

SCR-263

INSTRUCTIONAL LITERATURE:
TO 08-10-64

STATUS:

LIMITED STANDARD
10 Nov 42

NOTE: SEE INDIVIDUAL SECTIONS
FOR SECTION CLASSIFICATION.

NOMENCLATURE
DESIGNATION:

CHANGE IN
STATUS:

PART A - TECHNICAL CHARACTERISTICS
(CLASSIFICATION)

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

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES:

ANTENNA: 8" LOOP & NONDIRECTIONAL ANTENNA WITH
ONE OR TWO REMOTE CONTROL POSITIONS.

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 24 TO 28 VOLTS DC (2.65 TO 3
AMPERES) STORAGE BATTERY IN AIRCRAFT.

SIMILAR SETS: SCR-242-B, SCR-280, SCR-273

POWER OUTPUT: (WATTS) RECEIVES ONLY.

TUBES: (TYPE AND NUMBER) SCR-263-A USES 1-80-443-A
1 - 6F6 1 - 6SC7
6 - 6K7
1 - 6L7
1 - 6BB
1 - 6J5
1 - 6N7

PART B - TACTICAL CHARACTERISTICS
(CLASSIFICATION)

USE: PROVIDES: VISUAL, UNIDIRECTIONAL, RIGHT-
LEFT INDICATION OF THE DIRECTION OF ARRIVAL
OF RADIO FREQUENCY ENERGY WITH RESPECT TO
THE PLANE OF THE LOOP AND SIMULTANEOUS
"ON COURSE" AURAL RECEPTION OF MODULATED
RADIO FREQUENCY ENERGY. AURAL RECEPTION
OF MODULATED RADIO FREQUENCY USING A NON-
DIRECTIONAL ANTENNA, AURAL RECEPTION OF
MODULATED RADIO FREQUENCY USING LOOP ANTENNA,
AURAL NULL INDICATIONS OF DIRECTION OF
ARRIVAL OF MODULATED RADIO FREQUENCY USING
LOOP ANTENNA.

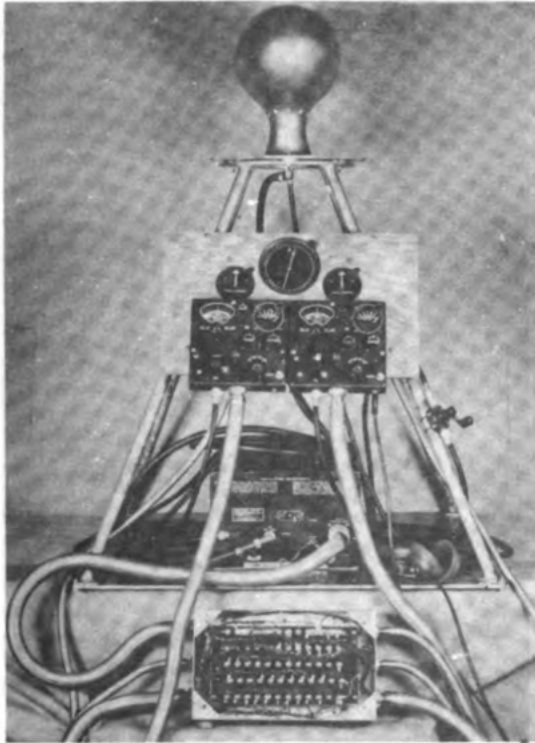
RANGE: (MILES)

TO COMMUNICATE WITH:

TO REPLACE IN PART:

TRANSPORTATION: AIRCRAFT INSTALLATION.

TYPE OF SIGNAL: CW & MCW.



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

PART C - PRINCIPAL COMPONENTS
(CLASSIFICATION: RESTRICTED)

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
80-443-A RADIO COMPASS UNIT	7 7/8	12	19 13/16	42.0	
2 80-444-A RADIO CONTROL BOX	7 1/2	7 1/2	3 15/16	4.0 EA.	
LP-19-A LOOP	25 5/8	13 1/2	9	7.06	
1-65-D COMPASS INDICATOR	3 1/4	3 1/4	4 9/32	1.6	
1-75 INDICATOR	5 1/8	5 1/8	2 11/16	1.37	
NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.					
COMBINED WEIGHT OF COMPONENTS:				56.59	
COMBINED VOLUME:				5327 CU IN.	
SHIP TONNAGE:				0.0445 T	