
AS COMPONENT OF SCS-2

INSTRUCTIONAL LITERATURE:

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

FREQUENCY RANGE: (MO) CONTROL SET SCR-561 IS THE OPERATIONS BLOCK OF CONTROL NET SYSTEM SCS-2 AND CONTAINS NO RADIO EQUIPMENT. HOUSED IN BUILDING NOT PART OF CONTROL SET.

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: NONE

ANTENNA: NONE

TUNING: (MO OR XTAL) NONE

SENSITIVITY: SELECTIVITY:

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

SIMILAR SETS: CONTROL SET SCR-642

POWER OUTPUT: (WATTS)

TUBES: (TYPE AND NUMBER) CHARGERS: 1 890LB. REPEATER EE-99-T3; 12 3Q5GT; 12 IN5GT. TUBE TESTER 504-A SUPREME; 1 71-A; 1 NEON BULB; VOLTOHMIST MODEL 165 RCA; 1 6X6GT; 1 6X50T; BALLANTINE VOLT METER 300-A; 1 6J7; 2 6SJ7; 1 6Y5GT; 1 6H6; 2 CD-2005. OSCILLOSCOPE 155 RCA; 1 3AP1-906P1; 2 6C6; 2 80; 1 88L GENERATOR 205-A; 1 6S7; 1 6F6; 2 6SF5; 2 6L6; 1 5T4; 1 6H6.

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

USE: CONTROL SET USED AS AN OPERATIONS BLOCK WHICH PROVIDES THE NECESSARY CONTROL EQUIPMENT AND AUXILIARIES TO PERMIT SIMULTANEOUS OPERATIONAL CONTROL OF UP TO FOUR AIRCRAFT SQUADRONS, FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS.

RANGE: (MILES) SEE SCR-562; SCR-563 ETC.

TO COMMUNICATE WITH: RADIO SETS SCR-562, SCR-563; SCR-564; SCR-565; SCR-566, AND SCR-567 AND ALSO WITH AIRCRAFT EQUIPPED WITH RADIO SET SCR-522.

TO REPLACE IN PART:

TRANSPORTATION: NONE

TYPE OF SIGNAL: SEE BELOW

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

1 POWER UNIT PE-99 EACH

55"

28"

50"

1600

RESTRICTED

5 CONTROL UNIT RM-25 EACH

20"

11 1/4"

11 1/4"

44

RESTRICTED

3 CONTROL UNIT RM-26 EACH

11 7/8"

9"

8"

20

RESTRICTED

1 CONTROL UNIT RM-28

14 1/2"

12"

7"

35

RESTRICTED

1 DISTRIBUTION PANEL BD-102

77 1/4"

24 1/4"

24"

300

RESTRICTED

6 TELEPHONE REPEATER EE-99 EACH

8"

14 1/2"

11 1/2"

47

RESTRICTED

2 TELEPHONE EE-8 EACH

9 1/2

RESTRICTED

COMBINED WEIGHT OF COMPONENTS:

10,500 #

COMBINED VOLUME:

325 Cu.ft.

SHIP TONNAGE:

5 1/4



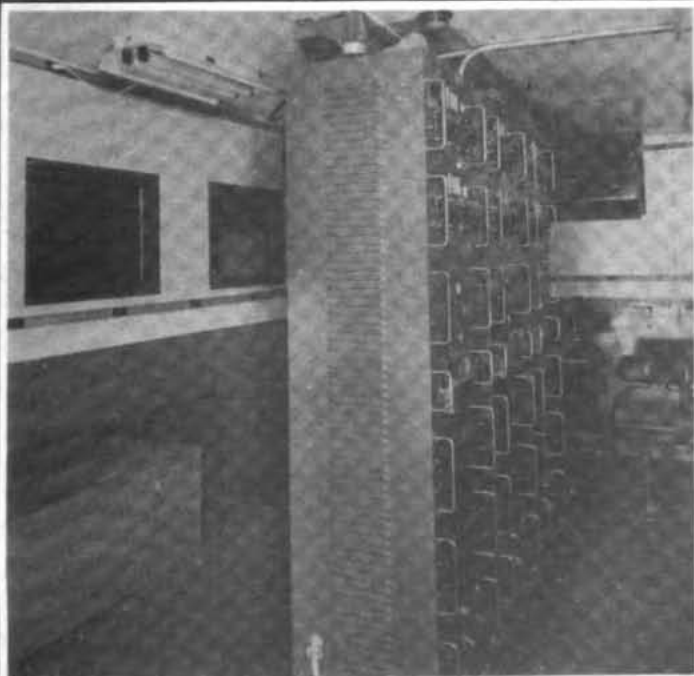
DISTRIBUTION PANEL BD-102-A.  
FRONT VIEW OF ASSEMBLY  
CABINET DOOR OPEN.

CONTROL UNIT RM-28-A. TOP VIEW OF PANEL

CONTROL UNIT RM-26-A, ASSEMBLED. SHOWING PLUG PL-198

**RADIO SET SCR-561. PRINCIPAL COMPONENTS.**

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

| INSTRUCTIONAL LITERATURE:                                                        | STATUS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | STANDARD<br>AS COMPONENT OF SCS-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NOMENCLATURE<br>DESIGNATION: <b>SCR-562</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--|--------|----------------|--------|-------|-------|---------------------------------|-----|-----|-----|------|--|-----------------------|-----|---------|---------|-----|--|---------------------|-----|-----|-----|-------|--|---------------------------|-----|---------|---------|----|--|----------------------|------|-----|---------|-------|--|--------------------------|-----|-----|---------|--------|--|----------------------|------|---------|---------|-------|--|-----------------|---------|---------|---------|------|--|-------|---------|--------|---------|------|--|-------|---------|---------|---------|------|--|-------|---------|---------|---------|------|--|-------|--|--|--|--|--|--------------------------------|--|--|--|-----------|--|--------------------------------|--|--|--|--------------|--|---------------|--|--|--|
|                                                                                  | CHANGE IN<br>STATUS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> )<br>FREQUENCY RANGE: (Mc) 100-156<br>NUMBER OF CRYSTALS: FIVE (5) IN USE (FULL CRYSTAL<br>COMPLEMENT WILL BE DETERMINED BY AAF).<br>PRESET FREQUENCIES: FIVE<br>ANTENNA: VERTICAL DIPOL MOUNTED ON 90' MAST.<br>TUNING: (MO OR XTAL) XTAL.<br>SENSITIVITY: SELECTIVITY:<br>POWER SOURCE: POWER UNIT PE-99 (7½KVA, 110V 3<br>PHASE 60 CYCLE); ALSO PROVISION FOR USING<br>COMMERCIAL POWER FROM 110V 2 WIRE SERVICE.<br>SIMILAR SETS: RADIO SETS SCR-632 (FIXED).<br>POWER OUTPUT: (WATTS) 50 (APPROXIMATELY)<br>TUBES: (TYPE AND NUMBER) 6-BC-640 TRANS: 8 EACH,<br>(4B) 5Z3; 4 EACH (24) 6J5; 3 EACH (18) 1613;<br>2 EACH (12) 811; 1 EACH (6) 807; 5 EACH (30)<br>HK24G. 1-OSCILLOSCOPE RCA #155: 1-3AP1/906P1;<br>2-6C6; 2-80; 1-884; 1-VOLT OHMMYST RCA-165;<br>2-K66T; 1-6X5GT. | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> )<br>USE: VHF RADIO TRANSMITTING STATION FOR GROUND<br>CONTROL OF INTERCEPTOR PURSUIT OPERATIONS.<br>PART OF CONTROL NET SYSTEM SCS-2. PROVIDES<br>5 INDEPENDENT CHANNELS OF RADIO TRANSMISSION.<br>RANGE: (MILES) 135 MILES WITH AIRCRAFT AT AN<br>ALTITUDE GREATER THAN 10,000 FT.<br>TO COMMUNICATE WITH: CONTROL SET SCR-561 BY TELE-<br>PHONE AND BY RADIO WITH FIGHTER AIRCRAFT<br>EQUIPPED WITH RADIO SET SCR-522.<br>TO REPLACE IN PART:<br>TRANSPORTATION: TWO (2) TRAILERS. EACH TRAILER<br>K-35 HAS 3 EACH TRANSMITTERS BC-640, MAKING A<br>TOTAL OF 6.<br>TYPE OF SIGNAL: VOICE MCW |                |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
|  | <p>TRANSMITTING EQUIPMENT KE-1-A. PART OF RADIO SET SCR-562<br/>LOCATION OF TRANSMITTERS IN TRAILER K-35</p> <p>SAME AS RADIO SET SCR-632 EXCEPT SEMI-MOBILE. TECHNICAL CHARACTERISTICS: TRANS-<br/>MITTER BC-640 HAS PROVISIONS FOR BOTH LOCAL AND REMOTE MODULATION. PLATE VOLTAGE<br/>RELAY ACTUATED THROUGH THE MICROPHONE CIRCUIT TO PREVENT CARRIER RADIATION WHEN<br/>NOT BEING MODULATED.</p> <p>SIX (6) INCOMING WIRE LINES ARE BROUGHT INTO THE CONTROL UNIT RM-27 (MONITOR<br/>UNIT) AND THEN TO THE INPUT OF THE TRANSMITTER BC-640. THE CONTROL UNIT RM-27 HAS<br/>PROVISIONS FOR PATCHING THE INCOMING LINE TO THE SIX (6) TRANSMITTERS, MONITORING<br/>AND ADJUSTING THE VOLUME OF THE INCOMING SIGNAL TO THE TRANSMITTER. INTERCOMMUNI-<br/>CATION WITH THE OPERATIONS BLOCK IS ALSO PROVIDED. SIX (6) TRANSMITTERS ARE PRO-<br/>VIDED BY PATCHING TOGETHER THE TWO (2) TRAILERS K-35.</p> | <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
|                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <table border="1"> <thead> <tr> <th rowspan="2">ITEM</th><th colspan="3">DIMENSIONS</th><th rowspan="2">WEIGHT</th><th rowspan="2">CLASSIFICATION</th></tr> <tr> <th>HEIGHT</th><th>WIDTH</th><th>DEPTH</th></tr> </thead> <tbody> <tr> <td>6 TRANSMITTERS BC-640 (1 SPARE)</td><td>72"</td><td>21"</td><td>20"</td><td>515#</td><td></td></tr> <tr> <td>2 CONTROL UNITS RM-27</td><td>19"</td><td>11 3/8"</td><td>18 1/2"</td><td>29#</td><td></td></tr> <tr> <td>2 POWER UNITS PE-99</td><td>55"</td><td>28"</td><td>50"</td><td>1600#</td><td></td></tr> <tr> <td>8 ANTENNA EQUIPMENT RC-81</td><td>12"</td><td>28 5/8"</td><td>38 1/2"</td><td>4#</td><td></td></tr> <tr> <td>2 TRAILERS K-35 EACH</td><td>120"</td><td>96"</td><td>19 1/4"</td><td>6500#</td><td></td></tr> <tr> <td>2 ONE-TON CARGO TRAILERS</td><td>72"</td><td>72"</td><td>14 1/4"</td><td>1300 #</td><td></td></tr> <tr> <td>4 ANTENNA AN-56 EACH</td><td>188"</td><td>43 1/2"</td><td>25 3/4"</td><td>2000#</td><td></td></tr> <tr> <td>MADE UP - BOX 1</td><td>76 1/2"</td><td>91 1/2"</td><td>23 1/2"</td><td>667#</td><td></td></tr> <tr> <td>BOX 2</td><td>13 1/2"</td><td>5 1/2"</td><td>14 7/8"</td><td>190#</td><td></td></tr> <tr> <td>BOX 3</td><td>37 1/2"</td><td>26 1/2"</td><td>17 1/2"</td><td>490#</td><td></td></tr> <tr> <td>BOX 4</td><td>36 5/8"</td><td>34 3/4"</td><td>17 1/2"</td><td>495#</td><td></td></tr> <tr> <td>BOX 5</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td><td></td><td></td><td></td><td>43000 LBS</td><td></td></tr> <tr> <td>COMBINED VOLUME OF COMPONENTS:</td><td></td><td></td><td></td><td>5100 CU. FT.</td><td></td></tr> <tr> <td>SHIP TONNAGE:</td><td></td><td></td><td></td><td>21 1/2</td><td>TON.</td></tr> </tbody> </table> | ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DIMENSIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |  | WEIGHT | CLASSIFICATION | HEIGHT | WIDTH | DEPTH | 6 TRANSMITTERS BC-640 (1 SPARE) | 72" | 21" | 20" | 515# |  | 2 CONTROL UNITS RM-27 | 19" | 11 3/8" | 18 1/2" | 29# |  | 2 POWER UNITS PE-99 | 55" | 28" | 50" | 1600# |  | 8 ANTENNA EQUIPMENT RC-81 | 12" | 28 5/8" | 38 1/2" | 4# |  | 2 TRAILERS K-35 EACH | 120" | 96" | 19 1/4" | 6500# |  | 2 ONE-TON CARGO TRAILERS | 72" | 72" | 14 1/4" | 1300 # |  | 4 ANTENNA AN-56 EACH | 188" | 43 1/2" | 25 3/4" | 2000# |  | MADE UP - BOX 1 | 76 1/2" | 91 1/2" | 23 1/2" | 667# |  | BOX 2 | 13 1/2" | 5 1/2" | 14 7/8" | 190# |  | BOX 3 | 37 1/2" | 26 1/2" | 17 1/2" | 490# |  | BOX 4 | 36 5/8" | 34 3/4" | 17 1/2" | 495# |  | BOX 5 |  |  |  |  |  | COMBINED WEIGHT OF COMPONENTS: |  |  |  | 43000 LBS |  | COMBINED VOLUME OF COMPONENTS: |  |  |  | 5100 CU. FT. |  | SHIP TONNAGE: |  |  |  |
| ITEM                                                                             | DIMENSIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | WEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CLASSIFICATION |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
|                                                                                  | HEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | WIDTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DEPTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
| 6 TRANSMITTERS BC-640 (1 SPARE)                                                  | 72"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 21"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 515#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
| 2 CONTROL UNITS RM-27                                                            | 19"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 11 3/8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 18 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 29#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
| 2 POWER UNITS PE-99                                                              | 55"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 28"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 50"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1600#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
| 8 ANTENNA EQUIPMENT RC-81                                                        | 12"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 28 5/8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 38 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
| 2 TRAILERS K-35 EACH                                                             | 120"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 96"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 19 1/4"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6500#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
| 2 ONE-TON CARGO TRAILERS                                                         | 72"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 72"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 14 1/4"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1300 #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
| 4 ANTENNA AN-56 EACH                                                             | 188"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 43 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 25 3/4"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2000#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
| MADE UP - BOX 1                                                                  | 76 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 91 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 23 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 667#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
| BOX 2                                                                            | 13 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 14 7/8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 190#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
| BOX 3                                                                            | 37 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 26 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 17 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 490#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
| BOX 4                                                                            | 36 5/8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 34 3/4"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 17 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 495#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
| BOX 5                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
| COMBINED WEIGHT OF COMPONENTS:                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 43000 LBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
| COMBINED VOLUME OF COMPONENTS:                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5100 CU. FT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |
| SHIP TONNAGE:                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 21 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TON.           |  |        |                |        |       |       |                                 |     |     |     |      |  |                       |     |         |         |     |  |                     |     |     |     |       |  |                           |     |         |         |    |  |                      |      |     |         |       |  |                          |     |     |         |        |  |                      |      |         |         |       |  |                 |         |         |         |      |  |       |         |        |         |      |  |       |         |         |         |      |  |       |         |         |         |      |  |       |  |  |  |  |  |                                |  |  |  |           |  |                                |  |  |  |              |  |               |  |  |  |

THIS SHEET IS CLASSIFIED: RESTRICTED

**SCR-563**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

INSTRUCTIONAL LITERATURE:

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

FREQUENCY RANGE: (MO) 100 - 156

NUMBER OF CRYSTALS: 5 IN USE (FULL XTAL COMPLEMENT  
TO BE DETERMINED BY AAF).PRESET FREQUENCIES: 6 RECEIVERS BC-639 CONTAINED IN  
SCR-563 ARE NOT CRYSTAL CONTROLLED BUT ARE CALI-  
BRATED BY MEANS OF THE FREQUENCY METER BC-638. THE  
FREQUENCY METER IS SET UP FOR 5 CRYSTALS WHICH ARE  
SELECTED BY MEANS OF A 5-POINT SWITCH. 1 XTAL IS  
NEEDED FOR EACH FREQUENCY.

ANTENNA: VERTICAL DIPOLES MOUNTED ON 90' MAST.

TUNING: (MO OR XTAL) VARIABLE

SENSITIVITY: 2-3  $\mu$ V/METER 50 MW OUTPUT.SELECTIVITY: 2 TIMES DOWN LESS 100 KC. 1000 TIMES  
DOWN MORE 350 KC.POWER SOURCE: POWER UNIT PE-99 (7 1/2 KVA 110V 3 PHASE  
60 CYCLE); ALSO HAS PROVISIONS FOR USING COMMERCIAL  
POWER FROM A 110V 2 WIRE SERVICE.

SIMILAR SETS: SCR-633 (FIXED)

POWER OUTPUT: (WATTS) 1 (DISTORTED). 1/2 (10% DIS-  
TORTION.)

TUBES: (TYPE AND NUMBER) RECEIVING SET FOR SCS-2.

6 BC-639-A; 1B 9003; 6 9002; 2L 6S07; 6 6K6GT;  
5 6SK7; 1 BC-638-A; 1 5V4G; 1 9002; 2 9003;  
1 6L5G; 1 6E5; 1 6SK7. 6 RA-42-A; 6 5V4G.**PART B - TACTICAL CHARACTERISTICS**(CLASSIFICATION: **RESTRICTED**)USE: VHF RADIO RECEIVING STATION FOR GROUND CON-  
TROL OF INTERCEPTOR PURSUIT OPERATIONS.  
PART OF CONTROL NET SYSTEM SCS-2. PROVIDES  
5 CHANNELS OF RADIO RECEIVING.RANGE: (MILES) DETERMINED BY OUTPUT OF AIRBORNE  
TRANSMITTER.TO COMMUNICATE WITH: CONTROL SET SCR-561 BY TELE-  
PHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPP-  
ED WITH RADIO SET SCR-522.

TO REPLACE IN PART:

TRANSPORTATION: 1 TRAILER K-35. 1 ONE-TON CARGO  
TRAILER.TYPE OF SIGNAL: RECEIVERS VOICE, TONE MODULATED  
SIGNAL AND CW.CHANGE IN  
STATUS:**PART C - PRINCIPAL COMPONENTS**  
(CLASSIFICATION: **RESTRICTED**)

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

1 TRAILER K-35

120"

96"

19 1/4"

6500#

1 ONE-TON CARGO TRAILER

72"

72"

1 1/4"

1300#

6 RECEIVERS BC-639 (1 SPARE)

10 1/2"

19"

13 1/4"

36#

1 CONTROL UNIT RU-23

5"

19"

8 1/2"

18#

5 ANTENNA EQUIPMENT RC-81 2 EACH

12"

26 1/2"

36 1/2"

14#

1 POWER UNIT PE-99

55"

28"

50"

1600#

1 FREQUENCY METER BC-638

11 1/2"

19"

7"

35#

6 RECTIFIER RA-42 (1 SPARE)

7"

19"

8 1/2"

26#

3 SOCKET PANEL PN-4

10 1/2"

19"

3 1/8"

74

1 FUSE PANEL PM-15

5"

19"

5"

24#

4 ANTENNA AN-56 EACH MADE UP:

Box - 1

158"

43 1/2"

25 3/4"

2000#

Box - 2

76 1/2"

91 1/2"

23 1/2"

667#

Box - 3

13 1/2"

5 1/2"

11 1/2"

190#

Box - 4

35 1/2"

26 1/2"

17 1/2"

490#

Box - 5

36 5/8"

34 3/4"

17 1/2"

495#

COMBINED WEIGHT OF COMPONENTS

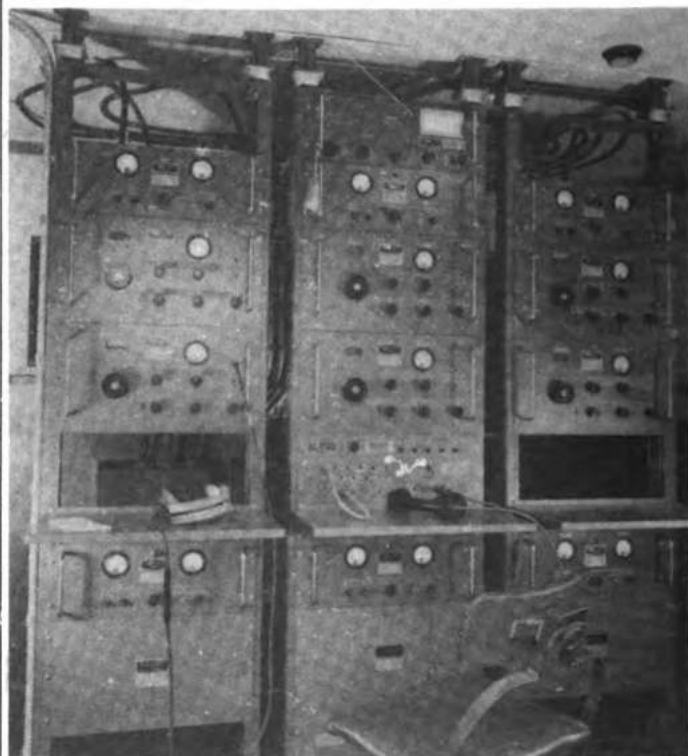
29,000 #

COMBINED VOLUME OF COMPONENTS

3000 cu. ft.

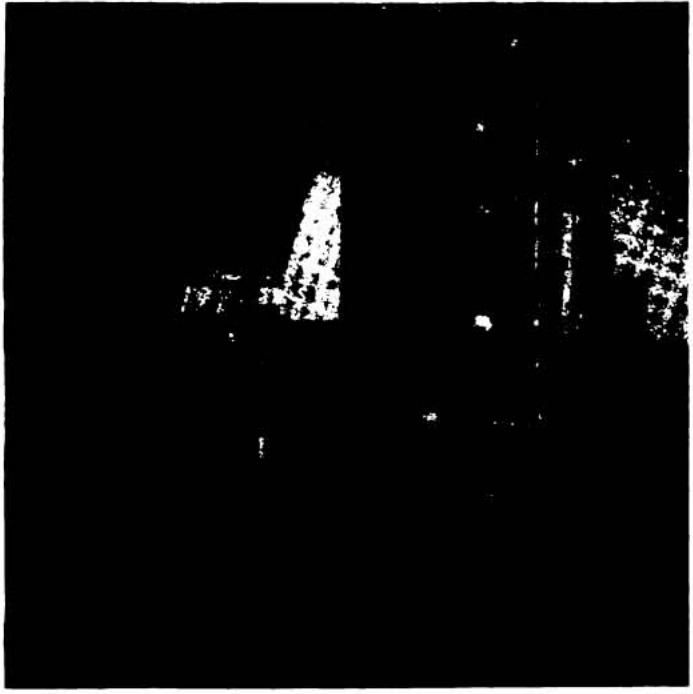
SHIP TONNAGE:

14 1/2 T

RECEIVING EQUIPMENT KE-2-A, PART OF RADIO SET SCR-563  
OPERATOR'S POSITION.CONTROLLER LOCATED AT THE OPERATIONS BLOCK (SCR-561) COMMUNICATES  
WITH PILOT BY MEANS OF THE RECEIVER OF THE SCR-563 OVER WIRE LINE  
CONNECTIONS.

|                           |                      |                                   |                                                              |                              |                |
|---------------------------|----------------------|-----------------------------------|--------------------------------------------------------------|------------------------------|----------------|
| INSTRUCTIONAL LITERATURE: | STATUS:              | STANDARD<br>AS COMPONENT OF SCS-2 | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION. | NOMENCLATURE<br>DESIGNATION: | <b>SCR-564</b> |
|                           | CHANGE IN<br>STATUS: |                                   |                                                              |                              |                |



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

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

FREQUENCY RANGE: (MC) 100-156

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

PRESET FREQUENCIES: TWO (2) (SEE BELOW)

ANTENNA: ADDOOK-DIRECTIONAL D/F WITH SENSE

TUNING: (MC OR XTAL) VARIABLE

SENSITIVITY: 2-3 MICROVOLTS/METER AT 50MH.

