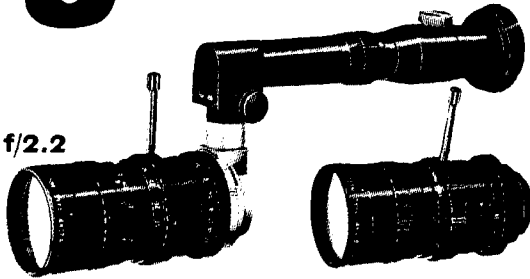
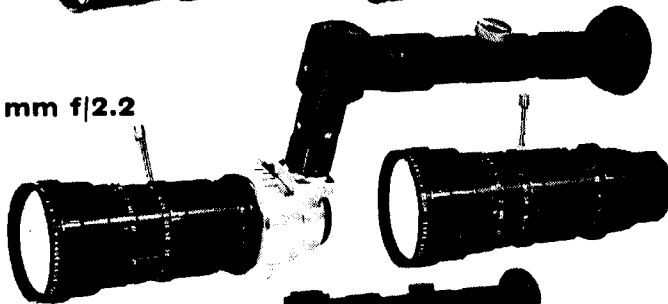


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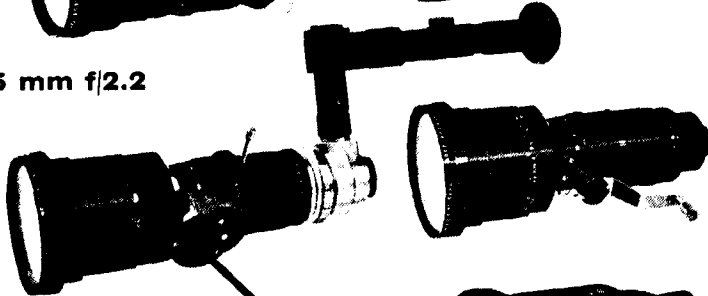
17-68 mm f/2.2



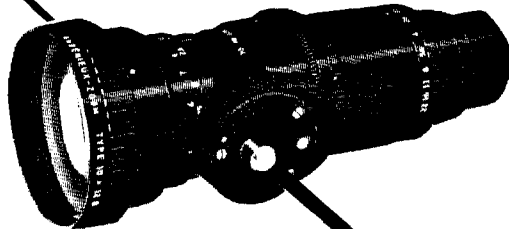
12.5-75 mm f/2.2



9.5-95 mm f/2.2



12-120 mm f/2.2



12-240 mm f/3.5



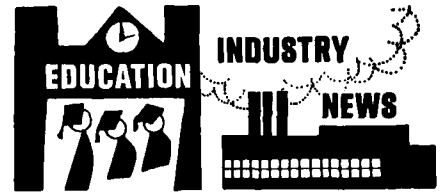
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Winter Television Conference Toronto, January 17, 18

The Program Chairman for the Toronto Winter TV Conference, **Harold Wright**, Canadian Broadcasting Corp., Toronto, Ontario, Canada, has announced the Program Committee for the Winter Conference. The members of the committee are:

Richard T. Monroe
Manager of Engineering
Westinghouse Broadcasting Co.,
90 Park Ave.
New York, N.Y. 10016

Roland L. Renaud
Chief Engineer
WWJ-TV
622 W. Lafayette
Detroit, Mich. 48226

Dr. Henry N. Kozanowski
Manager
Broadcast TV-Advanced Development
Radio Corp. of America
Front and Cooper Streets
Camden, N.J. 08102

Stanley F. Quinn
Head of Development Engineering Dept.
Canadian Broadcasting Corp.
7925 Cote St. Luc Rd.
Montreal 29, Quebec

Hellmut H. Berger
Director of Engineering
CFTO-TV
Baton Broadcasting Ltd.
1550 McCowan St.
Box 9
Agincourt, Ontario

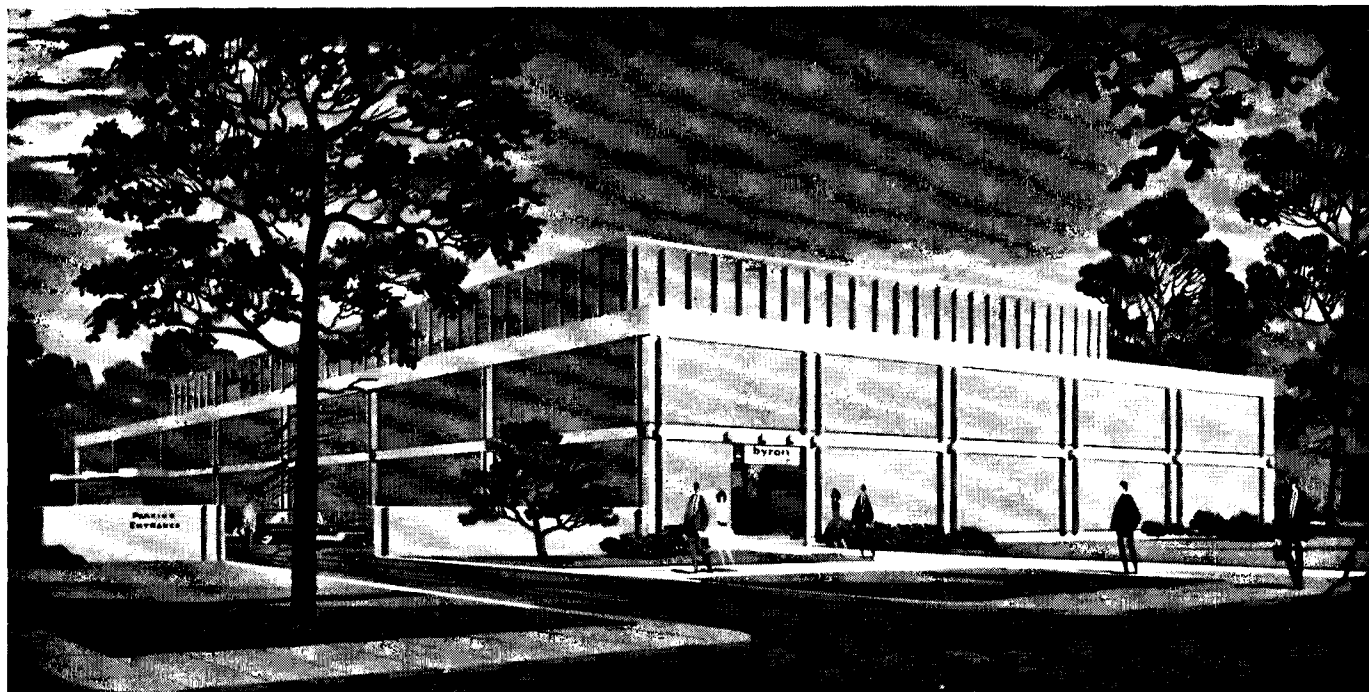
Daan Zwick
Research Associate
Eastman Kodak Co.
Research Laboratories
Kodak Park
Rochester, N.Y. 14650

Glenn A. Robitaille (who will serve as
Vice Chairman)
Director of Engineering
CFPL-TV
P.O. Box 2280
London, Ontario

Albert H. Chismark
Director of Engineering
WHEN-TV
Meridith Broadcasting Co.
980 James St.
Syracuse, N.Y. 13203

K. Blair Benson
CBS Television Network
51 W. 52nd St.
New York, N.Y. 10019

Papers for this conference, unlike for the national conference, will be invited by the Program Committee.



