



Auditors Arthur Johnson and Kenneth Jones.



Public Address and Recording Chairman C. Carroll Adams III.

Acknowledgments

The Society expresses its thanks to the following companies for providing necessary service and equipment: Eastman Kodak Co., Projection Equipment; DeLuxe-General and Consolidated Film Industries, Projection Equipment Operators; Conrac Corp., Color Television Monitors; Ampex Corp., High Band Color Video-Tape Recorder; American Broadcasting Co. and Technicolor Inc., Secretarial Services; Pacific Telephone Co., Message Center; 3m Co., photocopy machine.

The Society is also grateful to Loew's Theaters, Pacific Theaters and National General Theaters for providing complimentary admissions for nonroadshow features to SMPTE Conference registrants and guests.



Hotel Arrangements Chairman Vaughn Shaner and SMPTE Sections Vice President Wilton R. Holm.



Harold Wright

Winter TV Conference in Toronto

Harold Wright, Canadian Broadcasting Corp., Toronto, Ontario, Canada, reports that he is still accepting papers for the forthcoming Winter Television Conference, January 18 and 19. The Conference will be concerned with broadcast problems in color television. Author Forms should be submitted by September 16, 1968, with three copies of the synopsis. Send these to SMPTE Headquarters, Att: SMPTE Winter TV Conference, 2d Floor, 9 East 41st St., New York, N.Y. 10017.

Manuscripts are due on October 14. The original and three copies of the paper should be sent to the SMPTE address noted above.

BKSTS Journal for SMPTE Members

The *Journal of the British Kinematograph, Sound and Television Society* may be made available on special terms to SMPTE members who reside in the U.S.A. and Canada. The SMPTE and the BKSTS are now studying the feasibility of making an arrangement that would be advantageous to members of each Society. BKSTS members in Britain would receive the *SMPTE Journal* on reciprocal terms. The two societies have cooperated closely in the past and this proposed arrangement should bring the members of both organizations into still closer communication.

It is proposed that a quantity of *BKSTS Journals* be airlifted to this country each month for addressing here to SMPTE members. The annual cost would be in the area of \$7 to \$9.

In order to plan such an exchange, expressions of interest by SMPTE members in the U.S.A. and Canada are solicited. Please address: SMPTE, 2nd Floor, Att: Editorial, 9 East 41st St., New York, N.Y. 10017. Further details and specimen copies of the *BKSTS Journal* will soon be available.

The *BKSTS Journal* is one of the most respected publications in the field of motion-picture and television engineering. Scien-

tific and technological papers of consistently high quality appear in each issue. We look forward to hearing from the many SMPTE members who will surely wish to take advantage of this opportunity.

The Association for High-Speed Photography held its Spring Conference and Annual General Meeting on April 8 at the Polytechnic, Regent St., London, at the invitation of the School of Photography and with the cooperation of Alan Horder. About 100 persons attended. The papers program included "An Optical Scanning Turbo-Prism" by J. W. Gates and R. G. N. Hall. The instrument described had been designed by the two authors for laser applications. Its most unusual characteristic is that its mean optical axis and the prism's axis of rotation are coincident. A paper on "Vibration Patterns Observed by Hologram Interferometry" was presented by E. Archibald. Authors of both papers are with the Optical Metrology Group at the National Physical Laboratories in Teddington. A paper on "Electron Tubes for High-Speed Photography" was presented by A. Krause of Twentieth Century Electronics. The afternoon session was devoted to reports by manufacturers on film emulsions. R. Harris, representing Kodak Ltd., spoke on "Photographic Materials for High-Speed Photography." R. Coleman represented Ilford and spoke on "Photographic Materials for Laser Photography."

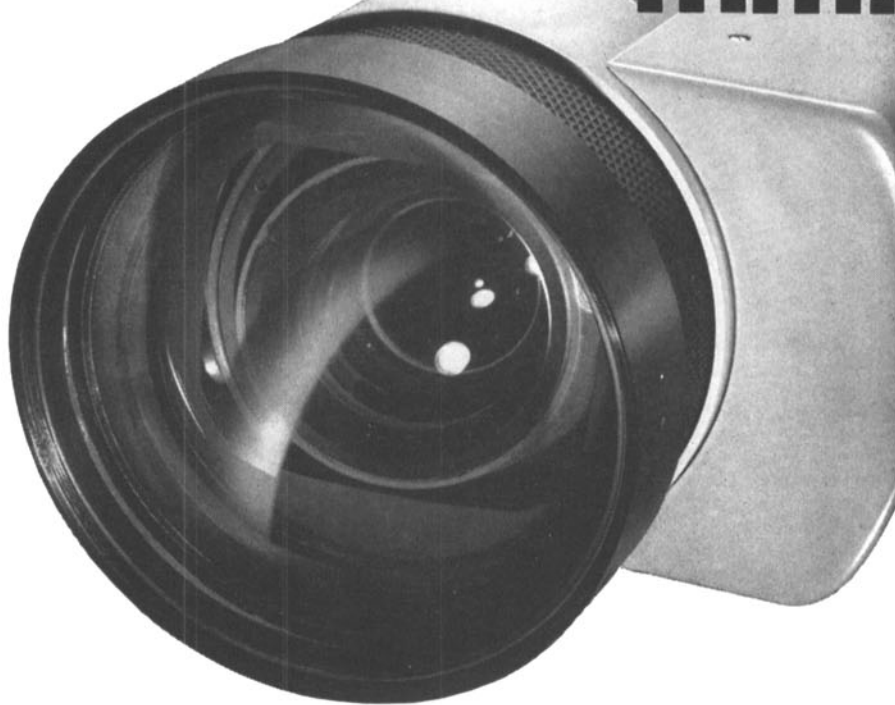
AHSP has also announced results of its election of officers: *Chairman*, D. P. C. Thackery; *Vice-Chairman*, J. Hadland; *Secretary*, J. A. Nunn; *Treasurer*, R. J. Cox; and *National Delegate*, G. H. Lunn.

The next national meeting of the AHSP will be held October 21-22, 1968, in Bath.—*George H. Lunn*, 57 Whitedown Rd., Tadley, Hants.

