

**Gen. George W. Goddard**, pioneer in aerial photography and now special assistant to the president of Itek Corporation, will speak on cine-stereo techniques at the Oct. 24 meeting of SPIE's New York Chapter. The meeting will be held at 8 p.m. in the auditorium of the Carnegie Endowment Building, 345 East 46th St., New York. Members and guests have been asked to bring polarized glasses for the demonstration accompanying the talk.

**The first International Conference on Photographic Science and Engineering**, under the auspices of the Society of Photographic Scientists and Engineers, will be held April 27-May 1, 1964, at the Hotel Americana in New York. Cosponsor of the Conference will be the School of Engineering and Applied Sciences of Columbia University (founded in 1954). Meetings have been planned for formal presentation of papers, and panel discussions will be held. A preliminary list of topics which fall within the scope of the Conference has been announced. Topics include Photographic Theory (Sensitivity and Latent Image Formation; Image Structure; Sensitometry; Color Reproduction and Sensitization; Amplification); Photographic Materials (Silver Halide Emulsion; Non-Silver Halide Materials); Applied Photography (Data Recording; Graphic Arts; Photomechanical Processes; High-Speed Photography; Processing Techniques, including Rapid Processing; Radiography; Color Processes); and Photographic Apparatus (Cameras and Projectors; Copying and Printing Equipment; Processing Equipment; Light Sources and Miscellaneous Instrumentation).

General Chairman of the Conference is *Dr. Walter Clark*, Eastman Kodak Co., Research Laboratories, Rochester 4, N.Y. Papers Chairman is *Dr. Heinz F. Nitka*, Ansco, Bldg. 44, Charles St., Binghamton, N.Y. Exhibits Chairman is *Howard J. Hall*, Itek Corp., 10 Maguire Rd., Lexington 73, Mass.

**What Is a Television Film?** was the subject of a two-day conference held in Edinburgh during August as part of the International Film Festival. Presented jointly by the Edinburgh Film Festival and *Contrast* (a critical journal published quarterly by the British Film Institute, 81 Dean St., London W. 1) and under the auspices of the International Film and Television Council, the conference explored the esthetic principles underlying the two media of film and television. As part of the conference, some of the outstanding films that have been made

for television, in all parts of the world, were shown. Among the films shown (from countries other than Great Britain) were *The Chair*, produced in the United States by Gregory B. Shucker and Donald Pennebaker; *Lonely Boy*, National Film Board of Canada; *The Witch*, Mosfilm Studios, Moscow; and *The Pilgrims of Bayreuth*, Research Service of Radiodiffusion 'Télévision Française.

Participants in the conference included Dr. John Grierson, known as "the father of British documentary"; Michael Peacock, Chief of BBC's Second Television Programme; James Millar, Head of Programmes, BBC, Scotland; Noel Stevenson, Managing Director, Scottish Television; Pierre Schaeffer, Head of the Research Service of Radiodiffusion 'Télévision Française; John Maddison, President of International Film and Television Council; and David Robinson, Editor of *Contrast*.

**Among exhibits in Eastman Kodak Company's two-level, 60,000-sq ft pavilion** at the New York World's Fair, will be a circular theater capable of accommodating 35,000 people daily; an information center to aid amateurs in obtaining successful snaps, slides and movies of the Fair; a science exhibit; space-age applications of microfilm; and many others. Theme center for the science exhibit will be a designer's interpretation of the action of a quantum of light on a grain crystal of silver halide. The relation of science and photography will be expressed in action displays on such subjects as radiography, high-speed, aerial and time-lapse photography. Other displays will demonstrate medical and industrial uses of photography. Newsreels will be made of important events as they occur at the Fair and the film will then be placed in a rapid processor and projected in the Kodak exhibit to report significant events almost as they occur.

**The Fall Joint Computer Conference** will be held November 12-14 in Las Vegas, Nev. Sponsors are American Federation of Processing Societies, Association for Computing Machinery, Institute of Electrical and Electronic Engineers, and Simulation Councils, Inc. Conference Chairman is James Tupac, P.O. Box 2278, Santa Monica, Calif.

