

The two West German technological motion-picture and television engineering organizations have been merged. On October 9 of last year, during the 20th Conference of the Fernseh-Technische Gesellschaft (FTG — Society for Television Technology) and in a joint session with the Deutsche Kinotechnische Gesellschaft für Film und Fernsehen (DK — German Society for Motion-Picture Technology for Film and Television) it was resolved that these Societies should be merged to form a new entity to be known as the Fernseh- und Kinotechnische Gesellschaft (FKTG — Society for Television and Motion-Picture Technology). The activities of the DKG, which had been founded in 1920, and those of the FTG, which came into being as a natural consequence of developments in the television field, came to overlap and interlace to the point where it became apparent that, in the best interest of both societies and for the efficient coordination of their multiple projects and activities, their merger into a single organization was the most sensible and logical solution. Extensive discussions throughout both societies had preceded this develop-

ment. The new organization, the FKTG, will continue, we are sure, the internationally recognized and outstanding work of both the parent societies in the good tradition which has been their hallmark. The Society of Motion Picture and Television Engineers extends congratulations to the FKTG and looks forward to the continuance of the friendly and fruitful cooperation that have characterized relations in the past.

The well-known West-German technical publication *Fernseh- und Kino-Technik* has been retained as the official publishing medium for all activities of the FKTG.

The first session of Film '73, to be held 25-29 June at the Royal Lancaster Hotel in London, will be a State-of-the-Art Survey during which a panel of experts will discuss recent developments in technique. A session on Image Quality will be held Tuesday, 26 June, during which papers will be presented on such topics as new optical developments, maintenance of optical efficiency and image granularity. A survey on cleanliness and dust control will be presented. In the afternoon there will be a session on The Electronic Reproduction of Film during which new devices for color negative grading and for checking prints intended for telecine use will be described and new standards of reproduction from 16mm material will be discussed.

The Wednesday morning session will be on Sound Recording and Acoustics. Papers on the EBU time code, new portable

equipment and possible applications of multichannel to TV and film will be among those presented at this session. The Wednesday afternoon session will be on Lighting — For Which Medium? New light sources and lighting techniques will be discussed.

Thursday morning will be devoted to a forum on Training for a Film Career. The Thursday afternoon session will be on Film Plus Tape — the theme of Film '73. There will be two sessions on Friday morning, one on Super 8 and the other on Studio Methods which will take up new construction and new materials for studio scenery.

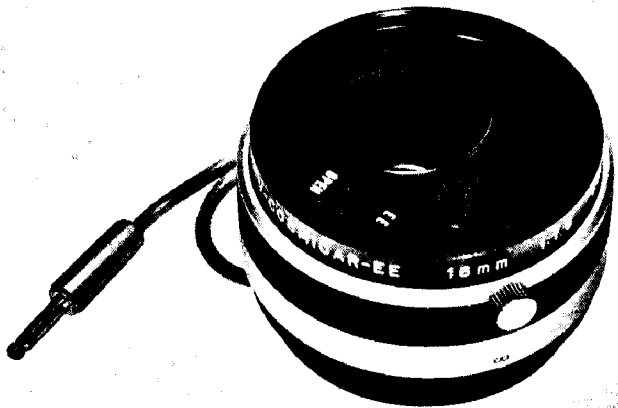
Among the speakers and authors of papers will be (from the United Kingdom) C. B. B. Wood, John Corbett, David Kitson, Bill Fitzwater and Ben Palmer, all of BBC; Bernard Happé of Technicolor; and Ron Haig of Lipsner-Smith. Visiting speakers will include Daan Zwick, George Quellet, Ryle Gibbs and Ken Lisk.

In addition to the papers program, visits will be arranged to studios, laboratories, equipment manufacturers and other places of interest.

Additional information is available from Paul D. McGurk, Organiser Film '73, BKSTS, 110-112 Victoria House, Vernon Place, Southampton Row, London WC1B 4DJ, England.

The University of Southern California Div. of Cinema and Universal Studios have announced a summer program to be

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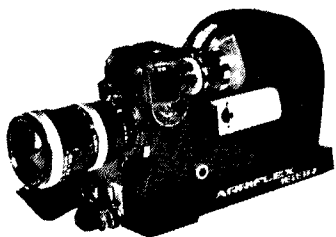
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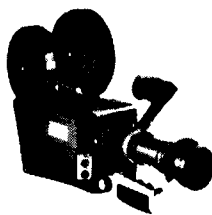
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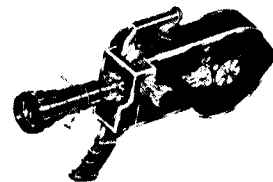
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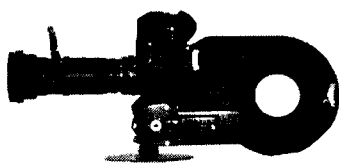
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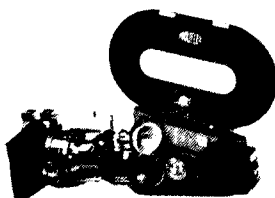
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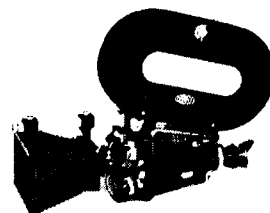
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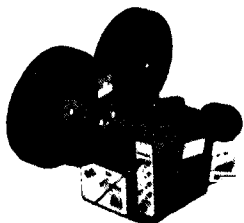
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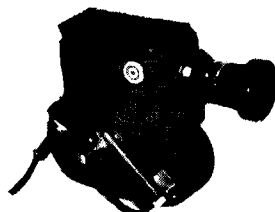
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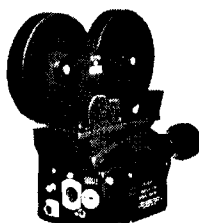
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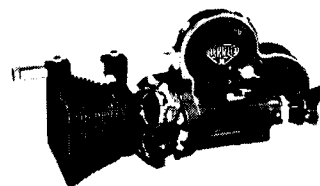
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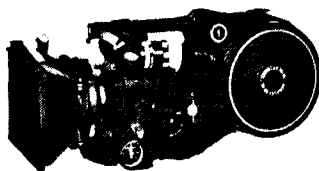
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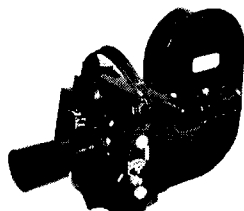
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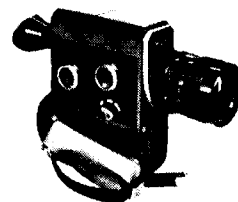
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held 18 June to 27 July. Instruction will be given in film history, film economics and techniques of filmmaking. Classes will be conducted on USC campus and, on two days of each week, on the Universal lot where Universal executives will lead discussion groups, conduct seminars and provide film screenings. The program is similar to the USC-Universal program offered last year (*Journal*, p. 312, Apr. 1972). Students will be expected to complete two 8mm films and will also work with 16mm film. Additional information is available from the Director of the USC-Universal Studios Summer Cinema Program, Div. of Cinema, University of Southern California, University Park, Los Angeles, CA 90007.