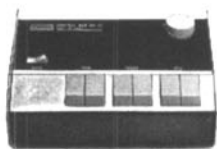
Development of a new color converter has been announced by British Broadcasting Corp., Broadcasting House, W.1, England. The new converter is a further development mentioned by Rout and Davies ("Electronic Standards Conversion for Transatlantic Color Television," *Journal*, pp. 12-16, January 1968) and in the 1967 Progress Report (*Journal*, p. 523, May 1968). The new converter has been designed to overcome certain limitations of the original converter. First, the original converter required the field frequencies of the input and output signals to be rigidly locked together in a 6:5 ratio and thus the two signals could not simultaneously conform to the United States color field frequency of 59.94 Hz and the European color field frequency of 50.00 Hz. Second, the converter, which was based upon the simplest concept capable of providing useful converted color pictures, did not provide means of expanding or contracting the duration of an incoming field period to match the field duration of the outgoing standard. Thus, the pictures from the United States appeared smaller in size on European screens and pictures from Europe would "over-spill" the United States raster. The more advanced design of the new converter overcomes these drawbacks.

The new converter is expected to be ready for operational service in time to convert color pictures from the Olympic Games in Mexico in October to 625-line 50-field PAL. These converted signals will be used

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for the BBC-2 color network and distributed for use by European color networks either as PAL or, after transcoding, as SECAM.

A paper describing the new converter will be read at the International Broadcasting Convention in London to be held September 9-13, and it is possible that a demonstration will be given at that time.

A third development of the converter is being planned. The third color converter will be designed to function as an inter-continental standards converter or as a synchronizer capable of bringing remote color sources into exact synchronization with local cameras.



Christopher S. Law is the recipient of the third scholarship award to be granted under the scholarship program established by the Education Committee of the Society (*Journal*, p. 1032, Nov. 1965). Mr. Law is 19 years old and is in his junior year at Rochester Institute of Technology. He decided on photography as a career while he was still in high school when he became photography editor of the yearbook. He was also interested in engineering so, after investigating the curricula of various colleges and talking with engineers he decided to attend RIT. Mr. Law said that he regrets that he has to take extra credit hours to take courses in mathematics and engineering, but that otherwise he is very happy with the program. He is working toward the B.S. degree and he hopes to attend graduate school.

The first scholarship award went to Jan Leith Meades (*Journal* p. 258, March 1966) and the second scholarship was awarded jointly to Lincoln Perry and Robert Van Arsdell (*Journal*, p. 918, Sept. 1966).

Film '69—The International Film Technology Conference and Exhibition will be held June 23-27, 1969, at the Royal Lancaster Hotel in London under the auspices of the British Kinematograph, Sound and Television Society. It will be the first of a series of conferences to be held at regular intervals in London for the benefit of users of motion pictures in such fields as advertising, medicine, education, research, home entertainment, television, industry and training. The conference will cover picture and sound recording and reproduction in production, processing, distribution and exhibition of motion-picture film in all widths. Scientific and technical papers will be presented covering latest developments and techniques in the main fields of motion-picture usage with attention to the specialized interests of societies and associations whose aims include promotion, development and efficient usage of motion-picture film. It will be emphasized that 8mm is not a toy and that use of 16mm has

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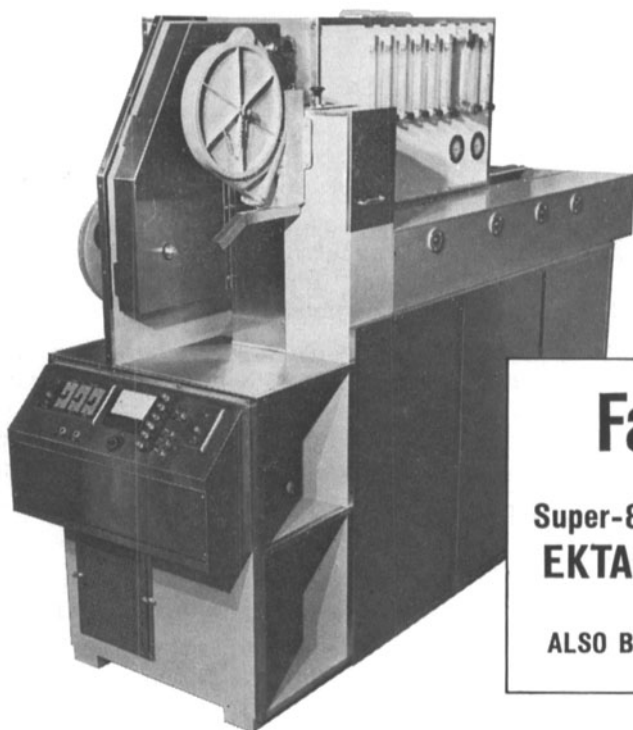
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increased until it stands equally with 35mm and 70mm. Film '69 will also present the possibility of adoption of other film widths.

The announcement noted that London is the geographical center of film technology, being 3,500 miles east of Washington, D.C., 1,630 miles from Moscow and within easy reach of all of Europe. In addition to the technical papers program there will be an exhibit of equipment and a program of visits to studios, plants, laboratories and theaters arranged to complement the papers program and the exhibits. Arrangements Chairman for the event is R. R. E. Pulman. Further information is available from the Secretary, Paul D. McGurk, 110/112 Victoria House, Vernon Place, London W.C.1, England.

The Society of Photographic Scientists and Engineers will hold a tutorial seminar on Ultra-Microminiaturization November 6-7 at the Cabana Motor Inn in Palo Alto, Calif. Subjects will include Equipment Design and Performance, Optics, Photosensitive Materials, Techniques and Processes, Metrology and Inspection, Semiconductor Evaluation, Unconventional Exposure Methods and Resolution and Quality Evaluation. Additional information is available from the Society of Photographic Scientists and Engineers, 1330 Massachusetts Ave., N.W., Washington, D.C. 20005.

The Institution of Radio and Electronics Engineers Australia will hold its 12th bi-annual National Convention May 19-23, 1969, in Sydney. Main topics to be covered at technical sessions include Basic Sciences and Techniques; Industry and Industrial Electronics; Communications; Electronic Systems; Computers and Data Processing; Instrumentation; Materials Components and Production Processes; Bio-Medical Electronics; and Professional Activities. Deadline for receipt of papers to be presented at the convention is December 1, 1968. Further information is available from The General Secretary, The Institution of Radio and Electronics Engineers Australia, Box 3120 G.P.O., Sydney, N.S.W. 2001, Australia.

The 7th annual Independent Film Makers Festival held at Foothill College, 12345 El Monte Rd., Los Altos Hills, Calif. 94022, May 11 and 12, was attended by more than 3,000 persons. First prize of \$400 went to *Chinese Firedrill* produced by William Hindle of San Francisco, who described it as a "pitiful personal affirmation amid the absurd." Second prize of \$300 was awarded to *Of Eh* by Cengiz Yetken of Philadelphia and third prize of \$200 to *The Bed* by James Broughton of San Francisco. Six prizes of \$100 were awarded and three films received Honorable Mention. The Foothill Festival is believed to be the oldest of its kind devoted to recognizing the work of independent and individual film makers.