The final program is expected to consist of about 38 papers, selected from more than 200 papers submitted, presented in 15 sessions. Among the fifty or more firms planning exhibits are included the Honeywell Computer Division; California Computer Products; Analex Corp.; Comcor, Inc.; Collins Radio Co.; TRW Comput-

ers; Scientific Data Systems; and General Dynamics Corp. and Recordak Corp.; the latter two having planned a joint exhibit of a computer-microfilm recording system. The Honeywell Computer Division has reserved 10 booths which reportedly will be filled with working hardware. California Computer Products has reserved booths at opposite ends of the area for Dataphone transmittal of information with direct recording by graph plotters. Hardware to be shown for the first time includes a high-density disc file system by Analex Corp. and an operating solid-state analog computer by Comcor, Inc. Working systems are being planned by a number of other companies.

**The Audio Engineering Society** held its 15th Annual Convention and Exhibit October 14-18 in New York. About 95 papers were presented at 14 sessions. Session Topics were Microphones and Earphones; Communications; Wireless Links and Sound Reinforcement; Audio Electronics and Sound Systems; Loudspeakers; Broadcast Audio/Studio Equipment; Speech Processing; Music and Electronics; Audio Techniques in Research; Disc Recording and Reproduction; Magnetic Recording; Recording Techniques; FM Stereo Transmitters and Receivers; and Stereo and High-Fidelity.

At least one paper ("Linguistic Problems in Extraterrestrial Communication," by Russell F. W. Smith, Division of General Education, New York University, New York) explored the possibility of communication with other planets. This paper consists of a linguistic analysis of the nature of language and of mathematics and the problems they pose in attempts to establish communication with extraterrestrial beings of unknown and unseen culture and communications patterns, coming to the conclusion that communication is possible only if two or more types of signal (e.g. TV) can be simultaneously transmitted.

**The Delaware Valley Chapter of the Industry Film Producers Association** has announced a conference and trade show to be held November 15-17 in Camden, N.J. The conference is open to all persons engaged in nontheatrical motion-picture production, manufacturers and suppliers of photographic equipment and students. The program will include nationally known speakers and workshop sessions devoted to specific areas of film production. Detailed information is available from Delaware Valley Chapter, Industry Film Producers Association, Inc., P.O. Box 498, Camden, N.J.

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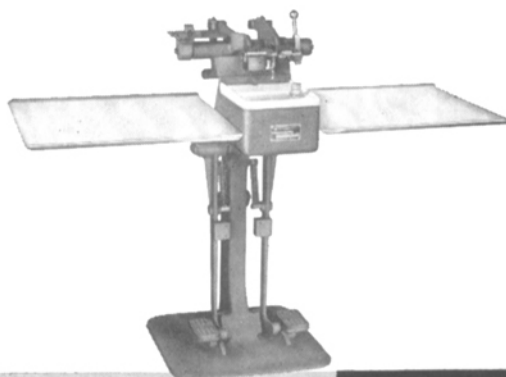
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**The Polytechnic Institute of Brooklyn** will hold the 14th in the series of International Symposia June 8-10, 1964, at the Statler-Hilton Hotel in New York. Theme of the symposium will be Quasi-Optics and will be concerned with electromagnetic phenomena and techniques at wavelengths whose scale is small compared to guiding or perturbing structures. The symposium is being organized by the Microwave Research Institute of the Polytechnic Institute of Brooklyn and will be held in cooperation with the Institute of Electrical and Electronics Engineers. Co-sponsors are Air Force Office of Scientific Research, Office of Naval Research and Army Research Office.

**Motion-picture projectionists** will have better access to information on new developments and equipments through the work of a newly formed committee announced by IATSE International Vice-President George Flaherty. Mr. Flaherty is also President of Studio Projectionists Local 165, Hollywood. Chairman of the new committee is Don Kloepfel, projection supervisor for General Film Laboratories. The committee will work to familiarize projectionists with new equipment and developments, to standardize projection rooms and improve picture quality. The committee also will endeavor to provide employers with current information on the selection and use of equipment.

