Film 71

Film 71, the international film technology conference, was held during June at the Royal Lancaster Hotel in London under the auspices of the British Kinematography, Sound and Television Society (BKSTS). More than 1,000 persons from 25 countries attended, with the SMPTE represented by about 50 members.

Film 71 opened on June 21. The theme was The Commercial Application of Technology and the opening address was delivered by D. W. Samuelson, BKSTS Chairman.

Highlight of the conference was the presence of Prince Philip, Duke of Edinburgh, who was introduced by Mr. Samuelson. He told the delegates that a conference is "about the best basis of international understanding you can hope to find anywhere. No amount of correspondence or technical articles are the same as an hour with the man face to face."

There were five day-long technical sessions at the Royal Lancaster on topics of Cost and Quality; Picture Production—Packaging and Distribution; Camera Design; Color Film and The Effect of Television on the Film Industry. In addition there were seven commercial presentations at the nearby Coburg Hotel. The presentations, including demonstrations of equipments, were on Theatre Sound; Film Production Technology; Film Laboratory Services; Film Laboratory Equipment and Materials; New Theatrical Film; Super-8 Cassette Systems and Film and Television Applications. More than 50 papers were presented by internationally known authorities on various aspects of film engineering and production.

Chairman of Film 71 was R. G. F. Chase. Papers Chairman was P. R. Berkeley and Associates Papers Chairman was C. B. B. Wood. More than 50 firms participated in the Equipment Exhibition. Demonstrations of equipments were conducted by about a dozen firms at the Coburg Hotel.

A program of technical visits to studios and plants in and near London, participated in by a number of firms, was arranged by G. W. Stanwix. A comprehensive program of social events, arranged by R. Adams for delegates and their wives, was concluded June 25 by a banquet at the Royal Lancaster Hotel.

Overall arrangements were under the guidance of Organizing Secretary, Paul D. McGurk. Chairman of Film 73, which will be held in London in June 1973, will be Robert Pulman.

Roland J. Zavada, new PH22 Chairman

The Society, as secretariat of the American National Standards Committee PH22 on Motion Pictures, announces the appointment of Roland J. Zavada as chairman of PH22. Mr. Zavada succeeds Robert E. Birr who served eleven years in that position.

A Fellow of the Society, Mr. Zavada has been intimately associated with the development of motion-picture standards, both as Chairman of the 16 and 8mm Committee and as a member of the Standards Committee. He represents the Photographic Society of America on the PH22 Committee.

On the international level, Mr. Zavada has been particularly active in the work of

ISO Technical Committee 36, Cinematography, as Chairman of Interim Working Group B-65 on super-8 standardization, as the USA representative on Preparatory Working Group 1 on Film Dimensions, and as chairman of Preparatory Working Group 5 on Spools, Shafts and Magazines. He is a member of the USA Committee for TC 36.

In 1967, he participated as a USA delegate to the Sixth Plenary Meeting of ISO/TC 36 held in Moscow, and in June 1971 was leader of the USA delegation to the Seventh Plenary Meeting in London.

A graduate of Purdue University, he has also received a diploma in photographic technology from the Rochester Institute of Technology and a Master of Science from the University of Rochester.

Professionally, Mr. Zavada is a senior product engineer with the Eastman Kodak Company in Rochester, N.Y., assisting in the coordination of activities of various film manufacturing departments in the development of new film products and maintenance of quality.