The Commission on Instructional Technology has invited individuals and organizations interested in the use of television, radio, computers, video tapes, films and other media for instructional purposes to express their views for use in a comprehensive study now underway. Letters expressing views and recommendations of educators, including media specialists, manu-

in the
winner's
circle



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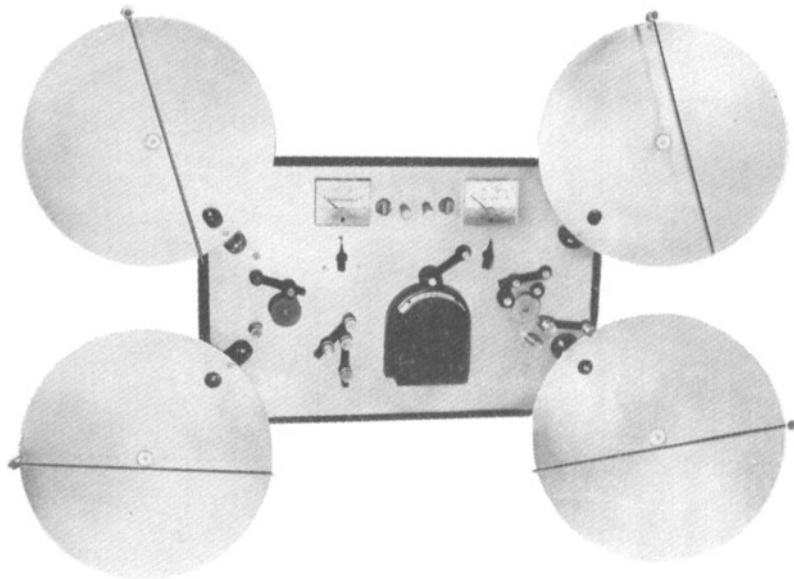
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facturers, publishers and other interested persons should be sent to Sidney G. Tickton, Executive Director, Study of Instructional Technology, 1424 Sixteenth St., N.W., Washington, D.C. 20036.

The U.S. Institute for Theatre Technology will hold its National Conference March 17-20, 1969, in Los Angeles. The conference will include sessions on problems of the modern theater, projection, scenery, plastic material, front of the house operations and thrust stage techniques, as well as tours of Southern California motion-picture and theater facilities. Additional information is available from Tom Lehman, USITT Conference Registrar, c/o Beckman Auditorium, Caltech, 1201 E. California Blvd., Pasadena, Calif.

Brigham Young University held its second annual Recording Seminar during August on the campus at Provo, Utah. Subjects covered included professional recording techniques, acoustics, mixing and editing. Various equipments were displayed and discussed. Special features of the seminar included a discussion of copyright laws and contracts, multitrack recording and compatible recording for tape and disc.

A series of four four-day meetings on high-speed photography were conducted by Red Lake Laboratories, Inc., 2971 Corvin Drive, Santa Clara, Calif. 95051, during June and July. The meetings were held at Austin, Tex., Las Vegas, Chicago and Cincinnati. The sessions, which were directed at scientists, engineers and technicians, covered the history and theory of high-speed photography. Discussions concerned new techniques and equipments and practical applications.

A new type of holographic plate material, dichromated gelatin, has been developed at Bell Telephone Laboratories and used for recording high-density information and for producing spectroscopic diffraction gratings. Efficiencies as high as 96% have been reported for plates using the new holographic material as compared with efficiencies of less than 6% for conventional holographic plates. Therefore, much less powerful lasers can be used to reconstruct images from hologram plates made from dichromated gelatin than from those using conventional materials. Although dichromate compounds have long been used in photography, this is the first technique developed to allow their use in holography. In the Bell Laboratories technique, a dichromated gelatin film, exposed to an argon laser beam, is developed by mildly agitating it in water. The film is then rinsed in isopropanol, or some other water-like solvent and finally air-dried. The resulting grating can be protected against the effects of humidity variations by coating it with a lacquer that does not cause a significant loss of diffracting power.

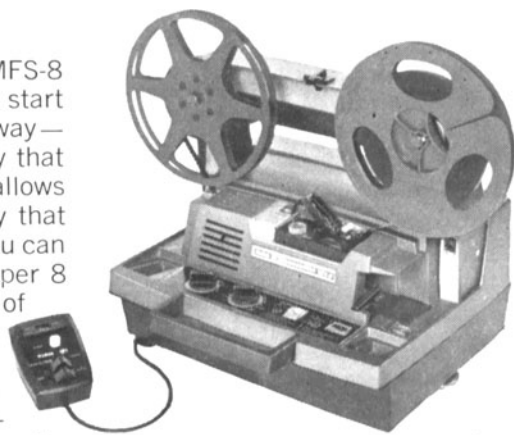
Tele-diagnosis units, enabling immediate medical attention to an emergency victim by a distant physician, have been installed at Massachusetts General Hospital and Logan Airport (Boston). The first demonstration was held June 30 and shown on two-way closed-circuit television in Boston and New York. In the demonstration, a simulated "emergency victim" was re-

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moved to the airport facility. Sensitive physiological sensors, developed by Gulton Industries of Metuchen, N.J., were attached to the patient. The sensors monitor the pulse rate, respiration rate, systolic pressure, heart sounds, breathing sounds and an electrocardiogram. These physical manifestations were transmitted to Massachusetts General Hospital via a wireless microwave link and displayed on an oscilloscope screen. The doctor then analyzed the symptoms indicated on the screen and was able to see and speak with the patient. At the same time this long-distance diagnostic procedure was going on, meter readouts were being transmitted, paralleling the meter readouts at the airport, to provide a continuous flow of information about the patient's fluctuating condition.

The Multiscreen Scenery Projection System, developed by Dr. Elemer Nagy, 21 Beverly Rd., West Hartford, Conn. 06119, has been described as "painting with light." The system uses translucent glass-fiber screens, each with a twin-projector unit transmitting the desired scene, painted on prepared slides, onto the panel from the back. A number of screens may be employed, usually from three to seven or more, depending upon the size of the stage. The screens are placed in various positions on the stage floor or elevated on platforms. Each screen requires its own twin-unit projector which is placed directly behind the screen, about four to six feet in distance. Scene changes can be accomplished by changing or cross-fading the slides. The

screens may be set up as stationary units to serve the entire performance or rearranged in new positions for each scene.

