

## Education, Industry News

The 1961 National Conference of the Society of Photographic Scientists and Engineers will be held May 22-26, at the Arlington Hotel, in Binghamton, N.Y. One of the important events will be a panel discussion on "Communication Theory in Photography," moderated by R. Clark Jones. The panel discussion is scheduled for the afternoon of May 25 (Thursday). Session topics include Color Photography (two sessions); Test Methods and Instruments; Aerial Photography, Data Acquisition, Instrumentation; Response Characteristics of Photographic Systems; and Theory and Chemistry of Photosensitive Systems. In addition to the Papers Program a Ladies Program and various social events have been planned. Registration chairman is A. F. Jennings, 32 Castle Creek Rd., Binghamton, N.Y.

The papers program of the 17th Annual National Electronics Conference, to be held October 9-11, 1961, in the International Amphitheatre, Chicago, will cover a wide range of topics, exploring almost every field of interest to electronic engineers. Space Communications, Man in Space, Learning and Adaptive Systems, Instrumentation, and Optical Communications are only a few of the disciplines and techniques to be covered in papers scheduled for presentation at the Conference. Awards of \$500 each will go to the authors of the two best papers. Recipients of Awards for papers presented at the 1960 NEC are L. P. Huelsman, Univ. of Ariz., for "Active RC Synthesis With Prescribed Sensitivity," judged the best overall paper; and R. M. Lerner, Mass. Inst. Tech., author of "Modulation and Signal Selection From Digital Data Systems," judged the best tutorial paper. The Papers Program is under the guidance of W. L. Firestone, Motorola, Inc., 4501 W. Augusta Blvd., Chicago 51.

Plans for the formation of a new technical group to be organized by the Theater Equipment and Supply Manufacturers Association (TESMA) with the cooperation of this Society have been announced. Creation of the new group is for the purpose of implementing an industry-wide theater improvement program, resembling in many respects the program of the now-defunct Motion Picture Research Council (*Jour.*, p. 364, May 1960). Preliminary discussions engaged in by the SMPTE Executive Council and representatives of TESMA indicated that there would be no conflict of interests between the Society and the proposed group.

Restoration and duplication of important films to be maintained in the archives of



**SMPTE in London. Display arranged by W. De Lane Lea, UK Membership Chairman, at the TV Mail World Awards Exhibition.**

the Hollywood Motion Picture and Television Museum will be greatly facilitated by a grant of raw stock and laboratory work contributed by Eastman Kodak Co. and Consolidate Film Industries, according to a recent announcement. Sidney Solow, Vice-President of Consolidated Film Industries, has reported an agreement with the Museum of Modern Art, New York, whereby films from the New York museum's film library will be made available to the Hollywood Museum for reprocessing and restoration. It is expected that the proffered support and cooperation will make it possible to complete much of the work of restoration and reprocessing before the opening date of the Hollywood Museum.

The first space camera to take motion pictures of the Earth from an altitude of more than 300 miles has been presented to the Smithsonian Institution, Washington, D.C. The camera, developed jointly by General Electric's Missile and Space Vehicle Department and the ACR Electronics Corporation, was presented by Hilliard W. Paige, General Manager of the GE Missile and Space Vehicle Dept., to Leonard Carmichael, Secretary of the Smithsonian Institution, during ceremonies held February 28 at the National Air Museum's Air and Space Building. The camera, structurally designed to afford maximum protection to the exposed film during re-entry, deceleration, water impact, and flotation was used in the Air Force Thor (No. 187) launched May 12, 1959, from Cape Canaveral, Fla. Fifteen minutes after the missile left the launching pad, and at the end of a flight of 1500 miles,

the camera was retrieved by crew members on the recovery ship. To produce successfully a photograph of the Earth from above its atmosphere the camera was constructed to withstand a force of 40,000 g's as well as exposure to undesirable light levels and immersion in the sea.

A method of teaching science in the fourth through sixth grades by motion pictures, the idea of Albert Bacz, Professor of Physics at Harvey Mudd College, Claremont, Calif., is being developed by Encyclopaedia Britannica Films, Wilmette, Ill., it has been announced by the President, Maurice B. Mitchell. A series of 15 films called the Middle Grades Physical Science Series is planned to "define basic scientific ideas in a manner not previously employed for educational films at this level. It is part of an 87-unit program of films in the field of elementary science," Mr. Mitchell stated. The films are designed so that children may be able to see demonstrations of axioms and theories that otherwise they would be required to accept on blind faith. For example, in a film on *Uniform Motion*, sports cars, rocket ships and a man fired from a cannon are used. Each film in the series ranges from 12 to 18 minutes.