Supplementing his work in standardization activities, Mr. Zavada contributes heavily to the programs of the Photographic Society of America, Society of Amateur Cinematographers, Kodak Camera Club, of which he is a past president, and the Civil Air Patrol. — *A.E.A.*

The Ad Hoc Committee on Photographic Processing Pollution Abatement held its first meeting May 24 in New York with 16 persons representing 11 firms in attendance. Gerald C. Alletag, President of Metacomet Inc. was elected Chairman Pro Tem of the Ad Hoc Committee. Members of the committee exchanged information and experience concerning pollution inquiries and problems. There was a general discussion of ways in which the industry could best assist in federal, state and local efforts to establish meaningful effluent standards which would safeguard the environment with as little disruption as possible to standardization in photographic processing developed over the past 30 years. Members of the Ad Hoc Committee volunteered to cooperate in project work which might be undertaken by the Sectional Committee PH 4 on Photographic Processing, American National Standards Institute, 1430 Broadway, New York, NY 10018. On the following day ANSI Sectional Committee PH 4 at its regular meeting voted unanimously to undertake this work and appointed Mr. Alletag as Chairman Pro Tem of a special Task Force for this purpose.

The first meeting of the Task Force was held July 23 in New York. Future programs will include studies of effluents, analytical methods, toxicity test methods and public relations.

Wilton R. Holm, President of SMPTE, takes obvious pleasure in presenting to J. Carl Treise, President of Treise Engineering, Inc., the Society's award for the best exhibit booth at the 109th SMPTE Technical Conference held in April in Los Angeles.

Exhibit Award

Treise Engineering, Inc., San Fernando, CA, was the winner of the Exhibit Award for the outstanding display at the 109th Conference Equipment Exhibit that was held at the Century Plaza Hotel in Los Angeles, April 25-30.

Wilton R. Holm, SMPTE President, recently presented the Award plaque to J. Carl Treise, President of Treise Engineering, Inc.

The Treise display featured their line of film processor accessories, including sound track applicators, film waxers, backing removal units, film rollers and film sprockets. Also on display were various types of removal film racks that are adaptable to other types of film processors for modification of these units to the Treise "SBR" film transport system.

The SMPTE Exhibit Award is chosen by a special Exhibit Award Committee for the most imaginative, effective and best presented display.

The Society of Photographic Scientists and Engineers will hold the third Symposium on Unconventional Photographic Systems (systems other than those that use conventional silver halides to form images) Oct. 21–23 in Washington, D.C. Three sessions are planned, each devoted to a particular group of related systems and introduced by an invited state-of-the-art review paper covering significant developments in the field since the last Symposium. Major topics will be Non-Conventional Silver, Electrophotography, and Organic-Based Imaging. The symposium will include discussion sessions and workshops. Further information is available from Robert H. Wood, Executive Director, SPSE, 1330 Massachusetts Ave., N.W., Washington, DC 20005.