**The Institute of Optics, University of Rochester**, has announced two short courses — Contemporary Optical Engineering to be held 16–27 July, and Optical System Design to be held 30 July–2 Aug. Contemporary Optical Engineering is a non-credit program designed to be a refresher course for professional men and women whose optical training must keep pace with recent developments. The course will explore four main topics: Coherent Optics; Electro- and Acousto-Optics; Generation and Measurement of Light; and Image-Forming Optics.

Optical System Design is intended primarily for the benefit of engineers and physicists who may have to plan an optical system to achieve some particular pur-

pose. The course will be given by Prof. Rudolf Kingslake of the Institute of Optics and head of the Optical Design Dept. of Eastman Kodak Co.

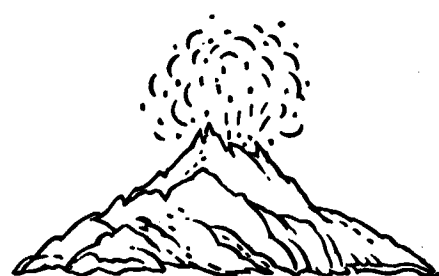
**Rochester Institute of Technology's Div. of Photographic Science and Instrumentation** has announced a program leading to the degree of Master of Science suitable for matriculation on a part-time basis. Day-school courses will be offered during evening hours on a rotating basis. The program is designed for students holding a degree in science, engineering or mathematics.

A typical course is that of Photographic Chemistry, which is an evening course in the chemistry and photographic properties of photographic emulsions and developer solutions. Topics in photochemistry, chemical equilibrium, kinetics and electrochemistry necessary to the study will be reviewed. Further information is available from Prof. Ronald Francis, Chairman, Photographic Science and Instrumentation Div., Rochester Institute of Technology, Rochester, NY 14623.

**The Biological Photographic Assn.** will hold a fourth annual five-day workshop in Biomedical Photography 18–22 June at the University of Southern California, School of Medicine, Los Angeles, Calif. Subjects to be covered include optics, color theory, photomicrography, motion-picture technique and closed-circuit TV. Additional information is available from Paul K. Mil-

ler, R.B.P., Director of Medical Photography, St. Joseph Hospital Medical Center, Burbank, CA 91505.

**The Eastman Kodak Co. Marketing Education Center**, 343 State St., Rochester, NY 14650, has announced its 1973 schedule of programs in motion-picture film production and processing. Courses and workshops include the Basic Film Production Workshop, Advanced Film Production Workshop, Sound and Double Application Workshop, Summer Film Production Workshop, Ektachrome Processing Workshop, Eastman Color Negative II Film Workshop, and Color Reversal Intermediate/Lab Practices Workshop. Some 21 classes of the seven courses will be held at the Kodak Marketing Education Center in Rochester and at regional Marketing Education Centers in San Francisco, Dallas, and Oak Brook, Ill. The Film Production Workshops (Basic and Advanced) replace the Newfilm Workshops previously conducted by Kodak and are open to all professionals in the field of cinematography. The Summer Film Production Workshop is open to high school and college teachers and administrators. It explores the techniques of producing motion pictures for teaching a variety of subjects. The first workshop was held 29 January and the courses and workshops will continue through 7 December 1973. In addition to the workshops held in the United States, the Basic Film Production Workshop will