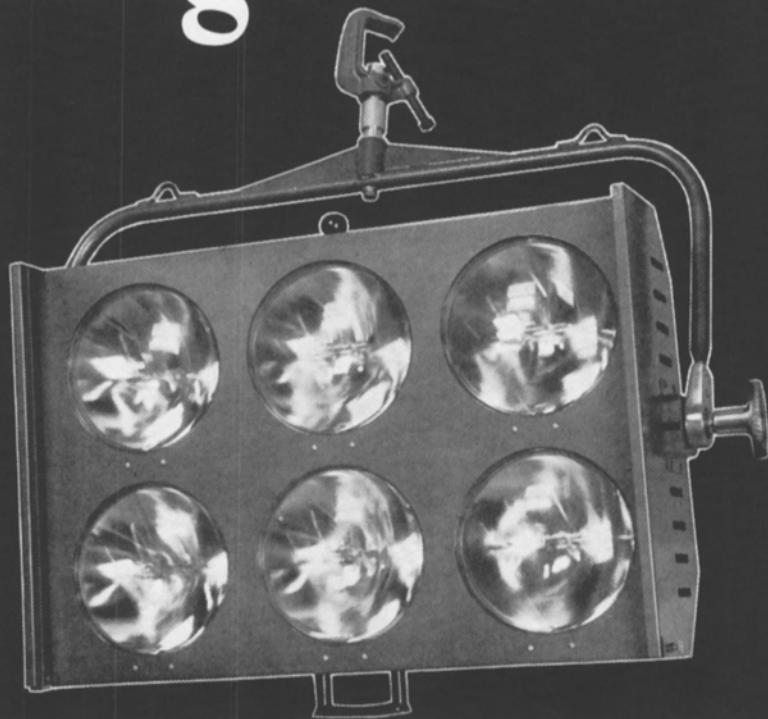
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Forms are still being accepted, although the date for their receipt, along with a two-page summary of the paper, has passed. The manuscripts are due on October 14.

This two-day conference will be concerned with broadcasting problems in color television, stressing the needs of the independent station, rather than the major network.

More details on specific papers will be published in the November *Journal*.

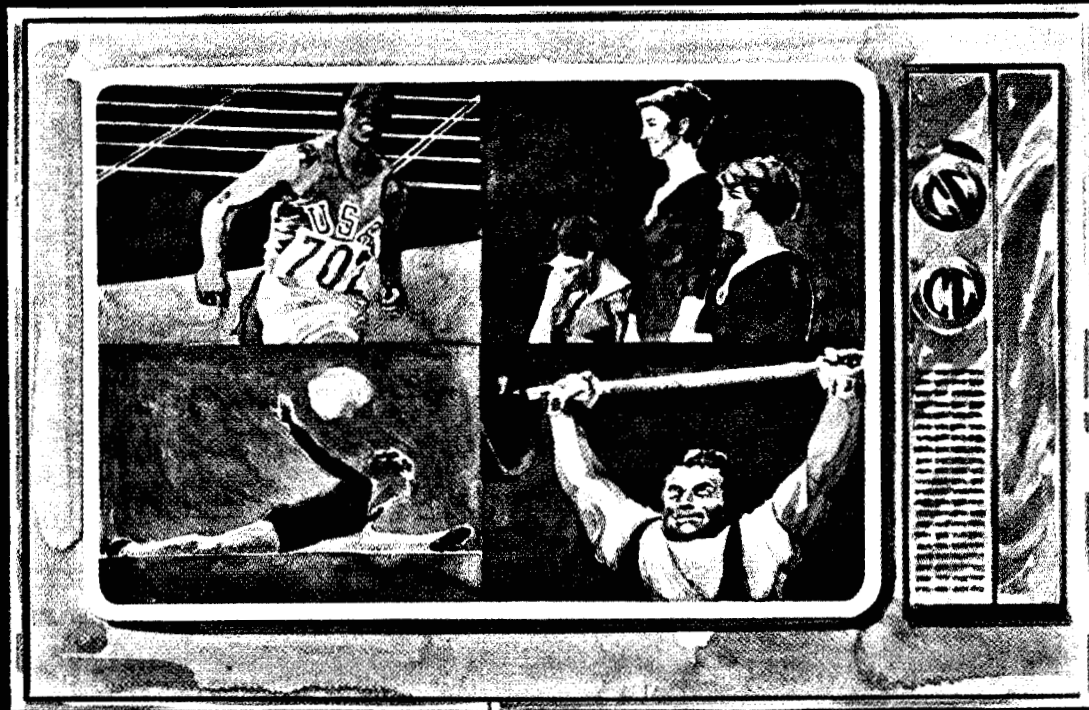
Motion Picture Association of America

A Year in Review, a report on the activities of the Motion Picture Association of America, Motion Picture Export Association of America and Association of Motion Picture and Television Producers, covers the period May 16, 1967, to May 16, 1968. In a Foreword to the Report, Jack Valenti, MPA President since May 1966, explains that memberships in the three organizations are almost identical. The MPA deals with issues of major concern to the motion picture in the United States. The Motion Picture Association, with headquarters in New York and 10 offices abroad, "functions as a separate diplomatic arm," Mr. Valenti stated. As more than half of the business of American motion-picture companies is done abroad, this requires attention to emergencies and to planning to improve economic conditions and to keeping world markets open and viable. The Association of Motion Picture and Television Producers, located in Hollywood, directs research for the studios and handles industrial relations, including labor negotiations with guilds and unions.

The 36-page illustrated report contains a great deal of significant information, including findings of surveys and discussions of trends in the industry and present accomplishments.

A major achievement was the creation of the Motion Picture Research Center. Wilton R. Holm, former Technical Administrator and Motion Picture Specialist for Du Pont in Hollywood, is Executive Director of the Center. Herbert Meyer, former executive of Electro-Optical Systems, a subsidiary of Xerox Corp., and Petro Vlahos, former head of the Physical Sciences Branch of Systems Development Corp., have joined the Center as Chief Scientists. In its first year of activity, the Research Center is concentrating on documenting technological material relating to recent developments in the field of optics and the technological film advances made by the aerospace industry, government agencies and private research institutes. The results of this documentation will be used to establish a base for examining specific areas of research and development within the motion-picture industry. Particular emphasis will be given to possible changes in cameras, sound, lighting and materials for set construction.

The MPA also assisted substantially in the creation of the American Film Institute. One of the aims of the AFI is to find and train young filmmakers. One of the trends shown in the report is that courses in the motion picture in American colleges and



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universities are increasing rapidly. Today, close to 80,000 students are enrolled in about 3,000 graduate and undergraduate film courses in some 200 institutions of higher learning. The report also reveals that the interest of very young people in films is effecting changes in the curricula of secondary and even in elementary schools.

A survey commissioned by MPA and conducted by a leading research organization resulted in some unexpected findings about people who go to movies regularly and those who don't. The survey covered the movie-going public 16 years of age and older. It was found that the most highly educated of the groups surveyed have the greatest interest in motion pictures and attend motion-picture theaters more often than the less educated groups. Of the three groups, (1) college and university, (2) high school and (3) less than high school education, 39% of the college and university group go to movies once a month or oftener, as compared with 27% of the group with a high school education and 25% of the group with less than a high school education. The young adult audience is increasing, but there is a decline in attendance among older persons. Persons between 16 and 24 account for 48% of adult admissions and 74% of the total audience is in the 16 to 40 age group.

In reporting on television, it was noted that color has taken over almost completely on network television as it has in theatrical motion pictures. Color sets in the United States rose by 45% to a total of 14½ million and are now in 25% of American households. Television abroad grew at a steady rate during the year. With the inauguration of television systems in the Near East, the Far East and Africa, about 100 countries now have television. The report predicts, "In a few years, all countries, even the poor and less developed ones, will have television, which has become a symbol of nationhood."

In discussing the export of film to other countries, the report notes, "No single part of the world offers greater promise for U.S. films than the Soviet Union and the countries of Eastern Europe. Soviet and Eastern European film audiences have demonstrated a growing affection for U.S. movies."

The report also includes titles and brief descriptions of 15 feature films released by member companies during the period covered by the report.

The Film Production Association of Great Britain, founded January 1, 1967, held its first Annual General Meeting April 30, 1968. A statement of aims and accomplishments was made by Clifford Barclay, FPA President, and a report was presented. The report noted that the output of British films has been increasing although cinema attendances have been declining in the United Kingdom. It was announced that FPA (Great Britain) has authorized a survey as a first step toward improving the market. Research will start off with a study of those who attend motion-picture theaters and those who do not attend. Leisure-time habits of the population will be studied to provide information about the best program timings, lengths of programs, etc., for various regions.