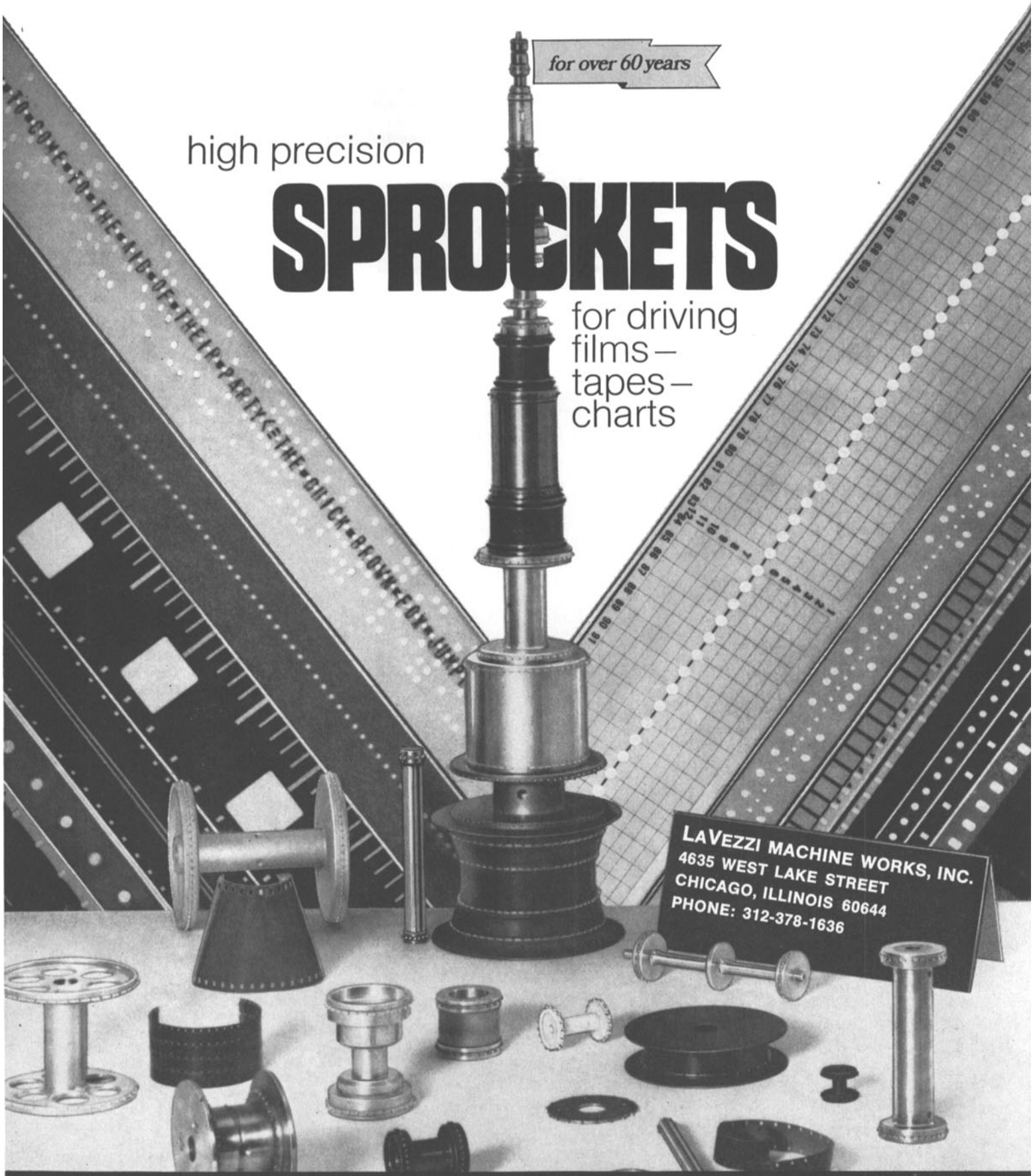
The 12th Annual Conference and Trade Exhibit of the Information Film Producers of America, Inc. (IFPA), will be held Oct. 14–16 at the Town and Country Hotel and Convention Center, Mission Valley, San Diego, Calif. Theme of the conference will be New Dimensions in Communications. IFPA is a society of nontheatrical film producers described as "the connecting link between the creative and the technical men and women of the audio-visual industry." A feature of the conference will be presentation of awards, including the Cindy Award, for nontheatrical films of creative and technical excellence. Further information is available from Jack West, IFPA National Office, P.O. Box 1470, Hollywood, CA 90028.

CINE (Council on International Nontheatrical Events), 1201 Sixteenth St., N.W., Washington, DC 20036, has announced that seven films produced in the United States received awards at the 1971 Melbourne Film Festival in Australia. The award-winning films are: *Rodeo* (silver trophy Special Award), produced by National Communications Foundation, of Los Angeles; *The Key Maker* (Film School Prize), directed by Trace Johnston of the University of Southern Cailfornia Cinema School; *I'm a Man,* Peter Rosen Productions; *The Wolf Men,* MGM Documentary; *The Great Walled City of Xan* and *Special Report,* both produced at the University of Southern California. These four films received Diplomas of Merit.

Prizes were also awarded to four films produced in Great Britain, it was announced by the National Panel for Film Festivals, P.O. Box No. 76, Hercules Rd., London, S.E. 1, England. The Special Television Prize awarded to the best film produced specifically for television went to *It's All in the Game I'n it,* made by London Weekend TV. The other prize-winners are *Airport* and *A Note From Above,* produced by Derek Phillips, *Hetty King—Performer,* produced by David Robinson and *Quiet Mutiny,* produced by Granada Television.

