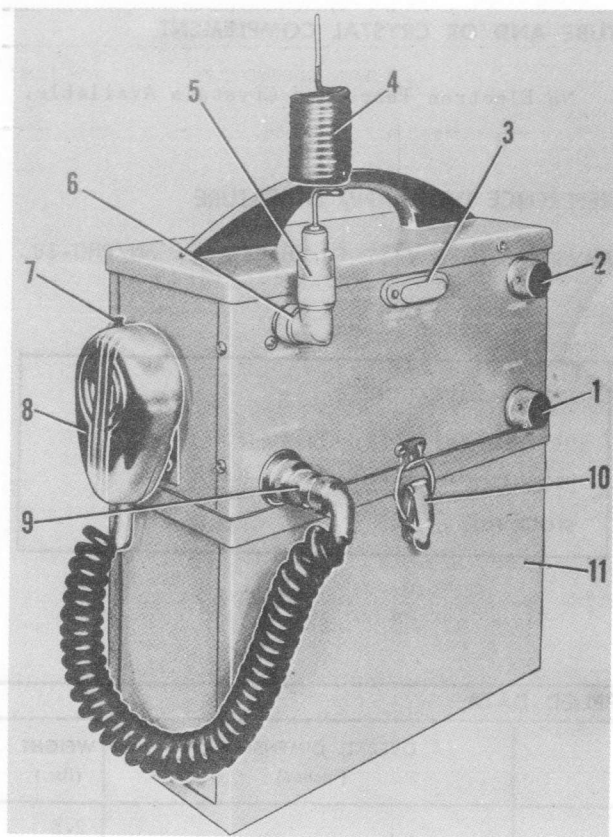


September 1956

## RADIO SET

Radio Transceiver

AN/PRC-33



Radio Set AN/PRC-33

1. Noise Squelch Control
2. On-Off Volume Control
3. Pilot Light
4. Antenna
5. Connector Adaptor
6. Antenna Input Connector
7. "Press to talk" Switch
8. Microphone
9. Microphone Input Connector
10. Latch
11. Battery Compartment

## FUNCTIONAL DESCRIPTION

The AN/PRC-33 is a complete receiver-transmitter unit designed for two way communication. It is supplied as a complete unit to fulfill the requirements of a complete portable station. The unit may be hand carried or back carried. It may also be used

as a semi-fixed unit by setting it on the ground or other positions as the service conditions require. The unit is usable under all normal field conditions and has been engineered to with-stand considerable shock and moisture.

No field changes in effect at time of preparation (19 June 1956).

## ELECTRICAL AND MECHANICAL CHARACTERISTICS

FREQUENCY RANGE: 30 to 42 mc.  
 TRANSMITTER POWER OUTPUT: 3/4 W.  
 TRANSMITTER FREQUENCY DEVIATION:  $\pm 15$  kc.  
 TRANSMITTER SPURIOUS RADIATION: 40 db.  
 TRANSMITTER FREQUENCY STABILITY:  $\pm 0.005\%$ .  
 RECEIVER SENSITIVITY: 0.5 mv.  
 RECEIVER SELECTIVITY: 75 db  $\pm 8$  kc.  
 SPURIOUS RESPONSES: 75 db.  
 RECEIVER AUDIO OUTPUT: 0.1 W.  
 TYPE OF EMISSION: F3.

## MANUFACTURER'S OR CONTRACTOR'S DATA

Industrial Radio Corp., Chicago, Illinois  
 Contract NObsr 64749, dated 14 Sept. 1955.

## TUBE AND/OR CRYSTAL COMPLEMENT

(8) 1AD4	(1) 1AJ5	(1) 3A4
(2) 3B4	(2) 5672	(1) 5676
(6) 5678		

Total Tubes: (21)

(2) AT-6

Total Crystals: (2)

## REFERENCE DATA AND LITERATURE

NAVSHIPS 92651: Technical Manual Radio Set AN/PRC-33.

TYPE CLASSIFICATION  
 DESIGN COGNIZANCE  
 PROCUREMENT COGNIZANCE  
 STOCK NO.

AN/PRC-33

RADIO SET

September 1956

EQUIPMENT SUPPLIED DATA

QUANTITY PER EQUIPT	NAME AND NOMENCLATURE	OVERALL DIMENSIONS (inches)	WEIGHT (lbs.)
1	Radio Receiver-Transmitter RT-359/PRC-33		
1	Antenna AT-673/PRC-33		
1	Case, Receiver-Transmitter CY-1916/PRC-33	4-1/2 X 10 X 11-1/2	15
1	Microphone		
1	Battery, Burgess A, No. 8F		
3	Battery, Burgess B, No. M39		



EQUIPMENT SUPPLIED DATA

QUANTITY PER EQUIPT	NAME AND NOMENCLATURE	OVERALL DIMENSIONS (inches)	WEIGHT (lbs.)
1	Radio Set AN/PRC-33		
(1)	Receiver-Transmitter		
(1)	Battery		