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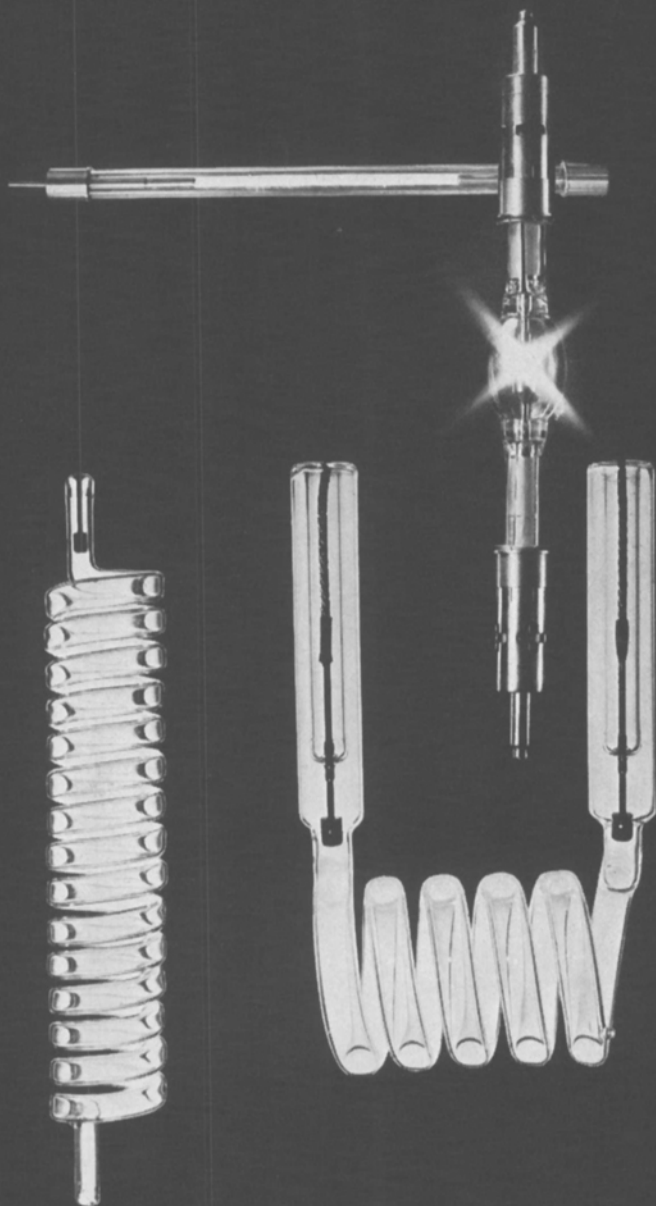
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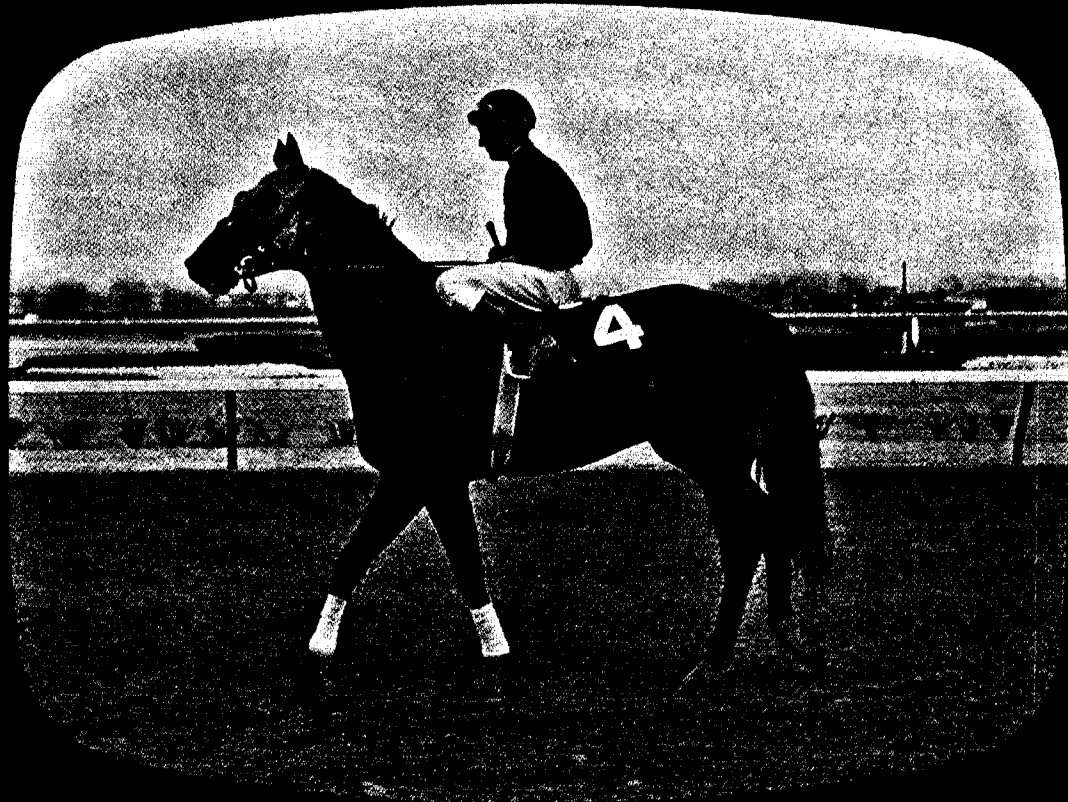
Other highlights of the report included an outline of legislation affecting British films. It was pointed out that the British Film Fund is not a State subsidy but a system of redistributing boxoffice receipts. The organization also reaffirmed its support of Pay TV and asked that it be allowed to operate on a national scale.

Victor Gregorovich Komar has been awarded the honorary title of Honored Scientist and Technologist of the RSFSR (Russian Republic). Professor Komar, who was granted the degree of Doctor of Technical Science in 1949, is Director of the All-Union Scientific and Photo Research Institute (NIKFI). Previous honors in recognition of his work during 35 years of professional activity include the Red Star and medals for his work in World War II in developing new equipment for the Red Army. For efficient work, he also received a commemoration medal, "800 Years of Moscow." He is the author of many scientific and technical works including several papers which have appeared in the *Journal*. An important paper on "Cinematography in the USSR" is in the March 1964 issue of the *Journal*. He is the senior author of "A New System of Varioscopic Cinematography" in the July 1968 issue of the *Journal*. Professor Komar is especially interested in the training of young scientists and is a lecturer at Moscow Electrical Institute. He is a member of the editorial staff of *Tekhnika Kino i Televideniya*.

The Society of Photographic Scientists and Engineers will hold a symposium on Applications of Lasers to Photography and Engineering November 14-15 in Los Angeles. A seminar on the same subject was held in April in New York (*Journal*, P. 248, March 1968). There was so much interest in the seminar (more than 200 persons were turned away because of lack of space) that it was decided to repeat the seminar in Los Angeles. Further information is available from SPSE, 1330 Massachusetts Ave., N.W., Washington D.C. 20005.

The Society of Photo-Optical Instrumentation Engineers held its 13th annual technical symposium August 19-23 in Washington, D.C. Highlights of the symposium included a discussion of satellite research, a presentation on laser hazards, including laser eye protection and laser legislation and public safety, and a discussion of automobile safety research, with special emphasis on photooptical instrumentation as aid to injury reduction research. The symposium also included the first declassified briefing on research and development done under project PRESS. Discussions were conducted on Radiometric Measurements of Missiles During Re-Entry. Numerous papers were presented on the benefits of meteorological satellites. A seminar on planetary imaging was conducted by J. J. Rennilson, Jet Propulsion Laboratory, Pasadena, Calif., with particular emphasis on Mars, Mariner IV, and the development of the experimental planetary reconnaissance system. Discussions in the field of medicine included the use of high-speed x-ray pictures to measure heart volume vs time, computer graphics simulation of the human heart and automatic recognition of white blood cells.