Three Hope Reports will be published during 1971 by Hope Reports, 58 Carverdale Dr., Rochester, NY 14618. *AV-USA 1971* will be supplemented by full reports on *AV in Education 1971* and *Motion Pictures and Video Cassettes 1971.* The 50-page supplement on education will report on the education market in much greater depth than previously, both statistically and in review of the year's progress. For example, a complete analysis of educational 16mm and 8mm films and filmstrips will be included with a detailed subject breakdown for each type. The report on motion pictures and video cassettes will include theatrical and television as well as nontheatrical films. The report on video cassettes is in response to the interest of Hope clients. The series of three reports —which cover all of 1970 and the first half of 1971 — will be available at a price of $135 ($125 softbound). Outside the United States the series is priced at $150 ($135 softbound).

Feature Films 1921–1930, the first volume of the *American Film Institute Catalog of Motion Pictures Produced in the United States* (*Journal,* p. 556, June 1970) lists and describes more than 6,600 feature films produced during the 1921–1930 decade. The volume is in two sections. The first lists the films in alphabetic order; detailed descriptions are included. The second section contains a 534-page Credit Index and a 183-page subject index which



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reveals the topical content of the films. The two sections contain 1,653 pages and the two-section volume is available from R. R. Bowker Co., Order Dept., P.O. Box 1807, Ann Arbor, MI 48106, at the price of $55 (in the United States and Canada —$60.50 elsewhere). This is the first volume in the projected 19-volume *Catalog* series. Each volume will cover a decade of films produced in the United States, except for a general volume for the period 1893-1910.

Making Super 8 Movies of Slides, in *Audio-Visual Notes From Kodak* (T-91-1-2), available from Eastman Kodak Co., Motion Picture and Education Markets Div., Rochester, NY 14650, describes, in a step-by-step illustrated presentation, how to make a movie consisting entirely of still images or how to include still images in a movie as a special effect." By using remote control slide projectors and automatic cameras, special effects can be achieved that would not, ordinarily, be possible with super-8 movie-making equipment. The equipment required is listed and the procedure is clearly described.