**Three scholarships** have been awarded by Professional Photographers of America, Inc., 152 West Wisconsin Ave., Milwaukee 3, Wis., for the 1963-1964 school year. Steven D. Foster received a scholarship to the Rochester Institute of Technology, Rochester, N.Y.; Warren S. Knight, Jr., to Brooks Institute of Photography, Santa Barbara, Calif.; and Loren I. Ostir to Germain School of Photography, New York. Applications for scholarships for the 1964-1965 school year are now being accepted.

**Jamaica's first television service** began operations in Kingston on August 5, the first anniversary of Jamaica's independence. It is controlled by Jamaica Broadcasting Corp., a publicly owned, statutory corporation with a Board of Directors appointed by the Government. JBC-TV operates much like ITV in England in that advertisers can buy spots between programs but cannot sponsor a program. Broadcasts are on a seven-hour daily schedule. The transmitter system covers the island of Jamaica and by August 17th it was reported that about 10,000 sets were in operation with an audience estimated at about 100,000 viewers.

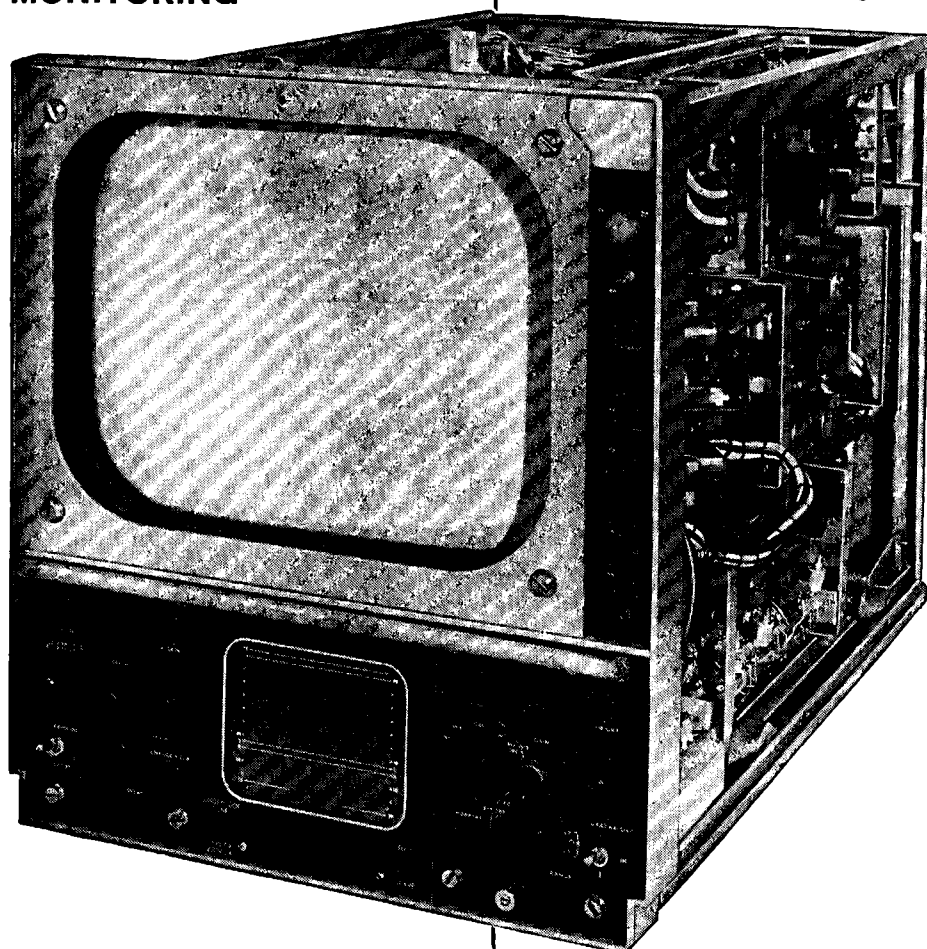
**Perspective movies**, computed and drawn by an electronic data processing system are used by scientists at Bell Telephone Laboratories in studies of the motions of an orbiting communications satellite. The computer-made movies also provide a means of communicating the results of mathematical research with greater clarity than is possible with a written report. In studying satellite behavior, an IBM 7090 digital computer is programmed to generate a magnetic tape containing the data neces-

