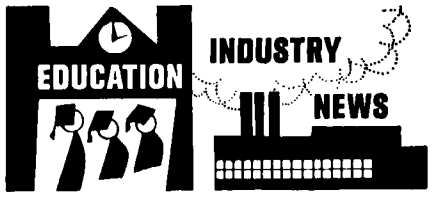


Studio City, Inc., a $5 million 65-acre complex at NE 151 St and 19th Ave., North Miami, Fla., opened February 5. Facilities include 30 acres of sound stages, processing laboratories, set construction buildings and commercial stages. There are two stages each covering 10,000 sq ft, another stage with a wet pit for water shots and smaller stages used for television commercials and small-scene shooting. Each stage has rear-projection facilities, its own executive offices, dressing and make-up rooms, bathrooms, camera and projection rooms. Studio City has its own truck trailers and other mobile equipment for shooting on location, plus comprehensive wardrobe and construction shots.

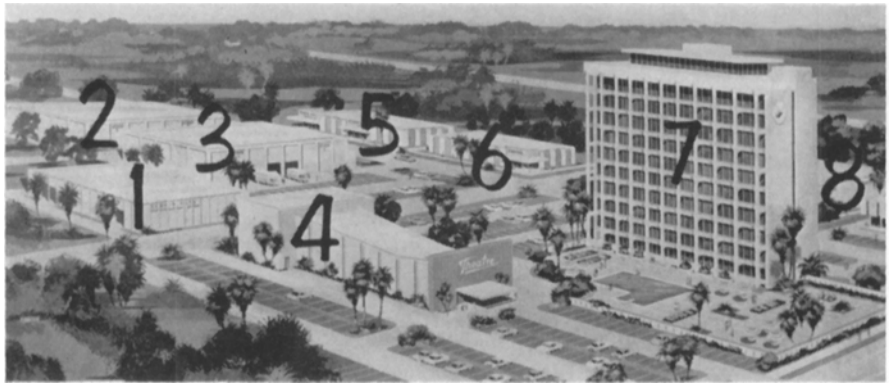
Capital Film Laboratories, 470 E. St., S.W., Washington, D.C. 20024, will maintain a plant at Studio City to provide a number of film services, including overnight processing of 35mm color film — the first time such a service has been available south of Washington, D.C. The firm's Washington, D.C., facilities will continue to handle all allied film services, including complete editorial, sound and laboratory services for 16mm and 35mm in color and black-and-white.

Three producers now have their headquarters at Studio City: Video Productions, Inc., William Van Praag, and Colodzin Productions, Inc. All three have New York offices and facilities. Video and Van Praag also produce in Hollywood.

Shown below are the eight units that presently (and in the near future) comprise the complex: (1) Construction and stage properties; (2) and (3) sound stages; (4) an 800-seat theater; (5) executive offices; (6) Captial Film Laboratories; (7) a 100-room hotel; and (8) small scene stages, special effects, animation, title, optical, editing and dubbing departments.

Additions to be made in the near future include a 100-room hotel and restaurant; a swimming pool with a glass wall; a tunnel for process work; four more stages, each 80 by 125 ft; and 800-seat theater for live and taped television; animation, special effects, title and optical departments; and complete dubbing, editing and interlock screening facilities.

Studio City' Director of Operations is Sam Segal. Other officers are Vice-President Ray Brady and Secretary Harry Le Vous.



A contract between F&B/CECO, Inc., and Studio City in Miami calls for $1 million in studio equipment to be supplied Studio City to provide enough cameras, lights, generators, etc., for any type of film production ranging from multimillion dollar features to television commercials in black-and-white and color. The Miami tie-up is part of an overall expansion move outside the New York area, according to Arthur Florman, President of F&B/CECO. Mr. Florman stated, "New York has shown a decline in film production during the past year... more and more film productions are being made all over the United States, for example, in Atlanta, Ga., Houston, Tex., and Phoenix, Ariz., to name a few locations. Many of these are being done by New York-based producers... For that reason, we are diverting a major portion of our equipment and opening new locations throughout the country." F&B/CECO headquarters are at 315 W. 43 St., New York, N.Y. 10036. The firm maintains facilities at Hollywood, Washington, D.C., Atlanta and New Orleans. Plans are underway for the establishment of operations in Cleveland and San Francisco.

A 15-week course in Motion Picture Production for Business and Industry is being conducted at the University of Southern California, Department of Cinema. The course was established through cooperation with the Society's Education Committee and the Industry Film Producers Assn., it was announced by Department Chairman Bernard Kantor.

Classes began February 9 and will meet weekly thereafter from 7:15 to 10:15 p.m. Designed to meet the needs of business and industrial managers, as well as those in motion picture, television, advertising and film-related fields, the course is intended to provide a comprehensive understanding of motion-picture production techniques with the emphasis on those techniques of special interest to business and industry. Problems related to the production of "in-plant" motion pictures will be discussed in depth with attention given to how such a film differs both creatively and technically from a film contracted to a major producer.

Course content was planned to include sessions on pre-production planning, script writing, budgeting and production planning, directing and casting, legal aspects, lighting and photography, sound recording, editing, music and sound effects, animation and titles, stock footage, optical effects and laboratory services, distribution, organization and management of the industrial film unit, and trends in the developing technology.

