

Radio Corp. of Ph.
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SPECIFICATION OF A 200 WATT SHORT
WAVE TRANSMITTER FOR MARINE AND
POINT TO POINT COMMUNICATION

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RT-3655

This transmitter has been designed to provide a semi-portable transmitter which will serve for Marine communication and also for point to point service. The complete equipment consists of four units:

- (a) Transmitter proper
- (b) Motor Generator
- (c) Motor Starter
- (d) Antenna send-receive switch

All units are ruggedly constructed and well finished to withstand hard continuous service. The following wavelength ranges are available:

- 20 - 30 meters
- 30 - 50 meters
- 50 - 90 meters
- 90 - 150 meters

The circuit is of the master oscillator power amplifier type. The master oscillator uses one low capacity 100-watt tube and the power amplifier uses two 100-watt four element tubes working in a push-pull or balanced circuit. The tuning operation is extremely simple, so that the set may be tuned to any wavelength within its frequency band in a few seconds, and all adjustments locked in position. Harmonic radiation is entirely negligible.

Means are provided so that a telephone attachment may be added. When the telephone feature is employed the modulation will be by the "frequency shift" method. Provisions are made for adding a crystal control unit to the