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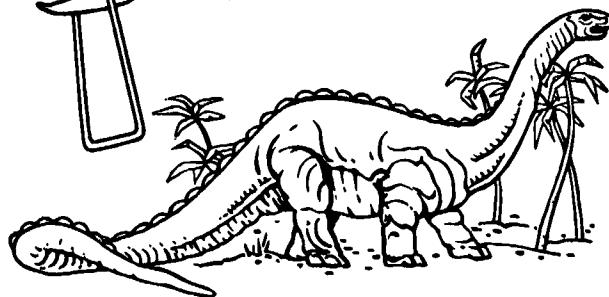
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Atmospheric Effects  
Special-Effects Props  
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Pyrotechnics  
Sources of Special Effects (Appendix)  
Index  
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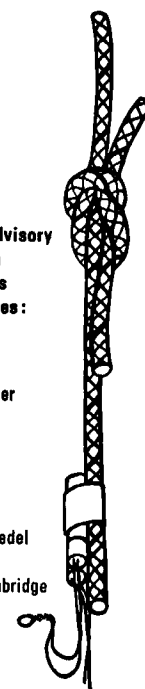
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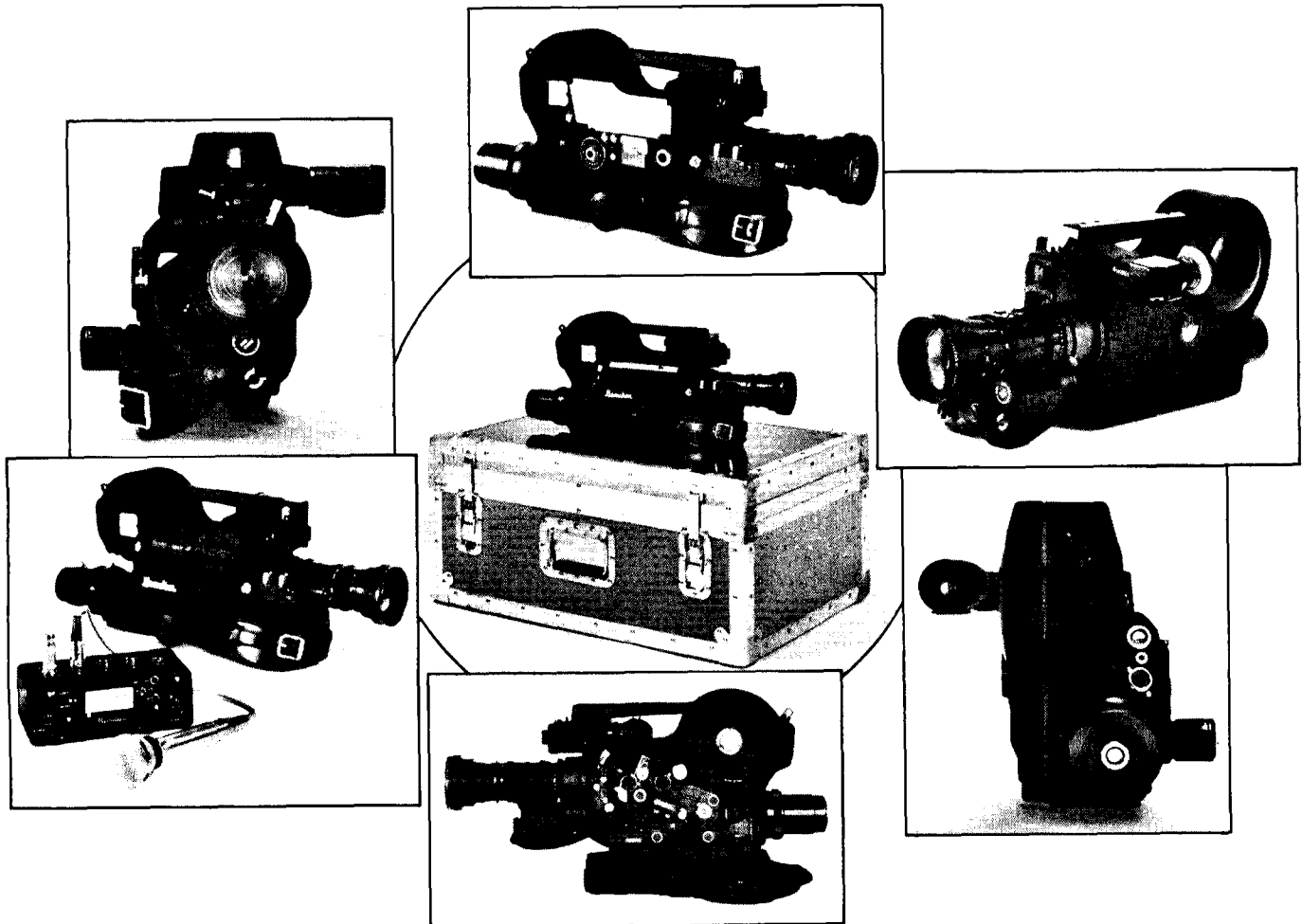
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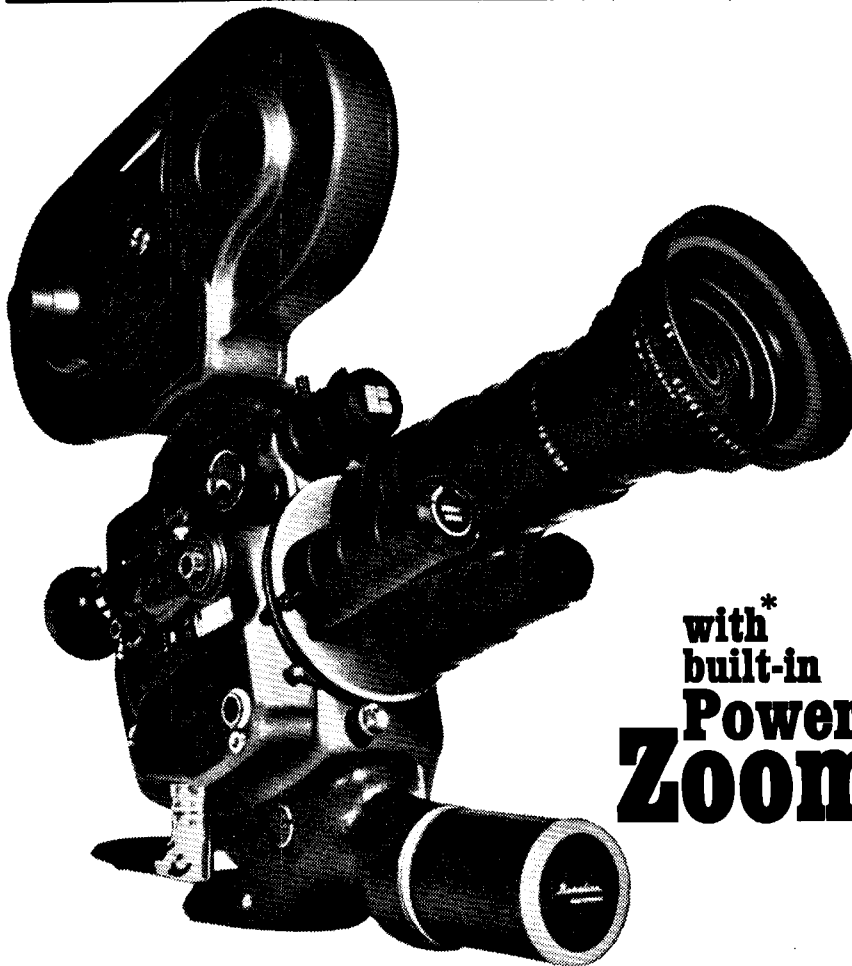
The modular construction of the camera permits instant and rapid changing of key parts (power supplies, motors, lenses, sound modules) without the requirement of tools. A full range of professional accessories (batteries, charging units, etc.) are available separately so that the cameraman is able to build up his equipment, as needed, to suit the requirements of any given shooting assignment. The Beaulieu "News 16" basic unit comes equipped with either an Angenieux 12-120mm or Angenieux 9.5-57mm zoom lens.

Full technical information on the "News 16" is now available. For further details write to:

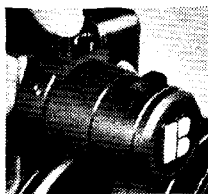
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be held in Beirut, Lebanon (26-30 March), Nairobi, Kenya (9-13 April) and in Brazil (18-22 June).