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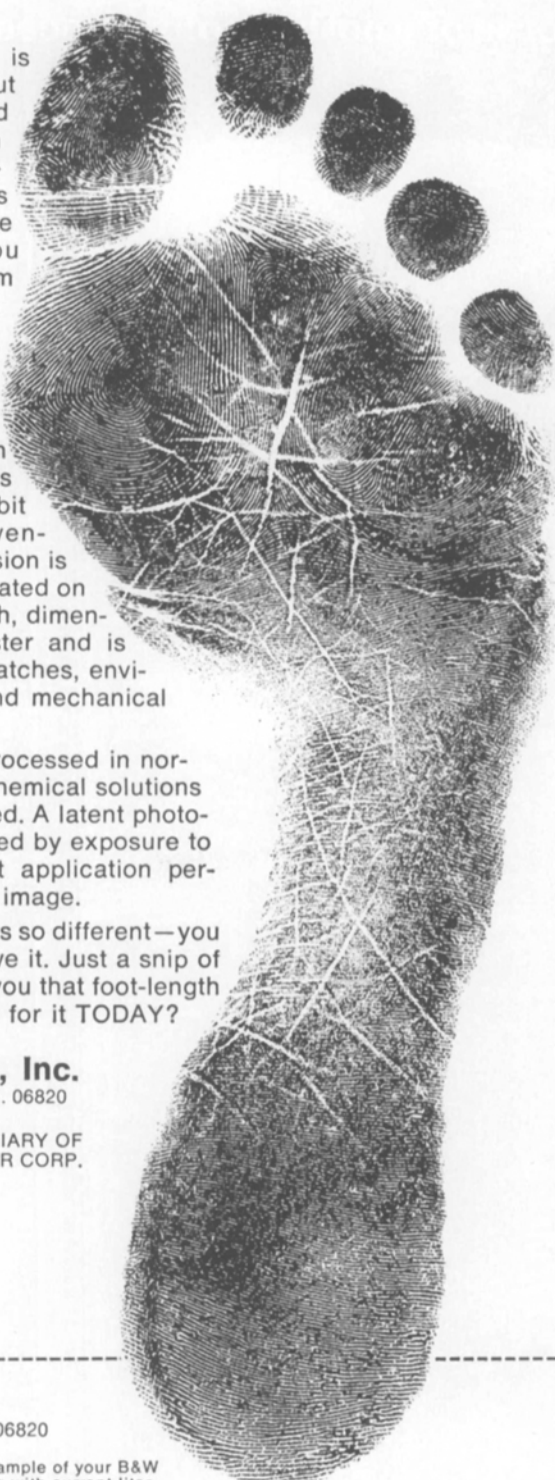
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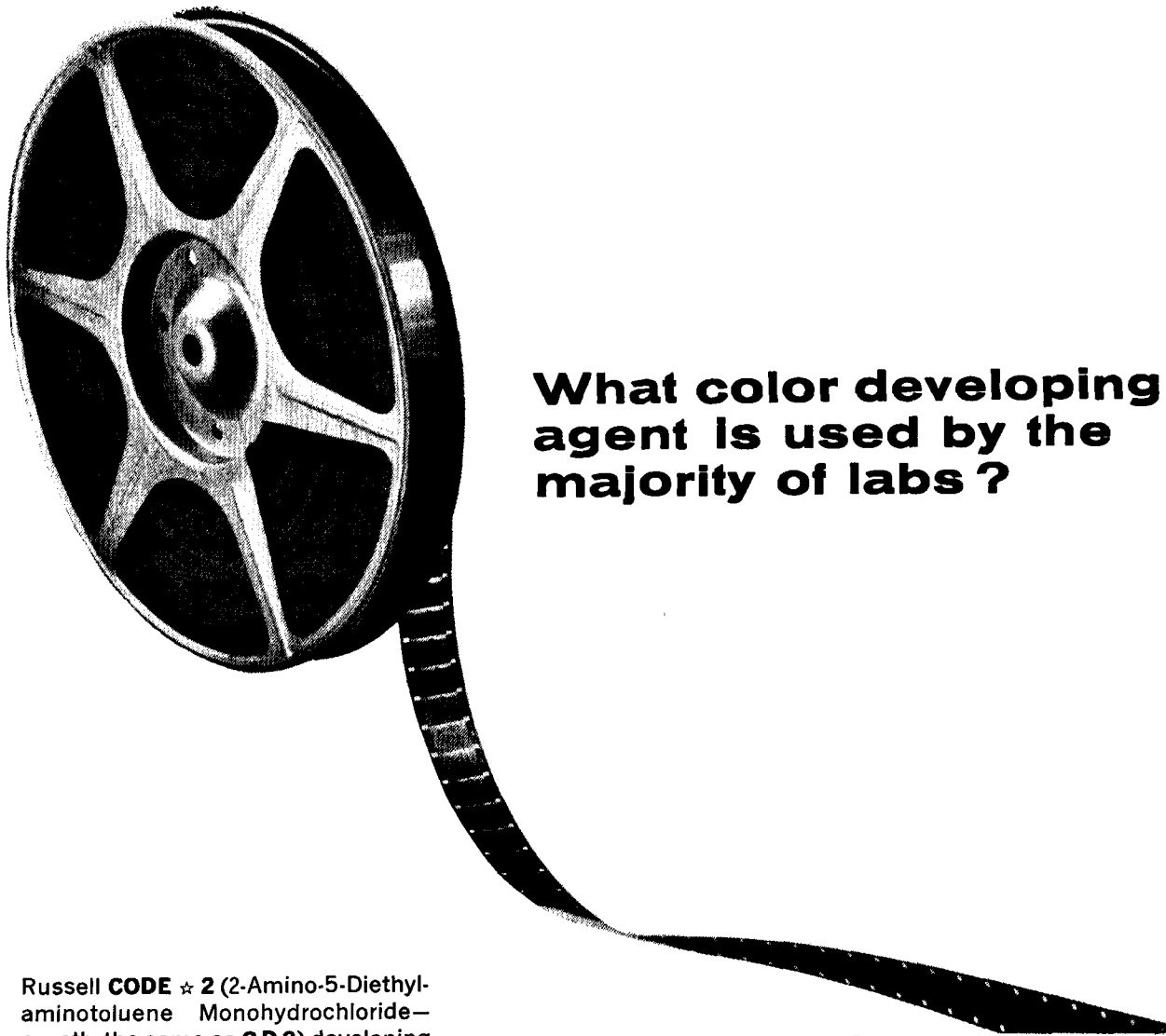
The Rochester Institute of Technology will dedicate its new \$60 million campus on October 19. The campus, on a 1,300-acre site, includes 13 academic buildings and a dormitory complex housing about 1,900 students. Total academic and administration floor space on the new campus is about 1.1 million square feet. The Institute (RIT) dates its founding from the establishment of the Rochester Athenaeum in 1829. The name was changed in 1944 to Rochester Institute of Technology (RIT). The department of Photography was founded in 1930. RIT's total enrollment for the 1967-68 school year was 14,417 with 3,821 day students and 10,596 evening and special program students. There are 214 full-time members of the day faculty and some 400 part-time evening college instructors.

The American Film Institute has awarded a total of \$62,000 for six new productions under its Independent Filmmaker Program, which is designed to support individual film artists in the development of their careers. Recipients are Robert Kramer, Stan VanDer Beek and Istvan Ventilla, of New York, and Will Hindle, David Schickel and Steve Wax, of California. This is the second group of grants, awarded on a quarterly basis, under the AFI Independent Filmmaker Program. Films planned by the recipients cover a wide range of themes and film styles. Mr. VanDer Beek's award was for a series of television studies exploring the graphic and image possibilities of color video-tape recording techniques. He is one of this country's leading experimental filmmakers and is the inventor of the Movie-Drome (*Journal*, p. 418, Apr. 1968).