SELECTIVITY: 2 TIMES DOWN LESS 100 KG.  
1000 TIMES DOWN MORE 350 KG.

POWER SOURCE: POWER UNIT PE-99 (7½ KVA 110V. 60 CY-  
CLE 3 PHASE. ALSO PROVISIONS FOR USING COMMEN-  
DIAL POWER FROM A 110V 2 WIRE SERVICE.

SIMILAR SETS:

POWER OUTPUT: (WATTS) 1 WATT (DISTORTED) ½ (10%  
DISTORTION)

TUBES: (TYPE AND NUMBER) 1 BC-638 - 1 5V4G; 1 9002;  
2 9003; 1 6L5G; 1 6E5; 1 6SK7. 2 BC-639 - 6 9003;  
2 9002; 8 6SQ7; 2 6SQ7; 2 6K6GT. 2 RA-42 -  
2 5V4G.

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

USE: SECTOR HOMING D/F STATION FOR GROUND CONTROL  
OF INTERCEPTOR PURSUIT OPERATIONS. PART OF  
CONTROL NET SYSTEM SCS-2. BY UTILIZING A SEC-  
TOR TRANSMITTER THE D/F OPERATOR HOMES THE  
AIRCRAFT BY THE "TALK DOWN METHOD".

RANGE: (MILES) DETERMINED BY OUTPUT OF AIRBORNE  
TRANSMITTER AND HEIGHT OF AIRCRAFT.

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

TO REPLACE IN PART:

TRANSPORTATION: NONE

TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED  
SIGNAL AND CW.

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

| ITEM                                    | DIMENSIONS |       |         | WEIGHT   | CLASSIFICATION |
|-----------------------------------------|------------|-------|---------|----------|----------------|
|                                         | HEIGHT     | WIDTH | DEPTH   |          |                |
| (PACKED IN 12 BOXES TOTAL 1983 CU. FT.) |            |       |         |          |                |
| 1 TOWER TR-17                           |            |       |         | 21,146#  | RESTRICTED     |
| 1 POWER UNIT PE-99                      | 55"        | 28"   | 50"     | 1600     | RESTRICTED     |
| 1 SHELTER HO-3                          | 24"        | 60"   | 72"     | 626      | RESTRICTED     |
| 2 RECEIVERS BC-639                      | 10 1/2"    | 19"   | 13 1/4" | 36       | RESTRICTED     |
| 2 RECTIFIER RA-42                       | 7"         | 19"   | 8 5/8"  | 26       | RESTRICTED     |
| 1 FREQUENCY METER BC-638                | 11 1/2"    | 19"   | 7"      | 35       | RESTRICTED     |
| 1 SOCKET PANEL PN-4                     | 10 1/2"    | 19"   | 3/8"    | 7        | RESTRICTED     |
| 1 FUSE PANEL PN-15                      | 5"         | 19"   | 5"      | 24       | RESTRICTED     |
| 1 ANTENNA EQUIPMENT RC-82               |            |       |         | 150      | RESTRICTED     |
| 1 CONTROL UNIT RM-24                    | 5"         | 19"   | 11"     | 21       | RESTRICTED     |
| COMBINED WEIGHT OF COMPONENTS:          |            |       |         | 33,500#  |                |
| COMBINED VOLUME:                        |            |       |         | 2200 FT. |                |
| SHIP TONNAGE:                           |            |       |         | 16 3/4   |                |

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

THIS SHEET IS CLASSIFIED: **RESTRICTED****SCR-565**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION

STATUS:

STANDARD  
AS COMPONENT OF SCS-2

INSTRUCTIONAL LITERATURE:

## PART A - TECHNICAL CHARACTERISTICS

(CLASSIFICATION: **RESTRICTED**)

FREQUENCY RANGE: (MO) 100-156

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

PRESET FREQUENCIES: 2 SEE NOTE \*

ANTENNA: VERTICAL ADDOOK D/F WITH SENSING FACILITIES.

TUNING: (MO OR XTAL) VARIABLE

SENSITIVITY: SELECTIVITY:

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

SIMILAR SETS:

POWER OUTPUT: (WATTS) 1 WATT (DISTORTED) ½ WATT (10% DISTORTION)

TUBES: (TYPE AND NUMBER) 1 BC-638 - 1 5V4G; 1 9002; 2 9003; 1 6L5B; 1 6E5; 1 6SK7. 2 BC-639 - 6 9003; 2 9002; 8 6SG7; 2 6SQ7; 2 6K6GT. 2 RA-42 - 2 5V4G.

## PART B - TACTICAL CHARACTERISTICS

(CLASSIFICATION: **RESTRICTED**)

USE: D/F FIXED STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCS-2. TWO OR MORE RADIO SETS SCR-565 ARE USED FOR DETERMINING AZIMUTH BEARING OF AIRCRAFT EQUIPPED WITH RADIO SET SCR-522. SIMULTANEOUS BEARINGS ARE TAKEN AND TELEPHONED TO THE OPERATIONS BLOCK (SCR-561) AND BY TRIANGULATION, THE POSITION OF THE AIRCRAFT IS FIXED.

RANGE: (MILES)

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

TO REPLACE IN PART:

TRANSPORTATION: NONE

TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED SIGNAL AND CW.

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

ITEM

## DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

(PACKED IN 12 BOXES)

1 TOWER TR-17

TOTAL

1983 CU.

FT.

21,146#

RESTRICTED

1 SHELTER HQ-3 (KNOCKED DOWN)

24"

60"

72"

626#

RESTRICTED

1 POWER UNIT PE-99

55"

28"

50"

1,600

RESTRICTED

1 RADIO RECEIVING EQUIP. RC-79

60"

24"

12"

300

RESTRICTED

1 ANTENNA EQUIPMENT RC-82

150

RESTRICTED

COMBINED WEIGHT OF COMPONENTS:

33,500#

APPROXIMATELY

COMBINED VOLUME:

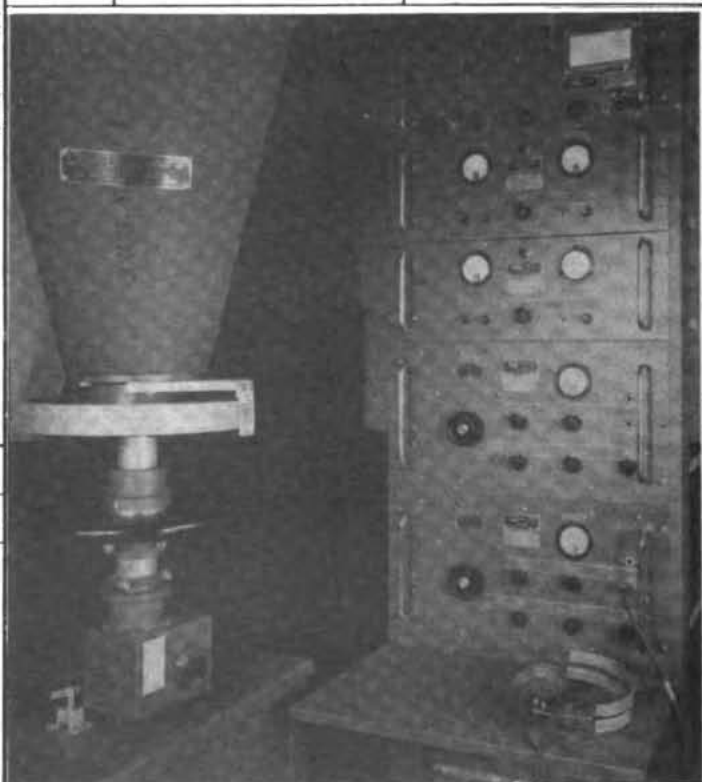
2,200

CU. FT. "

SHIP TONNAGE:

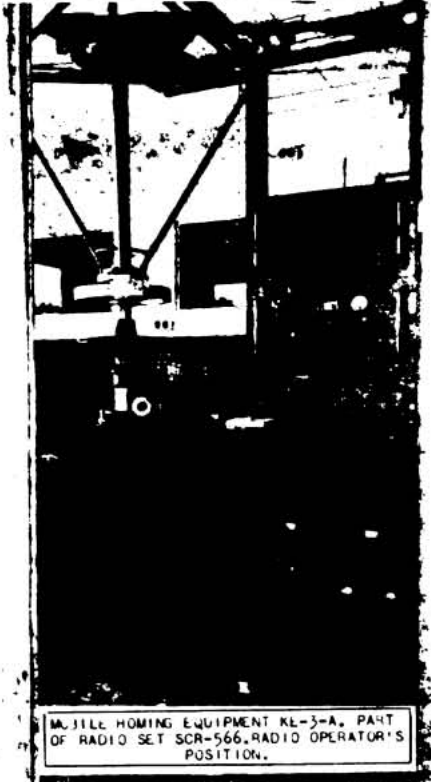
16 3/4

TONS "



RADIO SET SCR-565  
Operator's Position

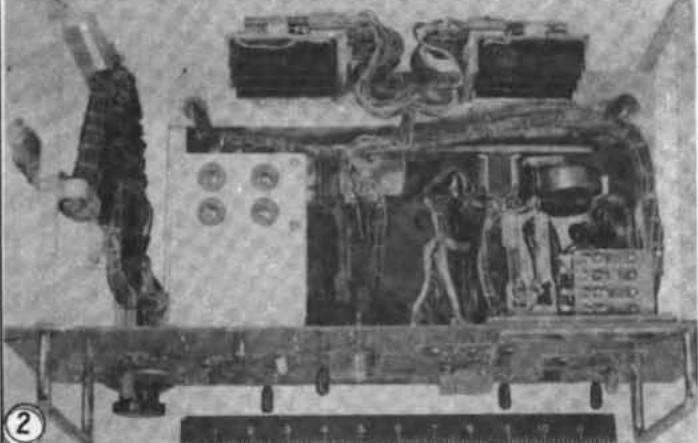
\*PRESET FREQUENCIES: CRYSTALS ARE CONTAINED IN THE FREQUENCY METER BC-638 USED TO CALIBRATE AND ADJUST THE RECEIVER BC-639. THE RECEIVER BC-639 IS NOT CRYSTAL CONTROLLED. THE FREQUENCY METER BC-638 CAN BE SET UP ON 5 DIFFERENT CRYSTAL CONTROLLED FREQUENCIES AT ONE TIME AND THE DESIRED XTAL SELECTED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

| INSTRUCTIONAL LITERATURE:                                                          | STATUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION | NOMENCLATURE<br>DESIGNATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <h1>SCR-566</h1> |             |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|----------------|
|                                                                                    | CHANGE IN<br>STATUS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |             |                |
|  | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION <b>RESTRICTED</b> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION <b>RESTRICTED</b> )                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |             |                |
|                                                                                    | FREQUENCY RANGE: (MC) 100 - 156<br>NUMBER OF CRYSTALS: 9 IN USE (FULL XTAL COMPLEMENT TO BE DETERMINED BY AAF)<br>PRESET FREQUENCIES: 9 (4 IN BC-624; 4 IN BC-625; 1 IN BC-638).<br>ANTENNA: VERTICAL ADcock D/F WITH SENSING FACILITIES.<br>TUNING (MC OR XTAL) BC-624; BC-625; XTAL: BC-639 VARIABLE.<br>SENSITIVITY: 2-3 MICROVOLTS/METER AT 50 MM.<br>SELECTIVITY: 2 TIMES DOWN LESS 100 KC.<br>1000 TIMES DOWN MORE 350 KC.<br>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.<br>SIMILAR SETS: RADIO SET SCR-575.<br>POWER OUTPUT: (WATTS) TRANSMITTER BC-625 OUTPUT 0 WATTS MINIMUM.<br>TUBES: (TYPE AND NUMBER) SEE NOTE *. |                                                             | USE: MOBILE D/F STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATION. PART OF CONTROL NET SYSTEM SCUS-2. USED AS A MOBILE HOMING AND D/F STATION FOR PLANES EQUIPPED WITH RADIO SET SCR-522.<br>RANGE: (MILES) 135 MILES WITH AIRCRAFT AT 10,000 FEET.<br>TO COMMUNICATE WITH: CONTROL SET SCR-561 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH RADIO SET SCR-522.<br>TO REPLACE IN PART:<br>TRANSPORTATION: ONE (1) TRUCK K-53, 1 TRAILER K-63 (POWER)<br>TYPE OF SIGNAL: VOICE AND ACH. |                  |             |                |
|                                                                                    | <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION <b>RESTRICTED</b> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |             |                |
| ITEM                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DIMENSIONS                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  | WEIGHT      | CLASSIFICATION |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | HEIGHT                                                      | WIDTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DEPTH            |             |                |
| 1 TRUCK K-53                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 130"                                                        | 96"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 256"             | 13,505 #    |                |
| 1 ANTENNA EQUIPMENT RC-63                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  | 100 #       |                |
| 1 ONE-TON CARGO TRAILER                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 72"                                                         | 72"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 114"             | 1,300 #     |                |
| 1 RECEIVER BC-639                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10 1/2"                                                     | 19"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 13 1/2"          | 36 #        |                |
| 1 DYNAMOTOR UNIT PN-100                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6"                                                          | 19"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10 1/2"          | 23 #        |                |
| 1 DYNAMOTOR UNIT PE-96                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6 1/2"                                                      | 9"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6 1/2"           | 30 #        |                |
| 1 RECEIVER BC-624                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6"                                                          | 15 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 9"               | 14 1/2 #    |                |
| 1 TRANSMITTER BC-625                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5"                                                          | 15 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 9"               | 16 1/2 #    |                |
| 1 CONTROL UNIT RC-18                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5"                                                          | 19"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6 3/4"           | 16 #        |                |
| 1 POWER UNIT PE-99                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 55"                                                         | 26"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 50"              | 1,600 #     |                |
| 1 CONTROL BOX BC-602                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5"                                                          | 5 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2 1/2"           | 2 #         |                |
| 1 OSCILLATOR TEST EQUIPMENT RC-93 (BC-655)                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10 1/2"                                                     | 9"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6 3/4"           | 12 #        |                |
| COMBINED WEIGHT OF COMPONENTS                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  | 16,000 #    | APPROXIMATELY  |
| COMBINED VOLUME OF COMPONENTS                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  | 250 CU. FT. | "              |
| SHIP TONNAGE                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  | 4 TONS      | "              |

SCR-566 USED RECEIVER BC-639 FOR D/F. CONTAINS COMPONENTS OF SCR-522 FOR COMMUNICATION WITH AIRCRAFT. RADIO COMPONENTS ALSO OPERATE FROM STORAGE BATTERY POWER. D/F ANTENNA IS USED FOR BOTH D/F AND COMMUNICATION.

\*TUBES: (TYPE AND NUMBER) 1 BC-624-A; 1 9002; 3 9003; 1 12J5GT; 1 12CB; 5 12SG7; 1 12AH7GT. 1 BC-625-A; 1 606G; 3 12AB; 2 632-A; 2 6SS7. 1 BC-639 - 3 9003; 1 9002; 4 65W7; 1 6X6GT. 1 BC-655 - 1 956; 1 A5GT.

**PAGE 90**

| INSTRUCTIONAL LITERATURE:                                                         | STATUS:              | STANDARD<br>20 Nov 43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | NOMENCLATURE<br>DESIGNATION: | <b>SCR-572</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |            |  |  |        |                |        |       |       |                            |     |         |         |     |  |                            |         |    |    |     |  |                           |         |     |    |     |  |                           |     |     |     |     |  |                              |    |         |         |     |  |                |      |     |         |       |  |                                 |     |     |         |       |  |                                      |     |     |         |       |  |                     |    |     |         |     |  |                                |  |  |  |             |  |                  |  |  |  |               |  |               |  |  |  |         |  |
|-----------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|--|--|--------|----------------|--------|-------|-------|----------------------------|-----|---------|---------|-----|--|----------------------------|---------|----|----|-----|--|---------------------------|---------|-----|----|-----|--|---------------------------|-----|-----|-----|-----|--|------------------------------|----|---------|---------|-----|--|----------------|------|-----|---------|-------|--|---------------------------------|-----|-----|---------|-------|--|--------------------------------------|-----|-----|---------|-------|--|---------------------|----|-----|---------|-----|--|--------------------------------|--|--|--|-------------|--|------------------|--|--|--|---------------|--|---------------|--|--|--|---------|--|
|                                                                                   | CHANGE IN<br>STATUS: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> )<br>FREQUENCY RANGE: (MC) THE CONTROL SET SCR-572 IS AN OPERATIONS BLOCK OF A FIGHTER CONTROL SYSTEM AND CONTAINS NO RADIO EQUIPMENT.<br>NUMBER OF CRYSTALS: NONE<br>PRESET FREQUENCIES: NONE<br>ANTENNA: NONE<br>TUNING: (MC OR XTAL) NONE<br>SENSITIVITY:<br>SELECTIVITY:<br>POWER SOURCE: POWER UNIT PE-99 (7½ KVA 110V 3 PHASE 60 CYCLE) ALSO HAS PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE.<br>SIMILAR SETS: CONTROL SET SCR-642 (FIXED)<br>POWER OUTPUT: (WATTS)<br>TUBES: (TYPE AND NUMBER) 3-8C-687; 12-25L6. |                              | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> )<br>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.<br><br>RANGE: (MILES) MINIMUM OF 135 MILES WITH AIRCRAFT AT 10,000 FT.<br>TO COMMUNICATE WITH: SCR-573 SCR-574 SCR-575 AND WITH AIRCRAFT EQUIPPED WITH SCR-522<br>TO REPLACE IN PART:<br>TRANSPORTATION: TRAILER K-55; 1½ TON TRACTOR TRUCK; 1 TON CARGO TRAILER.<br>TYPE OF SIGNAL: |      |            |  |  |        |                |        |       |       |                            |     |         |         |     |  |                            |         |    |    |     |  |                           |         |     |    |     |  |                           |     |     |     |     |  |                              |    |         |         |     |  |                |      |     |         |       |  |                                 |     |     |         |       |  |                                      |     |     |         |       |  |                     |    |     |         |     |  |                                |  |  |  |             |  |                  |  |  |  |               |  |               |  |  |  |         |  |
|   |                      | <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |            |  |  |        |                |        |       |       |                            |     |         |         |     |  |                            |         |    |    |     |  |                           |         |     |    |     |  |                           |     |     |     |     |  |                              |    |         |         |     |  |                |      |     |         |       |  |                                 |     |     |         |       |  |                                      |     |     |         |       |  |                     |    |     |         |     |  |                                |  |  |  |             |  |                  |  |  |  |               |  |               |  |  |  |         |  |
|  |                      | <table border="1"> <thead> <tr> <th rowspan="2">ITEM</th><th colspan="3">DIMENSIONS</th><th rowspan="2">WEIGHT</th><th rowspan="2">CLASSIFICATION</th></tr> <tr> <th>HEIGHT</th><th>WIDTH</th><th>DEPTH</th></tr> </thead> <tbody> <tr> <td>3 CONTROL UNITS RM-25-EACH</td><td>20"</td><td>11 1/4"</td><td>11 1/4"</td><td>44#</td><td></td></tr> <tr> <td>2 CONTROL UNITS RM-26 EACH</td><td>11 7/8"</td><td>9"</td><td>8"</td><td>20#</td><td></td></tr> <tr> <td>1 CONTROL UNIT RM-26 EACH</td><td>14 1/2"</td><td>12"</td><td>7"</td><td>35#</td><td></td></tr> <tr> <td>3 SWITCHBOARDS 80-72 EACH</td><td>12"</td><td>12"</td><td>24"</td><td>68#</td><td></td></tr> <tr> <td>20 TELEPHONE REPEATERS EE-99</td><td>8"</td><td>14 1/2"</td><td>11 1/2"</td><td>47#</td><td></td></tr> <tr> <td>1 TRAILER K-55</td><td>120"</td><td>96"</td><td>25 1/4"</td><td>8500#</td><td></td></tr> <tr> <td>1 ONE-TON CARGO TRAILER (POWER)</td><td>72"</td><td>72"</td><td>14 1/4"</td><td>2860#</td><td></td></tr> <tr> <td>1 ONE-AND-ONE-HALF TON TRACTOR TRUCK</td><td>84"</td><td>84"</td><td>20 1/4"</td><td>8000#</td><td></td></tr> <tr> <td>3 RELAY UNIT 8C-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>4,000 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 1/4" | 11 1/4" | 44# |  | 2 CONTROL UNITS RM-26 EACH | 11 7/8" | 9" | 8" | 20# |  | 1 CONTROL UNIT RM-26 EACH | 14 1/2" | 12" | 7" | 35# |  | 3 SWITCHBOARDS 80-72 EACH | 12" | 12" | 24" | 68# |  | 20 TELEPHONE REPEATERS EE-99 | 8" | 14 1/2" | 11 1/2" | 47# |  | 1 TRAILER K-55 | 120" | 96" | 25 1/4" | 8500# |  | 1 ONE-TON CARGO TRAILER (POWER) | 72" | 72" | 14 1/4" | 2860# |  | 1 ONE-AND-ONE-HALF TON TRACTOR TRUCK | 84" | 84" | 20 1/4" | 8000# |  | 3 RELAY UNIT 8C-687 | 9" | 19" | 12 1/2" | 35# |  | COMBINED WEIGHT OF COMPONENTS: |  |  |  | 20,000 LBS. |  | COMBINED VOLUME: |  |  |  | 4,000 CU. FT. |  | SHIP TONNAGE: |  |  |  | 10 TONS |  |
| ITEM                                                                              | DIMENSIONS           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WEIGHT                       | CLASSIFICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |            |  |  |        |                |        |       |       |                            |     |         |         |     |  |                            |         |    |    |     |  |                           |         |     |    |     |  |                           |     |     |     |     |  |                              |    |         |         |     |  |                |      |     |         |       |  |                                 |     |     |         |       |  |                                      |     |     |         |       |  |                     |    |     |         |     |  |                                |  |  |  |             |  |                  |  |  |  |               |  |               |  |  |  |         |  |
|                                                                                   | HEIGHT               | WIDTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DEPTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |            |  |  |        |                |        |       |       |                            |     |         |         |     |  |                            |         |    |    |     |  |                           |         |     |    |     |  |                           |     |     |     |     |  |                              |    |         |         |     |  |                |      |     |         |       |  |                                 |     |     |         |       |  |                                      |     |     |         |       |  |                     |    |     |         |     |  |                                |  |  |  |             |  |                  |  |  |  |               |  |               |  |  |  |         |  |
| 3 CONTROL UNITS RM-25-EACH                                                        | 20"                  | 11 1/4"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 11 1/4"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 44#                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |            |  |  |        |                |        |       |       |                            |     |         |         |     |  |                            |         |    |    |     |  |                           |         |     |    |     |  |                           |     |     |     |     |  |                              |    |         |         |     |  |                |      |     |         |       |  |                                 |     |     |         |       |  |                                      |     |     |         |       |  |                     |    |     |         |     |  |                                |  |  |  |             |  |                  |  |  |  |               |  |               |  |  |  |         |  |
| 2 CONTROL UNITS RM-26 EACH                                                        | 11 7/8"              | 9"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20#                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |            |  |  |        |                |        |       |       |                            |     |         |         |     |  |                            |         |    |    |     |  |                           |         |     |    |     |  |                           |     |     |     |     |  |                              |    |         |         |     |  |                |      |     |         |       |  |                                 |     |     |         |       |  |                                      |     |     |         |       |  |                     |    |     |         |     |  |                                |  |  |  |             |  |                  |  |  |  |               |  |               |  |  |  |         |  |
| 1 CONTROL UNIT RM-26 EACH                                                         | 14 1/2"              | 12"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 35#                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |            |  |  |        |                |        |       |       |                            |     |         |         |     |  |                            |         |    |    |     |  |                           |         |     |    |     |  |                           |     |     |     |     |  |                              |    |         |         |     |  |                |      |     |         |       |  |                                 |     |     |         |       |  |                                      |     |     |         |       |  |                     |    |     |         |     |  |                                |  |  |  |             |  |                  |  |  |  |               |  |               |  |  |  |         |  |
| 3 SWITCHBOARDS 80-72 EACH                                                         | 12"                  | 12"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 24"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 68#                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |            |  |  |        |                |        |       |       |                            |     |         |         |     |  |                            |         |    |    |     |  |                           |         |     |    |     |  |                           |     |     |     |     |  |                              |    |         |         |     |  |                |      |     |         |       |  |                                 |     |     |         |       |  |                                      |     |     |         |       |  |                     |    |     |         |     |  |                                |  |  |  |             |  |                  |  |  |  |               |  |               |  |  |  |         |  |
| 20 TELEPHONE REPEATERS EE-99                                                      | 8"                   | 14 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 11 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 47#                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |            |  |  |        |                |        |       |       |                            |     |         |         |     |  |                            |         |    |    |     |  |                           |         |     |    |     |  |                           |     |     |     |     |  |                              |    |         |         |     |  |                |      |     |         |       |  |                                 |     |     |         |       |  |                                      |     |     |         |       |  |                     |    |     |         |     |  |                                |  |  |  |             |  |                  |  |  |  |               |  |               |  |  |  |         |  |
| 1 TRAILER K-55                                                                    | 120"                 | 96"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 25 1/4"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8500#                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |            |  |  |        |                |        |       |       |                            |     |         |         |     |  |                            |         |    |    |     |  |                           |         |     |    |     |  |                           |     |     |     |     |  |                              |    |         |         |     |  |                |      |     |         |       |  |                                 |     |     |         |       |  |                                      |     |     |         |       |  |                     |    |     |         |     |  |                                |  |  |  |             |  |                  |  |  |  |               |  |               |  |  |  |         |  |
| 1 ONE-TON CARGO TRAILER (POWER)                                                   | 72"                  | 72"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 14 1/4"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2860#                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |            |  |  |        |                |        |       |       |                            |     |         |         |     |  |                            |         |    |    |     |  |                           |         |     |    |     |  |                           |     |     |     |     |  |                              |    |         |         |     |  |                |      |     |         |       |  |                                 |     |     |         |       |  |                                      |     |     |         |       |  |                     |    |     |         |     |  |                                |  |  |  |             |  |                  |  |  |  |               |  |               |  |  |  |         |  |
| 1 ONE-AND-ONE-HALF TON TRACTOR TRUCK                                              | 84"                  | 84"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 20 1/4"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8000#                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |            |  |  |        |                |        |       |       |                            |     |         |         |     |  |                            |         |    |    |     |  |                           |         |     |    |     |  |                           |     |     |     |     |  |                              |    |         |         |     |  |                |      |     |         |       |  |                                 |     |     |         |       |  |                                      |     |     |         |       |  |                     |    |     |         |     |  |                                |  |  |  |             |  |                  |  |  |  |               |  |               |  |  |  |         |  |
| 3 RELAY UNIT 8C-687                                                               | 9"                   | 19"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 12 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 35#                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |            |  |  |        |                |        |       |       |                            |     |         |         |     |  |                            |         |    |    |     |  |                           |         |     |    |     |  |                           |     |     |     |     |  |                              |    |         |         |     |  |                |      |     |         |       |  |                                 |     |     |         |       |  |                                      |     |     |         |       |  |                     |    |     |         |     |  |                                |  |  |  |             |  |                  |  |  |  |               |  |               |  |  |  |         |  |
| COMBINED WEIGHT OF COMPONENTS:                                                    |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 20,000 LBS.                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |            |  |  |        |                |        |       |       |                            |     |         |         |     |  |                            |         |    |    |     |  |                           |         |     |    |     |  |                           |     |     |     |     |  |                              |    |         |         |     |  |                |      |     |         |       |  |                                 |     |     |         |       |  |                                      |     |     |         |       |  |                     |    |     |         |     |  |                                |  |  |  |             |  |                  |  |  |  |               |  |               |  |  |  |         |  |
| COMBINED VOLUME:                                                                  |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4,000 CU. FT.                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |            |  |  |        |                |        |       |       |                            |     |         |         |     |  |                            |         |    |    |     |  |                           |         |     |    |     |  |                           |     |     |     |     |  |                              |    |         |         |     |  |                |      |     |         |       |  |                                 |     |     |         |       |  |                                      |     |     |         |       |  |                     |    |     |         |     |  |                                |  |  |  |             |  |                  |  |  |  |               |  |               |  |  |  |         |  |
| SHIP TONNAGE:                                                                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10 TONS                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |            |  |  |        |                |        |       |       |                            |     |         |         |     |  |                            |         |    |    |     |  |                           |         |     |    |     |  |                           |     |     |     |     |  |                              |    |         |         |     |  |                |      |     |         |       |  |                                 |     |     |         |       |  |                                      |     |     |         |       |  |                     |    |     |         |     |  |                                |  |  |  |             |  |                  |  |  |  |               |  |               |  |  |  |         |  |