A new surfacing material for projection screens has been announced by Eastman Kodak Co. The material, a film base embossed with about one million lenses, mirror or prisms per square inch and coated with a highly reflective aluminized layer, was described in a paper by Allen F. Fultz presented at the 5th Annual Technical Symposium of the Society of Photographic Instrumentation Engineers. This surfacing material is intended especially for use in military aircraft. The selectiveness of the system depends for brightness on the position of the observer, so images from separate projectors can be shown on the same screen and viewed individually by pilot and copilot from different angles.

Edgerton, Germeshausen & Grier, Inc., incorporated in 1947, made its initial public offering of common stock in July. The company has been a prime contractor to the Atomic Energy Commission since its incorporation. Its main activities have been the designing, producing and developing of electronic and nucleonic instrumentation systems.

Norelco Universal 70/35 projectors have been installed in the Mann (formerly Pan) Theatre in Minneapolis (reopened March 15 after extensive improvements), and in the North Star Drive-In, Denver, Colo. Other additions to the Minneapolis theater include a six-channel transistorized sound system and Altec-Lensing speakers installed by Northwest Sound Service. The



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Norelco projectors were installed by Fred J. Pfeiff, Technical Manager of North American Philips Co.

**Special electronic equipment for the synchronous editing of video tape** to allow fades and dissolves and other technical effects such as split screen or transition with expanding geometric patterns has been installed in the Reeves Sound Studios division of Reeves Broadcasting & Development Corp., 304 E. 44 St., New York. Air bearing heads have been installed on the Studio's eight video-tape units for increased stability of the video-tape picture.

In a separate announcement Reeves reported purchase of Station WHTN-TV, Huntington-Charleston, W.Va., from

Cowles Magazines and Broadcasting, Inc. This is the firm's third recently acquired TV station. The other two are stations WUSN-TV, Charleston, S.C.; and KBAK-TV Bakersfield, Calif.

**An Educational Technology and Products Project** has been established by General Electric Co. to study and develop commercial activity in this field. Head of the project is Robert G. Frick. The project will be carried on in Syracuse within GE's Technical Products Operation Staff members include Robert W. Beckwith, Manager of Engineering; William C. Schwarzbeek, in charge of consultant-learning research; and George K. Mangild and Eugene L. Re, in charge of marketing research. Related

studies include teaching machines, language and learning laboratories, school communication systems, educational business machines, educational TV and radio equipment, and program materials and advisory services.

**Conferences sponsored by the Industrial Relations Center of the California Institute of Technology, Pasadena, Calif.** are: Supervision of Engineers, and Psychology for Management, each scheduled for June 18-23; and Development of Interviewing Skills, scheduled for June 25-30. The conference on Supervision of Engineers will be repeated June 25-30. Enrollment in each conference will be limited to 22. The fee per conference is \$150.



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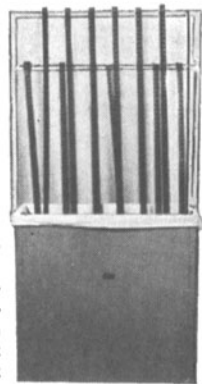


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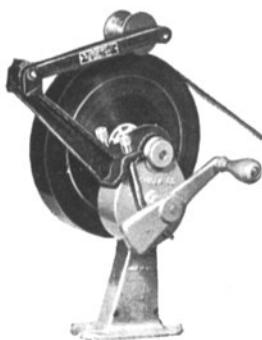


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**Frank Lewin's song cycle *Innocence and Experience***, commissioned by the Friends of Music at Yale, was given its first performance February 18 in New Haven, by soprano Helen Boatwright with a chamber ensemble conducted by Keith Wilson to honor Yale University's annual Alumni Day. *Evocation*, a symphonic work written for the Princeton Symphony on the occasion of its Tenth Anniversary was given its first performance at the orchestra's concert on March 27 under Nicholas Harsanyi. Mr. Lewin, a composer known especially for his film and theater music, is also a motion-picture sound editor. He is the author of the SMPTE publication *The Soundtrack in Nontheatrical Motion Pictures* which was first published in installments in the March, June and July 1959 *Journals*.

**A report from the American Medical Association's Film Library** shows that in 1960, 479 of the library's films were used by 282 medical societies, as compared to 258 films used by 151 societies in 1959. The library now contains 1066 prints of 254 subjects, of which 725 prints of 172 medical subjects are suitable for professional audiences, and 341 prints of 82 health films are intended for lay audiences. Ninety-six per cent of all medical schools in the United States borrowed films from the library during 1960.