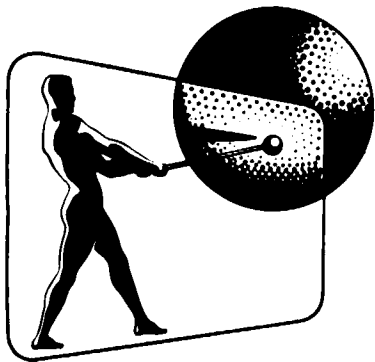
**Lighting for Television**, an intensive three-day course will be held 8-10 Apr. at the Georgia Educational Television Center, Atlanta, Ga., under the auspices of the Educational Broadcasting Institute of the National Assn. of Educational Broadcasters. The course will be conducted by William M. Klages, Vice-President of Imero Fiorentino Associates, 10 W. 66 St., New York, NY 10023.

**TeleMation, Inc.**, P.O. Box 15068, Salt Lake City, UT 84115, has announced its Winter-Spring schedule of television production seminars. The seminars consist of a two-day Beginning Seminar, followed by a two-day Advanced Seminar. The series began 30 Jan. in Norwalk, Conn. Beginning 14 Mar. the two two-day seminars will be held in Anchorage, Alaska. Subsequent seminars will be held in San Francisco, beginning 20 Mar.; Buffalo, N.Y., 10 Apr.; Indianapolis, Ind., 24 Apr.; Washington, D.C., 8 May; and Milwaukee, Wis., 22 May.

**VidExpo 73**, Billboard Publication's third international video marketing conference and exhibits will be held 4-7 Sept. at the Hotel Plaza in New York City. The conference will deal with current applications in the corporate, educational, governmental and retailer areas. The exhibit will show video hardware and software systems. Further information is available from Stephen Traiman, Billboard Publications, Inc., 1515 Broadway, New York, NY 10036.

**Consolidated Film Industries**, 959 Seward St., Hollywood, CA 90038, has announced that all three color light valves on all of its high-speed printers have been connected through a CFI-designed circuitry and multiplexing unit to an IBM System/7 computer. The system is "on-line" in that it monitors the action of all the light valves connected to it concurrently with the printing operation. Any deviation of the light values for each of the colors as chosen by the timer is indicated both to the printing machine operator and on an automatic typewriter readout. Computer and printing machines can be set so that the printer will stop if an error should occur. In making the announcement, Edward Reichard, CFI Vice-President and Chief Engineer, noted that the system permits checking of new light valves before being put into operation—a procedure impossible before the system had been designed. The typed readout becomes a record of each light valve's performance; the appearance of errors on any regular basis is an automatic cue for required maintenance. Errors, even those well below the acuity level of human vision can be instantly detected by the computer system, Mr. Reichard said.

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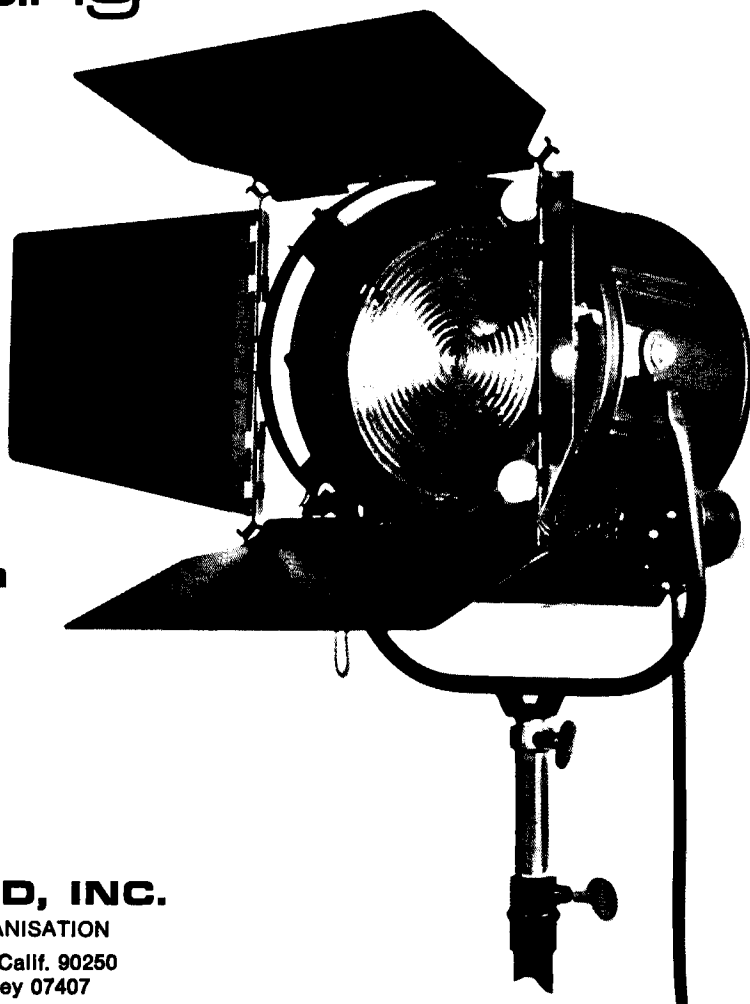
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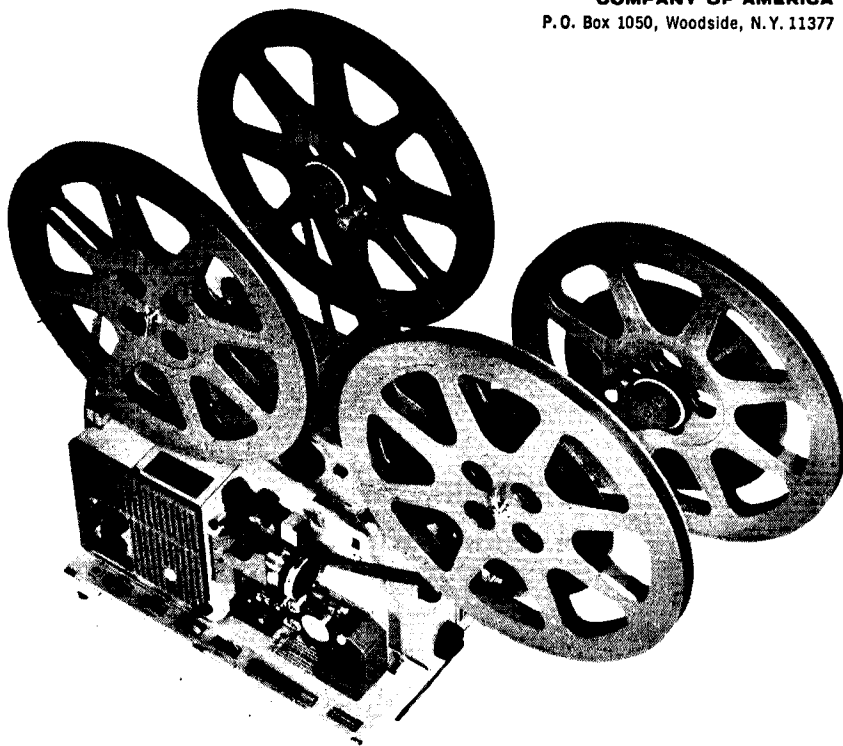
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licenses to two national distributors for manufacture and marketing of its new Automatic Skew Correction System for video playback in the home, it was announced by Joseph L. Stern, GCC Vice-President of Engineering. The firms are: Television Microtime, Inc., a subsidiary of Anderson Laboratories, Bloomfield, Conn.; and Avtel Corp., Glen Head, Long Island.