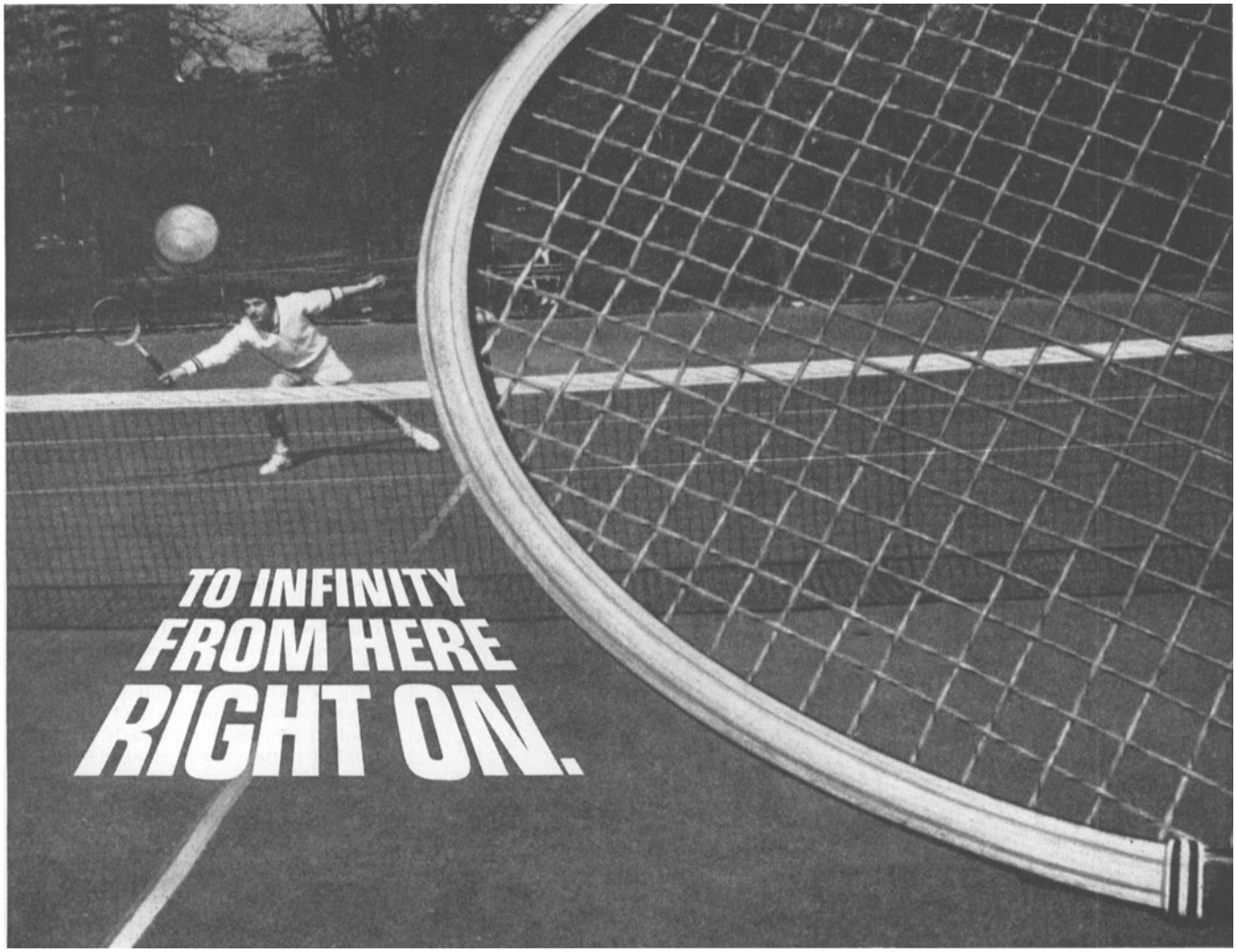
The 16mm Eclair-Debrie N.P.R. camera, blimped, with Add-a-Vision added is now being used at EMI Elstree Studios for Monty Berman's international TV series, *Jason King*, it was announced by Eclair-Debrie (UK) Ltd., Orion Works, Northfield Ave., Ealing W13, England. The Eclair 16 has been used for many years for news and documentary work. Its use on the *Jason King* series is its first use for an international TV series. For use on the TV sound stage it was necessary to add a blimp to eliminate all noise and the Add-a-Vision system was incorporated in the system. Since handheld operation was not required, the camera with its associated Add-a-Vision equipment in the blimp was mounted on a plate together with the electronic viewfinder and crystal motor control box and the whole assembly was fitted to a geared head on a crab dolly.

Byron Motion Pictures, Inc., 65 K St., N.E., Washington, DC 20002, has announced purchase of a lot adjoining its studios for construction of studios for production of television shows in the entertainment, educational and commercial fields. Immediate plans are for construction of a 60- by 80-ft stage and later plans are for construction of a 150- by 200-ft stage. New high-speed duplicating equipment will enable making five copies of one-hour taped shows in 6 min. The new equipment includes two Ampex AVR-1 recorders and one ADR 150 master and two ADR 150 slave duplicating machines. While the new stages are under construction a small studio in the present facility is available for rental to producers.

Electrographic Video Services, 410 E. 62 St., New York, NY 10021, has installed an elctronic film/tape editing machine developed by CBS and CMX Systems (see "New Television Production Techniques" by Joseph A. Flaherty, Jr., and Kenneth I. Taylor, *Journal*, pp. 605–611, August 1971). EVS recently enlarged its videotape facilities by forming EVS/Advertel at the same address. The new division duplicates and distributes videotape commercials and programs.