The twin-projector is designed on the principle of point source illumination. The use of the twin units permits continuous operation for changing the slides, cross-fading or superimposing images. There is a great variety for color medium combinations and animated effects such as clouds, lightening, waterfall, undersea and others. Corresponding to the size of the screens, the slides are 16 x 12, 16 x 16 and 16 x 20 in. They are made of commercially available optically clear Plexiglas or treated acetate sheets mounted between two sheets of Plexiglas. The screens are usually about 12 ft high. The system has been used for a number of theater productions. Dr. Nagy has stated that with some adaptations it could be used for motion-picture and television productions.

The Georgia Heart Hour, a program designed to bring medical information via television to some 4,000 physicians throughout Georgia, is an experimental program utilizing helical-scan video tape for the first time over the George ETV network. Five health agencies are participating in the program which is broadcast every other Wednesday over 10 Georgia television stations. Most of the programs are selected from postgraduate courses presented by the American Heart Association, the American College of Cardiology, and the Department of Medicine, Emory University School of Medicine. Typical programs are "The

Electrocardiogram Diagnosis of Myocardial Infarction" with E. Harvey Estes, M.D., Professor and Chairman of the Department of Community Health Sciences, Duke University Medical Center; "Treatment of Angina Pectoris and Myocardial Infarction" and "Coronary Care Units." Director of the program is J. Willis Hurst, M.D., Professor and Chairman, Department of Medicine, Emory University School of Medicine.

Crowell Collier and Macmillan, Inc., 866 Third Ave., New York, N.Y. 10022, has purchased Association Films, Inc., New York, a distributor of sponsored and educational films to nontheatrical and television audiences. The firm was founded in 1911. It will operate autonomously as a subsidiary of Crowell Collier and Macmillan. Robert D. Mitchell will continue as President and no personnel changes are contemplated. The purchase of Fleetwood Films, Inc., Mount Vernon, N.Y., was announced earlier.

TV Zoomar has moved its headquarters from Stamford, Conn., to 55 Seacliff Ave., Glen Cove, N.Y. 11542, and will function as a marketing division of Zoomar, Inc. Previously it had functioned independently with responsibility only for professional TV equipment sales to broadcasters. Under the new arrangement, TV Zoomar, while retaining its name and broadcast responsibility, will operate as an integral marketing division of Zoomar, Inc., with responsibility for industrial TV lenses and other products plus outside equipment agencies and distributorships.

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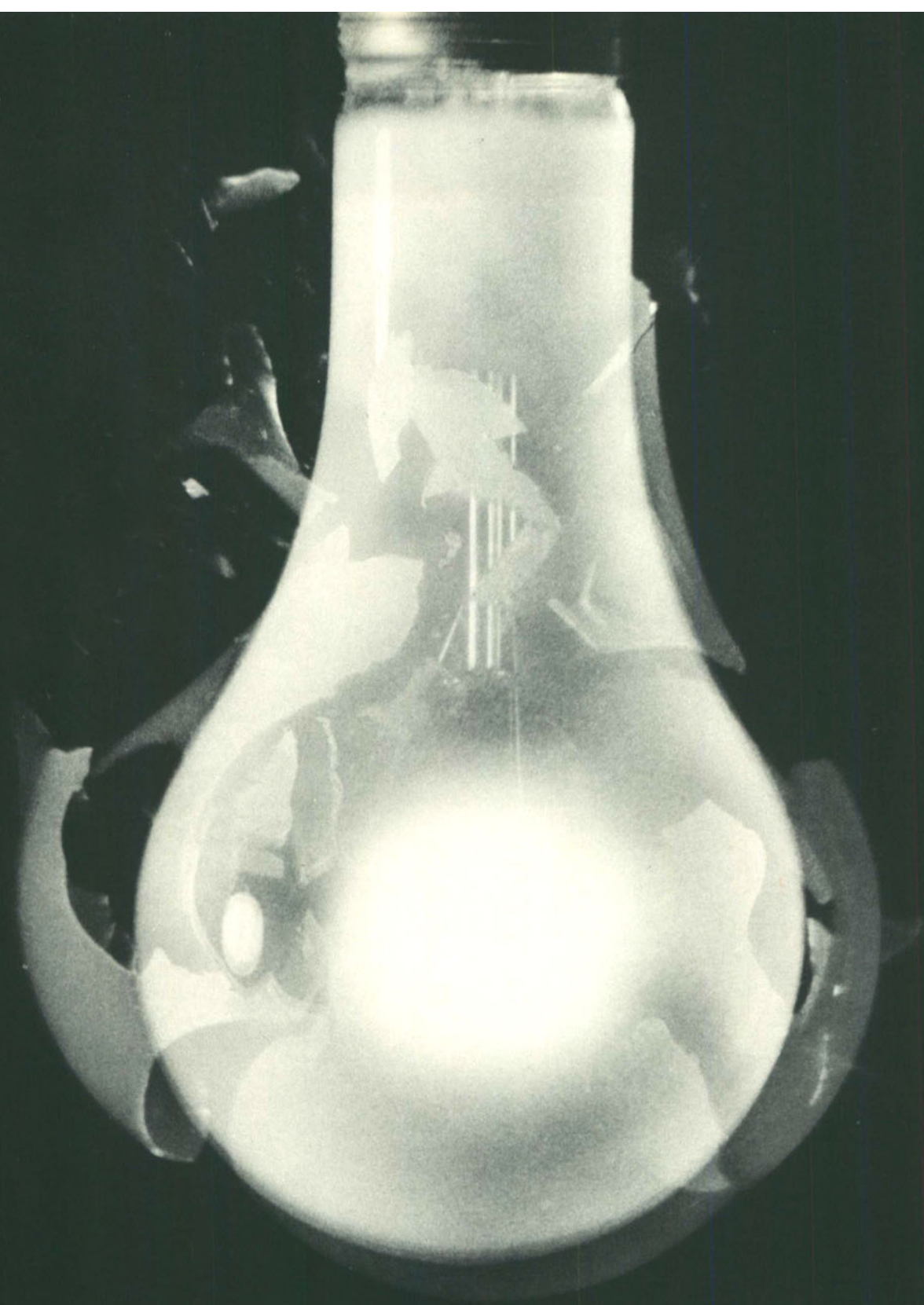
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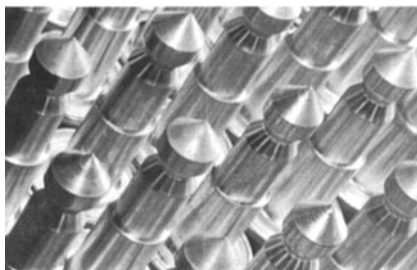
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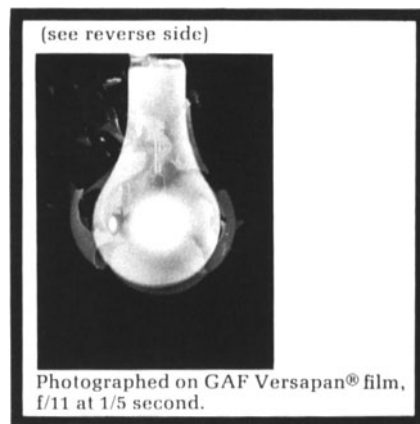
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Anscochrome D/500 (film speed-500) can be used as a color negative as well as a color transparency film.