The GCC Skew Correction System is an electronic device that automatically eliminates distortion of pictures in programs played over home television sets through videocassette systems. The device monitors video signals as the magnetic tape moves through the cassette player, detects timing errors caused by tape shrinkage or stretching and continually corrects the tape tension as picture images are fed to the television screen. The device was described by Thorsten Cook in a paper ("Automatic Skew Control for Cassette Videotape Recorders") presented on 24 Oct. 1972 at the SMPTE Conference in Los Angeles.

Following development of the Skew Correction System, the Star Pak system, with built-in skew correction, was developed to be used in cable TV for bringing first-run motion pictures and other programs to subscribers. The Star Pak system was described in a paper presented on 20 Jan. at the SMPTE Winter TV Conference in Key Biscayne, Fla.

Eastman Kodak Co. has announced the opening of its new Hawaii Marketing and Distribution Center in Honolulu. The new facility covers 40,000 ft<sup>2</sup> and is intended to serve Kodak customers in such fields as professional and consumer products, graphic arts, color finishing, radiography, microfilm business applications, motion pictures and education. The building will also house Kodak's Consumer Center established to provide prompt responses to customers who have questions about Kodak products or various aspects of photography.

Camera Equipment Co. of Hawaii, located at 2805 Ala Wai Blvd. in Honolulu, has been appointed the Alan Gordon Enterprises Inc. representative in Hawaii and the South Pacific. The company will specialize in the CP-16 news and documentary camera in addition to representing all AGE Inc. professional motion-picture equipment. Head of the company is James H. Sturdevant.

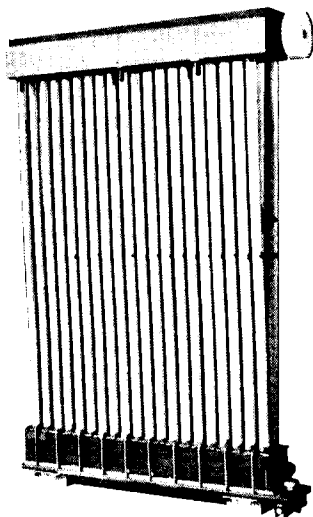
Alan Gordon Enterprises, 5362 N. Cahuenga Blvd., North Hollywood, CA 91601, has announced a major expansion of its professional motion-picture division. It has added 4,000 ft<sup>2</sup> to its building at 1430 N. Cahuenga Blvd. and will utilize the space for a new camera service department, an added showroom area and a sound test chamber.

TeleMation, Inc., P. O. Box 15068, Salt Lake City, UT 84115, has announced the opening of a branch office at Prairie Village, Kansas (near Kansas City, Kan.). District Manager for the new office is Michael D'Amore who has been with TeleMation since 1970. In his new post he will

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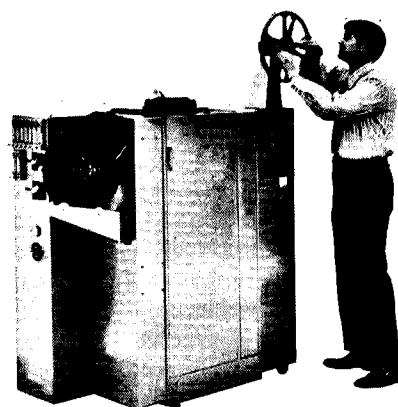
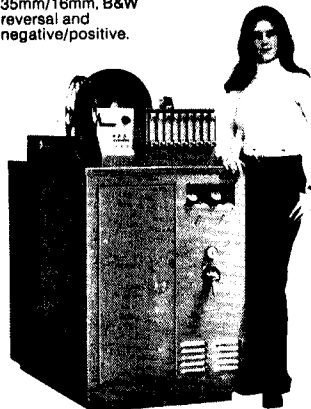
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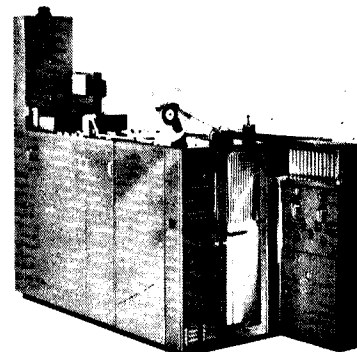


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Conducts ECO-3 and ME-4 for all 16mm, 8mm Ektachrome camera and print films at 65 to 75 FPM. Other models run Eastman Color and other processes in 16mm and 35mm.