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sary for describing sequential perspective drawings of the satellite's position and attitude. The tape is given to a General Dynamics/Electronics SC 4020 Recorder which converts the digital data into line drawings on the face of a special type of cathode-ray tube. Images on the face of the tube are photographed by a motion-picture camera. When the film is developed each frame is an accurately drawn perspective picture of the satellite.

In the illustration the satellite is shown as a domino-shaped box with sides identified by distinctive markings. The film depicts the motion of the satellite yawing and turning over, and shows how an undesired motion can be prevented by positioning the gyro stops properly.

**Festival Cinema**, a wholly owned subsidiary of Atlas Telefilm Ltd., of Toronto, Canada, has acquired Film Laboratories of Canada, Ltd., of Toronto. Occupying 40,000 sq ft on a four-acre site, the plant includes processing laboratories for color and black-and-white, three sound stages, recording studios, dubbing theater, and supplementary facilities. Purchase of the Laboratories is part of a plan for production of theater television, the announcement stated. Managing Director will be David H. Coplan, formerly Managing Director of United Artists Corp. Services to producers, including rental of facilities, will be continued.

**Cinerama** has signed a contract with

Rutherford Engineering Partnership, a Bermuda company which has developed through its English affiliate, Nottingham Electronic Valve Co. (Telcan Ltd.), a TV tape recorder for home use. The contract provides for the formation of an American company for the manufacture and further development of the recorder. The device is said to record and replay TV pictures and sound through any TV set, using standard tape. It also makes possible by means of a companion home TV camera the instantaneous recording on tape of picture and sound for immediate replay through a home TV set. The Telcan was described briefly in the *Journal's* New Products column, p. 766, September.

**Allservice Film Laboratories, Inc.**, 35 W. 45 St., New York, is a newly established laboratory offering prompt processing of 35mm and 16mm black-and-white film. Burton Stone is President of the new firm and Bob Crane is Secretary. The firm began operations on August 15 and has continued on a round-the-clock basis.

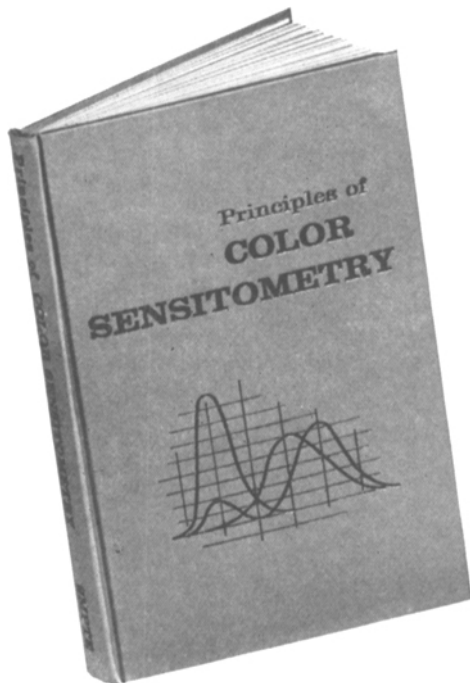
**The Calvin-DeFrenes Corporation** is a newly established firm at 1909 Buttonwood Street, Philadelphia. It is affiliated with Calvin Productions of Kansas City, Mo., and will engage in all phases of film production and services for business, education and television. The new firm will also serve as sales agent for Calvin release printing. Lee Davis, Vice-President of Calvin Productions is President of the new firm. DeFrenes

Company was established in 1916. Joseph DeFrenes retired recently.

