

COLLINS SIGNAL

Published by
COLLINS RADIO COMPANY

Designers and Manufacturers of
Transmitters, Transformers and Speech Equipment

CEDAR RAPIDS

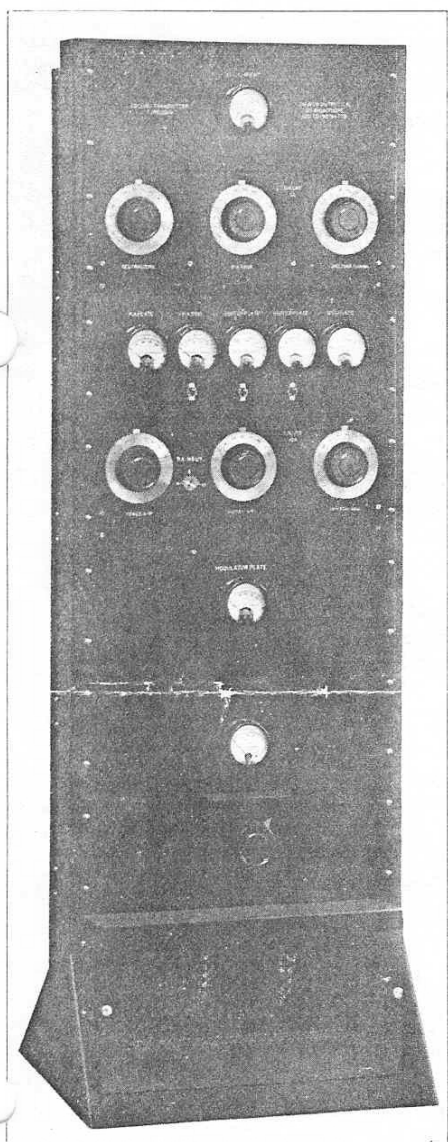


IOWA, U. S. A.

LIBRARY MAIN PLANT
Collins Radio Company
Cedar Rapids, Iowa

OCTOBER, 1933

150B TRANSMITTER



The 150B is a general purpose 100 watt radio telegraph and radio telephone transmitter. It is entirely self-contained except for speech input equipment and is ideal for amateur broadcast and general communication work. General specifications follow:

Rated Output—100 watts.

Frequency Range—1500—15,000 kc. (Provision for operation on higher and lower frequencies on special order.) Coils for one band furnished with transmitter.

Frequency Control—Direct crystal control.

Radio Frequency Tubes—47 crystal oscillator, 46 first buffer, 2-46's second buffer, 203A final amplifier.*

Rectifier Tubes—2-866's in 1200C 1000 volt power supply, 1-80 and 1-83 in low voltage power supplies.

Type of Modulation—The final class C amplifier is modulated by two 203A's class B.

Audio Frequency Range—70--10,000 cycles within ± 1.5 db.

Amplitude Distortion—Less than 5% at 100% modulation.

Maximum Percentage of Modulation—100%.

Keying—Grid block in second buffer. Provision is made for switching off the crystal oscillator to permit reception on the crystal frequency.

Power Source—110 volts, 60 cycles, single phase is standard. Provision for other voltages and frequencies on special order. Special converters and engine generators are available for use when no AC supply is obtainable.

*Some current models use the 10A excitation unit with a type 10 second buffer—otherwise identical.