**Radio Hong Kong's new VHF/FM station**, which went on the air in June, uses four Marconi 5-kw frequency modulated transmitters (Type BD321) in two parallel pairs to ensure the reliability required for unattended operation. The station, installed by Cable & Wireless Ltd. on behalf of Hong Kong Broadcasting Service, is situated at Mount Gough. The parallel pairs system was developed by Marconi's Wireless Telegraph Co. for use on remote transmitter stations, difficult of access except on foot. Two transmitters in parallel are used on each program instead of the more usual combination of a main and a lower power standby transmitter. Should one transmitter fail, the other continues to radiate the program at quarter power without the break which would occur if a standby transmitter were switched on.

At the Mount Gough station, the output of one of the two English program transmitters on 91 mc is combined with the output of one of the Chinese program transmitters on 94 mc. This combined output is then fed through a 160-ft length of 3 1/2-in.

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coaxial feeder to one-half of the aerial. Similarly the other two transmitters are combined and fed to the other half of the aerial. In this way should any one transmitter, combining unit, feeder or aerial-half develop trouble, then quarter-power radiation is continued without interruption. The aerial is a Marconi quadrant supported by a 135-ft tower. The transmitters are switched on by clocks half an hour before the start of the programs. Two clocks are used on each program so that the failure of one clock does not affect operation. A line to the studio indicates normal operation of the transmitter.

**Ampex Professional Products Co.** has been reorganized to provide separate manufacturing, research and development and marketing organizations for video and audio products. The audio division has been consolidated with Ampex Audio Co., Sunnyvale, Calif. Administration will be

under the supervision of Herbert L. Brown, Manager of Ampex Audio, and a Vice-President of Ampex Corp. The video products division has been formed into a new organization called Ampex Video Products Co. Manager of the new company is L. E. Good, former Manager of Ampex Professional Products Co.

**The American Microwave Division** of Missile Systems Corp., North Hollywood, and the Vicon Division of Insul-8-Corp., San Carlos, Calif., have been combined to form a separate company called the American Microwave and Television Corp., with headquarters in San Carlos. The new firm will specialize in the construction and installation of closed-circuit systems and microwave electronic data transmission systems. President of the new company is F. Dan Meadows.

**Precision optical etching** on lenses and

glass is a specialty of E. Youngling, 24 Collins Rd., Glen Cove, L.I., N.Y. Mr. Youngling invites inquiries as to the availability of reticles, viewfinders, scales and optics for any purpose.

**Gold Medal Studios**, opened in 1956 on the site of the historic Biograph Studio, at 807 E. 175 St., New York 60, is said to be the largest motion-picture studio on the East Coast. The Studio recently announced creation of a subsidiary called Gold Medal Enterprises for the purpose of producing feature films, shorts, and television series. President of the new organization is Martin H. Poll.

**A plan under which special-body trucks** used in the motion-picture industry can be leased without maintenance for no less than four or more than eight years has been announced by the Truck Dept., Wheels, Inc., 6200 North Western Ave., Chicago 45. Under this plan, Wheels' engineers will engineer the bodies and chassis to the user's specifications and will deliver the trucks to points specified by the user. The plan is limited to companies with a new worth of \$1 million or more and a record of profitable operations.

**Ira R. Kohlman** has been named Manager of Technical Services and Color Photography for LogEtronics Inc., Alexandria, Va. In this post he will be responsible for customer relations and training programs for the use of LogEtronic equipment and he will also have marketing responsibility for the application of LogEtronic equipment for color photography. Mr. Kohlman was formerly Plant Manager for Colorfax Laboratories, Silver Spring, Md. He has also held the post of Quality Control Supervisor for Pavelle Color Laboratories in New York.

**Louis L. Pourciau** has been appointed to the newly created position of Head of the Industrial Products Department of the Engineering Division, GPL Division, of General Precision, Inc., 63 Bedford Rd., Pleasantville, N.Y. In this position he will be responsible for television, motion-picture and medical electronic products. Two other appointments announced by GPL were those of John C. Forrest as Director and Frank N. Gillette as Associate Director of the Engineering Division. Mr. Forrest has been with GPL since 1955 and prior to his present post was Chief Engineer for Radar and Special Products. Dr. Gillette was formerly Chief Engineer for Industrial Products. He was among the original group of scientists who joined GPL in 1946. Mr. Pourciau has also been with GPL since 1946.

