

Experience counts when you're talking about hot box detection



Railroad Products Division Chief Technical Advisor William Pelino (left) discusses details of the SERVOSAFE® Hot Box Detective system at trackside with Frank R. Woolford, Chief Engineer of the Western Pacific. Electronic engineer Pelino has removed the housing to show how infrared scanner employs patented "slant-aspect viewing" method to focus on optimum trailing edge of passing journal box.

No one understands real experience better than a railroadman. It's the incomparable knowledge, skill, technique, and judgment that comes only through being actively engaged in a particular kind of work for an extended length of time.

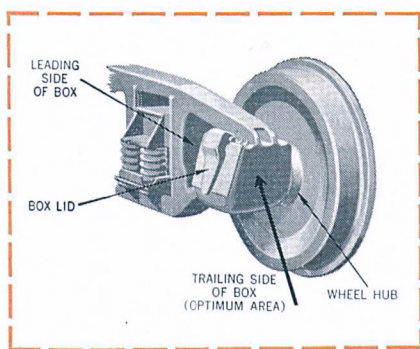
In evaluating modern hot box detection systems, railroad veterans naturally have high regard for Servo Corporation of America. Understandably so. Pioneers early in 1952 of the SERVOSAFE® Hot Box Detective* system, Servo's Railroad Products Division can speak with the authority of experience.

Substantiating this confidence is the experience of 28 major Class I railroads on which several hundred patented Detective systems have amassed approximately 3 million hours of successful operation over the past 4 years. What finer tribute and testimonial!

"There's no substitute for experience," it has been said with wisdom. This maxim holds especially true when you're talking about something as important as the hot box, and the best way to detect it.

Naturally, any railroad signaling and communications system such as the Hot Box Detective requires unusual knowledge, skill, and judgment in its application. With eight years of application engineering behind them, right at trackside, Servo railroad electronic specialists can make expert recommendations as to which of the six successfully operating SERVOSAFE systems should be installed at particular sites on particular roads. They can suggest best locations for scanners, recorders, hot box locators, and automatic alarms to provide peak efficiency and greatest operating flexibility and convenience.

Be safe with SERVOSAFE. Just give your experienced Servo man a call.



TRAILING EDGE SHOWS HOT BOX BEST

Tests conducted by a major Eastern railroad prove that the trailing edge of the journal box presents the optimum accessible area for hot box inspection. Presenting a low-mass path of thermal flux from the bearing, this spot responds most rapidly to bearing temperature changes. The SERVOSAFE® "slant-aspect viewing" method of scanning this optimum area is protected by Servo patents both in the U.S. and abroad. Hot boxes—as well as developing hot boxes—can best be detected the SERVOSAFE way.

*Protected under one or more of the following U.S. Patent Nos.: 2,880,309, 2,947,857 and 2,963,575. Other U.S. and foreign patents pending.



SERVO CORPORATION OF AMERICA

111 New South Road • Hicksville, L. I., N. Y. • WElls 8-9700

Railroad Products Division

SERVOSAFE® HOT BOX DETECTIVE* SYSTEMS
RAILROAD RADIO COMMUNICATIONS SYSTEMS

Electronic specialists to the nation's railroads • Sales and service centers coast to coast

FOOTNOTE FACTS:

Efficiency—SERVOSAFE roads report better than 90 per cent efficiency...in some cases as high as 100 per cent for consecutive periods over six months.

Savings—One road reports savings of over \$100,000 per installation per year, allowing amortization of the equipment in approximately one month.

New patent—Patent No. 2,963,575 covering automatic alarm hot box detection devices was issued to Servo Corporation of America on Dec. 6, 1960. Granting of this latest patent now protects with three patents various infrared detection systems pioneered and marketed by Servo Corp.