



AN/GRR-2

Figure 9. Radio Set AN/GRR-2.

Status: Limited standard. *Stock No.:* 2C4535. *Reference:* TM 11-874.

Radio Set AN/GRR-2 (Hallicrafters model SX-28) is a 15-tube superheterodyne receiver covering the frequency range of 0.55 mc to 42.0 mc in 6 bands. It is designed to receive a-m or keyed c-w signals. The set may be operated with the built-in internal power supply from an a-c source, or from an external d-c source

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE: Six bands, covering the following frequencies:

Band 1: 0.55 to 1.6 mc.

Band 2: 1.6 to 3.0 mc.

Band 3: 3.0 to 5.8 mc.

Band 4: 5.8 to 11 mc.

Band 5: 11 to 21 mc.

Band 6: 21 to 42 mc.

All six bands calibrated on main tuning dial for direct reading.

NUMBER OF CRYSTALS: 1.

ANTENNA: Any receiving antenna.

FREQUENCY CONTROL: Continuous tuning.

POWER SOURCE:

For a-c operation, line voltage must be within limits of 110 to 125 v at 50 to 60 cyc. A-c power consumption is 138 w for a 117-v, 60-cyc supply.

For d-c operation, a 6-v, 4.8 heater supply and a 270-v, 150-ma, high-voltage supply are needed. D-c power consumption is 108 w.

POWER OUTPUT: 8 w.

RANGE: Dependent on frequency and atmospheric conditions.

NUMBER OF TUBES: 15.

GENERAL APPLICATION

USE: General purpose receiver.

TO COMMUNICATE WITH: Any radio transmitter operating within frequency ranges of 0.55 to 42.0 mc.

INSTALLATION: Fixed station.

TYPE OF SIGNAL: A-m or keyed c-w signals.

PRINCIPAL COMPONENTS

<i>Name</i>	<i>Dimensions (in.)</i>	<i>Weight (lb)</i>
Radio Receiver AN/GRR-2	10 $\frac{3}{4}$ x 20 $\frac{3}{4}$ x 16 $\frac{1}{2}$	78

WEIGHT AND VOLUME

	<i>Unpacked</i>	<i>Export pack</i>
Total weight (lb)	78	125
Total volume (cu ft)		6
Ship tons		0.2