**Gerhard Lessman** has been appointed a Vice-President of Cinerama, Inc. He will be in charge of research and development. For many years, he was with Bell & Howell as Associate Director of Research and as Director of Advanced Development. He has also been associated with DeVry Corp., as Chief Optical Engineer, and with the A. G. Optical Co., and the Victor Animatographic Corp. Widely known as an expert in the design and development of motion-picture and optical equipment, among his published papers is "Objective Evaluation of Projection Screens," co-authored with Ellis W. D'Arcy. The paper appeared in the December, 1953, *Journal*.

**Election of two directors and a vice-president for Metro Kalvar, Inc.** has been announced. Charles Pati, Vice-President of Metro-Goldwyn-Mayer International, and Harold C. Harsh, Vice-President of Operations of Kalvar Corp., have been elected Directors and Noel R. Bacon, a former Commanding Officer of the Naval Photographic Center, Washington, D.C., has been elected Vice-President. Announcement was made by Robert H. O'Brien, President of Metro-Goldwyn-Mayer, and Alfred J. Moran, President of Kalvar. Metro-Kalvar Inc., which is owned jointly by the two companies, was formed two years ago to market Kalvar's heat-developed photographic film. The

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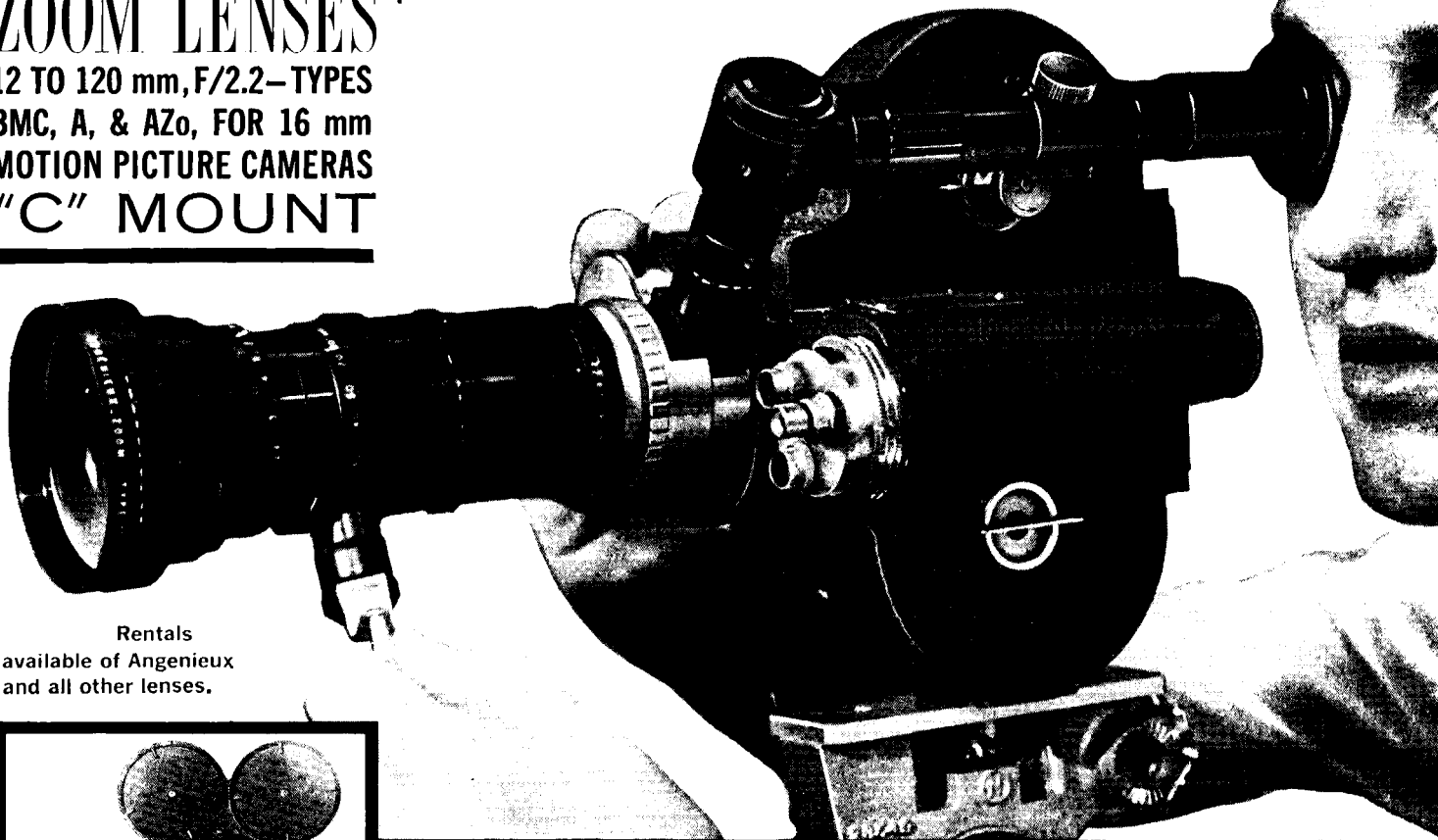
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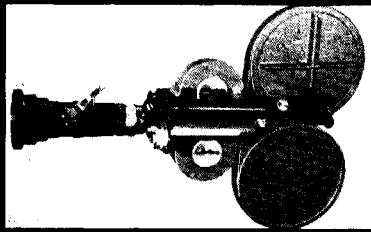
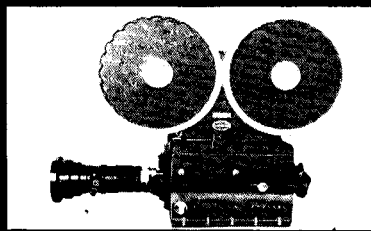
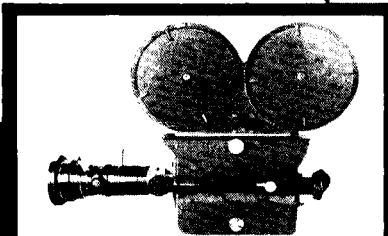
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firm's new offices are located at 550 Fifth Ave., New York. Mr. Pati joined MGM at the age of 14 as an office boy. In 1952 he was appointed assistant to the president of the international company and was elected a vice-president in January, 1963. Mr. Harsh, who holds a number of patents in the photographic field, joined Kalvar in 1962 after 28 years with General Aniline and Film Corp. where he had been Director of Manufacturing for the Ansco and Ozalid divisions. Mr. Bacon joined Kalvar in 1962 as Director of Special Products, following his retirement from the Navy.

