

Bell & Howell's Exhibit Wins 107th Conference Award

Bell & Howell's Professional Equipment Div., Chicago, IL was recently awarded a plaque as recognition for having the Outstanding Exhibit at the 107th Conference of the Society of Motion Picture and Television Engineers, held April 26-May 1 in Chicago.

Presenting the award to Lloyd Shanks, (right center) marketing manager, Bell & Howell Professional Equipment Div. is Denis Howe (lc), Arrangements Chairman for the Conference and Chairman of the Chicago Section of SMPTE. Also responsible for the Bell & Howell exhibit were Milton McDaniel (l) and Charles Zichterman (r), two regional sales managers for the Professional Equipment Division.

The Outstanding Exhibit award is presented after each semiannual Conference to the exhibitor having the best display based on overall design and arrangement. Bell & Howell's award winning exhibit was a complete array of their professional film processors and printers.

Among the film processing and printing equipment exhibited by Bell &



Howell were the 80 FPM Reversal Original (TV) Processor; 16mm/S8, ME-4/Gevachrome, daylight operation, auto-burette replenishers, and "fail-safe" monitor systems. Also shown at the Bell & Howell exhibit were the Continuous Contact Additive Printer for dual rank super 8 (1-3 and 1-4 format) with light valve monitor; the Bell

& Howell/Depue Step Optical Reduction Printer for 16mm to dual rank (1-3) super 8; Bell & Howell/Research Products 35/16 Combination Optical Step Printer with additive color, automatic skip frame, multiple frame programmer and dual clutch system; in addition to the Bell & Howell/Sargent Welch Densitometer and pH meter.



Academy Awards

Seven technical awards for 1969 were presented by the Academy of Motion Picture Arts and Sciences — most of them, as in years past, to SMPTE members and sustaining member firms. Class II Awards were presented to:

Hazeltine Corp. for the design and development of the Hazeltine color film analyzer;

Fouad Said for the design and introduction of the Cinemobile series of equipment trucks for location motion-picture production; and

Juan de la Cierva and Dynasciences Corp. for the design and development of the Dynalens optical image compensator.

Class III Awards were presented to:

Otto Popelka of Magna-Tech Electronics Co. for the development of an electronically controlled looping system;

Fenton Hamilton of MGM Studios for the concept and engineering of a mobile battery power unit for location lighting;

Panavision, Inc., for the design and development of the Panaspeed motion-picture camera motor; and

Russel Hesty of Universal City Studios for a machine-gun modification for motion-picture photography.

The Hazeltine color film analyzer (Series 200) was substantially reduced in size from earlier models through the use of solid-state circuitry (*Journal*, p. 1034, Nov. 1969). It was introduced at the Society's 106th Technical Conference in Los Angeles. The new color film analyzer incorporates a number of improvements, including a new type of color flying-spot scanner tube. The early Hazeltine color film analyzer was described in the *Journal* (p. 1056, Nov. 1965).

The Cinemobile "rolling studio" designed by Fouad Said (*Journal*, p. 398, May 1969) was first used on foreign locations for filming the *I Spy* television series.

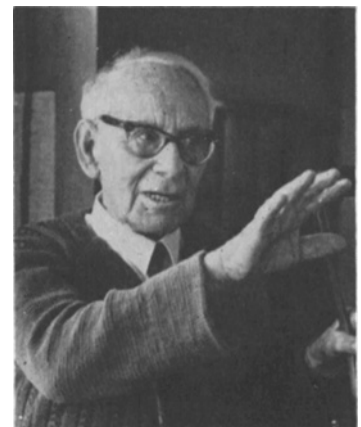
The new Dynalens (an earlier model was described by Benson and Whittaker in the October 1965 issue of the *Journal* ("A Gyro-Stabilized Lens System")), is described as the "civilian version" for industrial use. The device was originally developed for military use. Using small, built-in gyroscopes for reference, it adjusts its optics to stabilize the angle at which light enters the camera. Another version, the S-038, was described in the November 1968 issue of the *Journal* (p. 1269).

The Magna-Tech electronic looping system is described on a later page of this issue of the *Journal* in the New Products and Developments column.

The Panaspeed motor incorporates a sync pulse for sound synchronization but its accuracy is such that it can be used with crystal-controlled sound recorders with no connecting cables. The motor fits all Panavision and Mitchell studio cameras and performs the functions of both a multiduty motor and a wild motor. Early

Panaspeed motors have been used by motion-picture studios throughout the world for more than two years.

Russell Hesty, the gunsmith for Universal City Studios, modified the U.S. Browning 50 Cal. machine gun so that it could be operated through its complete cycle without firing the ammunition, thus enabling the camera to move in for close shots without danger to actors or cinematographers. The firing can be simulated if the muzzle of the gun is not photographed.



SPSE Honors Dr. Emanuel Goldberg

Dr. Emanuel Goldberg, 88, has been made an Honorary Member of the Society of Photographic Scientists and Engineers — the highest honor bestowed by that Society. Now residing in Tel Aviv, Dr. Goldberg studied in his native Moscow, as well as in Leipzig (with Wilhelm Ostwald) and Goettingen (with Walter Nernst). In 1907 he became a professor in the Acad-