(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 ALSO WITH THE AIRCRAFT OPERATOR. THIS SET ALSO CONTAINS FACILITIES FOR PLOTTING DATA RECEIVED FROM THE D/F STATION SCR-575.

THIS SHEET IS CLASSIFIED: **RESTRICTED****SCR-573**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 COMPLE-  
MENT 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 PE-99 (7½ KVA 110V 60  
CYCLE 3 PHASE); ALSO HAS PROVISIONS FOR USING  
COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE.

SIMILAR SETS: TRANS. STATION OF SCR-567.

POWER OUTPUT: (WATTS) 50

TUBES: (TYPE AND NUMBER) 2-8C640 TRANS; 16-5Z3;  
8-6J5; 6-1613; 4-811; 2-807; 1C-1K-214.  
1-RCA #155 OSCILLOSCOPE; 2-6C6; 2-80; 1-88L;  
1-3AP1/906-PT. 1-RCA #1B5 VOLTCMMYST; 2-6K6GT;  
1-6X5GT.**PART B - TACTICAL CHARACTERISTICS**(CLASSIFICATION: **RESTRICTED**)USE: TWO CHANNEL TRANS. STATION FOR THE GROUND  
CONTROL OF INTERCEPTOR PURSUIT OPERATION.  
PART OF CONTROL NET SYSTEM SCS-3.RANGE: (MILES) MINIMUM OF 135 MILES WITH AIRCRAFT  
AT 10,000 FT.TO COMMUNICATE WITH: CONTROL SET SCR-572, RADIO  
SETS SCR-574, 575 AND AIRCRAFT EQUIPPED WITH  
RADIO SET SCR-522.

TO REPLACE IN PART:

TRANSPORTATION: 1 TRUCK K-53 1 ONE-TON CARGO  
TRAILER.

TYPE OF SIGNAL: TRANSMITS VOICE AND MCW.

RADIO SET SCR-573 (RADIO TRANSMITTING STATION) PART OF NET CONTROL  
SYSTEM SCS-3, SHOWING TRAILER K-63 ATTACHED TO TRUCK K-53, PREPARED  
FOR TRAVELLING.**PART C - PRINCIPAL COMPONENTS**  
(CLASSIFICATION: **RESTRICTED**)

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

1 TRUCK K-53

130"

96"

256"

13,385

RESTRICTED

1 TRAILER K-63 (POWER)

72

72

144

2,600

RESTRICTED

2 TRANS. 8C-640 EACH

72

21

20

515

RESTRICTED

1 CONTROL UNIT RM-27

11 3/8

19

10 1/2

29

RESTRICTED

1 ANTENNA AN-86

PACKED IN 25 CU. FT.

PACKAGES

APPROX.

743

RESTRICTED

2 ANTENNA EQUIP. RC-81 EACH

12

28

38

4

RESTRICTED

COMBINED WEIGHT OF COMPONENTS:

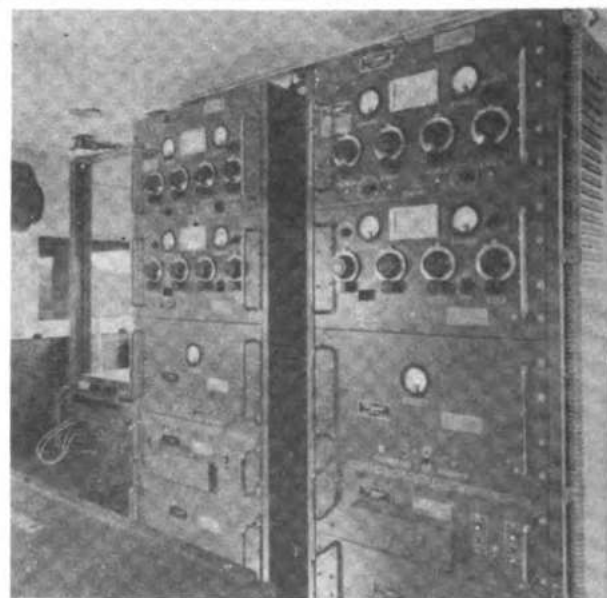
17,500# APPROX.

COMBINED VOLUME:

2,275 CU. FT. APPROX.

SHIP TONNAGE:

8 3/4 T APPROX.

RADIO SET SCR-573. INTERIOR VIEW SHOWING RADIO TRANSMITTERS  
8C-640 AND CONTROL UNIT RM-27.RADIO SET SCR-573 (RADIO TRANSMITTING STATION) IS SIMILAR IN  
OPERATION TO RADIO SET SCR-562, EXCEPT THAT IT CONTAINS TWO  
TRANSMITTERS 8C-640 INSTEAD OF A TOTAL OF SIX.

INSTRUCTIONAL LITERATURE:

STATUS:

STANDARD  
20 Nov 43NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATIONNOMENCLATURE  
DESIGNATION:**SCR-574**CHANGE IN  
STATUS:**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 76' MAST.

TUNING: (MO OR XTAL)

SENSITIVITY: 2-3MV/METER AT 50 MM SIGNAL RATIO  
10 TO 1.SELECTIVITY: 2 TIMES DOWN LESS 100 Kc. 1000  
TIMES DOWN MORE 350 Kc.POWER SOURCE: POWER UNIT PE-99 (7½ KVA 110V 3  
PHASE 60 CYCLE); ALSO HAS PROVISIONS FOR USING  
COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE.

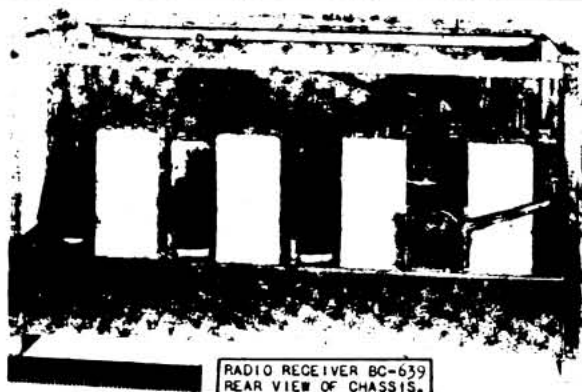
SIMILAR SETS: RECEIVER STATION OF SCR-567

POWER OUTPUT: (WATTS) Receiver BC-639 1 WATT  
(DISTORTED) ½ W (10% DISTORTION).TUBES: (TYPE AND NUMBER) BC-638: 1-6SK7; 1-9002;  
2-9003; 1-5V4G; 1-6L5G; 1-6E5. BC-639: 1-9002;  
3-9003; 1-6SK7; 1-6K6GT; 4-6SG7. BC-686: 3-25L6.  
RA-42: 1-5V4G.**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION **RESTRICTED**)USE: TWO CHANNEL RECEIVER STATION FOR GROUND  
CONTROL OF INTERCEPTOR PURSUIT OPERATIONS.  
PART OF CONTROL NET SYSTEM SCS-3.RANGE: (MILES) MINIMUM OF 135 MILES WITH AIRCRAFT  
AT 10,000 FT.TO COMMUNICATE WITH: CONTROL SET SCR-572  
RADIO SET SCR-573 AND AIRCRAFT EQUIPPED  
WITH SCR-522.

TO REPLACE IN PART:

TRANSPORTATION: 1 TRUCK K-53, 1 ONE-TON CARGO  
TRAILER.TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED  
AND C. W.**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)         |                      |          |         | 2,860                 | RESTRICTED     |
| 2 RECEIVERS BC-639 EACH        | 10 1/2               | 19       | 13 1/2  | 36                    | RESTRICTED     |
| 2 RECTIFIERS RA-42 EACH        | 7                    | 19       | 8 1/2   | 26                    | RESTRICTED     |
| 1 FREQUENCY METER BC-638       | 11 1/2               | 19       | 7       | 35                    | RESTRICTED     |
| 2 CONTROL UNITS RM-18 EACH     | 5                    | 19       | 8 3/4   | 16                    | RESTRICTED     |
| 2 AMPLIFIER BC-686 EACH        | 12                   | 19       | 11      | 36                    | RESTRICTED     |
| 1 FUSE PANEL PN-15             | 5                    | 19       | 5       | 24                    | RESTRICTED     |
| 1 FUSE PANEL PH-5              | 2 1/2                | 19       | 4 5/8   | 15                    | RESTRICTED     |
| 2 FRAMES FM-39 EACH            | 72                   | 20       | 3       | 121                   | RESTRICTED     |
| 1 ANTENNA AN-86                | PACKED IN 25 CU. FT. | PACKAGES | APPROX. | 743                   | RESTRICTED     |
| 2 ANTENNA EQUIPMENT RC-81      | 12                   | 28 1/2   | 38 1/2  | 4                     | RESTRICTED     |
| COMBINED WEIGHT OF COMPONENTS: |                      |          |         | 16,500# APPROX.       |                |
| COMBINED VOLUME:               |                      |          |         | 2,275 CU. FT. APPROX. |                |
| SHIP TONNAGE:                  |                      |          |         | 8 1/4 T               | APPROX.        |



RADIO SET SCR-575 CONTAINS 2 RECEIVERS BC-639 FOR SIMULTANEOUS OPERATION. THESE RECEIVERS ARE NOT CRYSTAL CONTROLLED BUT ARE CALIBRATED BY MEANS OF FREQUENCY METER BC-638 WHICH USES 5 CRYSTALS. THE APPROPRIATE CRYSTAL IS SELECTED BY MEANS OF A 5-POINT SWITCH.

# SCR-575

NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

INSTRUCTIONAL LITERATURE:

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

FREQUENCY RANGE: (Mc) 100-156

NUMBER OF CRYSTALS: 4 IN BC-624; 4 IN BC-625;  
5 IN BC-638.

PRESET FREQUENCIES: 4 EACH RECEIVING AND TRANSMITTING.

ANTENNA: ROTATABLE ADDON D/F WITH SENSE FACILITIES.

TUNING: (MO OR XTAL) XTAL ON COMMUNICATIONS R&T.  
VARIABLE ON D/F RECEIVER.

SENSITIVITY: 2-3 MICROVOLTS/METER

SELECTIVITY: 2 TIMES DOWN LESS THAN 100 Kc.

1000 TIMES DOWN MORE THAN 350 Kc.

POWER SOURCE: POWER UNIT PE-99 AND STORAGE BATTERIES;  
ALSO OPERATES FROM COMMERCIAL POWER 110V. 2 WIRE.

SIMILAR SETS: SCR-566 AND SCR-645 (FIXED).

POWER OUTPUT: (WATTS) COMMUNICATIONS TRANSMITTERS  
6 WATTS MINIMUM.TUBES: (TYPE AND NUMBER) BC-639; 1-63Q7; 1-6K6GT;  
1-9002; 3-9003; 4-6387. RA-42; 1-5V4G. BC-638;  
1-9002; 2-9003; 1-5V4G; 1-615GT; 1-6SK7; 1-6E5;  
BC-624; 1-9002; 3-9003; 1-12J5GT; 1-12C8; 1-12AH7GT;  
5-T2507. BC-625; 2-832; 3-12A6; 1-6068; 2-6337.  
BC-687; 4-25L6GT. RC-93; 1-958; 1-1A5GT.**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: **RESTRICTED**)USE: MOBILE DIRECTION FINDING STATION FOR  
GROUND CONTROL OF INTERCEPTOR PURSUIT  
OPERATIONS. PART OF CONTROL NET SYSTEM  
SCS-3. USED AS D/F STATION FOR OBTAIN-  
ING BEARING ON AIRCRAFT EQUIPPED WITH  
RADIO SET SCR-522 FOR PURPOSES OF  
HOMING AND D/F PLOTTING.RANGE: (MILES) MINIMUM OF 135 MILES WITH  
AIRCRAFT AT 10,000 FT.TO COMMUNICATE WITH: FIGHTER AIRCRAFT  
EQUIPPED WITH SCR-522.

TO REPLACE IN PART: NONE

TRANSPORTATION: 1 TRUCK K-53, 1 TRAILER  
K-63 (POWER)TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED  
AND C.W. TRANSMITS VOICE MODULATION.**PART C - PRINCIPAL COMPONENTS**  
(CLASSIFICATION: **RESTRICTED**)

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

| ITEM                              | HEIGHT  | WIDTH   | DEPTH   | WEIGHT  | CLASSIFICATION |
|-----------------------------------|---------|---------|---------|---------|----------------|
| 1 TRUCK K-53                      | 130"    | 96"     | 256"    | 13,385# | RESTRICTED     |
| 1 TRAILER K-63 (POWER)            | 72"     | 72"     | 144"    | 2,860#  | RESTRICTED     |
| 2 RECEIVERS BC-639 EACH           | 10 1/2" | 19"     | 13 1/2" | 36#     | RESTRICTED     |
| 2 RECTIFIERS RA-42 EACH           | 7"      | 19"     | 8 1/2"  | 26#     | RESTRICTED     |
| 1 FREQUENCY METER BC-638          | 11 1/2" | 19"     | 7"      | 35#     | RESTRICTED     |
| 1 RECEIVER BC-624                 | 6"      | 15 1/2" | 9"      | 14#     | RESTRICTED     |
| 1 TRANSMITTER BC-625              | 6"      | 15 1/2" | 9"      | 16#     | RESTRICTED     |
| 1 ANTENNA EQUIPMENT RC-153        |         |         |         | 150#    | RESTRICTED     |
| 1 OSCILLATOR TEST EQUIPMENT RC-93 | 10 1/2" | 9"      | 6 3/4"  | 12#     | RESTRICTED     |
| 1 DYNAMOTOR UNIT PE-94            | 7"      | 13"     | 9"      | 36#     | RESTRICTED     |
| 1 FUSE PANEL PN-15                | 5"      | 19"     | 5"      | 24#     | RESTRICTED     |
| 1 FUSE PANEL PN-5                 | 2 1/2"  | 19"     | 4 5/8"  | 15#     | RESTRICTED     |
| 1 DYNAMOTOR UNIT PE-100           | 6"      | 19"     | 10 1/2" | 23#     | RESTRICTED     |
| 1 CONTROL UNIT RM-18              | 5"      | 19"     | 8 3/4"  | 16#     | RESTRICTED     |
| 1 CONTROL PANEL PN-25             | 6 1/4"  | 19"     | 7"      | 16#     | RESTRICTED     |
| 1 RELAY UNIT BC-667               | 9"      | 19"     | 12 1/2" | 40#     | RESTRICTED     |

COMBINED WEIGHT OF COMPONENTS:

16,500#

APPROX.

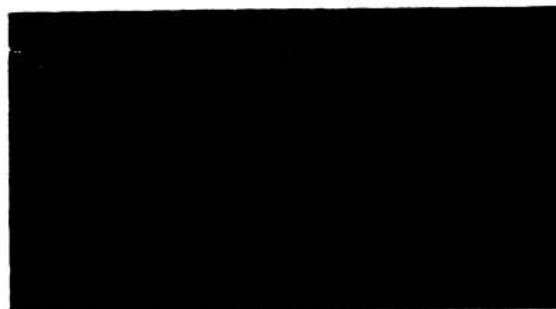
COMBINED VOLUME OF COMPONENTS:

2,272 CU. FT. APPROX.

SHIP TONNAGE:

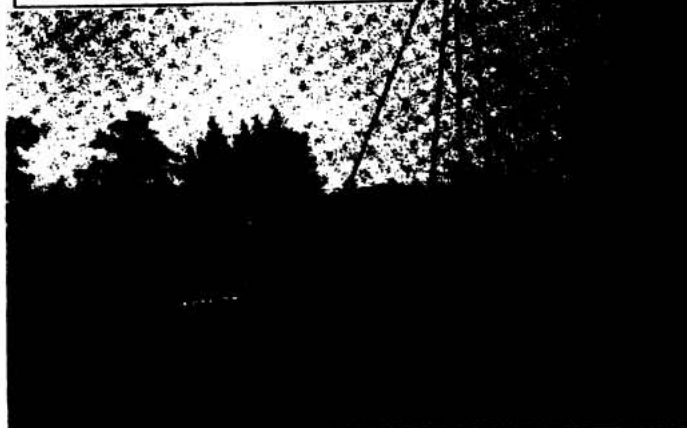
8 1/4 T

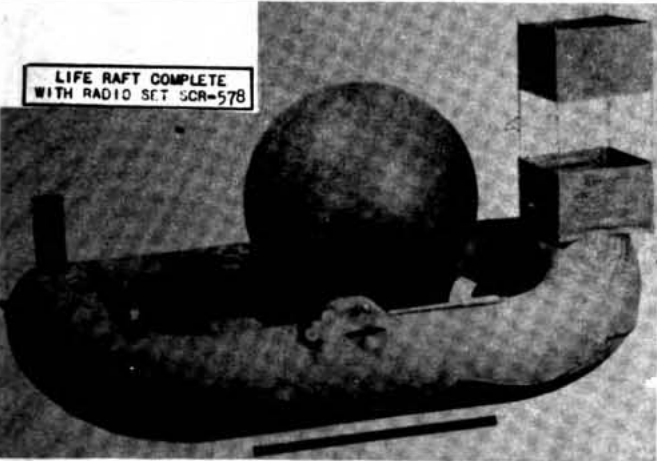
APPROX.



PANEL OF RADIO RECEIVER BC-639. PART OF RADIO SET SCR-575.

