

new products

(and developments)

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Further information about these items can be obtained direct from the addresses given. As in the case of technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.

The optical "R" package rear sub-assembly flexible mounting to adapt the Rank Taylor Hobson line of Varotal V and XIV zoom lenses to most makes of professional color TV camera formats has been announced by Albion/Rank Taylor Hobson, 260 Rt. 303, W. Nyack, N.Y. 10994. The lens is mounted on a machine tool bearing assembly to facilitate the changing of the lens position, thus enabling the operator to focus on objects as close as one inch from the lens. To overcome the loss of zoom ability in extreme close-ups, the operator may use a third manual control to return the lens to its zoom-

SMPTE Test Films

The Society has over 50 test films available for testing sound reproduction and projection equipment for both TV and theatrical presentations.

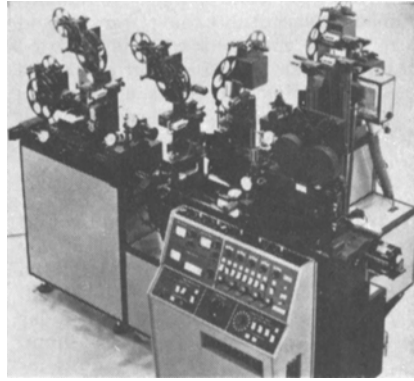
Most SMPTE test films are prepared in accordance with U.S.A./SMPTE Standards. The films are used for testing picture steadiness, traveling ghosts, framing, alignment, and focusing. Sound test films are used to check sound system frequency response, magnetic head or optical train alignment, and sound optics focusing.

A list of the groups of films follows:

- Television—Alignment, Resolution, TV System Evaluation
- 35mm—CinemaScope—Projection Evaluation; image and 4-track magnetic sound tests
- 35mm—Projector Screen Image Evaluation
- 35mm—Sound Reproduction Tests: Optical
- 35mm—Sound Reproduction Tests: 3-track and single-track magnetic
- 70mm—Test Film, Projector Evaluation and Alignment: Image
- 16mm—Sound Reproduction Test: Optical
- 16mm—Sound Reproduction and Image Tests for Projector Screen Image Evaluation
- 8mm—Projector Screen Image Evaluation

A catalog containing details and prices of all SMPTE test films can be obtained from Society Headquarters, Attn: SMPTE Test Films, 9 E. 41st St., New York, N.Y. 10017.

holding position. Built-in range extenders are optional for the Varotal V-R and XIV-R, and an X 1.75 or 3.0 may be similarly built into the V-R.



The new Oxberry Special Effects Optical Printer has been introduced by Berkey Technical, 25-15 50th St., Woodside, N.Y. 11377. The printer incorporates a newly developed optical light system designed to eliminate the conventional auto iris by use of a light valve whose output is maintained automatically for the camera in all positions in conjunction with four projector heads. The four heads provide two symmetrical systems consisting of a main projector head with an aerial image head and a beam-splitter head with a beam-splitter aerial image head. The new Oxberry 1700 Series Model 5117-80 can be purchased as a single module, or two or three or four modules, or the modules may be added at any time. The electrical system is built around printer circuits with all electromechanical drives readily accessible. The price range is from \$54,000 to \$125,000.



Dynalens Model S-038, a new model of an electrooptical lens device, has been announced by Dynasciences Corp., Township Line Rd., Blue Bell, Pa. 19422. (An earlier model was described in the October 1965 issue of the *Journal*, "A Gyro-Stabilized Lens System," by K. Blair Benson and John R. Whittaker.) The new Dynalens has a clear aperture of 3.8 in. It is a smaller version of the 6-in. Dynalens used for night sights, TV and motion-picture cameras for jitter-free long-lens shots when the camera is disturbed by vibration and motion. The TV version of Model S-038 is sized for compact color cameras with portable mounts. The head is approximately elliptical, measuring 7 by 9 in. It is 4 in. deep and weighs 5.5 lb. The range of angular compensation is $\pm 4^\circ$. It is made for all lens configurations of clear aperture less than 96mm, but it is adaptable to other optical arrangements. It is designed for the requirements of camera use in helicopters, airplanes, boats, vehicles or walking. It operates on 28 to 32 V dc or 115 V ac. The price is \$8,500.

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