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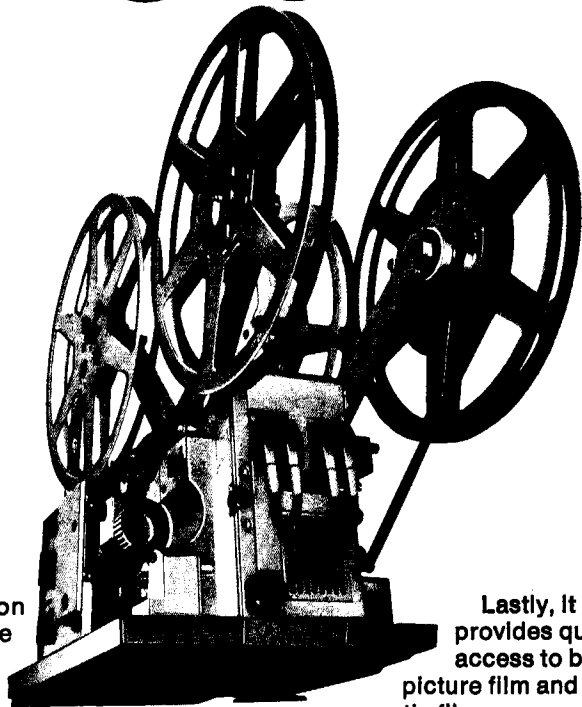
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EQUIPMENT DIVISION 9171 King Arthur Drive, Dallas, Texas 75247 (214) 638-2660 Represented in Europe, the Middle East and South Africa by W. Vinton Limited.



# Instant studio.



Just switch on this double band projector, and you've got as complete a film-and-sound studio as any 16mm film-maker would want.

Called (appropriately enough) the Bauer P6 Studio, our unit offers a number of advantages. It projects both optical and magnetic sound tracks. Does lip sync recording and playback of magnetic sound on 16mm full-coated magnetic film. Offers a choice of 200 mil edge and 100 mil center tracks. Transfers sound from picture film to magnetic film, or vice versa, without requiring additional equipment. Permits sound monitoring during the recording on any magnetic track. And, of course, has a synchronous motor.

And even its amplifier is studio-like, including the outputs, which match the impedances of studio equipment.

Lastly, it provides quick access to both picture film and magnetic film.

For additional information, contact your authorized Bauer dealer. Or drop us a line.

You'll get instant action.

And ask about our other professional 16mm projection equipment:

**The Bauer P6 Synchron.** With sync motor for critical TV work and for synchronizing with tape recorders. Manual threading. Optical playback, magnetic record-playback.

**The Bauer P6 Automatic 300.** Super-quiet and super-bright. Uses metal arc light (almost 4 times as bright as conventional tungsten lamps). Optional change-over device permits continuous showing of any length film.

**The Bauer P6 Automatic M152.** A superb A-V projector. Self-threading, with optical playback, magnetic record-playback. Sound-on-sound facilities.



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\*Bauer, a Reg. TM of Robert Bosch Photokino GmbH

For details, write JS-3 0.

be responsible for the sale and distribution of TeleMation's proprietary and vendor products in Kansas, Nebraska, Iowa and western Missouri.

Eclair cameras manufactured by Eclair International/France will be handled by Société Nouvelle Soremec-Cehess, Gérance Libre d'Eclair International, 14 rue Gailon, 75002, Paris, France. The firm handles electrical and electronic equipments and computers. Eclair Corp. of America is located at 73 S. Central Ave., in Valley Stream, N.Y. It was recently appointed exclusive distributor of Zeiss Vario-Sonnar lenses with Eclair CA-1 mounts.

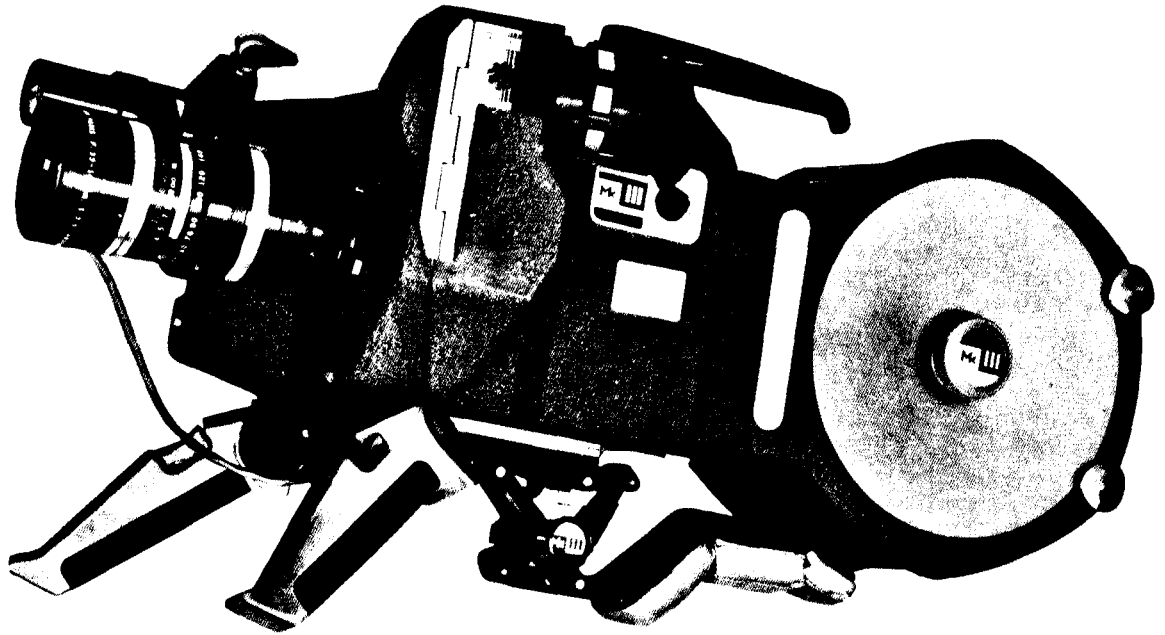
The Agfa-Gevaert subsidiary in Great Britain has announced a considerable enlargement of its facilities. The company recently took a 21-year lease on a warehouse in the Ravensett Industrial Park in Dunstable. The warehouse covers 17,000 m<sup>2</sup> and will be used as a central stock and distribution service.

Image Transform Inc., 4142 Lankershim Blvd., North Hollywood, CA 91602, has signed an exclusive marketing agreement with Far East Laboratories, Ltd., Kyoto, Japan. Image Transform, specializing in videotape-to-film conversions has granted Far East Laboratories exclusive representation rights in Japan, Korea, Formosa, The Phillipines, Indonesia, Malaysia, Singapore, Hong Kong, Thailand and China. Founded in 1935, Far East maintains facilities in a number of cities in Japan. In 1963, it was appointed by Eastman Kodak as the only laboratory in Japan to process Kodachrome film.