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

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

| INSTRUCTIONAL LITERATURE:<br>AN 08-10-94                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | STATUS: | STANDARD<br>1 Feb 42 | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NOMENCLATURE<br>DESIGNATION: <b>SCR-578</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                   |                                                                             |                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------|
| CHANGE IN<br>STATUS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |                      | PART A - TECHNICAL CHARACTERISTICS<br>(CLASSIFICATION: )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PART B - TACTICAL CHARACTERISTICS<br>(CLASSIFICATION: )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                   |                                                                             |                                       |
|  <p>GENERATOR M-315-A (HYDROGEN)</p> <p>BAG BG-110-A</p> <p>BAG BG-108-A WITH PARACHUTE M-276-A</p> <p>BALLOON M-276-A (INFLATED)</p> <p>KITE M-277-A (ASSEMBLED)</p> <p>RADIO SET SCR-578, COMPONENTS.</p> <p>RADIO TRANSMITTER BC-778-C</p> <p>SIGNAL LAMP M-308-B</p> <p><b>LIFE RAFT COMPLETE WITH RADIO SET SCR-578</b></p>  <p>RADIO SET SCR-578, CARRIED BY BOMBARDMENT AND RECONNAISSANCE AIRCRAFT, ALSO BY SOME AIR TRANSPORT COMMAND AIRCRAFT, OVER-WATER FLIGHTS.</p> |         |                      | <p><b>FREQUENCY RANGE:</b> (MO) INTERNATIONAL DISTRESS FREQUENCY .500 MODULATED AT 1000 OPS.</p> <p><b>NUMBER OF CRYSTALS:</b> NONE</p> <p><b>PRESET FREQUENCIES:</b> PRETUNED TO .500 Mo.</p> <p><b>ANTENNA:</b> 300 FT. ANTENNA WIRE W-148, WOUND ON REEL RL-48 AND RAISED BY BALLOON M-276-A OR KITE M-277-A.</p> <p><b>TUNING:</b> (MO OR XTAL)</p> <p><b>SENSITIVITY:</b>                      <b>SELECTIVITY:</b></p> <p><b>POWER SOURCE:</b> BUILT-IN GENERATOR, OPERATED BY HAND CRANK GC-18-A.</p> <p><b>SIMILAR SETS:</b> CAPTURED GERMAN "NOT-SENDER".</p> <p><b>POWER OUTPUT:</b> (WATTS) 4.8</p> <p><b>TUBES:</b> (TYPE AND NUMBER)</p> <p><u>1 - BC 778-B TRANS</u></p> <p>1 - 12-A-6<br/>1 - 12-SC-7</p> | <p><b>USE:</b> 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.</p> <p><b>RANGE:</b> (MILES) 200 (TO AIRCRAFT AT 2000 FT.).</p> <p><b>TO COMMUNICATE WITH:</b> SCR-187, SCR-287, RADIO COMPASS SCR-269.</p> <p><b>TO REPLACE IN PART:</b></p> <p><b>TRANSPORTATION:</b> AIRCRAFT (PORTABLE TRANS. USED FOR SEA-RESCUE).</p> <p><b>TYPE OF SIGNAL:</b> MCW (1000 OPS) AUTOMATIC S.O.S. AND MANUAL KEYING ON FIXED DISTRESS FREQUENCY .500 MBS.</p> |                                                                   |                                                                             |                                       |
| PART C - PRINCIPAL COMPONENTS<br>(CLASSIFICATION: )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                   |                                                                             |                                       |
| ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |                      | DIMENSIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                   |                                                                             |                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |                      | HEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | WIDTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DEPTH                                                             |                                                                             |                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | WEIGHT                                                            |                                                                             |                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CLASSIFICATION                                                    |                                                                             |                                       |
| 2 ROLLS - 300 FT. EA ANTENNA WIRE W-148<br>1 BAG - HOUSING FOR ACCESSORIES BG-10C<br>1 BAG - HOUSING FOR TRANSMITTER BG-110<br>2 BALLOONS M-276<br>1 HAND CRANK GC-18<br>2 GENERATORS M-315 (HYDROGEN)<br>2 BALLOON INFLATING TUBES<br>1 KITE M-277<br>1 RADIO TRANSMITTER BC-778<br>1 SIGNAL LAMP M-308<br>1 PARACHUTE M-276                                                                                                                                                                                                                                                                                                                      |         |                      | ---<br>39 1/2"<br>---<br>---<br>---<br>---<br>---<br>10 1/2"<br>---<br>---                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ---<br>X 7" DIA.<br>---<br>---<br>---<br>---<br>---<br>9 1/2"<br>---<br>---                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ---<br>---<br>---<br>---<br>---<br>---<br>---<br>9"<br>---<br>--- | 1.1<br>3.2<br>1.4<br>2.4<br>.45<br>5.92<br>1.6<br>1.45<br>15.1<br>.2<br>1.0 | 35# APPROX.<br>3 TO 4 CU. FT. APPROX. |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                   |                                                                             |                                       |
| COMBINED VOLUME:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                   |                                                                             |                                       |
| SHIP TONNAGE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                   |                                                                             |                                       |

**SCR-583**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
6 FEB 43

INSTRUCTIONAL LITERATURE:

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

FREQUENCY RANGE: (Mc) 2.2 - 4.6  
 NUMBER OF CRYSTALS: 4  
 PRESET FREQUENCIES: 4  
 ANTENNA: "FISHPOLE" MOVING 6', STATIONARY 20'.  
 TUNING: (MO OR XTAL) BOTH  
 SENSITIVITY: SELECTIVITY:  
 POWER SOURCE: DRY BATTERY FOR RECVR. AND HAND  
 GENERATOR FOR TRANS., OR VEHICLE BATTERY,  
 6 OR 12 V. FOR TRANSMITTER AND RECEIVER.  
 SIMILAR SETS:  
 POWER OUTPUT: (WATTS)  
 TUBES: (TYPE AND NUMBER)  
 4 1T4 1 1S4  
 1 RECVR. - 1 1R5 1 TRANS. - 1 HY65  
 1 1S5 1 TS-70  
 1 VR-90-30 4 1T4  
 1 1S4

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

USE: CAV: MY2D, MEOZ, &amp; HORSE RGN UNITS.

RANGE: (MILES) 35 MILES ON LOW POWER CW, MAXIMUM  
60 MILES ON HIGH POWER CW.

TO COMMUNICATE WITH:

TO REPLACE IN PART: SCR-203

TRANSPORTATION: HORSE PACK OR VEHICLE.

TYPE OF SIGNAL: CW; VOICE (AM)

CHANGE IN  
STATUS:

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

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

RADIO RECVR. & TRANS. BC-1209  
 POWER UNIT PE-152  
 POWER CONVERTER UNIT PE-154  
 GENERATOR GN-54

UNCLASSIFIED

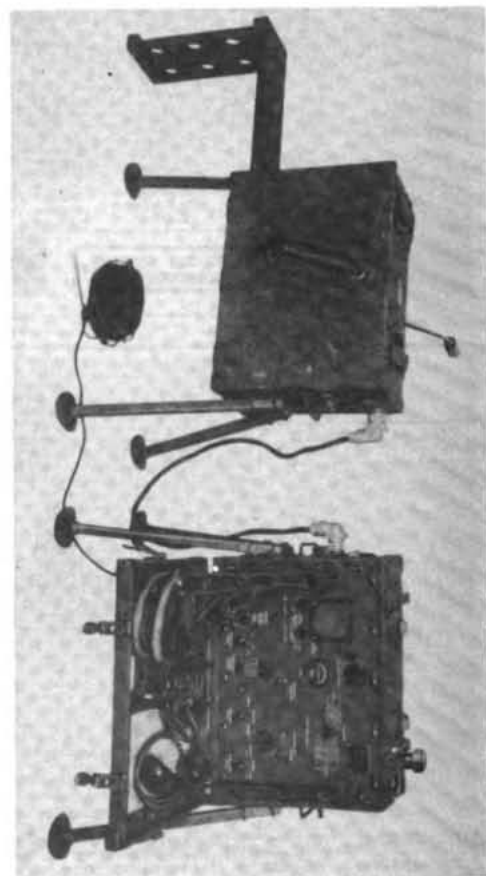
COMBINED WEIGHT OF COMPONENTS:

120#

COMBINED VOLUME:

24 CU. FT.

SHIP TONNAGE:



| <b>INSTRUCTIONAL LITERATURE:</b><br><br>(HMI) 08-10-123<br>(on SCR-585-A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>STATUS:</b><br><br><b>CHANGE IN STATUS:</b> | <b>LIMITED STANDARD</b><br>2 Dec 43 | <b>NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>NOMENCLATURE DESIGNATION:</b><br><br><h1 style="text-align: center;">SCR-585</h1>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |      |            |  |  |        |                |        |       |       |                                         |   |       |         |     |  |                            |         |       |       |     |  |                        |     |     |     |    |  |                   |     |     |     |     |  |                                       |  |  |  |  |                 |                         |  |  |  |  |                   |                      |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------|------------|--|--|--------|----------------|--------|-------|-------|-----------------------------------------|---|-------|---------|-----|--|----------------------------|---------|-------|-------|-----|--|------------------------|-----|-----|-----|----|--|-------------------|-----|-----|-----|-----|--|---------------------------------------|--|--|--|--|-----------------|-------------------------|--|--|--|--|-------------------|----------------------|--|--|
| <div style="display: flex; justify-content: space-around; align-items: center;">     </div> <div style="position: absolute; left: 181px; top: 358px; transform: rotate(-90deg); font-size: 8px;">             MOUNTING<br/>FT-295-B           </div> <div style="position: absolute; left: 278px; top: 358px; transform: rotate(-90deg); font-size: 8px;">             RADIO CONTROL BOX<br/>BC-722-B           </div> <div style="position: absolute; left: 158px; top: 668px; transform: rotate(-90deg); font-size: 8px;">             RADIO RECEIVER AND<br/>TRANSMITTER BC-721-B           </div> <div style="position: absolute; left: 281px; top: 708px; transform: rotate(-90deg); font-size: 8px;">             CONTROL SHAFT<br/>MC-355-B           </div> <div style="position: absolute; left: 288px; top: 458px; border: 1px solid black; padding: 2px; font-size: 8px;">             COMPONENTS OF RADIO SET SCR-585           </div> <p style="margin-top: 20px; font-size: 10px;">EACH UNIT IS ADJUSTED TO OPERATE ON ONLY ONE FREQUENCY AT A TIME. RECEPTION AND TRANSMISSION ARE ON THE SAME FREQUENCY. RADIO SET SCR-585 BEING REPLACED BY INTERPHONE COMMUNICATION SIMILAR TO TYPES USED BY THE BRITISH.</p> |                                                |                                     | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )<br><br><b>FREQUENCY RANGE:</b> (Mo) 3.5 - 6 (RECEPTION & TRANSMISSION) SEE REMARKS.<br><b>NUMBER OF CRYSTALS:</b> 2<br><b>PRESET FREQUENCIES:</b> 1 EA. TRANSMITTING & RECEIVING<br><b>ANTENNA:</b> TELESCOPIO ANTENNA 39" LONG.<br><b>TUNING:</b> (MO OR XTAL) CRYSTAL<br><b>SENSITIVITY:</b> <b>SELECTIVITY:</b><br><b>POWER SOURCE:</b> SELF CONTAINED - "A" BATTERY BA-37 (1.5 V), "B" BATTERY BA-38 (103.5 V).<br><b>SIMILAR SETS:</b> SCR-536<br><b>POWER OUTPUT:</b> (WATTS)<br><b>TUBES:</b> (TYPE AND NUMBER)<br><div style="margin-left: 40px;">             1 - BC - 721-A; 2 - 1R5<br/>                                               1 - 1T4<br/>                                               2 - 3SL           </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )<br><br><b>USE:</b> DUAL PURPOSE RADIO RECEIVER AND TRANSMITTER, DESIGNED FOR TWO-WAY CONVERSATION. TO BE USED IN TOWED GLIDERS THEN TO BE REMOVED AND USED FOR GROUND COMMUNICATION.<br><br><b>RANGE:</b> (MILES) 100 FT TO 1 MILE.<br><br><b>TO COMMUNICATE WITH:</b> OTHER RADIO SETS SCR-585.<br><br><b>TO REPLACE IN PART:</b><br><br><b>TRANSPORTATION:</b> ORIGINALLY FOR GLIDER-TOW PLANE INTERCOMMUNICATION (INSTALLED)<br><br><b>TYPE OF SIGNAL:</b> VOICE AND TONE MODULATED RECEPTION<br>VOICE MODULATED TRANSMISSION. |                   |      |            |  |  |        |                |        |       |       |                                         |   |       |         |     |  |                            |         |       |       |     |  |                        |     |     |     |    |  |                   |     |     |     |     |  |                                       |  |  |  |  |                 |                         |  |  |  |  |                   |                      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                |                                     | <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION: RESTRICTED ) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ITEM</th><th colspan="3">DIMENSIONS</th><th rowspan="2">WEIGHT</th><th rowspan="2">CLASSIFICATION</th></tr> <tr> <th>HEIGHT</th><th>WIDTH</th><th>DEPTH</th></tr> </thead> <tbody> <tr> <td>RADIO RECEIVER AND TRANSMITTER BC-721-B</td><td>6</td><td>5 1/2</td><td>17 1/16</td><td>6.0</td><td></td></tr> <tr> <td>RADIO CONTROL BOX BC-722-B</td><td>1 13/16</td><td>5 7/8</td><td>3 1/4</td><td>.87</td><td></td></tr> <tr> <td>CONTROL SHAFT MC-355-B</td><td>---</td><td>---</td><td>---</td><td>.5</td><td></td></tr> <tr> <td>MOUNTING FT-295-B</td><td>---</td><td>---</td><td>---</td><td>3.3</td><td></td></tr> <tr> <td colspan="5"><b>COMBINED WEIGHT OF COMPONENTS:</b></td><td>11 1/2# APPROX.</td></tr> <tr> <td colspan="5"><b>COMBINED VOLUME:</b></td><td>2 CU. FT. APPROX.</td></tr> <tr> <td colspan="5"><b>SHIP TONNAGE:</b></td><td></td></tr> </tbody> </table> <p style="margin-top: 10px; font-size: 8px;">NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLE AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | ITEM | DIMENSIONS |  |  | WEIGHT | CLASSIFICATION | HEIGHT | WIDTH | DEPTH | RADIO RECEIVER AND TRANSMITTER BC-721-B | 6 | 5 1/2 | 17 1/16 | 6.0 |  | RADIO CONTROL BOX BC-722-B | 1 13/16 | 5 7/8 | 3 1/4 | .87 |  | CONTROL SHAFT MC-355-B | --- | --- | --- | .5 |  | MOUNTING FT-295-B | --- | --- | --- | 3.3 |  | <b>COMBINED WEIGHT OF COMPONENTS:</b> |  |  |  |  | 11 1/2# APPROX. | <b>COMBINED VOLUME:</b> |  |  |  |  | 2 CU. FT. APPROX. | <b>SHIP TONNAGE:</b> |  |  |
| ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DIMENSIONS                                     |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | WEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CLASSIFICATION    |      |            |  |  |        |                |        |       |       |                                         |   |       |         |     |  |                            |         |       |       |     |  |                        |     |     |     |    |  |                   |     |     |     |     |  |                                       |  |  |  |  |                 |                         |  |  |  |  |                   |                      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | HEIGHT                                         | WIDTH                               | DEPTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |      |            |  |  |        |                |        |       |       |                                         |   |       |         |     |  |                            |         |       |       |     |  |                        |     |     |     |    |  |                   |     |     |     |     |  |                                       |  |  |  |  |                 |                         |  |  |  |  |                   |                      |  |  |
| RADIO RECEIVER AND TRANSMITTER BC-721-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6                                              | 5 1/2                               | 17 1/16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |      |            |  |  |        |                |        |       |       |                                         |   |       |         |     |  |                            |         |       |       |     |  |                        |     |     |     |    |  |                   |     |     |     |     |  |                                       |  |  |  |  |                 |                         |  |  |  |  |                   |                      |  |  |
| RADIO CONTROL BOX BC-722-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1 13/16                                        | 5 7/8                               | 3 1/4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | .87                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |      |            |  |  |        |                |        |       |       |                                         |   |       |         |     |  |                            |         |       |       |     |  |                        |     |     |     |    |  |                   |     |     |     |     |  |                                       |  |  |  |  |                 |                         |  |  |  |  |                   |                      |  |  |
| CONTROL SHAFT MC-355-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ---                                            | ---                                 | ---                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | .5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |      |            |  |  |        |                |        |       |       |                                         |   |       |         |     |  |                            |         |       |       |     |  |                        |     |     |     |    |  |                   |     |     |     |     |  |                                       |  |  |  |  |                 |                         |  |  |  |  |                   |                      |  |  |
| MOUNTING FT-295-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ---                                            | ---                                 | ---                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |      |            |  |  |        |                |        |       |       |                                         |   |       |         |     |  |                            |         |       |       |     |  |                        |     |     |     |    |  |                   |     |     |     |     |  |                                       |  |  |  |  |                 |                         |  |  |  |  |                   |                      |  |  |
| <b>COMBINED WEIGHT OF COMPONENTS:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11 1/2# APPROX.   |      |            |  |  |        |                |        |       |       |                                         |   |       |         |     |  |                            |         |       |       |     |  |                        |     |     |     |    |  |                   |     |     |     |     |  |                                       |  |  |  |  |                 |                         |  |  |  |  |                   |                      |  |  |
| <b>COMBINED VOLUME:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2 CU. FT. APPROX. |      |            |  |  |        |                |        |       |       |                                         |   |       |         |     |  |                            |         |       |       |     |  |                        |     |     |     |    |  |                   |     |     |     |     |  |                                       |  |  |  |  |                 |                         |  |  |  |  |                   |                      |  |  |
| <b>SHIP TONNAGE:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |      |            |  |  |        |                |        |       |       |                                         |   |       |         |     |  |                            |         |       |       |     |  |                        |     |     |     |    |  |                   |     |     |     |     |  |                                       |  |  |  |  |                 |                         |  |  |  |  |                   |                      |  |  |

**SCR-593**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
19 FEB 44INSTRUCTIONAL LITERATURE:  
TM 11-859**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: )

FREQUENCY RANGE: (Mc) 2.0 - 6.0 (RECEIVER ONLY)

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: 4 (SELECTED BY PUSH BUTTON)

ANTENNA: VERTICAL ROD. AN-75-A.

TUNING: (MO OR XTAL)

SENSITIVITY: SELECTIVITY:

POWER SOURCE: SELF-CONTAINED, SIMILAR TO GE  
PORTABLE RECEIVER MODEL LB-530 BB-54-A  
VIBRATOR VB-8 & VB-9.

SIMILAR SETS: NONE

POWER OUTPUT: (WATTS)

TUBES: (TYPE AND NUMBER) 1 BC-728-A -

1 1R5

1 1S5

3 1T4

2 3S4

**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: )USE: ENGRS: MYZD, MYN & COMBAT UNITS; CAC: AA,  
& BAR BLN UNITS.RANGE: (MILES) TO RECEIVE SIGNALS FROM SCR-543  
UP TO 20 MILES.

TO COMMUNICATE WITH: SCR-543; (SCR-593 RECEIVER ONLY)

TO REPLACE IN PART: NONE

TRANSPORTATION: CARRIED BY ONE MAN. TO BE  
OPERATED ON GROUND OR IN VEHICLE.

TYPE OF SIGNAL: VOICE (AM)

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

ITEM

## DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

RECEIVER, BC-728

11 9/16"

8 3/8"

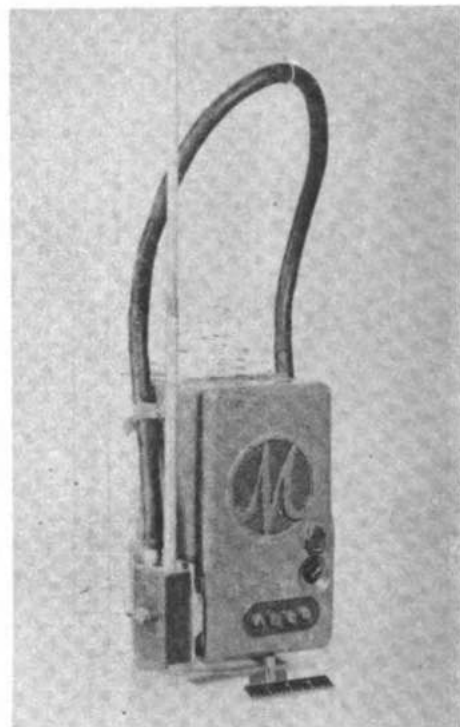
5 5/8"

15#

COMBINED WEIGHT OF COMPONENTS:

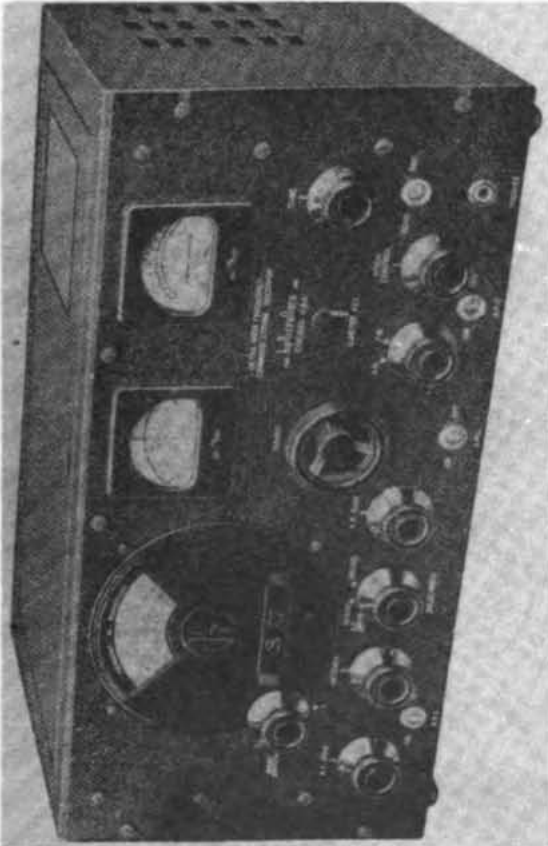
COMBINED VOLUME:

SHIP TONNAGE:



RADIO SET SCR-593 PREPARED FOR OPERATION

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

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

**SCR-608**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
29 SEP 41

INSTRUCTIONAL LITERATURE:

TM 11-620

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

FREQUENCY RANGE: (MC) 27.0 - 38.9

NUMBER OF CRYSTALS: 120

PRESET FREQUENCIES: 10 (PUSH-BUTTON SELECTION)

ANTENNA: FISHPOLE TYPE.

TUNING: (MO OR XTAL) CRYSTAL.

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 12 OR 24 V. VEHICLE BATTERY WITH  
DYNAMOTORS.

SIMILAR SETS: SCR-508- (EXCEPT FREQUENCY BAND)

POWER OUTPUT: (WATTS) 35

TUBES: (TYPE AND NUMBER) BC-683-(A) REGRV: 3 TYPE  
6 AC-7; 1 TYPE 6J5; 2 TYPE 12 SG7; 1 TYPE 6H6;  
1 TYPE 6V6GT; 2 TYPE 6 SL7GT. BC-684-(A) TRANS:  
7 TYPE 1619; 1 TYPE 1624.**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: )

USE: USED BY FIELD ARTILLERY, SIGNAL CORPS.

RANGE: (MILES) 10 TO 15 VOICE.

TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610;  
SCR-628.TO REPLACE IN PART: SCR-161; SCR-284; SCR-194;  
SCR-288

TRANSPORTATION: VEHICLES.

TYPE OF SIGNAL: FM; VOICE ONLY.

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

1 RADIO TRANS. BC-684

2 RADIO REGRV. BC-683

1 MOUNTING FT-237

1 REMOTE CONTROL UNIT RM-29

67#

70#(35#ea.)

44#

15#

COMBINED WEIGHT OF COMPONENTS:

306#

COMBINED VOLUME:

SHIP TONNAGE:

CHANGE IN  
STATUS:RADIO SET SCR-608 SET UP FOR OPERATION  
VEHICULAR SET FOR OPERATION BY NON RADIO SPECIALISTS. INCLUDES TEN  
CHANNELS OF RADIO SET SCR-508 TO PERMIT COMMUNICATION WITH THE ARM-  
ORED FORCE. REMOTE CONTROL.



**SCR-610**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
29 SEP 41

INSTRUCTIONAL LITERATURE:

TM 11-615-A

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

FREQUENCY RANGE: (MC) 27.0 - 38.9  
 NUMBER OF CRYSTALS: 120  
 PRESET FREQUENCIES: TWO PRE-SET XTAL CONTROLLED CHANNELS.  
 ANTENNA: FISHPOLE TYPE. AN-29-C AND VEHICULAR WHIP.  
 TUNING: (MC OR XTAL) XTAL  
 SENSITIVITY: SELECTIVITY:  
 POWER SOURCE: DRY BATTERIES; POWER UNIT PE-117  
 SIMILAR SETS: SCR-609 (EXCEPT FOR ADDED POWER PACK)  
 POWER OUTPUT: (WATTS) 2  
 TUBES: (TYPE AND NUMBER) 1 BC-659 USES: 5 1LN5;  
 2 1291; 4 1299; 1 1LN4; 1 1294; 1 1LC6.  
 1 PE-117 USES: 1 VR-90-30; 1 CK1005.

