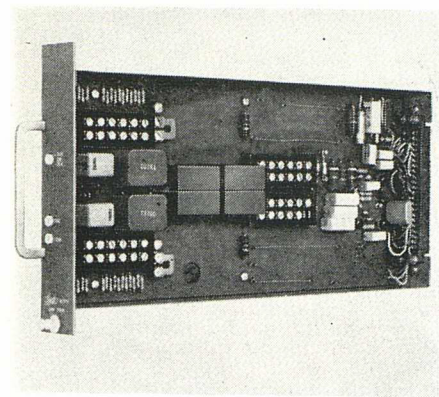


# NEW PRODUCTS REPORT



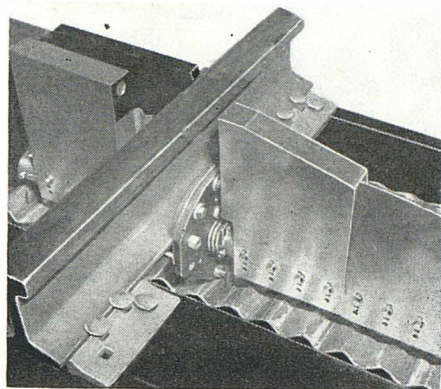
**System repeaters** (RA-1)

The B410 and B475 system repeaters are now available to provide compatible state-of-the-art repeater on modern "N" type systems. Two repeater amplifiers were developed for use with a common line-terminating unit. The two alternates are designated B410 ("N2") system repeater and the B475 ("N3") system repeater. Either may be used on any "N" compatible repeated system but each has its particular application. The B410 system repeater gives adequate performance on less demanding applications. The B475 System Repeater is recommended for all B475 and B450 ("ON") applications, as well as for all longer "N-Repeated Lines." Its design enables the use of as many as 40 repeaters in tandem, on lines up to 200 miles long. Stability is provided by silicon transistors that are less susceptible to fluctuations in ambient temperature. Screwdriver adjustment is used for: field adjustments, receive span-pad-loss strapping, and voltage regulator strapping.

The B475 repeater uses four types of equalizers to normalize the frequency response irregularities of cable. *Lynch Communication System.*

**Car retarder** (RA-4)

A new electro-pneumatic car retarder is designed to provide increased braking capability with reduced maintenance problems. The model 67 retarder has the same retardation capability when handling 160 ton cars as the model 32 retarder had to control 100 ton cars. Design changes consist of all-welded levers, beams and supports, utilizing a corrosion-resistant steel. These units are completely interchangeable with the castings used on previous models. *WABCO Signal & Communications Div.*

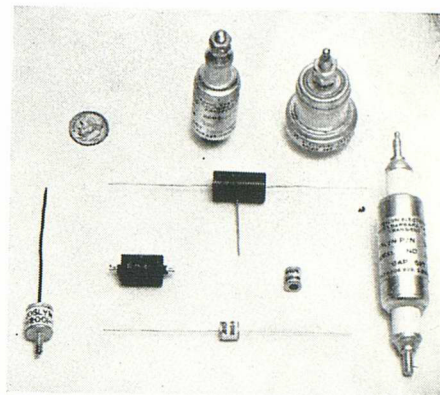


**Drag detector** (RA-2)

Scanning critical areas left open by other types of detectors is an important feature of a new dragging-equipment detector. It features electronic circuits that are interlocked to differentiate between dragging equipment and wheels. The detector is attached directly to the rails by insulated clamps. When the rails are deflected by a train the detector will move with the rails. The detector is self-restoring and can be used for main line or yard service. *Wheel Checkers.*

**Relay** (RA-5)

The subminiature HGR2MT is a high-speed mercury-wetted contact relay designed for low-level switching applications. Available with "common open time" characteristics, the relay is de-



**Spark gaps** (RA-3)

A new series of precision spark gaps has voltage breakdown capacity ranging from 450 volts to 1500 volts. Types 2009-01 through 2009-04 are designed to protect sensitive components in communications systems, countermeasures devices, antenna networks, and modulators. Maximum surge current handling capability of the complete line ranges from 10,000 amps to 40,000 amps. Included in the line are devices which employ the rotating arc principle. *Joslyn Electronic Systems.*

signed for applications which make use of the "capacitor transfer" analog multiplexing technique. This module combines sensitive, high-speed operation with a small-sized, low-profile enclosure for extremely compact printed circuit board mounting. *C. P. Clare & Co.*

## RAILWAY AGE

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