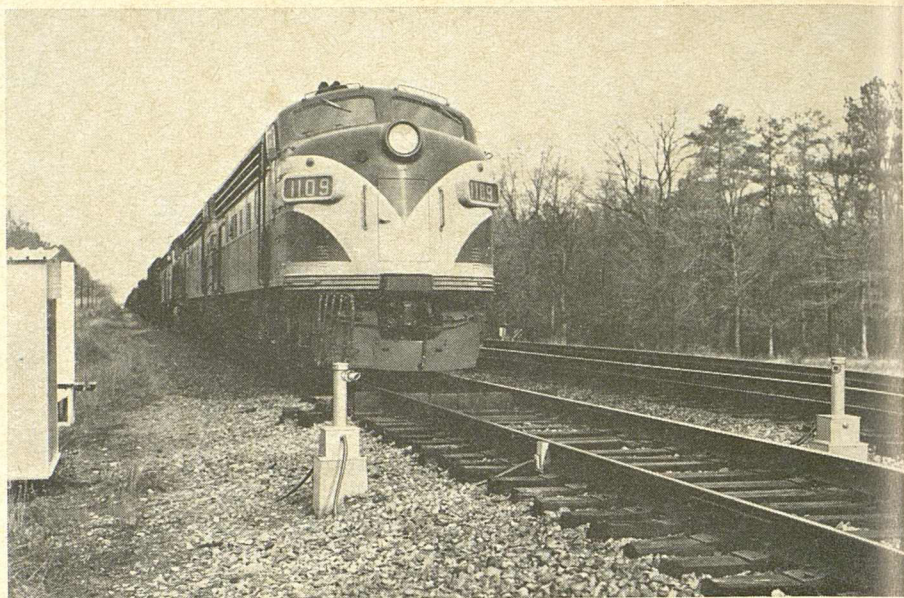
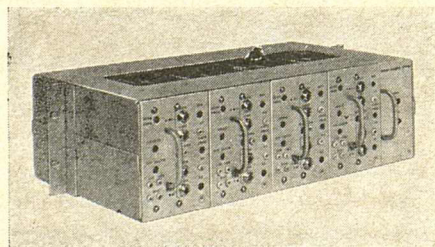


# PRODUCT NEWS



## Hotbox Detector

A new hotbox detector, known as the Journal Sentinel, scans the top of the freight car truck side frame. The new unit is reported to be able to provide reliable readings on journals containing either roller or friction bearings. The detector is actuated by a transducer attached to the rail, without the need for drilling holes in the rail. The sensing components are housed in a pair of 25" high aluminum standards. Other electronic gear is housed in a Reynolds Metal Co., 4 ft square aluminum housing enclosure, 7 ft tall. The enclosure is used as a shipping case, with the hotbox detector components bolted to a removable wood floor. *Railtron Corp. Circle 1 on Reader Service Card.*



## Voice Multiplex

A new, solid state, 48-channel FM voice multiplex equipment for microwave relay features toll quality performance, modular construction and battery operation. The unit is ideally suited for applications re-

quiring transmission of voice, VHF base station control, telemetering, data and facsimile.

MC-30 design and operation profit from the inherent advantages of FM modulation: no audio frequency displacement, no output level variation with change in microwave base-band level, simplicity and ease of modulation techniques, improvement factor over AM/SSB techniques and no need for synchronization or base-band regulators.

The unit is compact, light weight, and versatile. Each channel module contains transmitter, receiver, termination and DC regulator. Four channel modules plus an optional 120 volt AC power module occupy only 5¼" on a standard 19" rack. Additional modules can easily be added to accommodate system growth and new circuit requirements. Each channel is totally independent, only the 120 volt AC power module is common to a four channel group, if used.

Power options permit operation from 24-volt DC, 48-volt DC, or 120-volt AC. *Motorola Inc. Circle 2 on Reader Service Card.*

● **TERMINALS AND SPLICES:** A brochure describes solderless wiring hardware to perform a variety of jobs. Feature illustrations describe the basic tongue and barrel style terminals and their characteristics in-

*(Please turn to page 35)*