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

USE: CWS; SMOKE GEN CO; FA; LIAISON OFFICERS  
 FORWARD OBSERVERS, AND FOR INTRA-BATTERY  
 AND INTRA-BN. COMMUNICATION.

RANGE: (MILES) 5

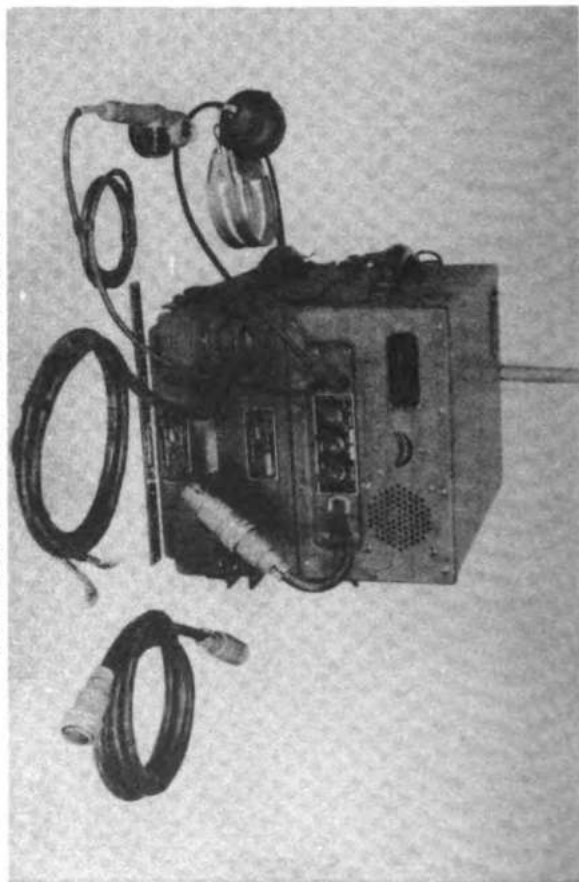
TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610;  
SCR-628.TO REPLACE IN PART: SCR-161; SCR-194; SCR-284;  
SCR-288.TRANSPORTATION: TRANSPORTED & OPERATED IN VEHICLE  
OR CARRIED BY MAN ON FOOT.

TYPE OF SIGNAL: VOICE (FM)

CHANGE IN  
STATUS:

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

RADIO SET SCR-610, SET UP FOR MOBILE OPERATION

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

RECV. & TRANS. BC-659  
 PLATE SUPPLY UNIT PE-117  
 MOUNTING FT-250  
 REMOTE CONTROL UNIT RM-29  
 CASE CS-79 (FOR BATTERIES).

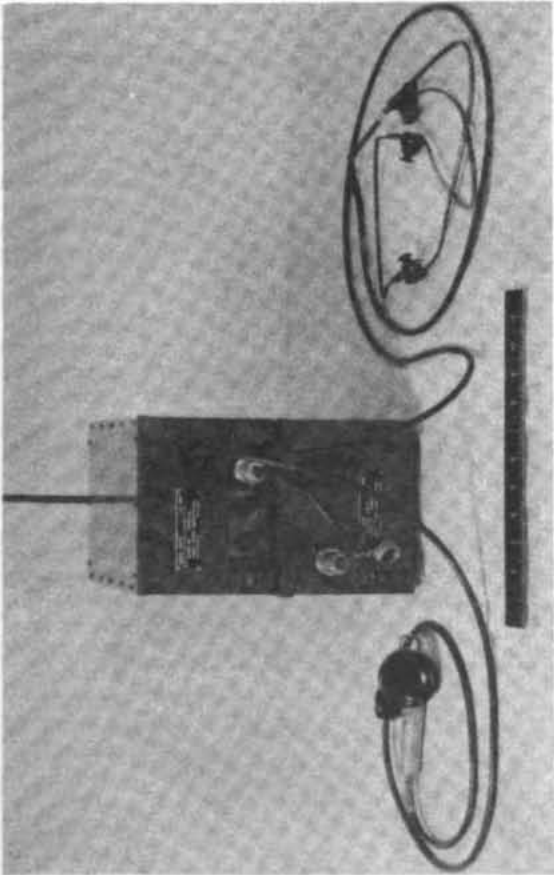
COMBINED WEIGHT OF COMPONENTS:

177#

COMBINED VOLUME:

1.3 CU. FT.

SHIP TONNAGE:

|                                                                                                                                                                                                                                                                  |                      |  |                                                                                                                                                                                                                                                                                                                  |                                             |  |                                                                                                                                                                                                                                                                      |       |       |        |                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|--------|----------------|
| INSTRUCTIONAL LITERATURE:                                                                                                                                                                                                                                        | STATUS:              |  | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                     | NOMENCLATURE<br>DESIGNATION: <b>SCR-619</b> |  |                                                                                                                                                                                                                                                                      |       |       |        |                |
|                                                                                                                                                                                                                                                                  | CHANGE IN<br>STATUS: |  | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> )                                                                                                                                                                                                                                |                                             |  | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> )                                                                                                                                                                                     |       |       |        |                |
|                                                                                                                                                                                 |                      |  | FREQUENCY RANGE: (Mc) 27 - 38.9<br>NUMBER OF CRYSTALS: 22<br>PRESET FREQUENCIES: 2<br>ANTENNA:<br>TUNING: (MO OR XTAL) XTAL<br>SENSITIVITY: SELECTIVITY:<br>POWER SOURCE:<br>SIMILAR SETS: SCR-609; SCR-610.<br>POWER OUTPUT: (WATTS) 2<br>TUBES: (TYPE AND NUMBER)<br>6 1L4<br>1 1R5<br>3 1S5<br>5 3A5<br>1 1A3 |                                             |  | USE: FIELD ARTILLERY.<br><br><br>RANGE: (MILES) APPROX. 5<br>TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-628.<br>TO REPLACE IN PART: SCR-609; SCR-610.<br><br>TRANSPORTATION: MAN CARRIED, ANIMAL PACK, OR<br>FIELD ARTILLERY VEHICLE.<br>TYPE OF SIGNAL: VOICE, (FM) |       |       |        |                |
|                                                                                                                                                                                                                                                                  |                      |  | <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> )                                                                                                                                                                                                                                     |                                             |  |                                                                                                                                                                                                                                                                      |       |       |        |                |
| RADIO SET SCR-619<br>SET UP FOR FIELD OPERATION.<br>RADIO SET SCR-619 IS CLASSIFIED AS REQUIRED TYPE; DEVELOPMENT TYPE;<br>LIMITED PRODUCTION TYPE, FOR PRODUCTION OF SERVICE TEST MODELS.<br>AFTER TEST OF EXPERIMENTAL LABORATORY MODEL SHOWN IN ILLUSTRATION. |                      |  | ITEM                                                                                                                                                                                                                                                                                                             |                                             |  | DIMENSIONS                                                                                                                                                                                                                                                           |       |       | WEIGHT | CLASSIFICATION |
|                                                                                                                                                                                                                                                                  |                      |  |                                                                                                                                                                                                                                                                                                                  |                                             |  | HEIGHT                                                                                                                                                                                                                                                               | WIDTH | DEPTH |        |                |
|                                                                                                                                                                                                                                                                  |                      |  | (IN DEVELOPMENT STAGE -<br>COMPONENTS NOT YET DEFINITELY DETERMINED)                                                                                                                                                                                                                                             |                                             |  |                                                                                                                                                                                                                                                                      |       |       |        |                |
|                                                                                                                                                                                                                                                                  |                      |  | COMBINED WEIGHT OF COMPONENTS:                                                                                                                                                                                                                                                                                   |                                             |  | NOT TO EXCEED                                                                                                                                                                                                                                                        |       |       | 25#    |                |
|                                                                                                                                                                                                                                                                  |                      |  | COMBINED VOLUME:                                                                                                                                                                                                                                                                                                 |                                             |  |                                                                                                                                                                                                                                                                      |       |       |        |                |
|                                                                                                                                                                                                                                                                  |                      |  | SHIP TONNAGE:                                                                                                                                                                                                                                                                                                    |                                             |  |                                                                                                                                                                                                                                                                      |       |       |        |                |

THIS SHEET IS CLASSIFIED: **RESTRICTED****SCR-624**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
31 MAR 43

INSTRUCTIONAL LITERATURE:

(HMI) AN 08-10-185  
(ON SCR-624-A)**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: **RESTRICTED**)

FREQUENCY RANGE: (MC) 100 - 156

NUMBER OF CRYSTALS: 8

PRESET FREQUENCIES: 4 PRESET CHANNELS, BOTH  
TRANS. & RECVR.

ANTENNA: "J" ANTENNA ON 50 FT. MAST.

TUNING: (MO OR XTAL) XTAL

SENSITIVITY: SELECTIVITY:

POWER SOURCE: GASOLINE ENGINE DRIVEN GENERATOR  
110 V. AC.SIMILAR SETS: USES SAME TRANSMITTER AND RECEIVER  
COMPONENTS AS SCR-522 AND SCR-542.

POWER OUTPUT: (WATTS) 6 WATTS VOICE.

TUBES: (TYPE AND NUMBER) 1-BC-624A RECVR;  
1-12J5GT; 1-12C8; 1-9002; 5-9003; 1-12AH7GT;  
3-12SG7. 1-BC 625A TRANS; 2-832; 3-12A6; 1-6G6G;  
2-6SS7. 1-RA 62 RECTIFIER; 2-5U4G; 1-6X5 GT.**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: **RESTRICTED**)USE: POINT-TO-POINT ON GROUND, GROUND STATION OR  
GROUND-TO-AIR COMMUNICATIONS.RANGE: (MILES) LINE-OF-SIGHT, MAXIMUM OF 130 MILES  
GROUND-TO-AIR.TO COMMUNICATE WITH: SCR-522; SCR-542, AND SIMILAR  
VHF AIRCRAFT COMMAND SETS.

TO REPLACE IN PART:

TRANSPORTATION: AIR TRANSPORTABLE, AND TRUCKS.

TYPE OF SIGNAL: VOICE

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

1 CHEST CH-173-A

34"

16 3/4"

13 3/4"

134 #

1 CHEST CH-172-A

34"

16 3/4"

13 3/4"

205 #

1 CHEST CH-170-A

47 1/4"

14 3/8"

6 3/8"

41 #

1 ANTENNA MAST MA-7-A, CONSISTING OF:

1 STRAP CRATE (50 FT. PLYWOOD MAST)

11'

16 1/2"

12"

152 #

1 STAYS BOX

23 3/4"

16 3/4"

12 1/4"

121 #

1 SPARE PARTS BOX

27"

13 1/2"

11"

45 #

1 POWER UNIT PE-75

36"

19 1/2"

26 1/2"

322 #

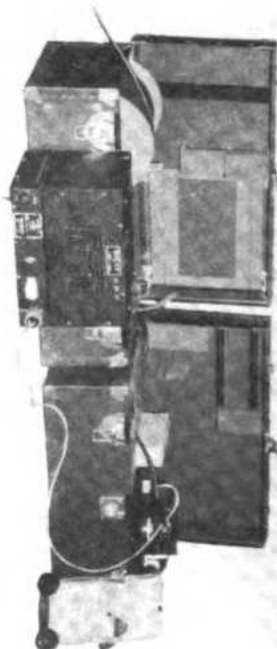
COMBINED WEIGHT OF COMPONENTS:

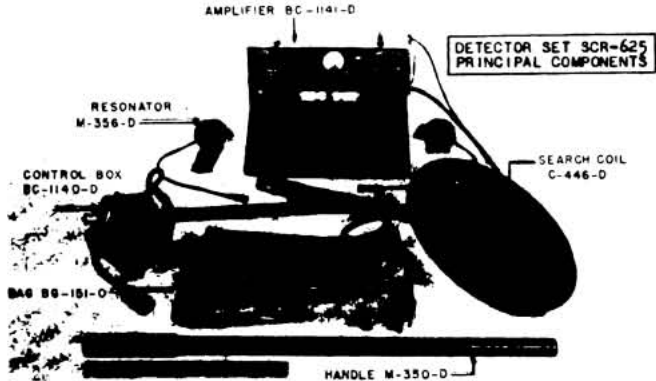
1020 LBS.

COMBINED VOLUME OF COMPONENTS:

SHIP TONNAGE:

RADIO SET SCR-624, SET UP FOR OPERATION.



| INSTRUCTIONAL LITERATURE:                                                         |  | STATUS:              | STANDARD<br>22 Sep 42 | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                   | NOMENCLATURE<br>DESIGNATION: |                |
|-----------------------------------------------------------------------------------|--|----------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------|
| TM 11-1122 (SCR-625-A,B,C,D,E)                                                    |  | CHANGE IN<br>STATUS: |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>SCR-625</b>               |                |
|   |  |                      |                       | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION ) <p>FREQUENCY RANGE: (MO)</p> <p>NUMBER OF CRYSTALS:</p> <p>PRESET FREQUENCIES: 1 Kc.</p> <p>ANTENNA:</p> <p>TUNING: (MO OR XTAL) MO</p> <p>SENSITIVITY: SELECTIVITY:</p> <p>POWER SOURCE: 2 EA. BATTERY BA-30; 1 EA. BATTERY BA-38.</p> <p>SIMILAR SETS: NONE</p> <p>POWER OUTPUT: (WATTS)</p> <p>TUBES: (TYPE AND NUMBER) 1ea. 106GT; 2 EA. VT-146 (1N5GT)</p> |                              |                |
|  |  |                      |                       | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION ) <p>USE: USED FOR DETECTING ANTI-TANK AND ANTI-PERSONNEL LAND MINES.</p> <p>RANGE: ABOUT 2 FT.</p> <p>TO COMMUNICATE WITH:</p> <p>TO REPLACE IN PART:</p> <p>TRANSPORTATION: PORTABLE BY 1 MAN.</p> <p>TYPE OF SIGNAL: VISUAL INDICATION ON METER; AUDIBLE INDICATION IN RESONATOR WORN ON LEFT SHOULDER OF USER.</p>                                             |                              |                |
| <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION )                         |  |                      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |                |
| ITEM                                                                              |  | DIMENSIONS           |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                | WEIGHT                       | CLASSIFICATION |
|                                                                                   |  | HEIGHT               | WIDTH                 | DEPTH                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |                |
| AMPLIFIER BC-1141                                                                 |  | 14"                  | 6"                    | 5"                                                                                                                                                                                                                                                                                                                                                                                                                             | 5#                           | UNCLASSIFIED   |
| CHEST CH-156                                                                      |  | 28 1/4"              | 8 1/4"                | 15"                                                                                                                                                                                                                                                                                                                                                                                                                            | 23#                          | UNCLASSIFIED   |
| CONTROL BOX BC-1140                                                               |  | 7"                   | 7"                    | 5"                                                                                                                                                                                                                                                                                                                                                                                                                             | 3#                           | UNCLASSIFIED   |
| HANDLE M-350                                                                      |  | 28 1/2"              | 1 1/8" DIAMETER       |                                                                                                                                                                                                                                                                                                                                                                                                                                | 12oz.                        | UNCLASSIFIED   |
| RESONATOR M-356                                                                   |  | 3"                   | 3" DIAMETER           |                                                                                                                                                                                                                                                                                                                                                                                                                                | 3oz.                         | UNCLASSIFIED   |
| SEARCH COIL C-446                                                                 |  | 1"                   | 13" DIAMETER          |                                                                                                                                                                                                                                                                                                                                                                                                                                | 3#                           | UNCLASSIFIED   |
| COMBINED WEIGHT OF COMPONENTS                                                     |  |                      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                | 38 1/2#                      |                |
| COMBINED VOLUME OF COMPONENTS:                                                    |  | 28 1/4"              | 8 1/4"                | 15"                                                                                                                                                                                                                                                                                                                                                                                                                            | WHEN PACKED IN CH-156-       |                |
| SHIP TONNAGE                                                                      |  |                      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |                |

**SCR-628**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
29 SEP 41INSTRUCTIONAL LITERATURE:  
TM 11-620**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: )

FREQUENCY RANGE: (MC) 27 - 38.9  
 NUMBER OF CRYSTALS: 120  
 PRESET FREQUENCIES: 10 INSTANTANEOUS SELECTION  
 WHILE MOVING OR HALTED.  
 ANTENNA: FISHPOLE TYPE. VEHICULAR.  
 TUNING: (MC OR XTAL) XTAL  
 SENSITIVITY: SELECTIVITY:  
 POWER SOURCE: 12 VOLT VEHICULAR BATTERY.  
 SIMILAR SETS: SCR-528 (DIFFERENT FREQUENCY)  
 SCR-608 BUT WITH ONLY ONE RECEIVER.  
 POWER OUTPUT: (WATTS) 35  
 TUBES: (TYPE AND NUMBER)  
 1 BC-683 - 3 6AC7 1 BC-684 - 7 1619  
 1 6J5 2 12907  
 1 6H6 1 6V6GT  
 2 6SL7GT

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

USE: CWS: SMOKE GEN CO; FA: AA AND AT WARNING  
 AND CONTROL NETS, BN. C.P., FIRE CONTROL  
 AND FIRE-DIRECTION NETS AND INTRA-BN COMMUNI-  
 CATION.

RANGE: (MILES) MOVING - 10 MILES; HALTED - 15 MILES

TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610;  
 SCR-628.

TO REPLACE IN PART: SCR-194; SCR-245.

TRANSPORTATION: TRANSPORTED & OPERATED IN VEHICLES.

TYPE OF SIGNAL: VOICE (FM)

CHANGE IN  
STATUS:

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

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

ITEM

## DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

TRANS. BC-684  
 RECVR. BC-683  
 MOUNTING FT-237  
 ANTENNA MAST BASE MP-48  
 REMOTE CONTROL UNIT RM-29.

14"

14.5"

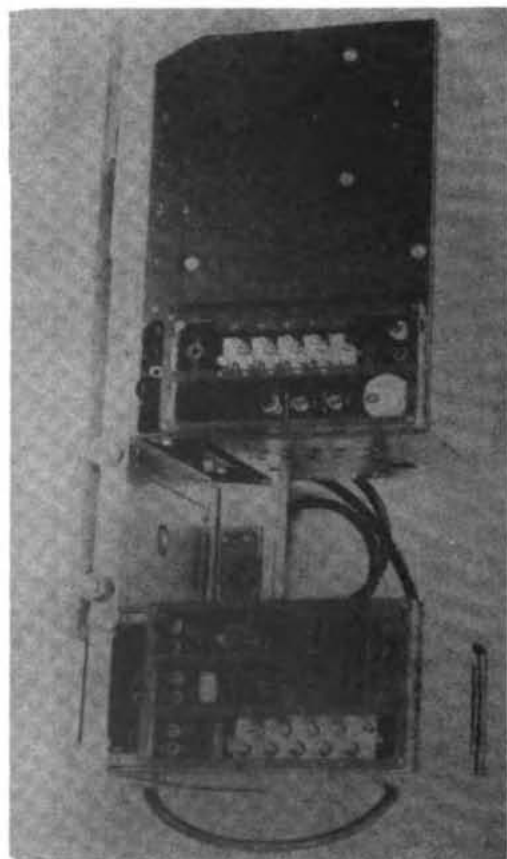
34"

190#

COMBINED WEIGHT OF COMPONENTS:

COMBINED VOLUME:

SHIP TONNAGE:



INSTRUCTIONAL LITERATURE:

STATUS:

CHANGE IN  
STATUS:NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.NOMENCLATURE  
DESIGNATION:**SCR-632****PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: **RESTRICTED**)

FREQUENCY RANGE: (MC) 100 - 156

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

PRESET FREQUENCIES: 5

ANTENNA: VERTICAL DIPOLE MOUNTED ON 90' MAST.

TUNING: (MC OR XTAL) XTAL.

SENSITIVITY: SELECTIVITY:

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

SIMILAR SETS: SCR-562

POWER OUTPUT: (WATTS) 50 (APPROXIMATELY)

TUBES: (TYPE AND NUMBER) 6-BC-640 TRANS 8 EACH,  
(4B) 523; 4 EACH (24) 6J5; 3 EACH (18) 1613;  
2 EACH (12) 811; 1 EACH (6) 807; 5 EACH (30)  
HK21G. 1-OSCILLOSCOPE RCA #155; 1-3AP1/906P1;  
2-6C6; 2-80; 1-884. 1-VOLT OHMMETER RCA-165;  
2-6K6GT; 1-6X5GT.**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: **RESTRICTED**)USE: VHF RADIO TRANSMITTING STATION FOR GROUND  
CONTROL OF INTERCEPTOR PURSUIT OPERATIONS.  
PART OF CONTROL NET SYSTEM SCS-2. PROVIDES  
5 INDEPENDENT CHANNELS OF RADIO TRANSMISSION.RANGE: (MILES) 135 MILES WITH AIRCRAFT AT AN  
ALTITUDE GREATER THAN 10,000 FT.TO COMMUNICATE WITH: CONTROL SET SCR-561 BY  
TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT  
EQUIPPED WITH RADIO SET SCR-522.

TO REPLACE IN PART:

TRANSPORTATION:

TYPE OF SIGNAL: VOICE AND MCW.

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

| ITEM                            | DIMENSIONS |         |         | WEIGHT      | CLASSIFICATION |
|---------------------------------|------------|---------|---------|-------------|----------------|
|                                 | HEIGHT     | WIDTH   | DEPTH   |             |                |
| 6 TRANSMITTERS BC-640 (1 SPARE) | 72"        | 21"     | 20"     | 515#        |                |
| 2 CONTROL UNITS RM-27           | 19"        | 11 3/8" | 10 1/2" | 29#         |                |
| 2 POWER UNITS PE-99             | 55"        | 28"     | 50"     | 1,600#      |                |
| 8 ANTENNA EQUIPMENT RC-81       | 12"        | 28 5/8" | 38 1/2" | 4#          |                |
| 4 ANTENNA AN-56 EACH MADE UP:   |            |         |         |             |                |
| Box 1                           | 188"       | 43 1/2" | 25 3/4" | 2,000#      |                |
| Box 2                           | 76 1/2"    | 91 1/2" | 23 1/2" | 667#        |                |
| Box 3                           | 13 1/2"    | 5 1/2"  | 14 1/2" | 190#        |                |
| Box 4                           | 35 1/2"    | 26 1/2" | 17 1/2" | 490#        |                |
| Box 5                           | 36 5/8"    | 34 3/4" | 17 1/2" | 495#        |                |
| COMBINED WEIGHT OF COMPONENTS:  |            |         |         | 24,500#     |                |
| COMBINED VOLUME OF COMPONENTS:  |            |         |         | 900 CU. FT. |                |
| SHIP TONNAGE:                   |            |         |         | 12 1/4 T.   |                |

RADIO SET SCR-632. PART OF CONTROL NET SYSTEM SCS-2. INTERIOR VIEW, SHOWING  
SIX RADIO TRANSMITTERS BC-640, AND MONITORING EQUIPMENT RC-80 INSTALLED IN DUSOUT.  
SAME AS RADIO SET SCR-562 EXCEPT HOUSED IN FIXED BUILDINGS NOT PART OF THE RADIO SET. A  
QUANTITY OF SCR-562 SETS WERE DEMOBILIZED AS SCR-632 AT THE REQUEST OF THE AAF.  
SIX (6) INCOMING WIRE LINES ARE BROUGHT INTO THE CONTROL UNIT RM-27 (MONITOR UNIT) AND  
THENCE TO THE INPUT OF THE TRANSMITTER BC-640. THE RM-27 HAS PROVISIONS FOR PATCHING  
THE INCOMING LINES TO THE 6 TRANSMITTERS, MONITORING AND ADJUSTING THE VOLUME OF THE IN-  
COMING SIGNAL TO THE TRANSMITTER, AND INTERCOMMUNICATION WITH THE OPERATORS BLOCK.