The Cumulative Index to Abstracts of Photographic Science and Engineering Literature, covering Volumes I-VI, 1962-1967, of the *Abstracts of Photographic Science and Engineering Literature (APSE)*, has been announced by the publishers, Engineering Index and the Society of Photographic Scientists and Engineers. Publication date is October 30. The Index is arranged in five categories: Authors, Patents, Patent Assignee, Descriptors and Patents by Abstract Numbers. The Index also contains a comprehensive introduction which explains the principle of coordinate index searching. Kevin Gilson is Editor of the *Index* and *APSE*. The 325-page *Index* is priced at \$20 per copy for orders placed prior to January 1, 1969, and \$25 per copy thereafter. Orders should be placed through Engineering Index, Inc., 345 E. 47 St., New York, N.Y. 10017.

A new magnetic multifrequency test film, in accordance with German Standard, DIN 15 638, is distributed by AGFA-Gevaert AG, Magneton-Verdauf, 509 Leverkusen-Baverwerk, Germany. The test film recorded with a time constant of 100 μ s, which is in accordance with existing CCIR standards used in Europe. The film contains an 11mm-width recording. It may be used with the two American systems (100- and 200-mil edge track) and for the European Center Track position.

8mm Film Directory, published by Educational Film Library Assn., is available from Comprehensive Service Corp., Dept. T,



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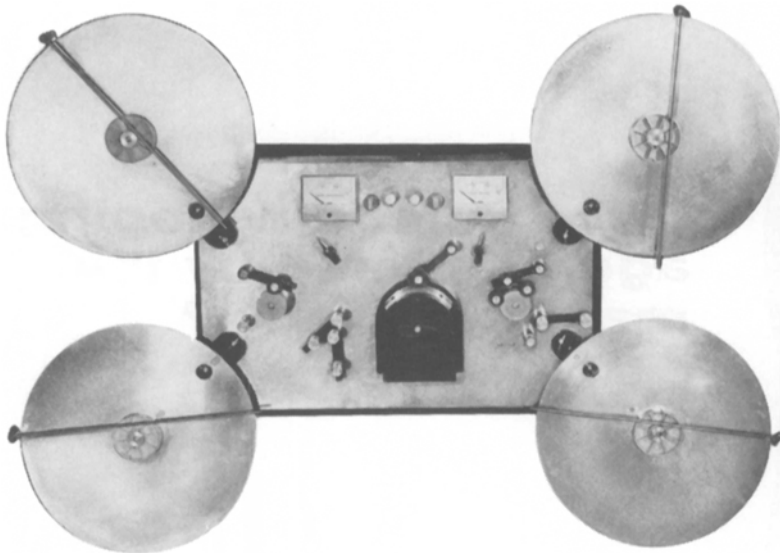
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"Educators are crying for film that can be used on a daily basis as part of the total curriculum," according to Sam C. Gale, Vice-President of Capital Film Laboratories, Washington, D.C., who spoke before the 4th Annual Conference and Exposition on Education and Training of the American Management Association on August 14 in New York. Mr. Gale is assisting an experimental project being developed by a Washington, D.C. film company which consists of a Home Economics film program of 161 films. The program is being developed in cooperation with the National Education Assn., Department of Home Economics, American Home Economics Assn. and the Office of Education. It is planned that this and similar projects will be presented to potential industrial corporation sponsors for support funding. In reviewing trends in the educational film field, Mr. Gale stressed the increasing acceptance of super 8 film in this field and emphasized that the words "easy to use" are the key words in the application of super 8 films to education. He pointed out that teachers generally want shorter films to be shown on simple projection devices.

Filmmaking in San Francisco will be encouraged through the efforts of a recently formed committee which will direct activities of the San Francisco Film Production Office. Head of the new committee will be Claude Jarman, Jr., Executive Director of the 1968 San Francisco International Film Festival. Aim of the new committee is to bring to the attention of filmmakers throughout the world the advantages of San Francisco as a location for filming and to offer assistance in their operations.

Calvin Productions, of Kansas City, Mo., has purchased Vogue Film Productions, Inc., of Louisville, Ky., which will continue to operate in Louisville as a wholly-owned Calvin subsidiary. Offices are in a remodeled residence and a specially constructed building houses a 60- X 65-ft sound stage. Michael J. Waddell, Producer-Director, Calvin Productions, has been appointed President of Vogue Film Productions. He will be responsible for all management of the Louisville subsidiary.

The Education Systems Organization has been established by Radio Corp. of America to unify RCA's diverse operations and services in the educational market. Head of the new organization will be Anthony L. Conrad, formerly President of the RCA Service Co. His title will be Vice-President, Education Systems. Carroll V. Newsom, Vice-President, Education will continue as RCA's principal corporate officer in the company's relationships with professional educators and educational organizations.

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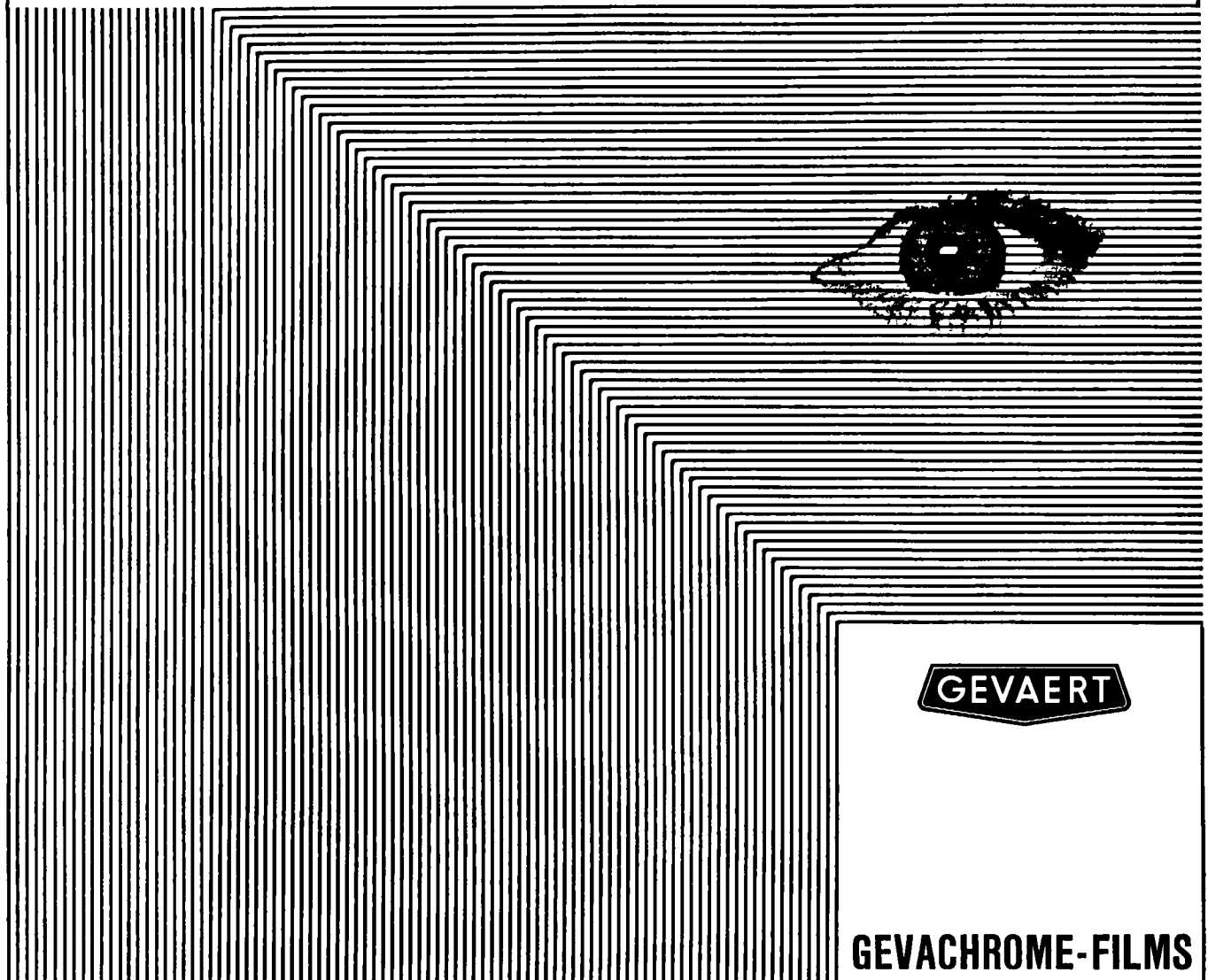
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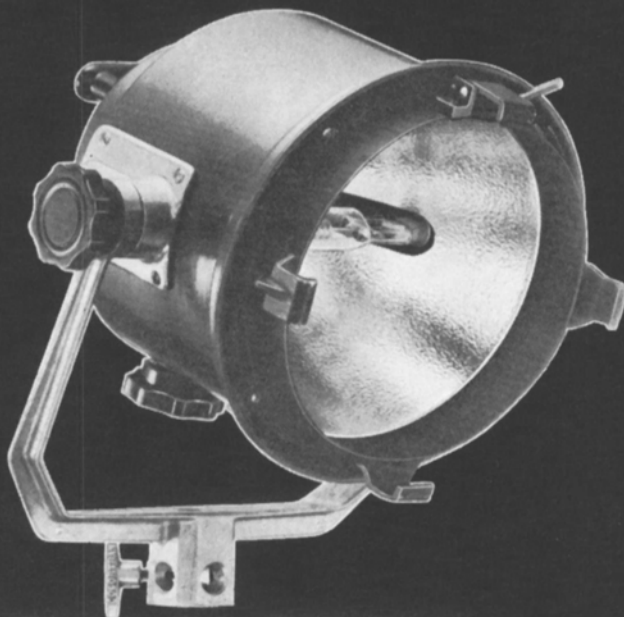