**Henry C. Yutzy** has been elected Vice-President of the Eastman Kodak Co. Formerly an Assistant Director of the Kodak Research Laboratories, he will now be a member of the company's general management and will be concerned with the general planning and coordination of the development of new and improved photographic products and related systems. He will maintain liaison in these areas between the general management of the company and its various units that conduct

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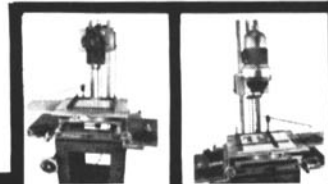
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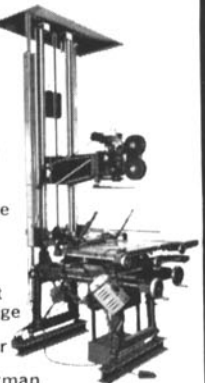
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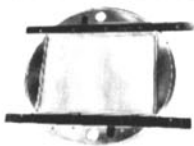
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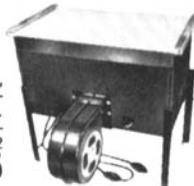


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photographic development programs in the United States and foreign countries. He became associated with the Kodak Research Laboratories as research chemist in 1936. He was appointed Assistant Director of the Laboratories in 1955.

**Seven new appointments** have been announced by Kodak Research Laboratories. John A. Leermakers has been appointed Associate Director. He has been Assistant Director since 1947. Rudolph E. Damschroder and Wesley T. Hanson, Jr., have been appointed Assistant Directors. Robert E. Stauffer has been appointed Head of the Emulsion Research Division, succeeding Dr. Damschroder. Douglas E. Piper has been appointed Associate Division Head in Emulsion Research. Paul W. Vittum has been named Head of the Color Division, succeeding Dr. Hanson. Arnold Weissberger has been named Associate Division Head.

**Skipwith W. Athey** has announced establishment of services as Engineering Consultant in the fields of optical and motion-picture and television analysis; visual, aural and recording systems; and technology for the theater arts. His address is Box 11,372, Station A, Palo Alto, Calif.

**Harold Schroeder** has been appointed head of Bausch & Lomb's newly created Optical Coating Process Department. Mr. Schroeder has been with the firm since 1943 and has recently specialized in research on vacuum coating techniques.

**Robert Pell** has been appointed Sales Manager of Byron Motion Pictures, Inc., Washington, D.C., where he will develop and direct an expanded national sales program. Prior to his present appointment he was an account supervisor with Music Makers, Inc., New York.

**Jack West** has been appointed Manager of General Film Laboratories Central Division, Kansas City, Mo., succeeding Neal Kechn, who has been appointed Vice-President in charge of sales, and transferred to the home office in Hollywood where he will coordinate and supervise sales activities. In his new post, Mr. West will be in charge of the firm's sales and services to motion-picture producers East of the Rockies. Prior to his present appointment he was Producer Services Manager for the Central Division.

**Encyclopaedia Britannica Films Inc.**, 1150 Wilmette Ave., Wilmette, Ill., has announced the formation of three new departments for distribution of specific types of material. TEMAC is a new division to handle the distribution of Programmed Learning Materials in high school and college mathematics and modern foreign languages. Raymond Kroggel, Vice-President, is Director of the new division. Head of the EBF Film Division is Ralph Wagner. Films Inc. is a subsidiary that handles rentals of 16mm entertainment films. Director of Distribution is Michael R. Nuzzola.

**The Joint Council on Educational Television (JCET)** has changed its name to the Joint Council on Educational Broadcasting (JCEB) to reflect the organization's broadened interests in the educational use of both TV and radio. Cyril M. Braun, former Engineering Consultant to JCET has been appointed Engineering Consultant to the newly named organization, with headquarters at the National Educational Television and Radio Center, 1785 Massachusetts Ave., N.W., Washington 6, D.C. Secretary of the expanded organization and Director of the Center is David C. Stewart.

**George F. Houlroyd** has been elected Vice-President of Manufacturing of Foto-Video Electronics, Inc., 36 Commerce Rd., N.J. He has been with the firm since 1959 in the capacity of Plant Manager. He has been active in the electronics equipment industry since 1927 when he joined the staff of Hardwick-Hindle, Inc., as foreman of resistor manufacturing.

**Two new appointments** have been announced by On Film, Inc., Princeton, N.J. Norton T. Gretzler has been appointed Television Commercial Coordinator and Joseph A. Fiorelli has joined the staff as Producer. Mr. Gretzler has a background of advertising agency experience combined with television production. Mr. Fiorelli has had a wide background in art and art education and has been writer, producer and editor of two educational films.