THIS SHEET IS CLASSIFIED: RESTRICTED

**SCR-633**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

INSTRUCTIONAL LITERATURE:

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

FREQUENCY RANGE: (Mc) 100-156

NUMBER OF CRYSTALS: 6 IN USE (FULL XTAL COMPLEMENT TO BE DETERMINED BY AAF).

PRESET FREQUENCIES: 6 RECEIVERS. BC-639 CONTAINED IN SCR-563 ARE NOT CRYSTAL CONTROLLED BUT ARE CALIBRATED BY MEANS OF THE FREQUENCY METER BC-638. THE FREQUENCY METER IS SET UP FOR 5 CRYSTALS WHICH ARE SELECTED BY MEANS OF A 5-POINT SWITCH. 1 XTAL IS NEEDED FOR EACH FREQUENCY.

ANTENNA: VERTICAL DIPOLES MOUNTED ON 90' MAST.

TUNING: (MO OR XTAL) VARIABLE

SENSITIVITY: 2-3 v/METER 50 MW OUTPUT.

SELECTIVITY: 2 TIMES DOWN LESS 100 Kc. 1000 TIMES DOWN MORE 350 Kc.

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

SIMILAR SETS: SCR-563

POWER OUTPUT: (WATTS) 1 (DISTORTED) ½ W 10% DISTORTION.

TUBES: (TYPE AND NUMBER) RECEIVING SET FOR SCS-2.  
6 BC-639-A: 18 9003; 6 9002; 2 6387; 6 6K6GT; 6 6SQ7.  
1 BC-638-A: 1 5V4G; 1 9002; 2 9003; 1 6L5G; 1 6E5;  
1 6SK7. 6RA-42-A: 6 5V4G.

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

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

RANGE: (MILES) DETERMINED BY OUTPUT OF AIRBORNE TRANSMITTER.

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

TO REPLACE IN PART:

TRANSPORTATION:

TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED SIGNAL AND CW.

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

## ITEM

## DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

|                                     |         |         |         |       |  |
|-------------------------------------|---------|---------|---------|-------|--|
| 6 RECEIVERS BC-639 (1 SPARE)        | 10 1/2" | 19"     | 13 1/4" | 36#   |  |
| 1 CONTROL UNIT RM-23                | 5"      | 19"     | 8 1/2"  | 18#   |  |
| 8 ANTENNA EQUIPMENT RC-81           | 12"     | 28 1/2" | 38 1/2" | 4#    |  |
| 1 POWER UNIT PE-99                  | 55"     | 28"     | 50"     | 1600# |  |
| 1 FREQUENCY METER BC-638            | 11 1/2" | 19"     | 7"      | 35#   |  |
| 6 RECTIFIER UNITS RA-42 (1 SPARE)   | 7"      | 19"     | 8 1/2"  | 26#   |  |
| 3 SOCKET PANEL PN-4                 | 10 1/2" | 19"     | 3 1/8"  | 7#    |  |
| 1 FUSE PANEL PN-15                  | 5"      | 19"     | 5"      | 24#   |  |
| 4 ANTENNA AN-56 EACH MADE UP: Box 1 | 188"    | 43 1/2" | 25 3/4" | 2000# |  |
| Box 2                               | 76 1/2" | 91 1/2" | 23 1/2" | 667#  |  |
| Box 3                               | 13 1/2" | 5 1/2"  | 14 7/8" | 190#  |  |
| Box 4                               | 35 1/2" | 26 1/2" | 17 1/2" | 490#  |  |
| Box 5                               | 36 5/8" | 34 3/4" | 17 1/2" | 495#  |  |

COMBINED WEIGHT OF COMPONENTS:

19,500#

COMBINED VOLUME OF COMPONENTS:

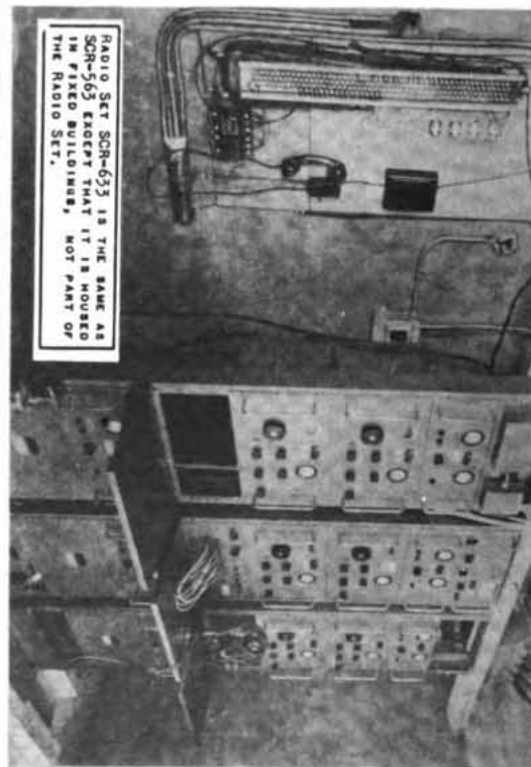
700 cu. ft.

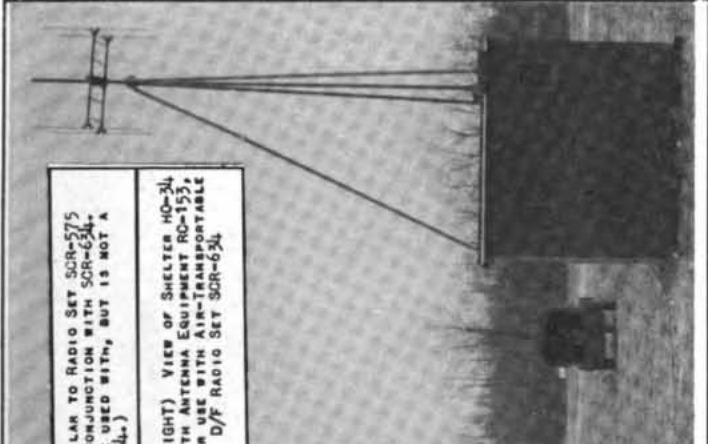
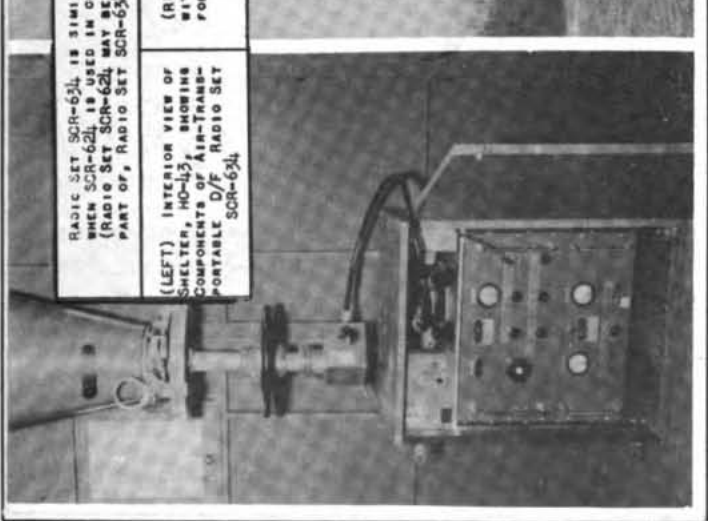
SHIP TONNAGE:

9 3/4 T.

CHANGE IN  
STATUS:

Showing Front 3/4 View of Radio Receiving Equipment and Communications Panel Installed in Dupont Shelter  
on 9-25-43 SIGNAL CORPS GROUND SIGNAL SERVICE on 9/4/35



| INSTRUCTIONAL LITERATURE:                                                                                                                                                                                   | STATUS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NOMENCLATURE DESIGNATION: <b>SCR-634</b> |                          |                 |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------|-----------------|----------------|---------|--------|----------------|-----------------------------|--------|-------|-------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----|--|------------------------|-----|-----|--------|-----|--|------------------------------|--|--|--|------|--|-------------------------------|---------|----|--------|-----|--|------------------------------|------|-----|---------|------|--|-----------------|------|-----|------|------|--|----------------------|--------|--------|-----|------|--|--------------------------------|--|--|--|---------|-----------------|--------------------------------|--|--|--|-------------|-----------|---------------|--|--|--|-------------------------|--|--|--|--|--|--------------------------|--|
| CHANGE IN STATUS:                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p><b>PART A - TECHNICAL CHARACTERISTICS</b><br/>(CLASSIFICATION: <b>RESTRICTED</b>)</p> <p>FREQUENCY RANGE: (Mc) 100 - 156</p> <p>NUMBER OF CRYSTALS: NONE</p> <p>PRESET FREQUENCIES: BY RECEIVER CALIBRATION DIAL.</p> <p>TRANSMITTER BC-655 (TARGET).</p> <p>ANTENNA: ADDOCK-DIRECTIONAL D/F WITH SENSING.</p> <p>TUNING: (MO OR XTAL) VARIABLE.</p> <p>SENSITIVITY: 2-3 MICROVOLTS/METER AT 50 MM</p> <p>SELECTIVITY: 2 TIMES DOWN LESS 100 Kc, 1,000 TIMES DOWN MORE THAN 350 Kc.</p> <p>POWER SOURCE: POWER UNIT PE-75 2.5 KVA, 110 VOLTS SINGLE PHASE 60 CYCLES OR POWER UNIT PE-214, 300 WATT 120 VOLTS, SINGLE PHASE 60 CYCLE (BOTH GASOLINE ENGINES).</p> <p>SIMILAR SETS: SCR-565</p> <p>POWER OUTPUT: (WATTS) 1 (DISTORTED) 1/2 (10% DISTORTION).</p> <p>TUBES: (TYPE AND NUMBER)</p> <table border="0"> <tr> <td>RECEIVER BC-659:</td> <td>RECTIFIER RA-42</td> </tr> <tr> <td>1 6SQ7</td> <td>1 5V4G</td> </tr> <tr> <td>1 6K6GT</td> <td></td> </tr> <tr> <td>1 9002</td> <td>TRANSMITTER: BC-655, TARGET</td> </tr> <tr> <td>3 9003</td> <td>1 958</td> </tr> <tr> <td>4 6SQ7</td> <td>1 1A5GT</td> </tr> </table> | RECEIVER BC-659:                         | RECTIFIER RA-42          | 1 6SQ7          | 1 5V4G         | 1 6K6GT |        | 1 9002         | TRANSMITTER: BC-655, TARGET | 3 9003 | 1 958 | 4 6SQ7            | 1 1A5GT | <p><b>PART B - TACTICAL CHARACTERISTICS</b><br/>(CLASSIFICATION: <b>RESTRICTED</b>)</p> <p>USE: RADIO SET SCR-634-A IS AN AIR TRANSPORTABLE SELF-CONTAINED FIELD OPERATED RADIO DIRECTION FINDER (D/F) STATION USED PRIMARILY WITH OTHER UNITS OF THE SAME KIND AS A FIXED D/F STATION OR AS A HOME D/F STATION WHEN RADIO SET SCR-624 IS ADDED. ALL EQUIPMENT IS HOUSED IN SHELTER HO-34-A.</p> <p>RANGE: DETERMINED BY OUTPUT OF AIRBORNE TRANSMITTER.</p> <p>TO COMMUNICATE WITH: FIGHTER AIRCRAFT EQUIPPED WITH RADIO SET SCR-522.</p> <p>TO REPLACE IN PART:</p> <p>TRANSPORTATION: DESIGNED AS AN AIR TRANSPORTABLE VHF DIRECTION FINDER STATION.</p> <p>TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED SIGNAL AND C.W.</p> |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
| RECEIVER BC-659:                                                                                                                                                                                            | RECTIFIER RA-42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |                          |                 |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
| 1 6SQ7                                                                                                                                                                                                      | 1 5V4G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |                          |                 |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
| 1 6K6GT                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |                          |                 |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
| 1 9002                                                                                                                                                                                                      | TRANSMITTER: BC-655, TARGET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |                          |                 |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
| 3 9003                                                                                                                                                                                                      | 1 958                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |                          |                 |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
| 4 6SQ7                                                                                                                                                                                                      | 1 1A5GT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |                          |                 |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
|  <p>(RIGHT) VIEW OF SHELTER HO-34 WITH ANTENNA EQUIPMENT RC-153-B FOR USE WITH AIR-TRANSPORTABLE D/F RADIO SET SCR-634.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |                          |                 |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
| <p>(LEFT) INTERIOR VIEW OF SHELTER, HO-34, SHOWING COMPONENTS OF AIR-TRANSPORTABLE D/F RADIO SET SCR-634.</p>              | <p><b>PART C - PRINCIPAL COMPONENTS</b><br/>(CLASSIFICATION: <b>RESTRICTED</b>)</p> <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 RECEIVER BC-659</td> <td>10 1/2"</td> <td>19"</td> <td>13 1/4"</td> <td>36#</td> <td></td> </tr> <tr> <td>1 RECTIFIER UNIT RA-42</td> <td>7 "</td> <td>19"</td> <td>8 1/2"</td> <td>26#</td> <td></td> </tr> <tr> <td>1 ANTENNA EQUIPMENT RC-153-B</td> <td></td> <td></td> <td></td> <td>298#</td> <td></td> </tr> <tr> <td>1 TRANSMITTER BC-655 (TARGET)</td> <td>10 1/2"</td> <td>9"</td> <td>6 3/4"</td> <td>13#</td> <td></td> </tr> <tr> <td>1 POWER UNIT PE-75 OR PE-214</td> <td>40 "</td> <td>19"</td> <td>27 1/2"</td> <td>300#</td> <td></td> </tr> <tr> <td>1 SHELTER HO-34</td> <td>64 "</td> <td>90"</td> <td>84 "</td> <td>625#</td> <td></td> </tr> <tr> <td>1 CONTROL UNIT RM-38</td> <td>7 3/4"</td> <td>6 1/2"</td> <td>6 "</td> <td>5.5#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>1,035 #</td> <td>(APPROXIMATELY)</td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS:</td> <td>311 Cu. Ft.</td> <td>(APPROX.)</td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td>1,035 AIR TRANSPORTABLE</td> <td></td> </tr> <tr> <td colspan="4"></td> <td>1 TON WHEN EXPORT PACKED</td> <td></td> </tr> </tbody> </table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          | ITEM                     | DIMENSIONS      |                |         | WEIGHT | CLASSIFICATION | HEIGHT                      | WIDTH  | DEPTH | 1 RECEIVER BC-659 | 10 1/2" | 19"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 13 1/4" | 36# |  | 1 RECTIFIER UNIT RA-42 | 7 " | 19" | 8 1/2" | 26# |  | 1 ANTENNA EQUIPMENT RC-153-B |  |  |  | 298# |  | 1 TRANSMITTER BC-655 (TARGET) | 10 1/2" | 9" | 6 3/4" | 13# |  | 1 POWER UNIT PE-75 OR PE-214 | 40 " | 19" | 27 1/2" | 300# |  | 1 SHELTER HO-34 | 64 " | 90" | 84 " | 625# |  | 1 CONTROL UNIT RM-38 | 7 3/4" | 6 1/2" | 6 " | 5.5# |  | COMBINED WEIGHT OF COMPONENTS: |  |  |  | 1,035 # | (APPROXIMATELY) | COMBINED VOLUME OF COMPONENTS: |  |  |  | 311 Cu. Ft. | (APPROX.) | SHIP TONNAGE: |  |  |  | 1,035 AIR TRANSPORTABLE |  |  |  |  |  | 1 TON WHEN EXPORT PACKED |  |
| ITEM                                                                                                                                                                                                        | DIMENSIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |                          | WEIGHT          | CLASSIFICATION |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
|                                                                                                                                                                                                             | HEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | WIDTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DEPTH                                    |                          |                 |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
| 1 RECEIVER BC-659                                                                                                                                                                                           | 10 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 19"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 13 1/4"                                  | 36#                      |                 |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
| 1 RECTIFIER UNIT RA-42                                                                                                                                                                                      | 7 "                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 19"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8 1/2"                                   | 26#                      |                 |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
| 1 ANTENNA EQUIPMENT RC-153-B                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          | 298#                     |                 |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
| 1 TRANSMITTER BC-655 (TARGET)                                                                                                                                                                               | 10 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 9"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6 3/4"                                   | 13#                      |                 |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
| 1 POWER UNIT PE-75 OR PE-214                                                                                                                                                                                | 40 "                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 19"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 27 1/2"                                  | 300#                     |                 |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
| 1 SHELTER HO-34                                                                                                                                                                                             | 64 "                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 90"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 84 "                                     | 625#                     |                 |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
| 1 CONTROL UNIT RM-38                                                                                                                                                                                        | 7 3/4"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6 "                                      | 5.5#                     |                 |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          | 1,035 #                  | (APPROXIMATELY) |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
| COMBINED VOLUME OF COMPONENTS:                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          | 311 Cu. Ft.              | (APPROX.)       |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
| SHIP TONNAGE:                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          | 1,035 AIR TRANSPORTABLE  |                 |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |
|                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          | 1 TON WHEN EXPORT PACKED |                 |                |         |        |                |                             |        |       |                   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |     |  |                        |     |     |        |     |  |                              |  |  |  |      |  |                               |         |    |        |     |  |                              |      |     |         |      |  |                 |      |     |      |      |  |                      |        |        |     |      |  |                                |  |  |  |         |                 |                                |  |  |  |             |           |               |  |  |  |                         |  |  |  |  |  |                          |  |

PAGE 110

**SCR-642**

INSTRUCTIONAL LITERATURE:

STATUS:

STANDARD  
20 Nov 43NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.NOMENCLATURE  
DESIGNATION:CHANGE IN  
STATUS:**PART A - TECHNICAL CHARACTERISTICS**  
(CLASSIFICATION: **RESTRICTED**)FREQUENCY RANGE: (MO) THE CONTROL SET SCR-642  
IS AN OPERATIONS BLOCK OF A FIGHTER CONTROL  
SYSTEM AND CONTAINS NO RADIO EQUIPMENT.

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: NONE

ANTENNA: NONE

TUNING: (MO OR XTAL) NONE

SENSITIVITY: SELECTIVITY:

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

SIMILAR SETS: CONTROL SET SCR-572.

POWER OUTPUT: (WATTS)

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

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

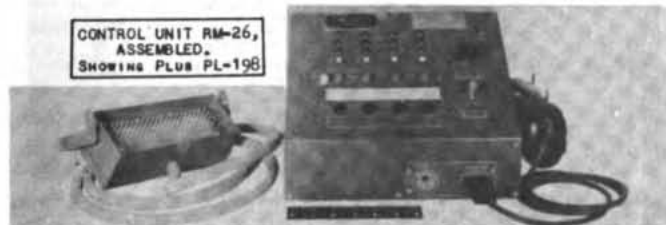
TO REPLACE IN PART:

TRANSPORTATION:

TYPE OF SIGNAL:

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

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

(LEFT)  
CONTROL EQUIPMENT  
FOR SCR-642.(ABOVE)  
TELEPHONE REPEATER EE-99. CASE COVERS  
OPEN SHOWING CONTROL PANEL AND BATTERY  
COMPARTMENT DOORCONTROL UNIT RM-26,  
ASSEMBLED.  
SHOWING PLUS PL-198RADIO SET SCR-642 IS THE SAME AS CONTROL SET SCR-527 EXCEPT THAT  
IT IS HOUSED IN FIXED BUILDINGS NOT PART OF THE SET.

**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 COMPLE-  
MENT TO BE DETERMINED BY AAF).

PRESET FREQUENCIES: 2

ANTENNA: VERTICAL DIPOLE MOUNTED ON 76' MAST.

TUNING: (MO OR XTAL) XTAL

SENSITIVITY: SELECTIVITY:

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

SIMILAR SETS: TRANS. STATION OF SCR-567.

POWER OUTPUT: (WATTS) 50

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

|         |              |
|---------|--------------|
| 16-523  | 2-606        |
| 8-645   | 2-80         |
| 6-1613  | 1-884        |
| 4-811   | 1-3AP1/906P1 |
| 2-807   | 2-6K6 GT     |
| 10-HK24 | 1-6 X 5 GT.  |

**PART B - TACTICAL CHARACTERISTICS**(CLASSIFICATION: **RESTRICTED**)USE: TWO CHANNEL TRANS. STATION FOR THE GROUND  
CONTROL OF INTERCEPTOR PURSUIT OPERATION.  
PART OF CONTROL NET SYSTEM SCS-3.RANGE: (MILES) MINIMUM OF 135 MILES WITH AIRCRAFT  
AT 10,000 FT.TO COMMUNICATE WITH: CONTROL SET SCR-572 OR  
SCR-642, RADIO SET SCR-574 OR SCR-644,  
SCR-575 OR SCR-645 BY TELEPHONE AND BY RADIO  
WITH FIGHTER AIRCRAFT EQUIPPED WITH RADIO  
SET SCR-522.

TO REPLACE IN PART:

TRANSPORTATION:

TYPE OF SIGNAL: TRANSMITS VOICE AND MCW.

CHANGE IN  
STATUS:RADIO TRANSMITTER BC-640  
REAR VIEW OF INTERIOR  
ASSEMBLYANTENNA AN-86 FOR USE WITH  
NET CONTROL SYSTEM, SCS-3.  
(SHOWING MAST ERECTED)**PART C - PRINCIPAL COMPONENTS**  
(CLASSIFICATION: **RESTRICTED**)

ITEM

## DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

2 TRANS. BC-640

72"

21"

20"

515

**RESTRICTED**

1 CONTROL UNIT RM-27

11 3/8

19

10 1/2

29

**RESTRICTED**

1 ANTENNA AN-86

PACKED IN  
25 CU. FT.

5 PACKAGES APPROX.

743

**RESTRICTED**

2 ANTENNA EQUIP. RC-81

12

28

38

4

**RESTRICTED**

COMBINED WEIGHT OF COMPONENTS:

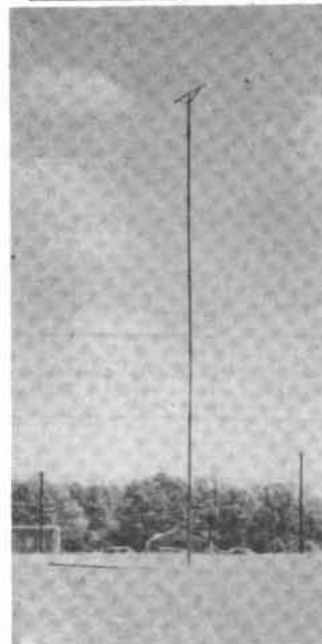
3,000# APPROX.

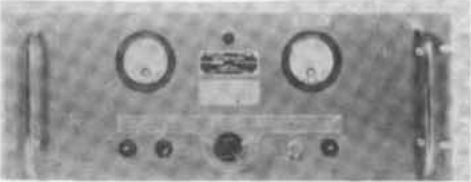
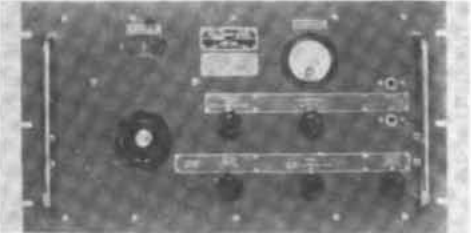
COMBINED VOLUME:

450 CU. FT. APPROX.

SHIP TONNAGE:

1 1/2 T APPROX.