Eastman Kodak Co. has announced construction of new facilities for the production of Estar polyester film base at the Kodak Colorado Div. at Windsor, Colo. It is expected that the facilities will be completed in 1974 and equipment will be installed and operational by the end of 1976. Estar base is a transparent flexible sheet upon which light-sensitive photographic emulsions are coated. It will also continue to be made in Rochester.

Sony Corp. of Japan has announced construction of a plant in suburban San Diego, Calif., to manufacture Trinitron color TV picture tubes. The new plant will have about 170,000 ft<sup>2</sup> of floor space and is designed to allow for future expansion. The tubes produced in the new plant will be used in Sony Trinitron sets assembled in the firm's existing San Diego facility. This facility began operation in August 1972 and presently assembles some 6,000 Trinitron sets each month. The new tube plant will increase Sony's manufacturing space in the United States to 310,000 ft<sup>2</sup>.

Slawomir Kojiro, a senior in film study at Columbia College, 540 N. Lake Shore Dr., Chicago, IL 60611, is the recipient of the second Chicago I.A.T.S.E. Camera-man's Scholarship presented annually to a student at Columbia College majoring in film studies who meets certain qualifications. The scholarship is presented by the International Photographers of the Mo-



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The finest compact and mobile 35mm professional camera available in this new era of cinematography.

Since 1921, the Mitchell camera has been the "standard of quality" throughout the world. The new Mark III is another landmark in Mitchell's pioneering tradition. Light in weight but heavy in performance, the Mark III has the distinctive features perfected by its predecessor PLUS . . .

**LIGHT WEIGHT** — Magnesium castings are used to keep the weight, less lens, to 23 pounds without sacrificing Mitchell quality.

**SILENT** — New design techniques insure the camera output sound level is in the 30 DB range.



**FILM TRANSPORT** — The world-famed Mitchell MK II intermittent movement proven for all types of operations from animation to high speed. Dual register pins with dual pulldown claw assure absolute film control. 170 degree adjustable shutter.

**CRYSTAL REGULATED MOTOR** — Accuracy is plus or minus 15 parts per million at all speeds for precision sound synchronization. Variable speeds of 8 - 16 - 24 - 25 - 28 - 32 FPS. Automatic out-of-sync light is visible in viewing system. Automatic slate system fogs film in gate and sends signal to tape recorder.

**REFLEX VIEWING** — Rotary mirror, brilliant F2.0—6.2 power viewing. Generous 6mm diameter exit pupil provides maximum eye comfort.

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When it is time to design a better professional camera, Mitchell will produce another new Award Winner.

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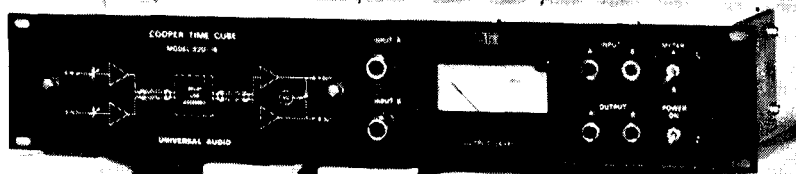
- Cost per MS less than 1/3 that of a digital device
- Lowest distortion, even at low levels (less than .5%)
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The Model 920-16 system provides TWO electronically independent delays: One of 16MS and one of 14MS. They can be used separately, in Quad synthesis or for simultaneous "loudness enhancement" of two single channels. Or, the two delay lines may be cascaded for 30MS delay to an "echo chamber" or reverberation device.

Model 920-16 Time Cube is the *only* acoustical delay line system of professional quality, and is designed specifically for recording studio applications and optical film recording.

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\*Evolved from the original design of Dr. Duane H. Cooper of The University of Illinois, in collaboration with M. T. Putnam of UREI.



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tion-Picture Industry, Local #666. While at Columbia, Mr. Kojiro has worked on several short films. He did the camera work on *Lavender* a class project film that is now being distributed by Perennial Films.

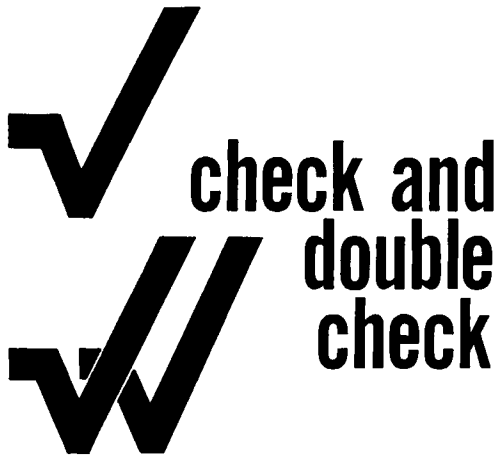
The Optical Coating Laboratory's Technical Products Div., Santa Rosa, Calif., has announced the opening of a regional sales office at 413 Via Chico, Palos Verdes Estates, to provide the area with technical and sales assistance for the company's line of vacuum deposited thin film optical coatings and associated products. Thomas A. Richter has been appointed Regional Sales Manager for the new facility.

Fred Sytsma, a second-year student in Rochester Institute of Technology, One Lomb Memorial Dr., Rochester, NY 14623, has been awarded a scholarship established by W. P. Smith, Jr., President of School Pictures, Inc., of Jackson, Miss., for the Photographic Processing and Finishing Management program at RIT. The scholarship was established in honor of T. Carter Harmon, a long-time executive director of the American Assn. of School Photographers Inc.

Robert L. Shoemaker is the recipient of the Commemorative Award for Meritorious Service presented by the National Audio-Visual Assn., 3150 Spring St., Fairfax, VA 22030. Mr. Shoemaker is one of the founders of the National Institute for Audio-Visual Selling (now known as the NAVA Institute for Professional Development) and for many years was a member of the faculty, it was noted in the citation.

Katharine Burr Blodgett, a distinguished physicist who has received international recognition for her work in thin films and her development of "invisible" or nonreflecting glass, has been awarded the PSA Progress Medal, the highest honor bestowed by the Photographic Society of America. Dr. Blodgett was the first woman to receive a Ph.D degree in Physics from Cambridge University and the first woman scientist to join the staff of the General Electric Research Laboratory. The citation accompanying the PSA award noted "her discovery of nonreflecting glass which has had a world-wide effect upon the entire field of optics and has made possible the superbly coated lens system used in photography today."