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Write Dept. SMPTE1068 for Berkey-ColorTran's new 1968 catalog and price list.

Palo Alto, Calif., which designs computer-assisted instructional systems; and the education activities of the Instructional and Professional Electronic Systems Dept., now in the Commercial Electronic Systems Div. The department manufactures such equipment as language laboratories, dial-access systems, 16mm motion-picture projectors for classrooms and closed-circuit TV equipment.

The **Walter Reade Organization, Inc.**, will co-produce and distribute educational filmstrips and study prints according to terms of an agreement with International Educational Films, it was announced by Walter Reade, Jr., President. The company will initially finance up to \$½ million worth of production through International Educational Films and will distribute that firm's current inventory of products. Prior to the agreement, International Educational Films produced filmstrips and study prints for the Curtis Publishing Co. Mr. Reade said that the Sterling Educational Films Division would acquire the Curtis inventory and all uncompleted commitments of Curtis in this field. The new production and distribution will be supervised by Leonard Feldman, General Manager of the Sterling Educational Films Division of the Walter Reade Organization.

Angénieux Corp. of America, Inc., is the new name of the firm formerly known as Optical Imports, Inc. It is located at 440 Merrick Rd., Oceanside, N.Y. 11572. The newly named firm will be the sole factory representative throughout the Western hemisphere for Angénieux lenses and other optical-mechanical systems. Announcement of the change in name was made by John Wallace, General Manager.

Pathé-Humphries of Canada Ltd., 9 Brockhouse Rd., Toronto 14, Ont., has acquired the studio building and all facilities of Peterson Productions Ltd., 121st. Patrick St., Toronto. The announcement was made jointly by Dean Peterson of Peterson Productions and Harold Greenberg, President of Pathé-Humphries. Plans include redesign and renovation of the studios to provide a four-studio complex equipped with the latest in sound equipment. Roger Beaudry, Vice-President and General Manager of Pathé-Humphries of Canada will continue as Chief Executive of the Toronto operation, including both the new sound studio facilities and the existing motion-picture laboratories.

Memorex Corp. and Technicolor, Inc., Los Angeles, have agreed in principle to the acquisition by Memorex of Technicolor's photographic products business, it was announced jointly by Laurence L. Spitters, President of Memorex, and Thomas J. Welsh, Chairman of Technicolor. Activities to be carried on by Memorex include manufacture of theatrical print films, television print films and photographic equipment and maintenance of laboratories. Operations will continue under the Technicolor name as a fully integrated division or subsidiary.

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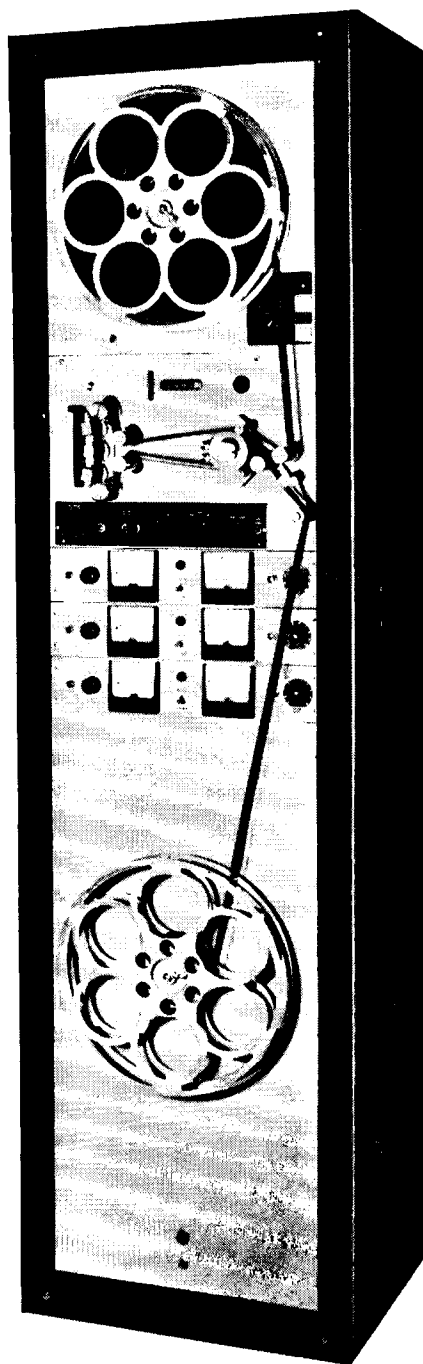
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Cutting IN or OUT during dialogue or music passage makes possible corrections on recorded tracks

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Plug-in head assemblies interchangeable for 35mm, multi track and 16mm



MAGNA-TECH ELECTRONIC CO., INC.

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October 1968 Journal of the SMPTE Volume 77

1113

Here's the one dual magnetic film reproducer that's ready for anything: new RCA PM-85.

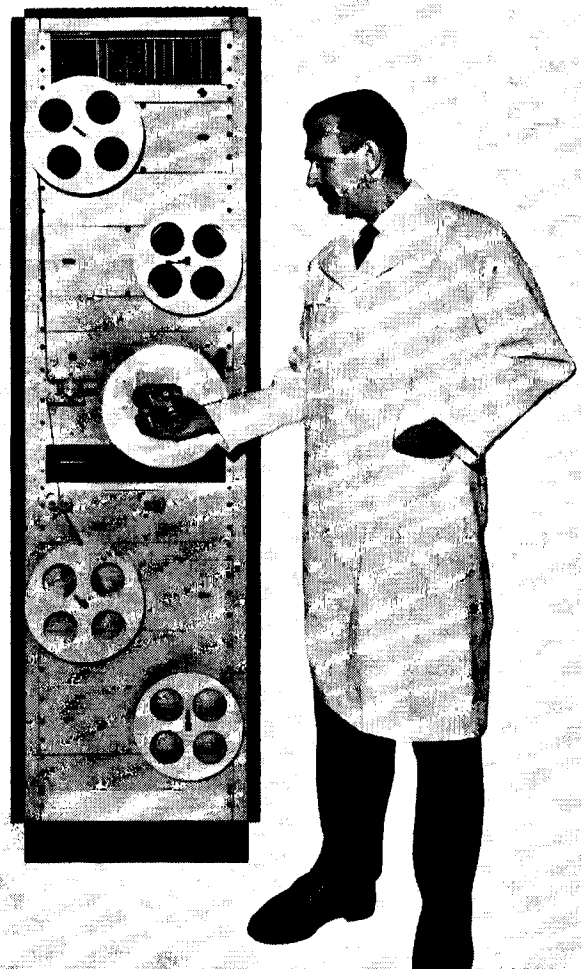
New PM-85 lets you change from 35 to 16mm (and back again) as often as necessary—in seconds and without problems. That's because it has interchangeable plug-in sprocket and head assemblies for both film sizes.