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

| INSTRUCTIONAL LITERATURE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | STATUS:              | STANDARD<br>20 Nov 43 | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | NOMENCLATURE<br>DESIGNATION: <b>SCR-644</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CHANGE IN<br>STATUS: |                       | PART A - TECHNICAL CHARACTERISTICS<br>(CLASSIFICATION: <b>RESTRICTED</b> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             | PART B - TACTICAL CHARACTERISTICS<br>(CLASSIFICATION: <b>RESTRICTED</b> )                                                                                                                                                                                                                                                                                                                                                                                                               |             |                |
|  <p>RECTIFIER RA-42. FRONT VIEW</p>  <p>RADIO RECEIVER BC-639. FRONT VIEW</p>  <p>FREQUENCY METER BC-638. FRONT VIEW SHOWING<br/>CRYSTAL COMPARTMENT COVER REMOVED</p> <p>RADIO SET SCR-644 IS THE SAME AS SCR-574 EXCEPT HOUSED IN BUILDINGS NOT PART OF THE RADIO SET. A QUANTITY OF RADIO SETS SCR-574 WAS DEMOBILIZED AS RADIO SETS SCR-644 AT THE REQUEST OF THE AAF.</p> |                      |                       | <p>FREQUENCY RANGE: (MC) 100-156</p> <p>NUMBER OF CRYSTALS: 2 IN USE (FULL COMPLEMENT TO BE DETERMINED BY AAF).</p> <p>PRESET FREQUENCIES: VARIABLE (DIAL SETTING CHECKED WITH CRYSTAL CONTROLLED FREQUENCY METER.)</p> <p>ANTENNA: VERTICAL DIPOLE MOUNTED ON 76' MAST.</p> <p>TUNING: (MO OR XTAL)</p> <p>SENSITIVITY: 2-3mv/METER AT 50 MW SIGNAL RATIO 10 TO 1.</p> <p>SELECTIVITY: 2 TIMES DOWN LESS 100 Kc. 1000 TIMES DOWN MORE 350 Kc.</p> <p>POWER SOURCE: POWER UNIT PE-99 (7 1/2 KVA 110V 3 PHASE 60 CYCLE); ALSO HAS PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE.</p> <p>SIMILAR SETS: RECEIVER STATION OF SCR-567.</p> <p>POWER OUTPUT: (WATTS) RECEIVER BC-639 1 WATT DISTORTED 1/2 W 10% DISTORTION.</p> <p>TUBES: (TYPE AND NUMBER) BC-638: 1-6SK7; 1-9002; 2-9003; 1-5V4G; 1-6L5G; 1-6E5. BC-639: 1-9002; 3-9003; 1-6SQ7; 1-6K6GT; 4-6SQ7. BC-686: 3-25L6. RA-42: 1-5V4G.</p> |                                             | <p>USE: TWO CHANNEL RECEIVER STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCS-3.</p> <p>RANGE: (MILES) MINIMUM OF 135 MILES WITH AIRCRAFT AT 10,000 FT.</p> <p>TO COMMUNICATE WITH: CONTROL SET SCR-572 OR SCR-642, RADIO SET SCR-573 OR SCR-643 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH SCR-522.</p> <p>TO REPLACE IN PART:</p> <p>TRANSPORTATION:</p> <p>TYPE OF SIGNAL: RECEIVER VOICE, TONE MODULATED AND CW.</p> |             |                |
| PART C - PRINCIPAL COMPONENTS<br>(CLASSIFICATION: <b>RESTRICTED</b> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |                |
| ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                       | DIMENSIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | WEIGHT      | CLASSIFICATION |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |                       | HEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | WIDTH                                       | DEPTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |                |
| 2 RECEIVERS BC- 639 EACH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                       | 10 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 19"                                         | 13 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 36          | RESTRICTED     |
| 2 RECTIFIERS RA-42 EACH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |                       | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 19                                          | 8 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 26          | RESTRICTED     |
| 1 FREQUENCY METER BC-638                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                       | 11 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 19                                          | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 35          | RESTRICTED     |
| 2 CONTROL UNITS RM-18 EACH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |                       | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 19                                          | 8 3/4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 16          | RESTRICTED     |
| 2 AMPLIFIER BC-686                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                       | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 19                                          | 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 36          | RESTRICTED     |
| 1 FUSE PANEL PN-15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                       | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 19                                          | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 24          | RESTRICTED     |
| 1 FUSE PANEL PN-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                       | 2 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 19                                          | 4 5/8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 15          | RESTRICTED     |
| 2 FRAMES FM-39 EACH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |                       | 72                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20                                          | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 121         | RESTRICTED     |
| 1 ANTENNA AN-86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |                       | 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PACKAGED IN 5 CU. FT.                       | APPROX.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 743         | RESTRICTED     |
| 2 ANTENNA EQUIPMENT RC-81                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |                       | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 28 1/2                                      | 38 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4           | RESTRICTED     |
| COMBINED WEIGHT OF COMPONENTS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2,500#      | APPROX.        |
| COMBINED VOLUME:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 400 CU. FT. | APPROX.        |
| SHIP TONNAGE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 1/4 T     | APPROX.        |

THIS SHEET IS CLASSIFIED: **RESTRICTED****SCR-645**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

INSTRUCTIONAL LITERATURE:

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

FREQUENCY RANGE: (Mc) 100-150

NUMBER OF CRYSTALS: 4 IN BC-624; 4 IN BC-625;  
5 IN BC-638.

PRESET FREQUENCIES: 4 EACH RECEIVING AND TRANSMITTING.

ANTENNA: ROTATABLE ADOOOK D/F WITH SENSE FACILITIES.

TUNING: (MO OR XTAL) XTAL ON COMMUNICATIONS R&T.  
VARIABLE ON D/F RECEIVER.

SENSITIVITY: 2-3 MICROVOLTS/METER.

SELECTIVITY: 2 TIMES DOWN LESS THAN 100 Kc.  
1000 TIMES DOWN MORE THAN 350 Kc.POWER SOURCE: POWER UNIT PE-99 AND STORAGE BATTERIES,  
ALSO COMMERCIAL POWER 110 VOLT 2 WIRE.

SIMILAR SETS: SCR-566 AND SCR-575

POWER OUTPUT: (WATTS) COMMUNICATIONS TRANSMITTER 6  
WATTS MINIMUM.TUBES: (TYPE AND NUMBER) BC-639: 1-6SQ7; 1-6K6GT;  
1-9002; 3-9003; 4-6587. RA-42: 1-5V4G. BC-638:  
1-9002; 2-9003; 1-5V4G; 1-6L5B; 1-6SK7; 1-6E5.  
BC-624: 1-9002; 3-9003; 1-12J5GT; 1-12C8; 1-12AH7GT;  
3-12587. BC-625: 2-832; 3-12A6; 1-6G6G; 2-6SS7. BC-687  
4-25L6GT. RC-93: 1-958; 1-1A5GT.**PART B - TACTICAL CHARACTERISTICS**(CLASSIFICATION: **RESTRICTED**)USE: MOBILE DIRECTION FINDING STATION FOR GROUND  
CONTROL OF INTERCEPTOR PURSUIT OPERATIONS.  
PART OF CONTROL NET SYSTEM SCS-3. USED AS  
D/F STATION FOR OBTAINING BEARINGS ON AIR-  
CRAFT EQUIPPED WITH RADIO SET SCR-522 FOR  
PURPOSES OF NOMING AND D/F PLOTTING.RANGE: (MILES) MINIMUM OF 135 MILES WITH AIRCRAFT  
AT 10,000 FT.TO COMMUNICATE WITH: CONTROL SET SCR-572 OR  
SCR-642. RADIO SET SCR-573 OR SCR-643 BY  
TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT  
EQUIPPED WITH SCR-522.

TO REPLACE IN PART: NONE

TRANSPORTATION: FIXED.

TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED  
AND CW. TRANSMITS VOICE MODULATION.**PART C - PRINCIPAL COMPONENTS**(CLASSIFICATION: **RESTRICTED**)

## ITEM

## DIMENSIONS

## WEIGHT

## CLASSIFICATION

| ITEM                              | DIMENSIONS |          |                  | WEIGHT  | CLASSIFICATION |
|-----------------------------------|------------|----------|------------------|---------|----------------|
|                                   | HEIGHT     | WIDTH    | DEPTH            |         |                |
| 2 RECEIVERS BC-639 EACH           | 10 1/2"    | 19"      | 13 1/2"          | 36#     |                |
| 2 RECTIFIERS RA-42 EACH           | 7 "        | 19"      | 8 1/2"           | 26#     |                |
| 1 FREQUENCY METER BC-638          | 11 1/2"    | 19"      | 11 1/2"          | 35#     |                |
| 1 RECEIVER BC-624                 | 6"         | 15 1/2"  | 9"               | 14 1/2# |                |
| 1 TRANSMITTER BC-625              | 6"         | 15 1/2"  | 9"               | 16 1/4# |                |
| 1 ANTENNA EQUIPMENT RC-153        | 10 1/2"    | 9 "      | 6 3/4 "          | 150 #   |                |
| 1 OSCILLATOR TEST EQUIPMENT RC-93 | 7"         | 13"      | 9"               | 12#     |                |
| 1 DYNAMOTOR UNIT PE-94            | 5"         | 19"      | 9"               | 36#     |                |
| 1 FUSE PANEL PN-15                | 2 1/2"     | 19"      | 4 5/8"           | 21#     |                |
| 1 FUSE PANEL PN-5                 | 6 "        | 19"      | 10 1/2"          | 15#     |                |
| 1 DYNAMOTOR UNIT PE-100           | 5"         | 19"      | 8 3/4"           | 23#     |                |
| 1 CONTROL UNIT RM-18              | 6 1/4"     | 19"      | 7"               | 16#     |                |
| 1 CONTROL PANEL PN-25             | 9"         | 19"      | 12 1/2"          | 16#     |                |
| 1 RELAY UNIT BC-687               | PACKED IN  | 12 BOXES | 19 3/4" O.U.F.T. | 21,146  |                |
| 1 TOWER TR-17                     | 24"        | 60"      | 72"              | 626     |                |
| 1 SHELTER HO-3                    |            |          |                  |         |                |

COMBINED WEIGHT OF COMPONENTS:

21,000#

APPROXIMATELY

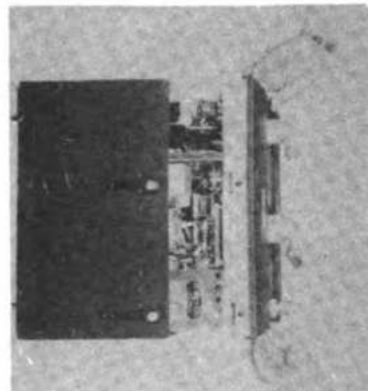
COMBINED VOLUME OF COMPONENTS:

2,200 O.U.F.T. APPROX.

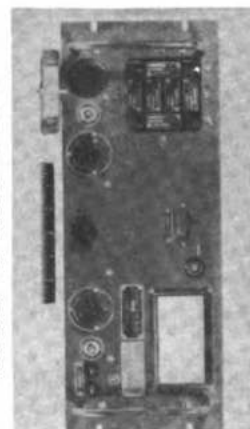
SHIP TONNAGE:

12 TON

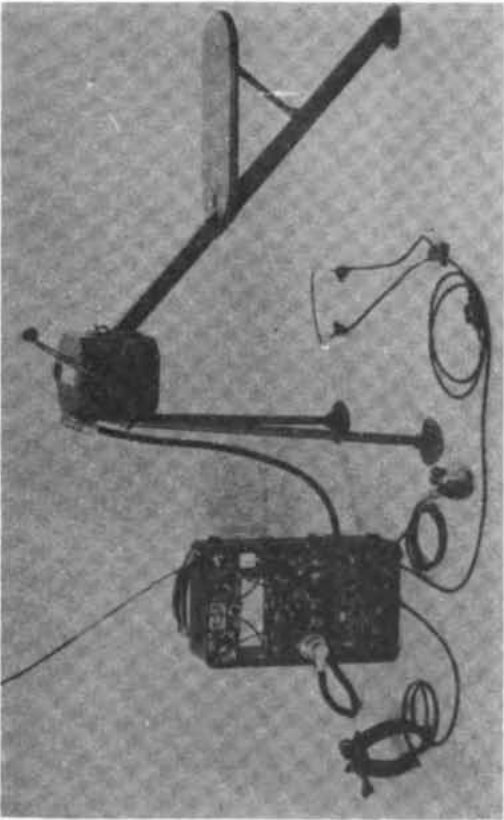
APPROXIMATELY

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

FUSE PANEL PN-15. FRONT VIEW



RECTIFIER RA-42. FRONT VIEW

|                                                                                   |                      |                       |                                                                                                                                                                                                   |                              |                |                                                                                 |                |  |
|-----------------------------------------------------------------------------------|----------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------|---------------------------------------------------------------------------------|----------------|--|
| INSTRUCTIONAL LITERATURE:                                                         | STATUS:              | STANDARD<br>28 JUL 43 | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                      | NOMENCLATURE<br>DESIGNATION: | <b>SCR-694</b> |                                                                                 |                |  |
|                                                                                   | CHANGE IN<br>STATUS: |                       | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )                                                                                                                                   |                              |                |                                                                                 |                |  |
|  |                      |                       | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: )                                                                                                                                    |                              |                |                                                                                 |                |  |
|                                                                                   |                      |                       | FREQUENCY RANGE: (Mo) 3.8 - 6.5<br>NUMBER OF CRYSTAL: 2<br>PRESET FREQUENCIES: 2<br>ANTENNA: 15' WHIP AN-123, 124.<br>TUNING: (MO OR XTAL) BOTH<br>SENSITIVITY:                      SELECTIVITY: |                              |                | USE: INFANTRY; PARACHUTE; MOUNTAIN & AIRBORNE<br>TROOPS.                        |                |  |
|                                                                                   |                      |                       | POWER SOURCE: 6 OR 12 V VEHICLE BATTERY WITH<br>VIBRATOR UNIT PE-237, HAND GENERATOR GN-57<br>FOR FIELD USE OR BATTERY BA-48 FOR REOVR. ONLY.<br>SIMILAR SETS:                                    |                              |                | RANGE: (MILES) STATIONARY CW-30; VOICE-15;<br>MOVING CW-15; VOICE-7.            |                |  |
|                                                                                   |                      |                       | POWER OUTPUT: (WATTS) VEHICLE OPERATION A1-25,<br>A3-7; FIELD OPERATION A1-20, A3-5.                                                                                                              |                              |                | TO COMMUNICATE WITH: SCR-284; SCR-511; SCR-536.<br>TO REPLACE IN PART: SCR-284. |                |  |
|                                                                                   |                      |                       | TUBES: (TYPE AND NUMBER) 1 TRANS.: 2 3A4; 1 HY65;<br>1 TS70; 1 VR105-30. 1 REOVR.: 3 1T4; 1 1R5;<br>1 1R5; 1 3Q4.                                                                                 |                              |                | TRANSPORTATION: VEHICLE OR MAN PAGE.<br>TYPE OF SIGNAL: CW; VOICE (AM).         |                |  |
| <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION: RESTRICTED )             |                      |                       |                                                                                                                                                                                                   |                              |                |                                                                                 |                |  |
| ITEM                                                                              |                      |                       | DIMENSIONS                                                                                                                                                                                        |                              |                | WEIGHT                                                                          | CLASSIFICATION |  |
|                                                                                   |                      |                       | HEIGHT                                                                                                                                                                                            | WIDTH                        | DEPTH          |                                                                                 |                |  |
| TRANS. & REOVR. BC-1306<br>VIBRATOR UNIT PE-237<br>GENERATOR GN-57                |                      |                       | 14 1/2"                                                                                                                                                                                           | 9"                           | 4 - 5"         | 27#<br>(REOVR. &<br>TRANS.<br>ONLY)                                             |                |  |
| COMBINED WEIGHT OF COMPONENTS:                                                    |                      |                       |                                                                                                                                                                                                   |                              |                |                                                                                 |                |  |
| COMBINED VOLUME:                                                                  |                      |                       |                                                                                                                                                                                                   |                              |                |                                                                                 |                |  |
| SHIP TONNAGE:                                                                     |                      |                       |                                                                                                                                                                                                   |                              |                |                                                                                 |                |  |

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

**SCR-704**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
2 Nov 43

INSTRUCTIONAL LITERATURE:

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

FREQUENCY RANGE: (Mc) 1.25 - 40

NUMBER OF CRYSTALS: HAS CRYSTAL FILTER

PRESET FREQUENCIES: NONE

ANTENNA:

TUNING: (MO OR XTAL) DOES NOT APPLY

SENSITIVITY: 1 MICROVOLT INPUT TO RECEIVER.

SELECTIVITY: VARIABLE

POWER SOURCE: 115/230 VOLT 50 - 60 CYCLES AC

SIMILAR SETS: SCR-244

POWER OUTPUT: (WATTS) DOES NOT APPLY.

TUBES: (TYPE AND NUMBER) 1 VT-65; 3 VT-66; 3 VT-86;  
1 VT-87; 2 VT-90; 1 VT-91; 1 VT-96; 1 VT-116;  
3 VT-117.**PART B - TACTICAL CHARACTERISTICS**  
(CLASSIFICATION: )USE: INTERCEPT RECEIVER FOR COMMUNICATION  
AND MONITORING PURPOSES.

RANGE: DOES NOT APPLY.

TO COMMUNICATE WITH:

TO REPLACE IN PART:

TRANSPORTATION: IN VEHICLE OR PLANE.

TYPE OF SIGNAL: AM &amp; CW.

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

ITEM

## DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

RADIO RECEIVER BC-794

12.25"

23"

16.5"

70#

POWER SUPPLY UNIT RA-94

8.25"

13"

8.5"

39#

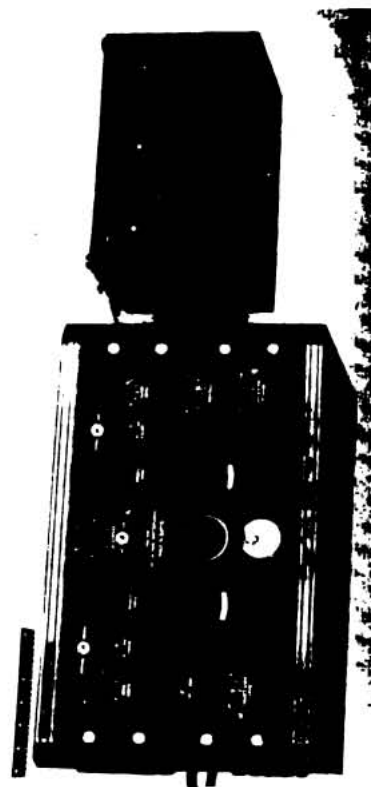
COMBINED WEIGHT OF COMPONENTS:

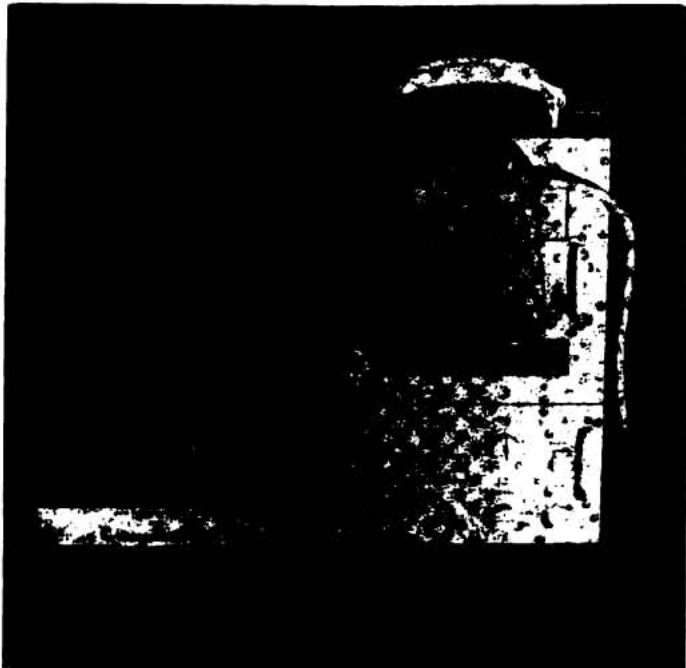
109#

COMBINED VOLUME OF COMPONENTS:

SHIP TONNAGE:

RADIO SET SCR-704, FRONT VIEW, SHOWING COMPONENTS



|                                                                                   |                                                                              |  |                                                                                                                                                                                                                                                                                                                                         |                                             |                                                                                                                                                                                                                    |        |                |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------|
| INSTRUCTIONAL LITERATURE:                                                         | STATUS:                                                                      |  | NOTE: SEE INDIVIDUAL SECTIONS<br>FOR SECTION CLASSIFICATION.                                                                                                                                                                                                                                                                            | NOMENCLATURE<br>DESIGNATION: <b>SCR-714</b> |                                                                                                                                                                                                                    |        |                |
|                                                                                   | CHANGE IN<br>STATUS:                                                         |  | <b>PART A - TECHNICAL CHARACTERISTICS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> )                                                                                                                                                                                                                                                       |                                             | <b>PART B - TACTICAL CHARACTERISTICS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> )                                                                                                                                   |        |                |
|  |                                                                              |  | FREQUENCY RANGE: (Mc) 3.8 - 6 (RECEIVER ONLY)<br>NUMBER OF CRYSTALS: NONE<br>PRESET FREQUENCIES: NONE<br>ANTENNA: LONG WIRE<br>TUNING: (MO OR XTAL)<br>SENSITIVITY:                      SELECTIVITY:<br>POWER SOURCE: 12 V VEHICLE BATTERY OR HAND<br>GENERATOR.<br>SIMILAR SETS:<br>POWER OUTPUT: (WATTS)<br>TUBES: (TYPE AND NUMBER) |                                             | USE: INFANTRY PARACHUTE AIRBORNE TROOPS.<br><br><br><br><br>RANGE: (MILES)<br><br>TO COMMUNICATE WITH:<br><br>TO REPLACE IN PART:<br><br>TRANSPORTATION: VEHICLE OR MAN PACK<br><br>TYPE OF SIGNAL: CW; VOICE (AM) |        |                |
|                                                                                   |                                                                              |  | 4 1T4<br>1 1R5<br>1 1S5<br>1 3Q4                                                                                                                                                                                                                                                                                                        |                                             |                                                                                                                                                                                                                    |        |                |
|                                                                                   | <b>PART C - PRINCIPAL COMPONENTS</b><br>(CLASSIFICATION: <b>RESTRICTED</b> ) |  |                                                                                                                                                                                                                                                                                                                                         |                                             |                                                                                                                                                                                                                    |        |                |
|                                                                                   | ITEM                                                                         |  | DIMENSIONS                                                                                                                                                                                                                                                                                                                              |                                             |                                                                                                                                                                                                                    | WEIGHT | CLASSIFICATION |
|                                                                                   |                                                                              |  | HEIGHT                                                                                                                                                                                                                                                                                                                                  | WIDTH                                       | DEPTH                                                                                                                                                                                                              |        |                |
|                                                                                   | RADIO RECV. BC-1137-A<br>MOUNTING FT-382                                     |  | 14"                                                                                                                                                                                                                                                                                                                                     | 9"                                          | 5"                                                                                                                                                                                                                 |        | RESTRICTED     |
|                                                                                   | COMBINED WEIGHT OF COMPONENTS:                                               |  |                                                                                                                                                                                                                                                                                                                                         |                                             |                                                                                                                                                                                                                    |        |                |
|                                                                                   | COMBINED VOLUME:                                                             |  |                                                                                                                                                                                                                                                                                                                                         |                                             |                                                                                                                                                                                                                    |        |                |
|                                                                                   | SHIP TONNAGE:                                                                |  |                                                                                                                                                                                                                                                                                                                                         |                                             |                                                                                                                                                                                                                    |        |                |

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

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

**SCR-808**NOMENCLATURE  
DESIGNATIONNOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.

STATUS:

STANDARD  
10 JUL 42

INSTRUCTIONAL LITERATURE:

TM 11-601

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

FREQUENCY RANGE: (MO) 27.0 - 38.9.  
 NUMBER OF CRYSTALS: 2(1 PER RECVR.).  
 PRESET FREQUENCIES: ANY 4 OF 120 AVAILABLE.  
 ANTENNA: SECTIONAL MAST TYPE. VEHICULAR.  
 TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:  
 POWER SOURCE: VEHICULAR BATTERY 12 OR 24 V.  
 SIMILAR SETS: SCR-708; SCR-828.  
 POWER OUTPUT: (WATTS) 35

TUBES: (TYPE AND NUMBER) BC-923- RECVRS  
 4 TYPE 6 A C 7; 2 TYPE 6SL7 SPL.; 2 TYPE 12SA7;  
 4 TYPE 12SG7; 4 TYPE 12SJ7; 2 TYPE 6H6; 4 TYPE  
 6SL7GT; 2 TYPE 6V6GT; 2 TYPE VR15030; 6 TYPE  
 12SC7. BC-924- TRANS; 2 TYPE 6SL7 SPL.;  
 1 TYPE VR-150-30; 1 TYPE 6AG7; 2 TYPE 815;  
 1 TYPE 6J5; 1 TYPE 6SL7GT; 1 TYPE 6V6GT.