For full information, contact your local GAF Sales Representative. Or write us.



Traid Corp., 777 Flower St., Glendale, Calif. 91201, has acquired from Richardson Camera Co., Phoenix, Ariz., the engineering, tooling, machine tools, inventory and both engineering and production key personnel for manufacturing the Richardson line of film transports, viewers, readers and projection equipment. During the last 25 years Richardson has developed a wide range of special application readers, viewers and projectors. Machines, tooling and personnel will be transferred from Phoenix to Triad headquarters in Glendale.

Cine Sciences Corp., P.O. Box 38673, Hollywood, Calif. 90038, is a new firm founded by Edward C. Barocela and Roger E. Rourke. The firm will engage in the design and fabrication of custom motion-picture equipment and other opto-mechanical devices. The facilities permit the undertaking of any project relating to cameras, printers, projectors and film transports, from the original concept to the final assembly and testing. Mr. Barocela, who is President of the new firm, was formerly with General Precision Systems, Inc. Mr. Rourke, Vice-President, was formerly with H.F.S. Manufacturing Co.

Gryphon Corp. has moved to 101 East Santa Anita Ave., Burbank, Calif. 91502. The firm was formerly located at 2806 West Burbank Blvd. in Burbank.

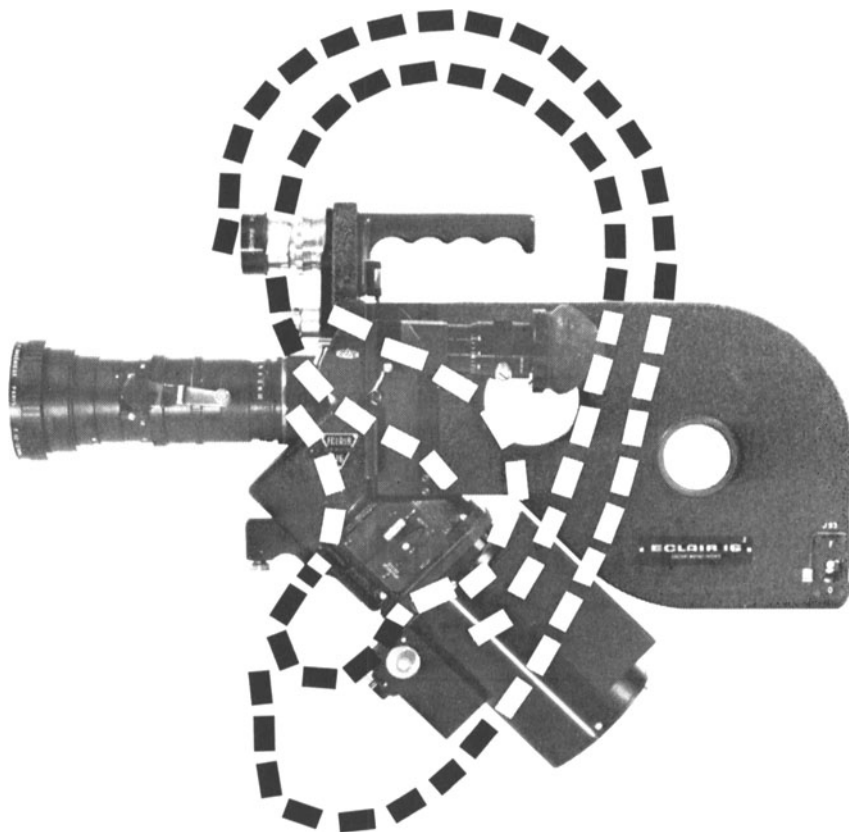
The SEM 35/16 spray processing machine for black-and-white positive and negative originally developed by Oxberry Corp. is now produced by Geyer-Werke GmbH, as a result of an agreement between the two firms. Announcement was made by Geyer-Werke, a German firm with offices in Berlin, Hamburg and Munich. According to the announcement the Oxberry machine is "geared to the European and various other market requirements, due to the fact that highly skilled personnel as can be found in the United States are often not available in many other countries." The machine is 7 ft 11 in. high, 4 ft 8 in. wide and 15 ft deep. It is daylight-operated and at a developing time of 55 s has a speed of 3,600 m/h.

LogEtronics, Inc., is expanding its headquarters at Springfield, Va., by adding 30,000 ft² of floor area to the present 48,000 ft². The firm manufactures equipments for electronic photography, graphic arts, humidity conditioning and x-ray photography.

Film Producers Services, Inc., a new division of F&B/Ceco Industries, Inc., will operate the former Fox Movietone Studios and buildings at 460 W. 54 St., New York. Officers are Arthur Florman, President, Len Hollander, Executive Vice-President, and Sid Reis, Studio Manager. The two sound stages will continue to be operated as rental stages, including such facilities as wood-working shop, prop storage, offices and projection rooms. New cutting rooms on the second floor will be available for long or short term rentals.

Trans-International Films, 530 Biscayne Blvd., Miami, Fla., 33132, will start a chain of new automated theaters, beginning in October, it was announced by K. Gordon Murray, President. A new 35mm cartridge-type magazine, developed at the firm's Miami studios, holds up to 18,000 ft of film

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Eclair threw tradition out the window and started from scratch. And that's how the NPR was born. Completely new; completely quiet. For example: the shutter claw and registration pin operate directly off the motor's drive shaft. That means fewer moving parts and so, less noise. The claw is wedge-shaped so it can slide into perforations without clatter or clicking. In fact, the only noise you'll hear around the NPR will come from you. That's because the NPR's performance is really something to shout about.