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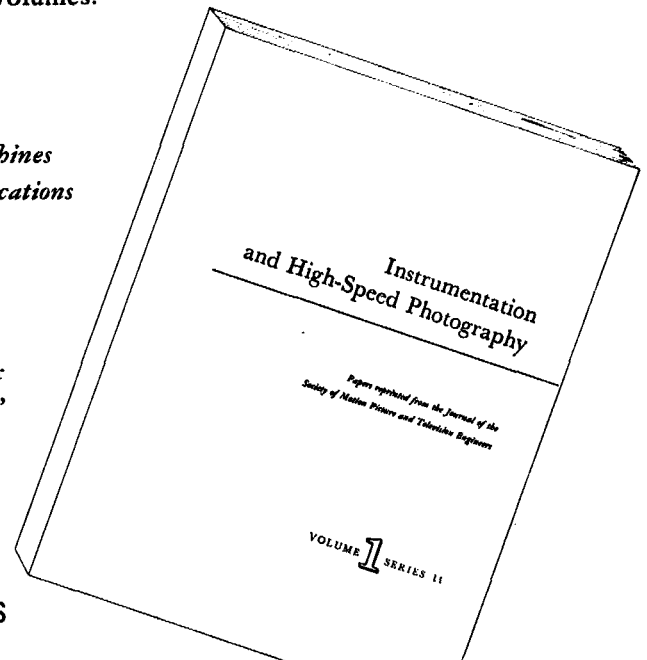
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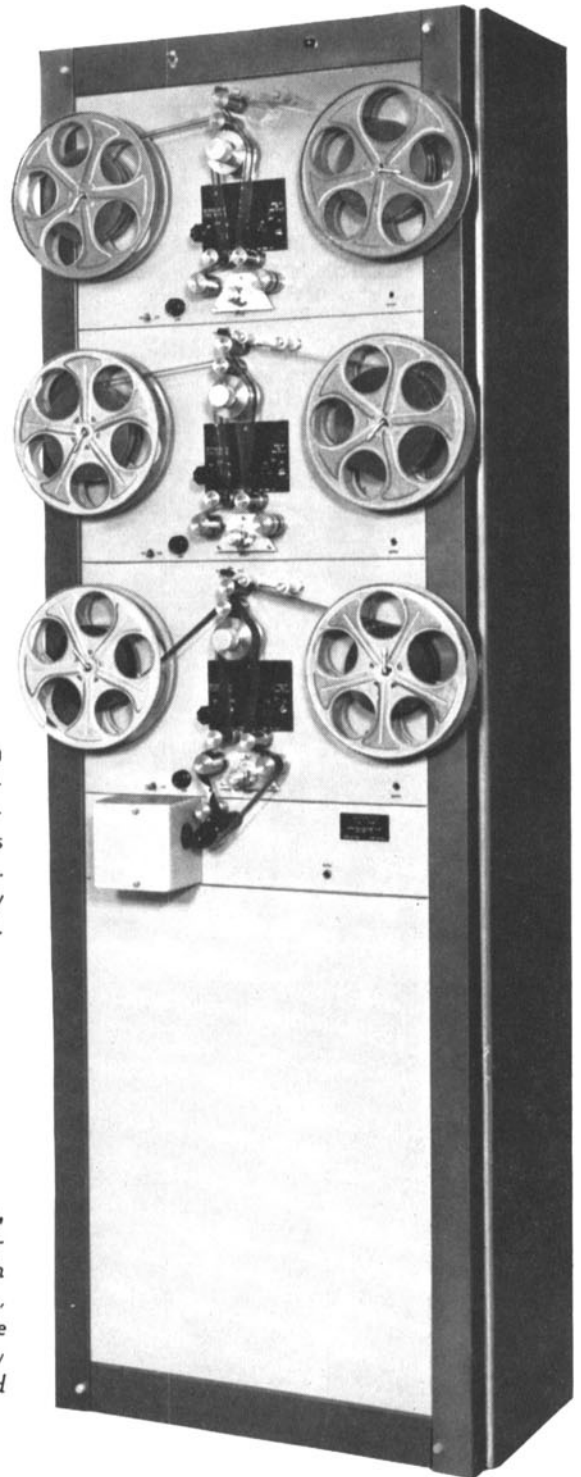
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MD447	17½mm	45	MR447 MAGNETIC RECORD		
MD437	COMB. 17½/35mm	DUAL 45/90	MR437 MAGNETIC RECORD	OD435 OPTICAL DUBBER	OR435 OPTICAL RECORD
MD427	17½mm	DUAL 45/90	MR427 MAGNETIC RECORD		
MD497	COMB. 17½/35mm	90	MR437 MAGNETIC RECORD	OD435 OPTICAL DUBBER	OR435 OPTICAL RECORD
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