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

USE: COMPANY AND HIGHER COMMANDERS. TANK  
 DESTROYER COMMAND. FIELD ARTILLERY.

RANGE: (MILES) 10 MILES IN OPEN VEHICLE,  
 MOVING; 5-7 MILES IN TANKS MOVING.

TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610;  
 SCR-628; 10 CHANNELS TO BE COMMON WITH  
 SCR-508; SCR-509; SCR-510.

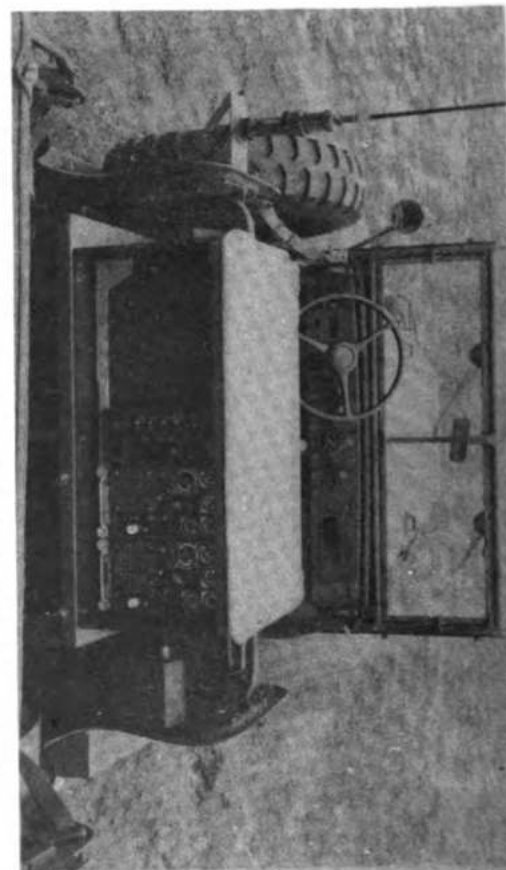
TO REPLACE IN PART: SCR-608.

TRANSPORTATION: MOTOR VEHICLE IN WHICH IT IS  
 INSTALLED.

TYPE OF SIGNAL: FM; VOICE ONLY.

CHANGE IN  
STATUS:

RADIO SET SCR-808, INSTALLED IN DODGE TRUCK, 3/4-TON 4 X 4 COMMAND (RADIO)  
 RADIO SET SCR-808, IS SIMILAR TO RADIO SET SCR-608, FOR WHICH SET IT IS A ORYNTAL GAYER  
 MODEL. HOWEVER, IT INCLUDES RECEIVER BC-923 AND TRANSMITTER BC-924, IN PLACE OF BC-685 AND  
 BC-686, RESPECTIVELY. SET IS ORYNTAL CALIBRATED, USING ONLY ONE ORYNTAL PER RECEIVER IN-  
 OF THE 820 CRYSTALS USED IN SCR-608. IT IS A VEHICULAR SET FOR OPERATION ON VOICE BY  
 PERSONS WHO ARE NOT RADIO SPECIALISTS. COMPONENTS COMPARABLE IN SIZE AND WEIGHT TO  
 THOSE OF RADIO SET SCR-608 FOR WHICH SCR-808 IS A POSSIBLE REPLACEMENT WITH ADVANTAGE  
 RESULTING FROM MO OPERATION, USING ORYNTAL IN CALIBRATION CIRCUIT.

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

ITEM

DIMENSIONS

HEIGHT

WIDTH

DEPTH

WEIGHT

CLASSIFICATION

- 1 RADIO TRANS. BC-924
- 2 RADIO RECVR. BC-923
- 1 MOUNTING FT-237

COMBINED WEIGHT OF COMPONENTS:

225# (APPROX.)

COMBINED VOLUME:

14 1/2"

34"

14"

SHIP TONNAGE:

## INSTRUCTIONAL LITERATURE:

TM 11-601

## STATUS:

STANDARD  
10 JUL 42NOTE: SEE INDIVIDUAL SECTIONS  
FOR SECTION CLASSIFICATION.NOMENCLATURE  
DESIGNATION:

SCR-828

CHANGE IN  
STATUS:PART A - TECHNICAL CHARACTERISTICS  
(CLASSIFICATION: )

FREQUENCY RANGE: (MO) 27 - 38.9

NUMBER OF CRYSTALS: 1 (XTAL CALIB.)

PRESET FREQUENCIES: 4

ANTENNA: SECTIONAL MAST TYPE, VEHICULAR.

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 12 OR 24V. VEHICLE BATTERY. DYNAMOTOR DM-64 &amp; DM-65 FOR 12V INPUT WITH REGRV. &amp; TRANS. RESPECTIVELY. DYNAMOTOR DM-66 &amp; DM-47 FOR 24V INPUT WITH REGRV. &amp; TRANS. RESPECTIVELY.

SIMILAR SETS: SCR-728

POWER OUTPUT: (WATTS) 35

TUBES: (TYPE AND NUMBER) SCR-828: 2-6AC-7/1852;  
3-6SJ7SP; 1-12 SA7; 2-12SG 7; 2-12SJ7; 1-6N6; 3-6SL  
7GT; 2-6V6GT; 2-VR150.30; 3-12-SC 7; 1-6AG7;  
2-615; 1-6J5.PART B - TACTICAL CHARACTERISTICS  
(CLASSIFICATION: )

USE: FA: PLATOON COMMANDERS; TANK DESTROYER UNITS.

RANGE: (MILES) 5-7 IN TANKS; 10 MILES IN OPEN  
VEHICLES.TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610;  
SCR-628.

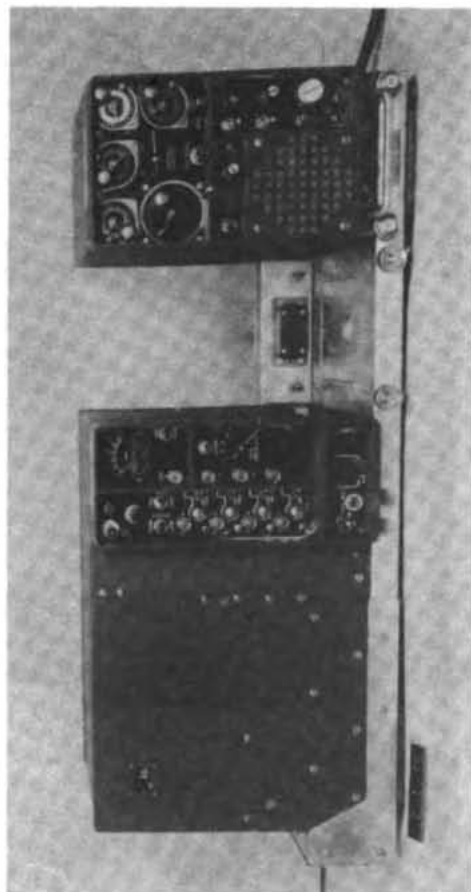
TO REPLACE IN PART: SCR-628.

TRANSPORTATION: VEHICLE

TYPE OF SIGNAL: VOICE (F.M.)

PART C - PRINCIPAL COMPONENTS  
(CLASSIFICATION: RESTRICTED)

| ITEM                           | DIMENSIONS |       |         | WEIGHT | CLASSIFICATION |
|--------------------------------|------------|-------|---------|--------|----------------|
|                                | HEIGHT     | WIDTH | DEPTH   |        |                |
| RADIO TRANS. BC-924            | 14"        | 34"   | 14 1/2" |        |                |
| RADIO REGRV. BC-923            |            |       |         |        |                |
| MOUNTING FT-237                |            |       |         |        |                |
| COMBINED WEIGHT OF COMPONENTS: |            |       |         |        |                |
| COMBINED VOLUME:               |            |       |         |        |                |
| SHIP TONNAGE:                  |            |       |         |        |                |



RADIO SET SCR-828, MOUNTED ON BASE FT-237  
MASTER OSCILLATOR VERSION OF SCR-628. SEE SCR-808.

**TC-8**NOMENCLATURE  
DESIGNATION

STATUS:

INSTRUCTIONAL LITERATURE:

STI ON TC-8 T 1

CHANGE IN  
STATUS:

( CLASSIFICATION: UNCLASSIFIED )

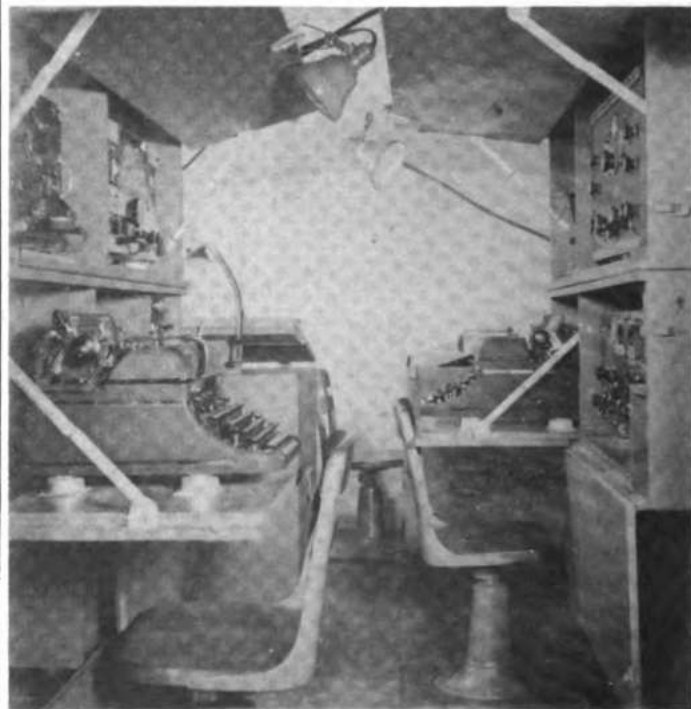
## RADIO DIRECTION FINDER CENTRAL TC-8.

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                                 | DIMENSIONS |        |        | WEIGHT | CLASSIFICATION |
|--------------------------------------|------------|--------|--------|--------|----------------|
|                                      | HEIGHT     | WIDTH  | DEPTH  |        |                |
| SHELTERS (2 EACH) HO-27              | 66.5"      | 74"    | 138"   | 1750 # |                |
| RECEIVER BC-342 (2 EACH)             | 9.75"      | 18"    | 9"     | 46 #   |                |
| RECEIVER BC-344 (1 EACH)             | 9.75"      | 18"    | 9"     | 46 #   |                |
| RECEIVER BC-787 (1 EACH)             | 9.5 "      | 19"    | 14.25" | 63 #   |                |
| RECEIVER BC-794 (1 EACH)             | 12.25"     | 23"    | 16.5"  | 70 #   |                |
| RECEIVER BC-969 (1 EACH)             | 10 "       | 19"    | 19"    | 80 #   |                |
| TAPE RECORDER BC-1016                | 10.25"     | 19.25" | 14.75" | 80 #   |                |
| VOICE RECORDER (DIOTAPHONE) TCB-2P   | 12 "       | 29"    | 14"    | 98 #   |                |
| VOICE REPRODUCER (DIOTAPHONE) TCB-TU | 14 "       | 14"    | 17"    | 80 #   |                |
| SWITCHBOARD BD-72                    | 13.25"     | 25.5"  | 9.5    | 72 #   |                |
| INTERCOMMUNICATION SYSTEM RC-238     |            |        |        |        |                |
| COMBINED WEIGHT OF COMPONENTS:       |            |        |        |        |                |
| COMBINED VOLUME OF COMPONENTS:       |            |        |        |        |                |
| SHIP TONNAGE:                        |            |        |        |        |                |



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

## INSTRUCTIONAL LITERATURE:

STI on TC-9 T1

STATUS:

CHANGE IN  
STATUS:NOMENCLATURE  
DESIGNATION:

TC-9

(CLASSIFICATION: UNCLASSIFIED )

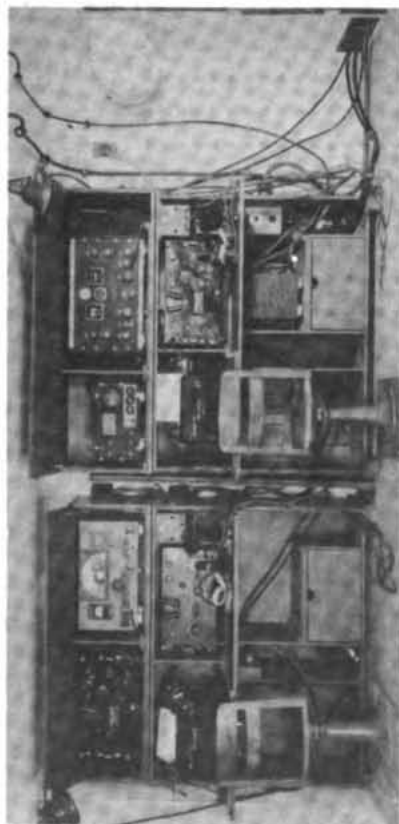
## RADIO INTERCEPT CENTRAL TC-9.

EQUIPMENT CONTAINED IN 3 SHELTERS. HO-27 EACH CARRIED BY TRUCK, CARGO, 2 1/2 TON 6X6 FOR PURPOSE OF INTERCEPTING, RECORDING, INTERPRETING, RADIO COMMUNICATIONS. CONSISTS OF RADIO RECEIVERS, RECORDERS, SWITCHBOARD, ANTENNA, INTERCOMMUNICATION AND MONITORING SYSTEM.

## PRINCIPAL COMPONENTS

(CLASSIFICATION: )

| ITEM                                 | DIMENSIONS |        |        | WEIGHT | CLASSIFICATION |
|--------------------------------------|------------|--------|--------|--------|----------------|
|                                      | HEIGHT     | WIDTH  | DEPTH  |        |                |
| SHELTER HO-27 (3 EACH)               | 66.5"      | 74"    | 138"   | 1750 # |                |
| RECEIVER BC-342 (5 EACH)             | 9.75"      | 18"    | 9"     | 46 #   |                |
| RECEIVER BC-344 (3 EACH)             | 9.75"      | 18"    | 9"     | 46 #   |                |
| RECEIVER BC-787 (2 EACH)             | 9.5"       | 19"    | 14.25" | 63 #   |                |
| RECEIVER BC-794 (1 EACH)             | 12.25"     | 23"    | 16.5"  | 70 #   |                |
| RECEIVER BC-969 (1 EACH)             | 10"        | 19"    | 19"    | 80 #   |                |
| RECORDER BC-1016 (1 EACH)            | 10.25"     | 19.25" | 14.75" | 80 #   |                |
| VOICE RECORDER (DICTAPHONE TCB-2P)   | 12"        | 29"    | 14"    | 98 #   |                |
| VOICE REPRODUCER (DICTAPHONE TCB-TU) | 14"        | 14"    | 17"    | 80 #   |                |
| SWITCHBOARD BD-72                    | 13.25"     | 25.5"  | 9.5"   | 72 #   |                |
| TELETYPE PRINTER TG-7                | 15.5"      | 21.5"  | 18"    | 215 #  |                |
| COMBINED WEIGHT OF COMPONENTS:       |            |        |        |        |                |
| COMBINED VOLUME OF COMPONENTS:       |            |        |        |        |                |
| SHIP TONNAGE:                        |            |        |        |        |                |



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

# RESTRICTED

## INDEX

### AIRCRAFT RADIO

PAGE NO.

#### AIR TRANSPORTABLE SETS

|               |                                  |     |
|---------------|----------------------------------|-----|
| SCR-578 ..... | (SEA RESCUE).....                | 95  |
| SCR-624 ..... | (VERY HIGH FREQUENCY RADIO)..... | 104 |

#### AIRCRAFT RADIO COMMUNICATION SETS

|                |                                                          |    |
|----------------|----------------------------------------------------------|----|
| SCR-183 .....  | (HIGH FREQUENCY AIRBORNE COMMAND).....                   | 30 |
| SCR-187 .....  | (LOW FREQUENCY AND HIGH FREQUENCY AIRBORNE LIAISON)..... | 31 |
| SCR-274-N..... | (HIGH FREQUENCY AIRBORNE COMMAND).....                   | 52 |
| SCR-283 .....  | ( " " " " ).....                                         | 57 |
| SCR-287 .....  | (LOW FREQUENCY AND HIGH FREQUENCY AIRBORNE LIAISON)..... | 59 |
| SCR-522 .....  | (VERY HIGH FREQUENCY AIRBORNE COMMAND).....              | 76 |
| SCR-542 .....  | ( " " " " " " ).....                                     | 80 |
| SCR-585 .....  | (HIGH FREQUENCY GLIDER COMMUNICATIONS).....              | 97 |

#### FIGHTER CONTROL SETS

|               |    |
|---------------|----|
| SCR-561 ..... | 84 |
| SCR-562 ..... | 85 |
| SCR-563 ..... | 86 |
| SCR-564 ..... | 87 |
| SCR-565 ..... | 88 |

# RESTRICTED

## AIRCRAFT RADIO

PAGE NO.

### FIGHTER CONTROL SETS (CONTINUED)

|         |       |     |
|---------|-------|-----|
| SCR-566 | ..... | 89  |
| SCR-567 | ..... | 90  |
| SCR-572 | ..... | 91  |
| SCR-573 | ..... | 92  |
| SCR-574 | ..... | 93  |
| SCR-575 | ..... | 94  |
| SCR-632 | ..... | 107 |
| SCR-633 | ..... | 108 |
| SCR-634 | ..... | 109 |
| SCR-637 | ..... | 110 |
| SCR-642 | ..... | 111 |
| SCR-643 | ..... | 112 |
| SCR-644 | ..... | 113 |
| SCR-645 | ..... | 114 |

### RADIO NAVIGATION SETS

|          |       |   |
|----------|-------|---|
| AN/ARA-1 | ..... | 1 |
| AN/ARN-5 | ..... | 2 |
| AN/ARN-6 | ..... | 3 |
| AN/ARN-7 | ..... | 4 |
| AN/CRN-1 | ..... | 5 |
| AN/CRN-2 | ..... | 6 |

# RESTRICTED

## AIRCRAFT RADIO

PAGE NO.

### RADIO NAVIGATION SETS (CONTINUED)

|                     |    |
|---------------------|----|
| AN/CRN-3 .....      | 7  |
| AN/CRN-5 .....      | 8  |
| AN/GRN-1 .....      | 9  |
| AN/MRN-1 .....      | 10 |
| AN/MRN-2 .....      | 11 |
| AN/MRN-3 .....      | 12 |
| RC-39 .....         | 18 |
| RC-43 .....         | 19 |
| RC-103 .....        | 20 |
| RC-115 .....        | 21 |
| RC-193, 193-Z ..... | 22 |
| SCR-242 .....       | 44 |
| SCR-246 .....       | 47 |
| SCR-263 .....       | 49 |
| SCR-269 .....       | 50 |
| SCR-273 .....       | 51 |
| SCR-276 .....       | 53 |
| SCR-277 .....       | 54 |
| SCR-280 .....       | 55 |
| SCR-282 .....       | 56 |

# RESTRICTED

## GROUND SIGNAL EQUIPMENT

PAGE NO.

### GROUND RADIO SETS

|                 |    |
|-----------------|----|
| AN/TRA-1 .....  | 13 |
| AN/TRC-1 .....  | 14 |
| AN/TRC-2 .....  | 15 |
| AN/TRC-3 .....  | 16 |
| AN/TRC-4 .....  | 17 |
| SCR-131 .....   | 23 |
| SCR-161 .....   | 24 |
| SCR-171 .....   | 25 |
| SCR-177 .....   | 26 |
| SCR-177-B ..... | 27 |
| SCR-178 .....   | 28 |
| SCR-179 .....   | 29 |
| SCR-188 .....   | 32 |
| SCR-188-A ..... | 33 |
| SCR-193 .....   | 34 |
| SCR-194 .....   | 35 |
| SCR-195 .....   | 36 |
| SCR-197 .....   | 37 |
| SCR-203 .....   | 38 |
| SCR-206 .....   | 39 |
| SCR-209 .....   | 40 |

# RESTRICTED

## GROUND SIGNAL EQUIPMENT

PAGE NO.

### GROUND RADIO SETS (CONTINUED)

|         |       |    |
|---------|-------|----|
| SCR-210 | ..... | 41 |
| SCR-211 | ..... | 42 |
| SCR-237 | ..... | 43 |
| SCR-245 | ..... | 46 |
| SCR-284 | ..... | 58 |
| SCR-288 | ..... | 60 |
| SCR-293 | ..... | 62 |
| SCR-294 | ..... | 63 |
| SCR-298 | ..... | 64 |
| SCR-299 | ..... | 65 |
| SCR-300 | ..... | 66 |
| SCR-399 | ..... | 67 |
| SCR-499 | ..... | 68 |
| SCR-506 | ..... | 71 |
| SCR-508 | ..... | 72 |
| SCR-509 | ..... | 73 |
| SCR-510 | ..... | 74 |
| SCR-511 | ..... | 75 |
| SCR-528 | ..... | 77 |
| SCR-536 | ..... | 78 |
| SCR-538 | ..... | 79 |

# RESTRICTED

## GROUND SIGNAL EQUIPMENT

PAGE NO.

### GROUND RADIO SETS (CONTINUED)

|         |       |     |
|---------|-------|-----|
| SCR-543 | ..... | 81  |
| SCR-583 | ..... | 96  |
| SCR-593 | ..... | 98  |
| SCR-608 | ..... | 100 |
| SCR-609 | ..... | 101 |
| SCR-610 | ..... | 102 |
| SCR-619 | ..... | 103 |
| SCR-628 | ..... | 106 |
| SCR-694 | ..... | 115 |
| SCR-714 | ..... | 117 |
| SCR-808 | ..... | 118 |
| SCR-828 | ..... | 119 |

### RADIO INTELLIGENCE AND DIRECTION FINDING SETS

|         |                                     |     |
|---------|-------------------------------------|-----|
| SCR-244 | ..... (INTERCEPT RECEIVER).....     | 45  |
| SCR-255 | ..... (RADIO DIRECTION FINDER)..... | 48  |
| SCR-291 | ..... ( " " " ).....                | 61  |
| SCR-503 | ..... ( " " " ).....                | 69  |
| SCR-504 | ..... ( " " " ).....                | 70  |
| SCR-551 | ..... ( " " " ).....                | 82  |
| SCR-555 | ..... ( " " " ).....                | 83  |
| SCR-607 | ..... (INTERCEPT RECEIVER).....     | 99  |
| SCR-704 | ..... ( " " " ).....                | 116 |

# RESTRICTED

## GROUND SIGNAL EQUIPMENT

PAGE NO.

### RADIO INTELLIGENCE AND DIRECTION FINDING SETS (CONTINUED)

|            |                                                    |     |
|------------|----------------------------------------------------|-----|
| TC-8 ..... | (RADIO DIRECTION FINDER COORDINATING CENTRAL)..... | 120 |
| TC-9 ..... | (RADIO INTERCEPT AND RECORDING CENTRAL).....       | 121 |

### SPECIAL PROJECTS

|               |                     |     |
|---------------|---------------------|-----|
| SCR-625 ..... | (DETECTOR SET)..... | 105 |
|---------------|---------------------|-----|