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so that a complete show can be run with the booth unattended. The film will be on cores in the magazine rather than on reels and will be handled in much the same manner as in the laboratory for less film damage and better print condition. Many of the planned automated theaters will have two or more auditoriums and all will have rocking chairs and will be carpeted. The firm also plans to build multi-screen drive-ins in many cities. The first automated theaters will be located in Alabama, Georgia, Tennessee, Illinois and Indiana, the announcement stated.

An 8-channel sound mixer, a product of Rupert Neve & Company Ltd., Priesthaus, Little Shelford, Cambridge, England, has been acquired by Rediffusion Studios in Singapore. The mixer comprises eight input channels, two echo send/return groups, two output groups and a Neve channel amplifier type 1058. It is designed to drop into a cut-away table top and is self-contained except for the power supply mounted adjacent to the unit. Neve also has designed, built and shipped a desk with 16 input channels, eight output groups for 8-track recording, four echo send and return groups, two fold-back groups and 12 recorder returns for installation at Sound Studios, Inc., Chicago. Neve is presently engaged in a major export drive.

The Motion Picture Division of Bebel Color Laboratories, Inc., 108 W. 24 St., New York, N.Y. 10011, has announced that they are now doing scene-to-scene additive

color corrections in as little as a 15-frame change. In addition the firm is now doing intermixed standard effects from 16 to 96 frames for single strand as well as A&B printing.

Larry Gordon Studios, 25 W. 39 St., New York, has opened a branch at 206 N.E. 70 St., Miami. The Miami studios are equipped for filming indoor and "on location" TV commercials, industrial and educational films and feature-length motion pictures. Fred Singer is director of the new studio.

Glen M. Dye, 84-year-old founder of Pako Corp., Minneapolis, Minn., is one of the four charter members of the Hall of Fame Photography. Mr. Dye, Rush Munder, R. J. Wilkinson and K. O. Richardson were honored at the convention of Master PhotoDealers and Finishers Assn. (MPDFA) held in Philadelphia in February. Mr. Munder is the inventor of the Sylvania Blue Flashbulb; Mr. Wilkinson is the retired Executive Manager of MPDFA and Mr. Richardson is director of photo-finishing trade relations for Eastman Kodak.

Mr. Dye was cited for inventions which influenced the conversion of photographic print and film processing from manual to mechanized operation. In 1910 he invented a motor-driven printer and, in 1918, he designed the rotary drum Liberty dryer. Some years later he developed an automatic washing process for prints. In 1929, he designed the Senior Filmachine for automatic

development of large quantities of amateur photographic roll film. A series of chain-driven pulleys raised and lowered film into succeeding tanks of chemical solutions until processed and dried.

In 1939, Mr. Dye worked with Walt Disney technicians to develop an x-ray film processing machine applicable to animated cartoons.

Pako Corp. manufactures various types of film processing machines, including the Cine/Strip processor. Many of the firm's products are based on early inventions of Mr. Dye.

Theodore R. Conant has joined CBS Laboratories, a division of Columbia Broadcasting System, Inc., as Coordinator of Instructional Systems, it was announced by Peter C. Goldmark, President. Mr. Conant formerly was Director of Special Educational Services for the WGBH Educational Foundation, Boston, Mass., and was also associated with Harvard University's Graduate School of Education. In his new post he will be responsible for coordinating multi-media communications technology and related educational software programs to insure the most effective match between these efforts and the interests of the educational community. Among other developments he will be working with experimental electronic information retrieval and video display systems, machine-assisted instruction systems and technologies combining sight and sound in new ways.

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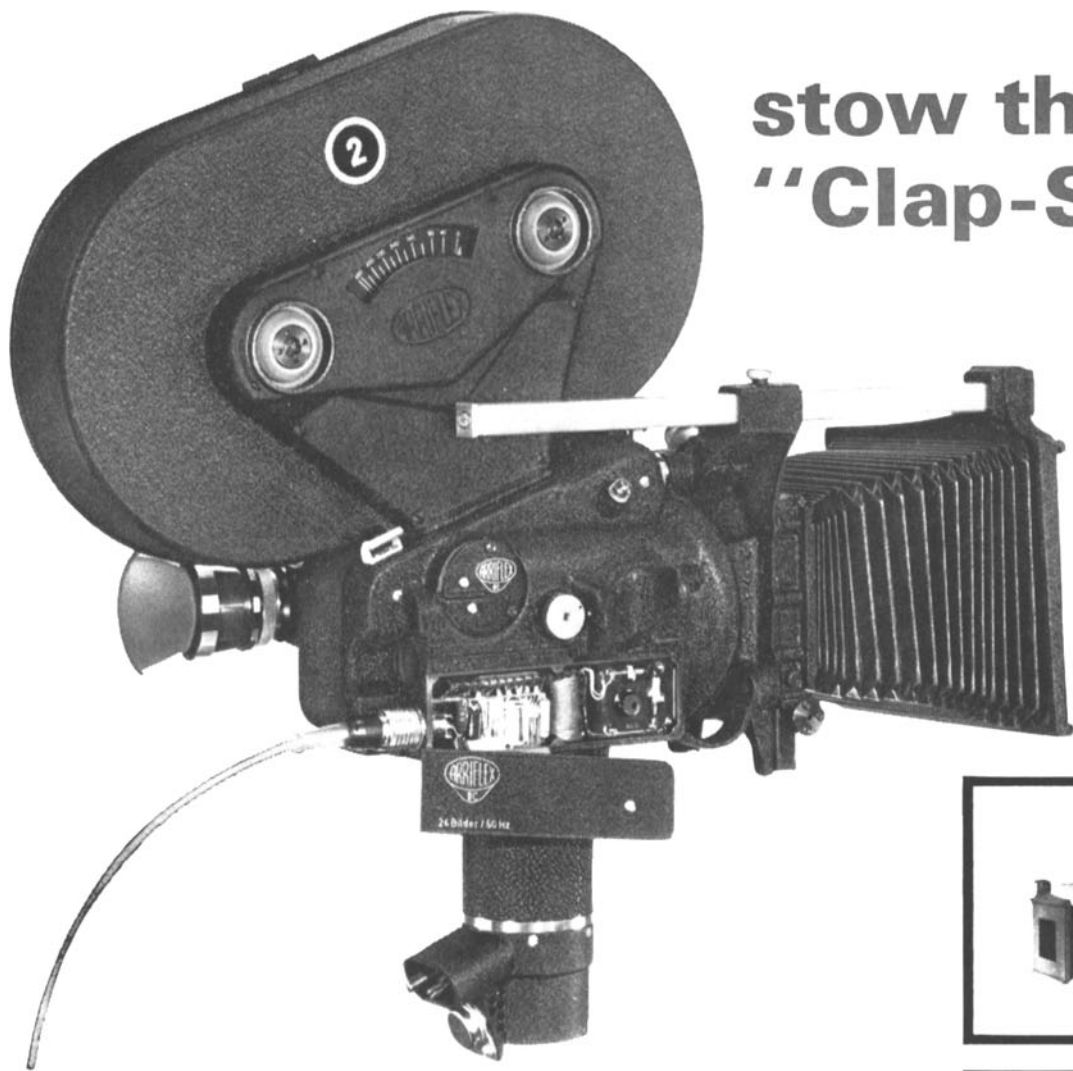
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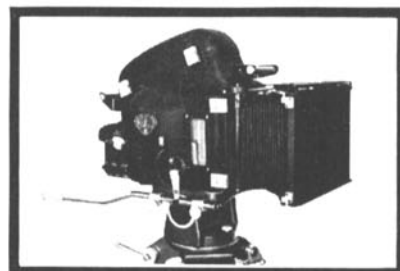
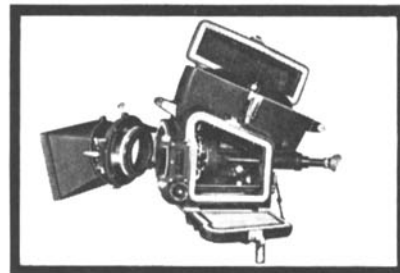
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INCOMPARABLE VERSATILITY: The Arriflex 35-2CGS is shown: (TOP) As a hand camera, with 400 ft. magazine, Periscope Finder Attachment and other accessories; (CENTER) As a studio sound-camera, housed in the Basic Arriflex model 400 Blimp; and (BOTTOM) housed in the ultra-sophisticated Arriflex special 120S Blimp.



