

# NEW RCA-808...

*added performance at lower price*

This outstanding new transmitting tube provides not one but a host of features never before incorporated in one tube type. Study these features carefully to assure yourself that this is the type to use in your new transmitter.

- 1 TANTALUM PLATE**—Gives high plate dissipation and assures freedom from gas.
- 2 LEADS**—Plate at top, grid at side, provide maximum insulation, maximum convenience of circuit arrangement, and low inter-electrode capacitances.
- 3 BULB STYLE**—Gives maximum heat dissipating area and cooler bulb for equivalent size tube. Large spacing between plate and bulb reduces possibility of gas evolution from bulb.
- 4 ELECTRODE SUPPORTS**—Constructed with minimum of insulating materials.
- 5 LARGE PLATE CAP**—Provides low contact resistance and greater strength.
- 6 HIGH PERVEANCE**—Perveance is a fundamental tube constant inversely proportional to tube impedance. A high-perveance tube is, therefore, a low-impedance tube. A high-perveance tube can be operated at reasonable plate voltages with high plate efficiencies, thus avoiding the necessity for costly high-voltage power supplies.
- 7 HIGH-MU GRID**—Requires less bias—is economical and convenient. Low cut-off voltage means low plate current at zero bias; thus, the tube is protected should excitation fail with grid-leak bias.



- 8 HEAVY DUTY FILAMENT**—7.5 volt, 4 amp. filament provides large reserve emission for heavy-duty operation.
- 9 CONSERVATIVE RATINGS**—Class C telegraph service: 50 watts plate dissipation, 1500 plate volts, 200 watts input power—RCA's conservative ratings assure long, economical, and satisfactory tube operation.



*for Amateur Radio*

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Address Amateur Radio Section, RCA Manufacturing Co., Inc., Camden, N. J.

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