

Radio Set AN/CRC-1 is a VHF communication equipment for ground-to-air communication. It is designed to be dropped by parachute from an aircraft and is packaged to permit subsequent man-drawn mobility on the ground. It was improvised for use as interim equipment until a lighter and more compact parachute-dropped VHF equipment could be developed.

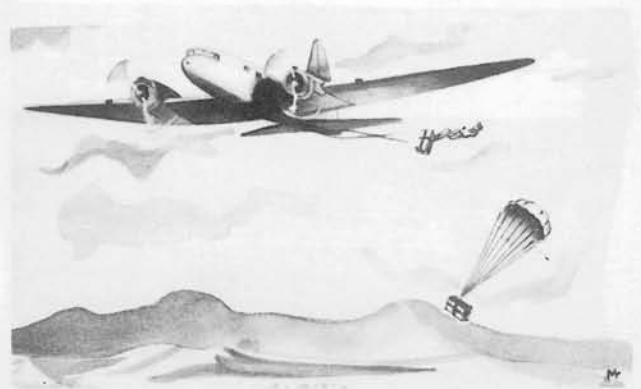
It consists mainly of the transmitter-receiver components of Radio Set SCR-522, Power Unit PE-214-A, Rectifier RA-62 and the necessary containers, parachutes and accessories. It is similar to Radio Set SCR-624 except for the elimination of remote control features, changes in power unit, packaging containers and parachutes arranged to minimize landing shock.

The set used a crystal controlled voice transmitter and a superheterodyne receiver. It operates over a frequency range of a 100-156 mc. Power is supplied from a 115/230 volt, 50-60 cycle a.c. power source.

Test equipment required for the maintenance and tuning of AN/CRC-1 includes Test Set I-139-A and Test Equipment 1E-36 for class A maintenance and Test Equipment 1E-19 for class B maintenance.

Army Supply Program requirements as of 1 December 1944 were 140 for the calendar year 1944.

POWER INPUT	325 WATTS
POWER OUTPUT	6 WATTS (peak)
FREQUENCY	100-156 MC.(4 preset crystals)
TYPE OF SIGNAL	VOICE
RANGES	LINE OF SIGHT TO 130 MILES (max.)

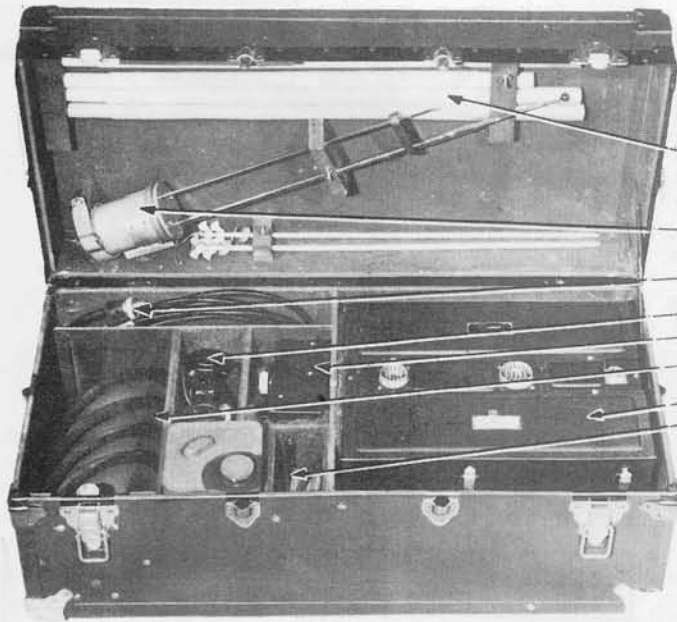


Radio Set AN/CRC-1 may be dropped (in two chests) from aircraft to provide forward ground troops or paratroops with means of transmitting information on which air support or relief may be organized.

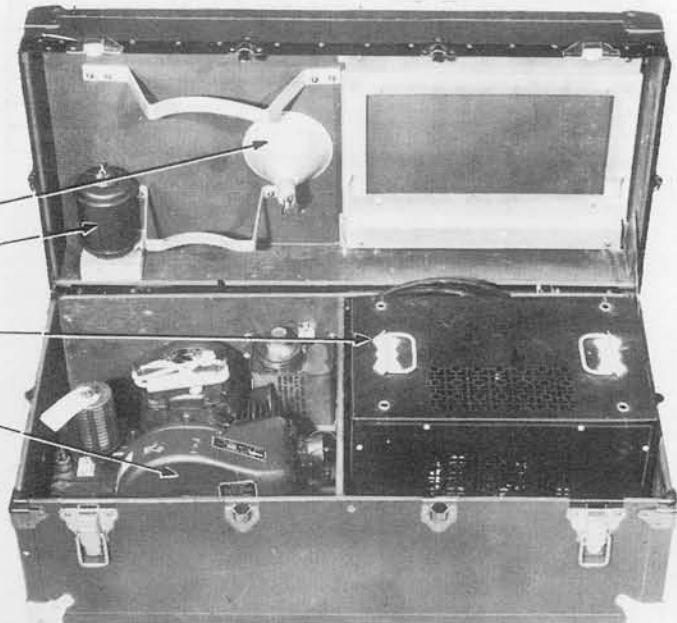
TUBE COMPLEMENT			
NO.	TYPE	NO.	TYPE
2	832	1	9002
3	12A6	3	9003
1	6G6G	1	12AH7GT
2	6SS7	3	12SG7
1	12J5GT	2	6X5GT/G
1	12C8	1	12A6GT
		2	5U4G



When assembled for operation, Radio Set AN/CRC-1 may be used as a ground-to-air command set to transmit information from ground troops to combat aircraft relative to strategic ground targets against which strafing or bombing action is desired.



- Antenna Mast
- Antenna
- Antenna Cable
- Microphone
- Control Box
- Wheels
- Radio Set
- Head Set



- Funnel
- Muffler
- Rectifier
- Power Unit

RADIO SET AN/CRC-1

TOTAL WEIGHT 275 LBS.

Component	Nomenclature	Size	Weight
Radio Receiver	BC-624		
Radio Transmitter	BC-625		
Rack	FT-244		
Case	CS-80		
Rectifier	RA-62		
Power Unit	PE-214-A		
Control Box	C-50/CRC-1		
Antenna	AT-18/CRC-1		
Chest	CY-26/CRC-1	34" x 17" x 15"	159 Lbs. *
Chest	CY-27/CRC-1	34" x 17" x 15"	116 Lbs. *

also earphones, headsets, cords, plug, etc.

Weights of chests includes components packed in each.