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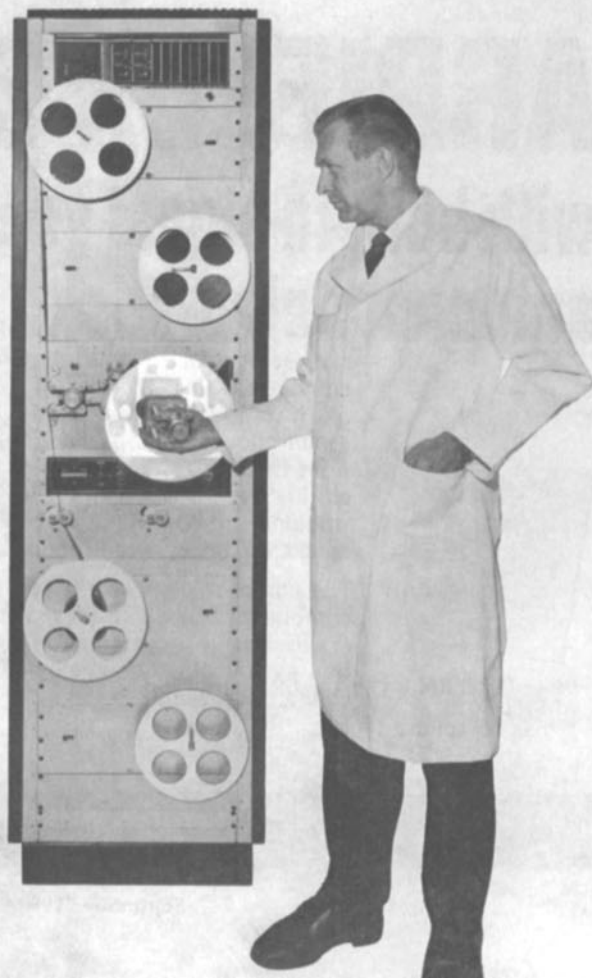
New PM-85 lets you change from 35 to 16mm (and back again) as often as necessary—in seconds and without problems. That's because it has interchangeable plug-in sprocket and head assemblies for both film sizes.

And, the PM-85 interchangeable sprocket module provides automatic speed and equalization changeover when you switch film size. It even has a combination spindle for both 16 and 35mm.

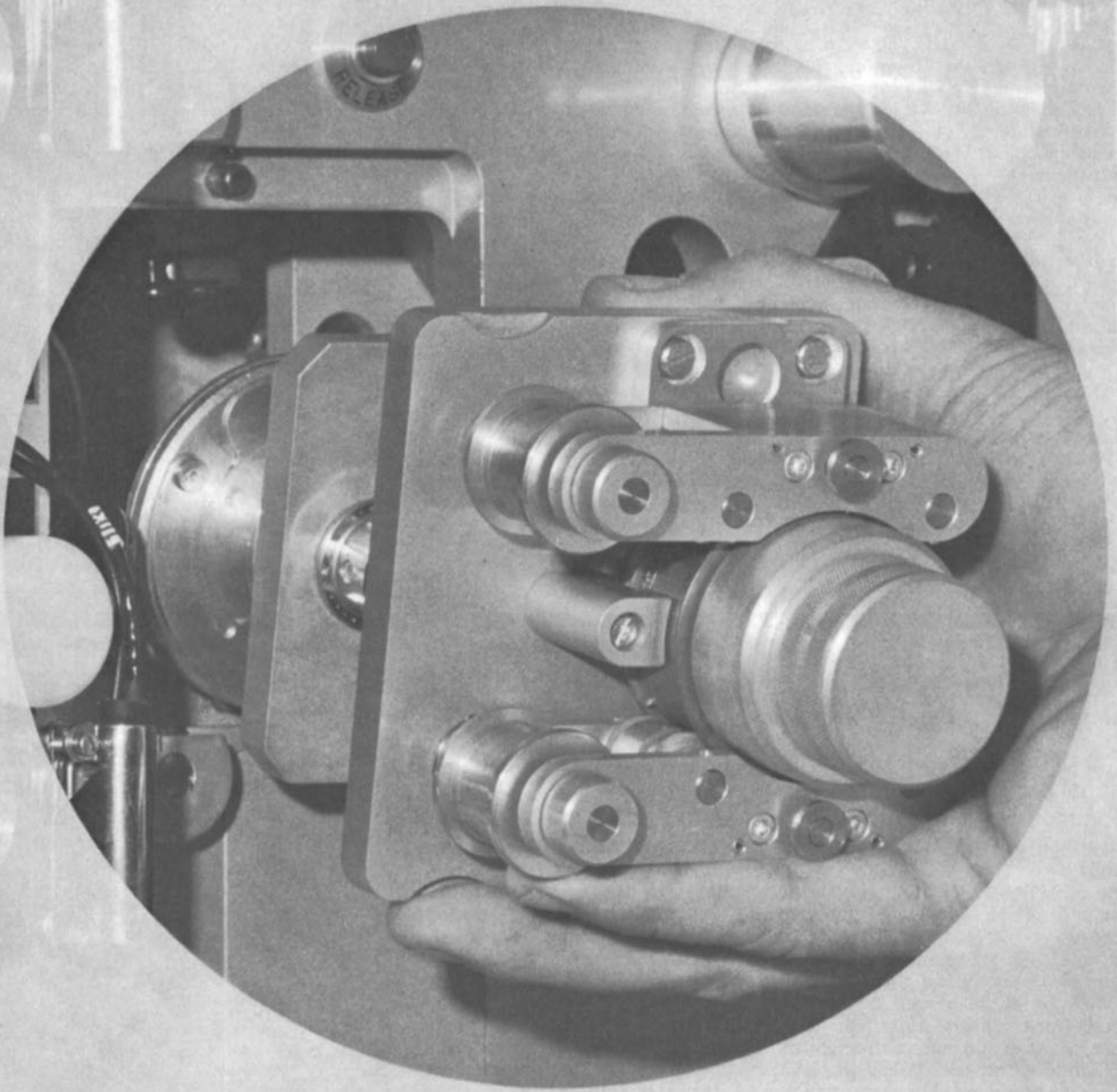
No loss of tight loop either in forward or reverse