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.

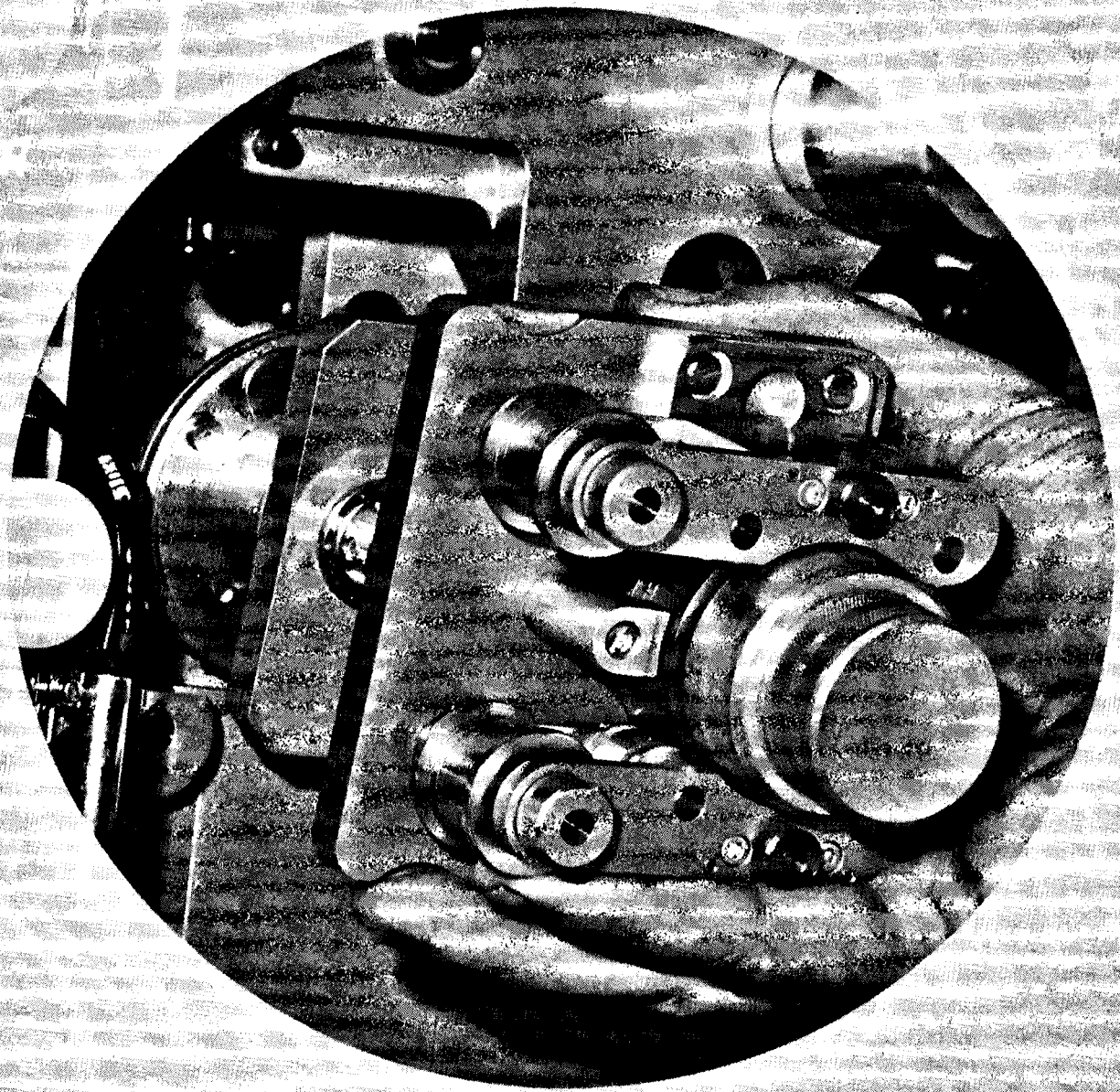
No loss of tight loop either in forward or reverse

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



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Riker Video Industries has acquired J.F.D. Electronics, a manufacturer of television, FM antennas, MATV equipment, capacitors and electronic components. The firm has facilities in New York and North Carolina. This is the fourth acquisition concluded by Riker in 1968. Earlier in the year the company acquired Ward Leonard Electric Co., Angstrohm Precision, Inc. and Master Eagle Photoengraving Corp.

Acme Film & Videotape Laboratories has opened a regional sales office at 333 N. Michigan Ave., Chicago. The firm has offices in New York and maintains laboratories in Hollywood. Head of the new Chicago office is Phyllis Abboud who will act as Midwest Account Supervisor.

Geotel, Inc., is the new name of the corporation previously known as Giannini Scientific Corp., 185 Dixon Ave., Amityville, N.Y. There has been no change in address or any other change. The name was changed to avoid confusion with another company bearing a similar name.

Tele-Tape Productions has moved to 321 W. 44 St., New York, N.Y. 10036.

Visual Systems Div. of Visual Electronics Corp., 356 W. 40 St., New York, N.Y. 10018, has announced appointment of four CATV/CCTV distributors for the firm's Information Systems line: Lake Systems and Visual Systems—NYC (wholly owned subsidiaries of Visual Electronics); K and M Electronics Corp., Edina, Minn.; and Taft Broadcasting, Houston, Tex. The information display systems are compatible with broadcast and cable television.

Philips Broadcast Equipment Corp., Paramus, N.J. will manufacture and market Minicam Mark VI cameras according to the terms of an agreement between Philips and CBS Laboratories. The Minicam is a handheld, wireless, cable-free color television camera developed by the Laboratories for CBS Television Network. The cameras were used at the Republican and Democrat National Conventions. The cameras are equipped with Plumbicon tubes.

Research Products has moved to new and larger quarters at 6860 Lexington Ave., Hollywood, Calif. 90038. The firm supplies equipment to producers of titles and special optical effects. Among its products is the new Aerial Image Optical Printer, Model Printer. It is designed to provide optical effects in either 35mm or 16mm or a combination of the two in color or black-and-white.

A solar simulator developed by Genarco, Inc., a subsidiary of Robins Industries Corp., Flushing, N.Y., uses a 30-mm diameter arc carbon developed by Union Carbide Corp.'s Carbon Products Div., 270 Park Ave., New York, N.Y. 10017. The 120-kW carbon arc light source can irradiate a circle 8 ft in diameter with energy close to that of the sun in space. The simulator, Model TME-7-CWM, is a water-cooled unit. It has a fused silica zoom

lens system that makes it possible to change the size of the irradiated target area, or the distance of the target from the lamp. An automatic magazine feed for the positive carbons permits uninterrupted operation. The negative is a permanent, non-consumable tungsten electrode that operates in an atmosphere of argon.

Cinematation control systems, developed by the Rank Organisation (R. R. E. Pulman, "Projection development and automation in the Rank Theater Division," *Jour*, pp. 647-651, July 1967), have been installed in 17 motion-picture theaters in the United States and Canada. The equipment has been developed for the general requirements of the American and Canadian markets by Essoldomatic Ltd., a company jointly owned by Essoldo Circuit (Control) Ltd. and Rank Audio Visual Ltd., P.O. Box 613, Woodger Rd., Shepherds Bush, London, W.12. Cinematation control systems are designed to control the majority of routine functions which are normally performed manually by projectionists. Operations which depend on repetitive cycles can be programmed for automatic operation.

