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*The Master Craftsmanship
Your Film Deserves*

HFC High-Speed Inspection Projector

BY HARRY TEITELBAUM

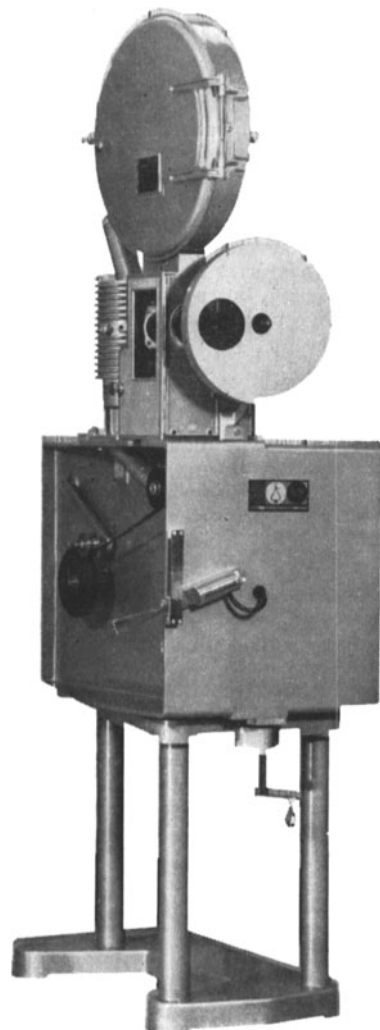
THE NEW HFC High-Speed Inspection Projector is designed for use in film-processing laboratories for the inspection of release prints. It was exhibited and demonstrated for the first time at the 91st SMPTE Convention, Los Angeles.

The projector is available for 16mm (HSP-16), 35/32mm (HSP-3532) and 35mm (HSP-35). It consists of a Simplex-type front-shutter mechanism mounted on a base with height and tilt adjustment, with lamphouse designed for a 500-w lamp on the 16mm and 35/32mm models and 1000-w lamp on the 35mm model. An electric blower for cooling is incorporated.

The 16mm and 35/32mm models have a nonadjustable speed of 144 ft/min (four times normal). In the 16mm model the aperture plate is designed to permit viewing two frames at a time, including the soundtrack area and half the perforation width on the opposite side. The 35mm model runs at 165 ft/min, adjustable by pulleys, and the aperture plate allows viewing across the film from the middle of the perforation on each side and vertically from frame line to frame line, one frame at a time.

The magazine and the take-up accommodate 3000 ft of 16mm film, or 35mm film, using cores in the magazine and cores in the take-up with a weighted idler guide wheel. The magazine and upper guide rollers are designed so that film can unwind from either the front or back of the feed reel. A free-wheeling take-off flange is provided. Open threading permits removal of the film in the middle of a reel without cutting.

Presented on May 4, 1962, at the Society's Convention at Los Angeles, by Harry Teitelbaum, Hollywood Film Co., 956 N. Seward St., Hollywood, Calif.
(This paper was received on May 16, 1962.)



The HSP-16, HSP-35/32 and HSP-35 all sell for \$2500 each, FOB Hollywood, Calif. Adaptation to handle reels instead of cores costs an additional \$250.

New Underwater Scuba-Diver Camera

By T. H. TRUESDELL

THE MILLIKEN DBM 9 is a new self-contained motion-picture underwater camera designed specifically for underwater use, including skin-diving, fixed-installation and remote-control applications; and hydrodynamic studies. It is submersible and leak-tight down to a

depth of 400 ft. The DBM 9 may also be used in humid environments such as spray, splash and steam.

The camera has a 400-ft internal film capacity. Film speeds range from 4 to 400 ft/sec and the film is moved by a dynamically balanced, intermittent transport with register pin. There is an external-reading film-footage indicator. The lens is an Elgeet Golden Novitar, 12mm, f/1.2. Shutters are available in openings from $7\frac{1}{2}^{\circ}$ to 160° , interchangeable and dynamically balanced.

Presented on May 4, 1962, at the Society's Convention at Los Angeles, by T. H. Truesdell, D. B. Milliken Co., 131 N. Fifth Ave., Arcadia, Calif.

(This paper was received on July 20, 1962.)