modes for both 16 and 35mm, thanks to positive pad roller action at entrance and exit of the sprockets.

All this in addition to RCA's traditional high performance and reliability standards. New PM-85 is available as two reproducers or as a recorder/reproducer. Get further details from RCA Film Recording, 2700 West Olive Avenue, Burbank, California 91505, or 36 W. 49th Street, New York, New York 10020. Cable address: RADIOFILM



RCA Film
Recording



RCA PM-85 interchangeable sprocket assembly

Frank W. Mellberg has been appointed Manager of Engineering for Varo Optical Co., Mt. Prospect, Ill. He was formerly head of Mellberg Design Associates and, earlier, was Manager of Mechanical Design and Chief Engineer of the Optical Division of Bell & Howell. In his new post he will be responsible for optical engineering and design. The firm supplies lenses for x-ray and photocopy equipment, as well as infrared viewing devices for commercial and industrial applications.

Wilton A. Stewart has been appointed President of Intergraphic, Inc., Santa Monica. Ying-Nien Yu has been appointed Vice-President and Frank P. Herrnfeld has been appointed Director of Engineering. Mr. Stewart was formerly President of Serrell-Stewart Corp. and, earlier, was with Houston Fearless Corp. as head of photographic engineering. Mr. Yu will specialize in the information processing and computer software fields. Mr. Herrnfeld is an engineering graduate of Charlottenburger in Berlin and has done postgraduate engineering work at the University of Southern California.

William R. Breeze has been appointed Vice-President of Finance and Administration of Mitchell Camera Corp., Glendale, Calif. In this post he will be responsible for accounting, purchasing, forecasts, budgets, personnel and labor relations, contract administration and industrial security.

Robert B. Lindemeyer has been appointed to the newly created post of Assistant to the President of Holland-Wegman Productions, a subsidiary of Niagara Frontier Services, Inc. He was formerly Director of Operations for Metro/Kalvar, Inc. In his new post his responsibilities will be in the administration and sales areas.

John Murray has been appointed Vice-President in charge of Sales for Bardwell & McAlister, a division of F&B/Ceco Industries, Inc. He was formerly with Color-Tran Industries and earlier had been associated with the Camera Equipment Co. and then with Florman & Babb before the merger of the two firms. In his present post he will work on new products with special emphasis on a new line of quartz lights.

Richard A. Haskins has been appointed Production Manager for Bardwell & McAlister, a division of F&B/Ceco Industries. He was formerly with Color-Tran Corp. as Production Manager of lighting equipment operations. In his new post he will be responsible for manufacturing operations of the firm's line of incandescent lights and professional quartz lights.

Robert M. Smith has been elected First Vice-President of Du Art Film Laboratories, Inc., 245 W. 55 St., New York, N.Y. 10019. Don Donigi has been named Vice-President in Charge of Operations of both the color and black-and-white plants. Both Mr. Smith and Mr. Donigi have been with Du Art for over 10 years.

Robert I. Brown has been appointed Product Business Manager for Philips Broadcast Equipment Corp., Paramus, N.J. He was formerly Deputy Director of Systems Applications. In his new position he will coordinate systems development activities for the various Philips Broadcast product lines.

Alexander J. Autote has been appointed Vice-President of Professional Products for the Shibaden Corp. of America, a wholly-owned subsidiary of the Shiba Electric Co., Tokyo, Japan. In his new post he will have overall responsibility for Shibaden's marketing activities on the North American continent. He will introduce the company's line of broadcasting equipment, which includes a three-tube Plumbicon camera for television broadcasting. Prior to his present appointment, Mr. Autote was Marketing Manager, Professional Products, for CBS Laboratories.

Robert E. Buescher has been appointed Sales Manager for Nagra Magnetic Recorders, Inc., 565 Fifth Ave., New York, N.Y. 10017, it was announced by Loren L. Ryder, Vice-President and General Manager. Mr. Buescher has previously been associated with Recording Studios, Inc., Manhattan Sound and RCA, where he was New York Sales Manager and Supervisor of Field Engineering in the Film Division.

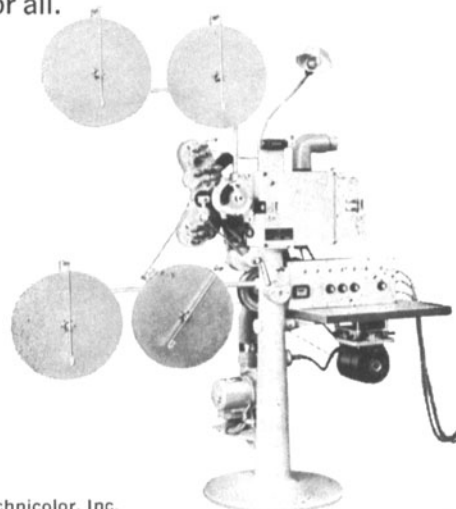
Gerald M. Saepoff has been appointed Eastern Regional Manager for Traid Corp.'s Photo Instrumentation Div. with headquarters in Cherry Hill, N.J. Mr. Saepoff was formerly with Dynasil Corp. where he was Vice-President of Sales.

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