Two new appointments have been announced by Reeves Soundcraft, Division of Reeves Industries, Inc., Danbury, Conn.

William H. Deacy III has been appointed Eastern Regional Manager and C. Henry Laird has been appointed Midwestern Regional Manager. Mr. Deacy, whose headquarters will be in New York, will be responsible for sales operations throughout the East Coast from Maine to Florida. Mr. Laird, whose headquarters will be in Chicago, will be responsible for sales activities throughout the Midwest territory.

Nathan D. Golden who retired March 29 from his post as Director of the Scientific, Photographic and Business Equipment Division of the U.S. Department of Commerce, Business and Defense Services Administration (*Journal*, p. 430, May 1963), has announced that he is now

engaged as counselor-at-law and consultant to business and industry on government and international trade. His offices are in the Warner Theater Building, 501 13th St., N.W., Washington, D.C. 20004.

William H. Heflin and Saul Kurlat have been elected to the Board of Directors of Beckman & Whitley, Inc., increasing the number of directors from seven to nine. Beckman & Whitley, a wholly owned subsidiary of Technical Operations, Inc., Burlington, Mass., manufactures photoinstruments, meteorological instruments and ordnance devices. Mr. Heflin is Executive Vice-President and General Manager of Beckman & Whitley. Mr. Kurlat is Vice-President for Planning at Technical Operations Research.