Projection equipment developed by Fairchild Hiller, Germantown, Md., and viewers developed by Marks Polarized Corp., Whitestone, N.Y., are used to project ordinary motion-picture film in 3-D for stereo vision. The system was demonstrated at private showings in New York in September and is to be publicly demonstrated at the International Film and Television Festival at the Americana Hotel in New York. Private demonstrations were held with 8mm and 16mm film. The system is based on a projector which is altered so that two frames are simultaneously projected and polarized at 90° to each other. A system of mirrors and polarizers in front of the projector permit simultaneous projection. The viewers wear polarized glasses.

A surveillance system for offices, shopping centers, and the like, based on a "sec-in-the-dark" television system has been demonstrated by Westinghouse Electric Corp. at the Western Electronic Show and Convention (WESCON) in Los Angeles. Heart of the system is a 12-lb, low-light-level TV camera which uses a light amplification principle, developed at Westinghouse, called secondary electron conduction (SEC). The camera is designed to produce pictures of standard television quality down to moonlight night conditions. A lens adjustment permits the camera to operate round the clock under varying light conditions. Previously, SEC systems have been used for military and space applications.

Graphic Films Corp., 3341 Cahuenga Blvd., Hollywood, Calif. 90028, has expanded its facilities to include a larger studio, new animation and live-action equipment and a computerized bookkeeping system. The firm specializes in educational films and has recently completed a series of high school films on basic electronics for the Department of Health, Education and Welfare. *Space Navigation*, a film produced by Graphic for NASA, recently won a CINE Golden Eagle award.

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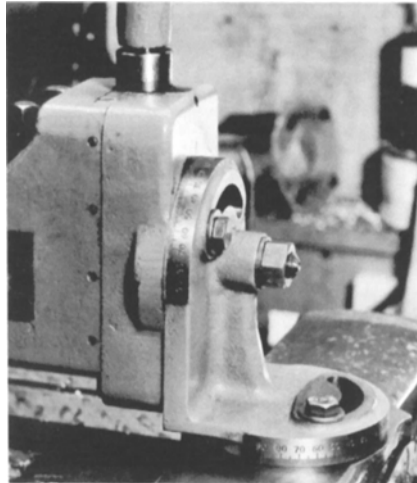
lighting found in most indoor sports arenas and outdoor night ball games. With reversal processing, both films yield a positive image with excellent pictorial quality and good sharpness. When necessary, they may be processed as a negative at some sacrifice of effective film speed and grain size.

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... consider Finopan® Gafstar® Film. This extremely fine-grain, thin-emulsion panchromatic film gives you really sharp negatives with long tone scale. It's excellent for all studio applications and also outdoor photography...when you don't need a fast film but want the finest quality. Finopan Gafstar negatives are especially ideal for producing murals and oversize enlargements.

Well suited to either manual or continuous machine processing, Finopan Gafstar has fast development characteristics, highly desirable in roller transport processing; it allows higher machine speeds and more efficient operation.

For extremely fine-grain negatives, use GAF Hyfinol® developer or a similar



10 diameter enlargement from Finopan negative

fine-grain developer. Minimum exposure and developing provide the finest grain.

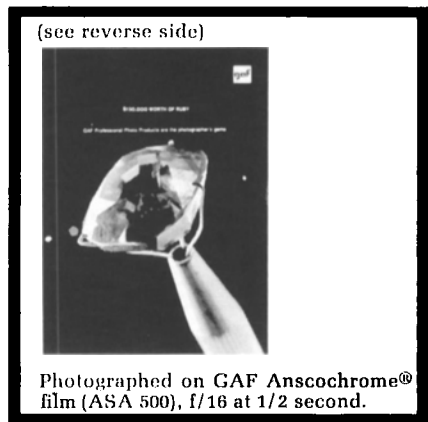
Finopan Gafstar is convenient to use when shooting black-and-white and color at the same time because its film speed (64) is on the speed level of color negative films and allows the use of the same exposure and lighting conditions. Available in standard sheet-film sizes and heavy-base long rolls.



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For many TV stations, the fast growth of color TV has created an equally growing need to bring color film processing "inside".

On several scores, the GAF Anscochrome® color film system has proved itself the ideal answer for many a busy news director faced with the competi-



tive necessity of rapid access to "hot news" color footage.

The Anscochrome AR-2 color film process takes only 23½ minutes to complete the wet stage of processing. Only 11 steps and six solutions are needed—at an easy-to-maintain operating temperature of 80°F. Other processes requiring much higher temperatures need more complex equipment, entail greater capital outlay and operating expenses.

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This processing compatibility and wide selection of film make the Anscochrome color film system overwhelmingly the most practical color system for TV stations to adopt.

Processing compatibility of the system makes for operating speed and convenience, and savings right across the board.

Experienced GAF Field Photo Engineers are ready to help you plan and operate your Anscochrome motion picture film processing setup. For more information, contact your local GAF sales office. Or write for GAF Technical Bulletin 7519-048 which gives facts and figures to assist TV station management in choosing the ideal system.



13760

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Alvin E. Schubert retired August 1 as Manager of Consumer Products Engineering, Eastman Kodak Co. He had been with Eastman for 38 years. His successor is J. Leslie Quigley, former Manager of Quality Control. Joseph W. Little, former Director of Industrial Relations succeeds Mr. Quigley. Wilbur O. Gundlach has been appointed to the post left vacant by Mr. Little's promotion and Charles H. Clemens has been appointed Superintendent of the Consumer Products Assembly Dept. to succeed Mr. Gundlach. Mr. Clemens was formerly Department Head of Still Camera Assembly. Bernard P. Dennis, former General Supervisor, Still Camera Assembly succeeded Mr. Clemens and Merrill L. Doxtader, former Project Engineer has succeeded Mr. Dennis.

Fordyce M. Brown has been elected Senior Vice-President of LogEtronics Inc., Springfield, Va. He will continue as President of Photomechanisms Division, Inc., a subsidiary of LogEtronics, Huntington Station, Long Island, N.Y. Mr. Brown will be responsible for overall direction of product research, engineering and development programs for both organizations. Photomechanisms, formed in 1954 by Mr. Brown and two partners, originally specialized in government contract work for the development of recording cameras and processing and information display devices. The first of a line of cinefluorographic cameras was developed in 1959. The firm was acquired by LogEtronics in 1967.

William C. Lewis has been appointed Managing Director of the Delaware Educational Television Network in Dover, Delaware. He was formerly Technical Service Director of the Network, a post to which he was appointed in 1965 when he became the first full-time employee. He was responsible for the design and construction of the facilities used by the system, including a 25,000-ft² television plant, television system design and equipment specification and also for wiring classrooms for television reception. Before joining the Delaware ETV staff, Mr. Lewis was Chief Engineer for Television at the University of Colorado.

Conkling Chedister has been appointed chief design engineer for the The Kalart Company, Inc., Plainville, Conn. 06062. He is responsible for more than 60 patents, many of which relate directly to film projectors, simulators and other audio-visual equipment. Mr. Chedister was consultant and supervisor for audio-visual presentations at Expo '67. He designed the special programer and repetitive film magazine systems for 35mm motion-picture rear screen projectors used in the Man and Life Theater. He designed the special motion-picture system for the GE Theater at Hemisfair in San Antonio and also supplied the electronic controls.

William L. Kacin has been appointed Vice-President and General Manager of Photomechanisms Division, Inc., a subsidiary of LogEtronics Inc., Huntington Station, Long Island, N.Y. He will be responsible for marketing, production, engineering and other phases of operation and will report directly to Fordyce M. Brown, President of Photomechanisms and Senior Vice-President of LogEtronics.

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