

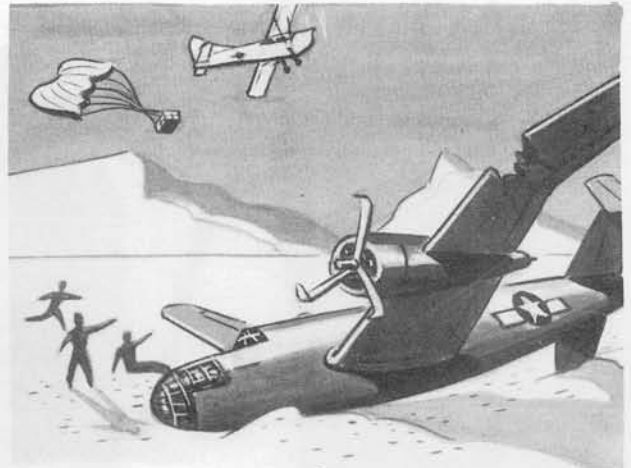
Radio Receiving Equipment AN/CRR-1 is a light-weight assembly of equipment including a battery operated radio receiver (Setchell Carlson Model #591) providing voice and modulated continuous wave reception over the frequency range of 195 to 405 kilocycles. The equipment also includes a headset, a disconnect cord, a length of antenna wire and a set of batteries. The assembly, weighing less than 15 pounds, is packaged in a water repellent container suitable for hand carrying. The use of a superheterodyne circuit with a stage of RF provides good sensitivity with ample selectivity.

Reception is provided over a range of 150 miles. This equipment, when used in conjunction with the sea rescue transmitter BC-778, which is a part of Radio Set SCR-578, will provide for two-way radio communication between aircraft forced down on the Arctic ferry routes and rescue agencies.

No special test equipment is required for maintenance.

Army Supply Program requirements as of 1 December 1944 were 420 for the calendar year 1944.

| TUBE COMPLEMENT | | | |
|-----------------|------|-----|------|
| NO. | TYPE | NO. | TYPE |
| 2 | 1LN5 | 1 | 1LH4 |
| 1 | 1LA6 | 1 | 1LB4 |



Radio Set AN/CRR-1 may also be dropped by parachute to isolated air-crews.

| | |
|----------------|---------------------------|
| POWER INPUT | 25 WATTS @ 24/28 VOLTS DC |
| FREQUENCY | 195-405 KC. |
| TYPE OF SIGNAL | VOICE; MCW |
| RANGE | 150 MILES |



Developed for emergency rescue work along the northern ferry routes, Radio Set AN/CRR-1 is used by stranded air crews to receive communications transmitted by rescue parties in the 195-405 kc. band, either voice or MCW. Transmission facilities for stranded parties is provided by SCR-578.

AN/CRR-1

UNCLASSIFIED



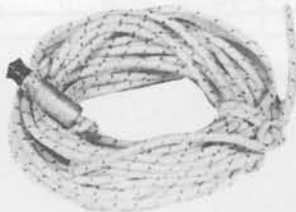
Battery AB-194



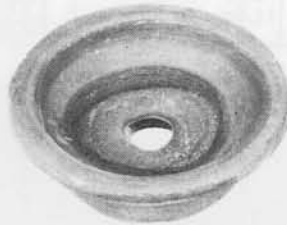
Receiver Model 591



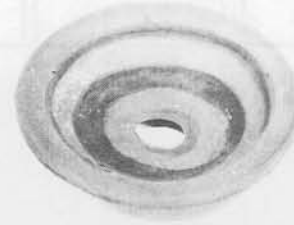
Battery AB-194



Antenna Wire



Ear Cushions



Headset HS-23



Disconnect Cord CD-198

RADIO RECEIVING EQUIPMENT AN/CRR-1

TOTAL WEIGHT 15 LBS.

| Component | Nomenclature | Size | Weight |
|------------------------|----------------------------|--------------|--------|
| Radio Range Receiver | Setchell-Carlson Model 591 | 4" x 4" x 7" | 4 Lbs. |
| Battery, Ray-O-Vac No. | AB-194 (2 each) | | |
| Headset | HS-23 | | |
| Cord | CD-307-A | | |
| Antenna Assembly | | | |