Charles W. Seager has been appointed National Sales Manager of Professional and Industrial Products for the Photo and Repro Division of General Aniline & Film. He has been with the firm since 1946 and during that time has served in a variety of assignments including Director, Education Department; Manager, Sales and Technical Services; and Manager, Professional Motion Picture Sales.

Scheuring S. Fierke has been appointed head of the newly organized Photomaterials Division of the Kodak Research Laboratories. The new division is expected to consolidate and intensify research and development work in such areas as photosensitive resins, electrophotography, thermography and various other means of producing images.

Arthur J. Kjontvedt has been appointed Vice-President of Marketing of Houston Fearless Corp. He has been with the firm since 1952. As project engineer, his first assignment was to the development of an automatic processor for 9½-in. wide aerial reconnaissance film. Prior to joining Houston Fearless, he was Chief of the Photographic Ground Support Section at the Air Force's Wright Air Development Center Aerial Reconnaissance Laboratory.

C. J. Tevlin has been appointed Director of the Motion Picture Services Division of Superscope Inc., 8150 Vineland Ave., Sun Valley, Calif. Among his responsibilities will be the introduction of the soon-to-be-announced Superscope wide-screen motion-picture process. Mr. Tevlin was formerly head of General Services Studio and was Vice-President in Charge of Production of RKO Studios. He has also been an independent producer.

Robert Hills, Senior Staff Scientist in the Applied Optics Division of Itek Corp., has been appointed Manager of the firm's Graphic Processing Division. In his new post, Dr. Hills will manage Itek's engineering and marketing activities in processing pictorial information. Specialization within the division includes the areas of electrooptical systems, micro-image storage and retrieval, and photooptical systems.

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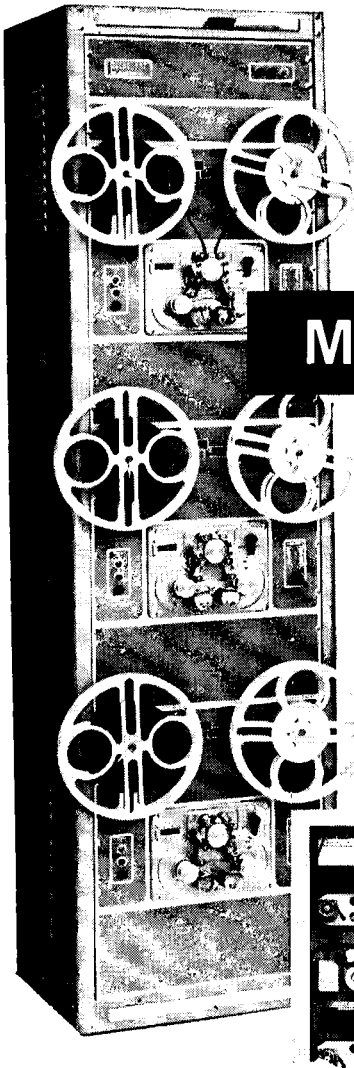
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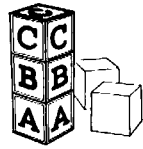
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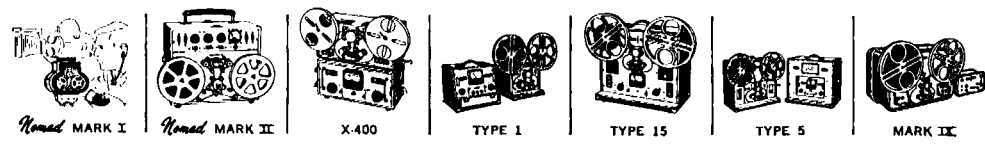
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- ITALY, Rome  
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- PAKISTAN, Karachi-3  
Film Factors, Ltd.  
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- SOUTH RHODESIA, Salisbury  
William Over & Co. Pvt. Ltd.  
Kingsway & Manica Road
- THAILAND, Suriwong, Bangkok  
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