Comcast Corp., 2227 Barclay Bldg., Bala Cynwyd, PA 19004, which recently announced an agreement to merge with Snelling & Snelling Inc. (OTC), has agreed to purchase Westmoreland Cable Co., a 9,000-subscriber TV cable systems complex serving nine municipalities in Westmoreland County, Pa. The company also announced purchase of two smaller systems in Baldwyn, Miss., and Selmer, Tenn.

The Minicam camera, used to beam live pictures from inside the human body to a network of closed-circuit TV monitors, has been adapted to the new technique of microneurosurgery at Presbyterian Medical Center in New York. The Minicam camera, developed by CBS Laboratories, High Ridge Rd., Stamford, CT 06905, can operate at light levels approximating starlight through the use of the SEC vidicon developed by Westinghouse Corp. The minicam was described by McMann and Streeter in the November 1969 issue of the *Journal* ("A Digitally Controlled Miniature Color Camera"). In televising the neurosurgical operation, high-resolution pictures of each phase of the procedure were transmitted to a 19-in TV monitor located a few feet from the operating table. A network of closed-circuit monitors



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at strategic spots in the hospital made it possible for medical students and nurses to observe the entire procedure. Pictures seen on the monitors were reported to be equivalent to the best color images seen on TV studio monitors. During the operation pictures were projected from within the cranial area through a specially-devised fiberscope attached to an image port of the operating microscope.

Development of a crystal that stores hologram images as atomic patterns that can be read out one by one by slow rotation in a laser beam, like photographic slides in a projector, has been announced by RCA Laboratories, Princeton, N.J. The holograms are stored in crystals of lithium niobate or barium sodium niobate said to be 500 times more sensitive to laser light than crystals previously produced. Theoretically, a trillion bits of information can be stored in a cubic centimeter of crystal and a display from such a hologram can be brighter than a display from a conventional photographic-film hologram using the same readout laser. The increase in sensitivity in the crystals is achieved by doping the lithium niobate and barium sodium niobate with metallic impurities.

A laser-light technique for identification of pollutant gases in the air has been devised at Bell Telephone Laboratories. The equipment at present can identify gases that are oxides of nitrogen (which are quite toxic and among the main pollutants found in automobile exhaust and smoke stack emissions) can be measured in quantities as small as 10 parts per billion parts of air. The equipment for the tests includes a tunable laser called a "spin flip" Raman laser. The system includes a powerful electromagnet used to "tune" the laser beam to a desired frequency by changing its magnetic field, a fixed frequency pump laser and a rotating shutter to interrupt the beam at regular intervals and cause a pulsing action. The laser beam is directed into an optoacoustic absorption cell containing the air sample. The cell contains a sensitive microphone with a cylindrical diaphragm which converts changes in air pressure into electrical energy. Each type of gas can be identified by the specific frequency of light that it absorbs.

The Kodak Video Film Express, a 55-ft tractor-trailer van designed to travel throughout the country to demonstrate the mobility and versatility of film to television and nontheatrical film users, has been announced by Eastman Kodak Co., 343 State St., Rochester, NY 14650. The Video Film Express contains its own power and water supplies and equipment to collect effluents and properly dispose of chemical watses. It has complete capability to originate, process, edit and project (conventionally or on a television screen) super-8 and 16mm color film and 35mm color slides. The van itself measures 40 ft long by 12 ft wide when opened; when traveling, it is 8 ft wide. It contains equipments including super-8 and 16mm motion-picture cameras, 35mm still cameras, chemical storage and film processing facilities, super-8 and 16mm projectors, 35mm slide projectors, super-8 and 16mm editing equipment, super-8 and 16mm television film chains and color TV monitors. A platform on top of the van has electircal facilities for lighting to enable location filming.

