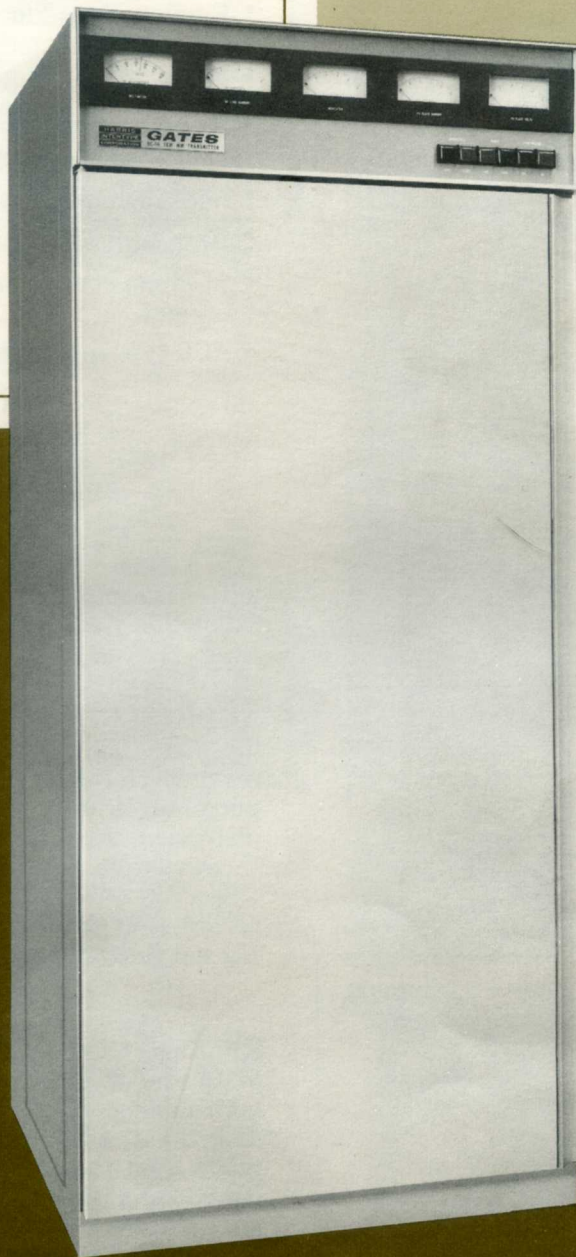


GATES

A DIVISION OF HARRIS-INTERTYPE

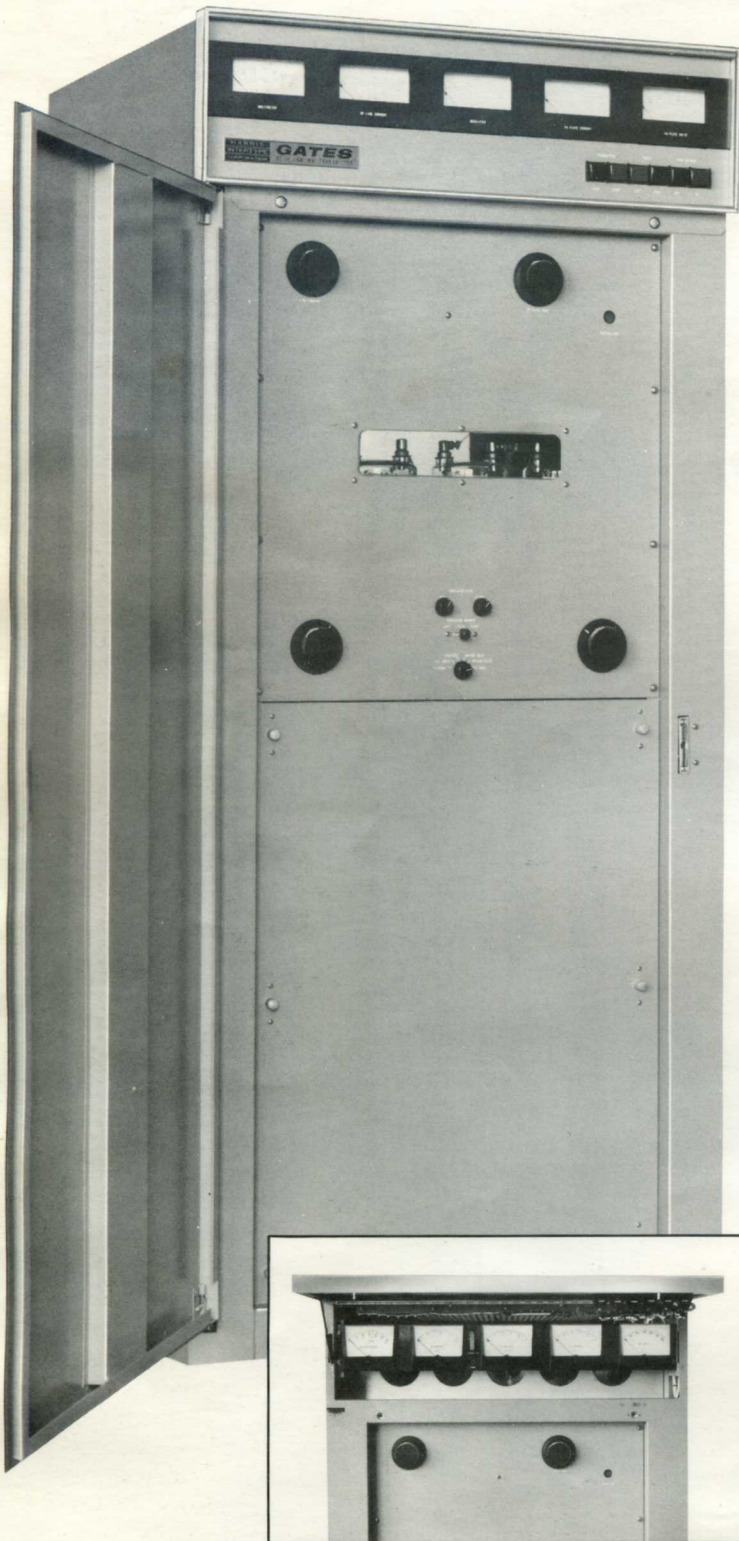
BC-1H
1000/500/250 WATT
AM BROADCAST
TRANSMITTER



BROADCASTING'S NEWEST 1000 WATT AM TRANSMITTER

BC-1H--WHAT BROADCASTERS

HIGH POSITIVE MODULATION CAPABILITY, LONG LIFE
MODULATOR TUBES FOR DEPENDABILITY, LOW COST



BC-1H front view, door removed. Hinged meter panel raises to allow easy access for inspection and maintenance. Meters are more convenient than ever as cabinet is only six feet high.

The accent is on performance and the emphasis is on reliability in this rugged new 1000 watt medium wave broadcast transmitter. Beautifully styled, the BC-1H is a transmitter designed with the broadcaster in mind. Some major features are:

- High positive peak modulation capability
- Highest reliability.
- Employs long-life 833A power amplifier and modulator tubes.
- Solid state oscillator and silicon rectifiers.
- Power consumption at 1 kW is only 3150 watts at average modulation.
- Built-in dummy load rated for full 100% modulation.
- 100% accessibility from front and back.
- Modern styling in attractive, functional 72-inch cabinet.
- FCC type accepted.

GENERAL: The BC-1H combines top quality audio, reliability, high positive peak modulation capability and unusually low power consumption to bring you the finest one kilowatt AM transmitter on the market today. Attractive in its modern styling, the BC-1H transmitter is completely self-contained in one sturdy steel cabinet only six feet (72") high!

AUDIO SECTION: Push-pull 807 tubes drive the long-life 833A high level modulator tubes, providing reserve performance capability to achieve modulation percentages up to 120% on positive peaks . . . with distortion products still within FCC specifications. Conservative circuit design has achieved excellent audio response with minimum audio distortion. Distortion is typically under 2% from 50-16,000 Hz under normal programming conditions.

RF SECTION: Dual vacuum-type ovenless crystal units and solid state components in the frequency determining stages generate a very stable signal. Frequency adjustment and crystal changeover are made from the front panel. Four RF stages provide isolation to assure better frequency stability. Two long-life 833A tubes feed 1000 watts into a newly designed full "T" output network with excellent tuning characteristics. A second harmonic filter helps provide an unsurpassed RF signal. The final amplifier and output network are tuned by large, variable edge-wound coils.