Howard B. Hitchens, Jr., Executive Director of the Assn. for Educational Communications and Technology, has been elected President and Chairman of the Board of Directors of the Educational Media Council, 1346 Connecticut Ave., NW, Washington, DC 20036. Herbert E. Farmer, Director of Services for the Dept. of Cinema at the University of Southern California and SMPTE Vice-President for Educational Affairs, is the newly elected EMC Vice-President. The new Secretary is Pearce S. Grove, Library Director of Eastern New Mexico University and Chairman of the Audio-Visual Committee of the American Library Assn.; and the new Treasurer is Albert J. Rosenberg, Vice-President of McGraw-Hill Book Co., repre-



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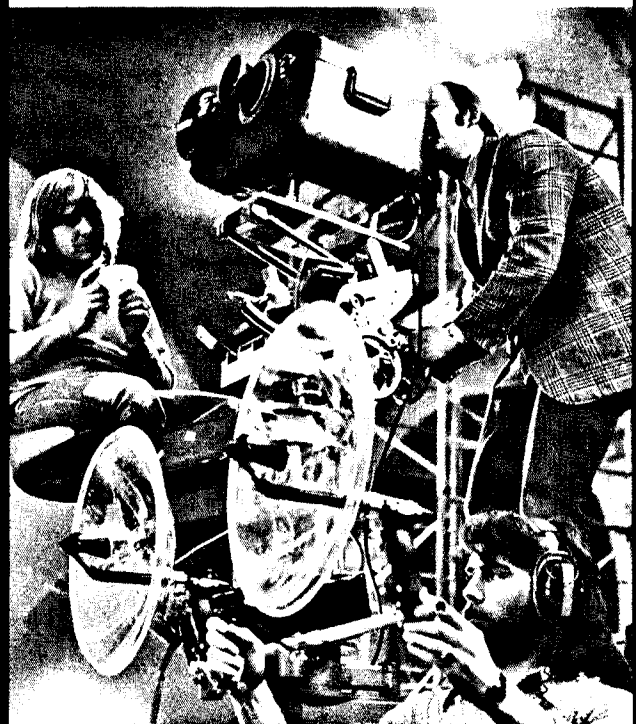
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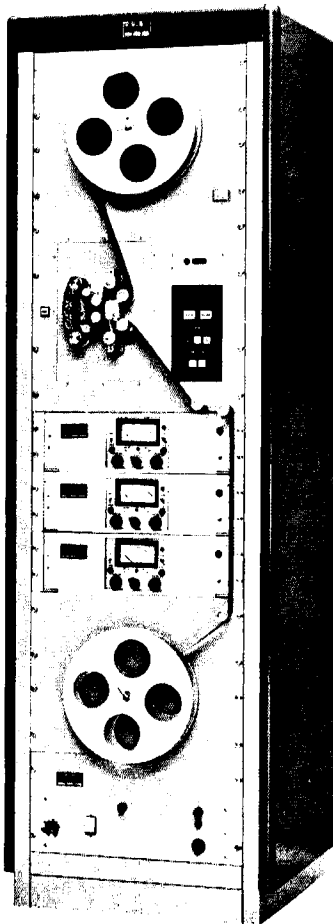
provide

high  
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sound  
quality

You can insert corrections, delete errors, add extensions and post-sync dialogue on your film. Or update an existing magnetic track.

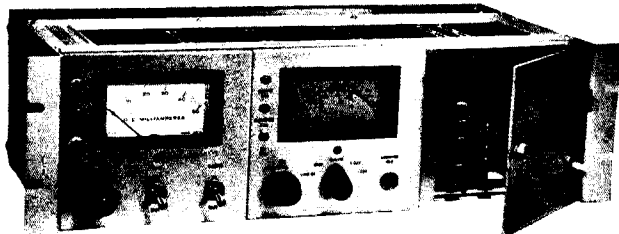
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senting the National Audio-Visual Assn. in EMC. The elections took place at the 31st meeting of EMC which was held at the Sheraton-Park Hotel in Washington, D.C. The 32nd meeting will be held 30 May - 1 June.

John G. Stott has been appointed Director of Chemistry Research and Quality Control for WRS Motion Picture Laboratory, 210 Semple St., Pittsburgh, PA 15213. Mr. Stott was formerly with Eastman Kodak Co. where he engaged in research on color films and processing, studio and laboratory design and the production of Eastman network television programming. In his new post he will head a new WRS Chemistry Research section and will supervise the firm's quality control procedures.

Maurice G. Wolfe has been appointed Executive Vice-President and General Manager of Hervic Corp./Cinema Beaulieu, 14225 Ventura Blvd., Sherman Oaks, CA 91403, it was announced by William Herskovic, President. Mr. Wolfe was formerly a Marketing and Sales Consultant to such firms as Technicolor Corp., Wein Products and Photo Plastics International. In his new post, in addition to other managerial activities, Mr. Wolfe will direct and control the firm's national sales force servicing some 600 photographic dealers throughout the United States.

Juan J. Amodei and Leonard R. Weisberg have been appointed directors of two new laboratories at Itek Corp.'s Central Research Laboratories in Lexington, Mass., it was announced by Henry R. Lewis, Vice-President for Research and Development. Dr. Amodei will direct operations of the Optics and Electro-Optics Research Laboratory, a unit which combines three formerly separate groups. The new laboratory will merge the work on new devices of the physics group, the optical technology of the optics group and the systems capability of the electronics group. Mr. Weisberg will direct operations of the new Materials Research Laboratory which will investigate photographic materials, photoconductors and polymers and will also conduct research on new electrooptic and electronic materials. Dr. Amodei was formerly Head of Quantum Electronics Research at RCA Laboratories in Princeton, N.J. Mr. Weisberg was also with RCA Laboratories as Director of the Semiconductor Device Research Laboratory.

Sol Halprin has been appointed Technical Sales Representative for Fuji motion-picture films. A pioneer cinematographer and co-inventor of CinemaScope, Mr. Halprin was formerly head of the camera department of 20th Century-Fox. In his new post he will advise motion-picture professionals on the use of Fuji motion-picture films. His base of operations will be Hollywood Film Co., 956 N. Seward St., Hollywood, which is the west coast sales and storage agent for Fuji motion-picture products. Products of Fuji Photo Film of Japan are distributed in the United States by Fuji Photo Film U.S.A., 350 5th Ave., New York, NY 10003.