"Instant" recording studios using pre-engineered acoustical panels are described in Bulletin 6.0008.0 available from Industrial Acoustics Co. (IAC), 380 Southern Blvd., Bronx, NY 10454, designer and manufacturer of the Moduline acoustical structural system. The bulletin describes the construction of the prefabricated panels, the design of the recording-studio complex and construction of the facility. Seven diagrams illustrate panel design, studio layout and construction procedures, while tables list typical transmission loss of the acoustical panels, their sound-absorption characteristics and the acoustical performance of the assembled studio. The report was first published in the *Journal of the Audio Engineering Society*. The author, Alan Smith of the Naval Training Center in Orlando, Fla., collaborated with IAC engineers in building a recording studio from Moduline prefabricated panels. Advantages of the use of the prefabricated, as cited in the report, include time and cost savings, predictability of acoustic performance and the capability of de-

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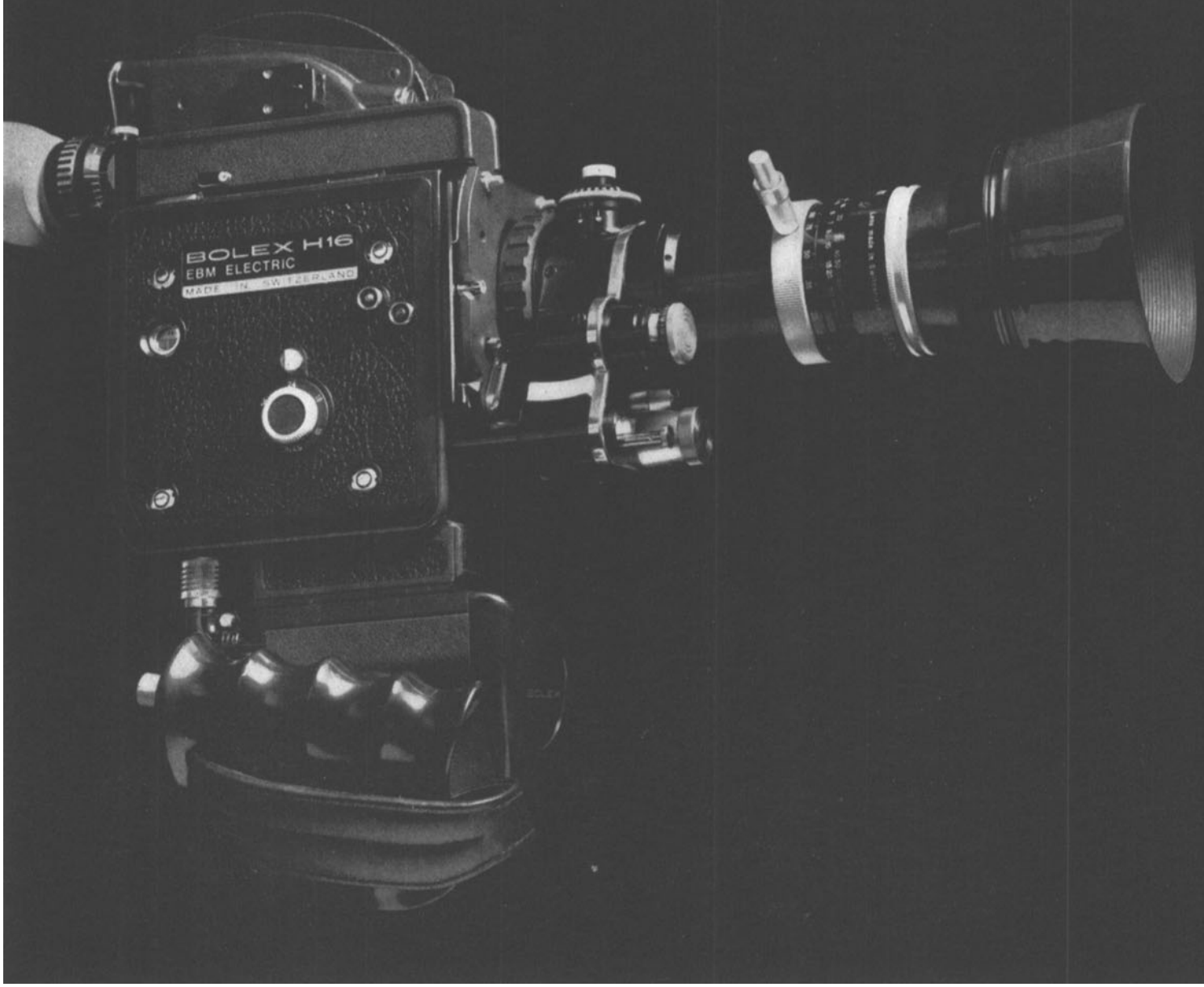

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mounting or redesign or reassembly of studios with no loss of acoustical integrity. The importance of the proper selection of a site for the recording studio complex is also stressed in the report.

MPL Table Talk, No. 4, published by Motion Picture Laboratories, Inc., 781 South Main, Box 2627, Memphis, TN 38102, for users of 16mm film, continues the discussion of sound recording for motion pictures begun in issue No. 3. The illustrated 6-page manual explains the principles of sound recording and discusses such essential matters as the microphone — placement and problems — and how to select and work with a narrator. A future issue of *MPL Table Talk* with continue the discussion of sound recording.

Precision Film Laboratories has moved to new quarters at 630 Ninth Ave., New York, NY 10036. The firm was formerly located at 894 E. 51 St. in Brooklyn.

Dr. Peter C. Goldmark is retiring on Dec. 2 as President of CBS Laboratories. His invention, in 1948, of the long-playing microgroove phonograph record revolutionized the recording industry. Dr. Goldmark is also the developer of the electronic video recorder, and more recently, of the color camera responsible for the television pictures from Apollo 15. In announcing his retirement Dr. Goldmark declined a prospective new post as Corporate Chief Scientist at CBS.

Renville H. McMann, Jr., has been appointed Executive Vice President of CBS Laboratories. In his new post he will have the responsibility for major aspects of CBS technological research and development. In 1955, following several years with NBC, Mr. McMann joined CBS Laboratories as an engineer. He was promoted to project engineer in 1958; section head, military and industrial engineering, 1958; director of engineering, 1960; and vice president and director of engineering, 1965. He has been a major participant in such CBS Laboratories projects as the "starlight" television camera for transmitting color pictures from inside the human body for medical use, the image enhancer and electronic color corrector for better television picture reproduction and the CBS Minicam Mark VI hand-held television camera system. Mr. McMann was a member of the team which developed EVR and holds several patents on this system. He also headed development of the Photoscan Image Transmission Systems used by the military to transmit reconaissance photographs from the air to the ground.

Harvie E. Schwartz, Jr., a technical expert with CBS for 27 years, has been appointed Manager of Electronic Maintenance, CBS Electronic Video Recording Division, at Rockleigh, N.J.

His responsibility there in his new position is to ensure the uninterrupted operation of electronic facilities, the supervision of emergency maintenance and the minimizing of equipment stoppage. He was formerly Section Manager, EVR Technology Dept., with the added responsibility of development of color recorders. During the past year he has been involved in installation and shakedown of equipment at Rockleigh.

Elmer A. Bowen, formerly Application (Products) Manager of Union Carbide Corp., has left the company. His engineering and marketing management services are available at 26 W. 201 Tomahawk Drive, Wheaton, IL 60187. While with Union Carbide, Mr. Bowen was responsible for the design and development of a number of new products, including an electrostatic collector to eliminate soot particles from carbon-arc exhaust. He acted as liason in the development of arc carbons for use in the U.S. Space Program, to simulate sunlight in outer space. He also instituted a technical training program for field salesmen to instruct them in the technical aspects and uses of the industrial product line.

Elie C. Katz, formerly Vice-President of Sonocraft Corp., has set up his own Company, Scan-Rate Inc., for sales, engineering and consulting in the audio/video field. Scan-Rate Inc. services its customers in programs from production planning to the acquisition of systems and equipment in the audio/video field, for CCTV, CATV and MATV. The address of Scan-Rate Inc. is P.O. Box 565, Paramus, N.J. 07652 Telephone: N.J. (201) 265-2623; N.Y. (212) 564-7188.

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