Among the instructors are: Jarvis Couillard, writer-director and research associate, USC Department of Cinema; Charles Cahill, President of Charles Cahill and Associates, Inc.; Roy L. Deets and Michael Halperin, writer-directors for the Space and Information Div., North American Aviation; Arthur M. Eyanson, head film librarian for Warner Brothers; Sam Fransworth, an independent production manager; Jeb Gohlson, director-cameraman; Richard G. Harber, production associate, USC Department of Cinema; Herbert Klynn, President of Format Productions, Inc.; Jack Meakin, composer-music director; Charles A. Palmer, President of Parthenon Pictures; O. E. Patterson, Consultant to Douglas Aircraft Co.; Robert Scott, Assistant Director, Government Relations; Aerospace Corp.; and Melvin Shapiro, a film editor.

The University of Southern California has established a School of Performing Arts which will combine its present School of Music and the Departments of Cinema and Drama. The School of Performing Arts will occupy a $4.5 million Center which will be built on the USC campus. The Center will contain a 750-seat auditorium-theater, classrooms, practice rooms, scenery shops, film laboratories and offices.

Dr. Raymond Kendall, Dean of USC's School of Music will head the new School of Performing Arts as its Dean. Dr. Bernard Kantor, present Chairman of the Department of Cinema, will be the Associate Dean of the new School and Dr. James Butler, present Chairman of the Department of Drama, will head a new and expanded Division of Drama.

Students in Music, Drama and Cinema presently earn the degree of Bachelor of Arts through the College of Letters, Arts and Sciences and the Master of Arts and Ph.D. degrees through the Graduate School. The School of Music will continue to offer the degrees of Bachelor of Music, Master of Music, and Doctor of Musical Arts. In the new School, both Drama and Cinema will offer graduate programs leading to the degree of Master of Fine Arts.

The USC Department of Cinema, believed to be the oldest and largest in the United States, has an enrollment of about 200, more than half of them working at the graduate level.

The Society of Photographic Scientists and Engineers (SPSE) will sponsor a two-day teaching Seminar on Photographic Systems for Engineers May 11-12 at the Hilton Hotel in San Francisco. The seminar is designed for nonphotographic engineers and senior technicians who have occasion to use photooptics. Emphasis will be on photographic processes and techniques and their application on measuring, data collection and information storage methods. Ten separate one-hour lectures will be presented with appropriate times for questions and answers. Titles of lectures are: Introduction to Photographic Systems; Photographic

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The SPSE Connecticut Chapter will meet for the first time on March 21 at the Norwalk State Technical Institute in Norwalk, Conn. The second meeting will be held April 11 at the same place. At the March 11 meeting, C.S. McCamy, Director of Photographic Research, National Bureau of Standards, Washington, D.C., will speak on "Densitometry." Subject of the second meeting will be "Photochromics and Applications of Photochromics." Speakers will be George Dorion and Alwyn Wiebe, American Cynamid, Stamford, Conn. Further information is available from: Ephraim D. Tobin, 80 County St., Apt. 9J, Norwalk, Conn. 06852

Stuart Held of Glen Cove, L.I., N.Y., has been appointed Conference Exhibits Chairman for the Society of Photographic Scientists and Engineers, 1330 Massachusetts Ave., N.W., Washington, D.C. 20005. His new responsibility commences with the 1966 SPSE Conference to be held May 9–13 in San Francisco. Mr. Held has been with Ehrenreich Photo-Optical Industries, Garden City, L.I., N.Y. for more than six years and is currently General Sales Manager of the firm's Photographic Technical Products Div.

Morton Sultanoff, research physicist and internationally recognized expert in the field of high-speed photography, will be guest lecturer at the March 10, 1966, joint meeting of the Society's Rochester Section and the Rochester Chapter of the SPSE. Mr. Sultanoff will speak on "Submicrosecond Photoinstrumentation in Explosive Studies."

Also on the program will be another presentation in the popular series of the Visual Encyclopedia. Frank Grum, Research Associate of the Eastman Kodak Research Laboratories, will present "Spectrophotometry I," first of a two-part audio-visual series.

Mr. Sultanoff, who is employed at the Ballistic Research Laboratories, Aberdeen Proving Ground, Md., has won many awards for his contributions to science and the application of high-speed photoinstrumentation in physical research. Among these awards are the Du Pont Gold Medal, the Robert Gordon Memorial Award, the Society's Journal Award and the SPIE award for an outstanding paper. Mr. Sultanoff is a Fellow of this Society and of the SPIE.—J. E. Brown, Rochester Chapter, SPSE, Eastman Kodak Co., 345 State St., Rochester, N.Y. 14650.

A seminar on Techniques in High-Speed Photography will be held July 25–29 at the Massachusetts Institute of Technology. The emphasis will be on the scientific and engineering uses of high-speed photographic measurement techniques. Meetings will center at the Stroboscopic Light Laboratory where the theory and application of numerous methods will be explored. It is planned to devote mornings to theory and demonstrations and the afternoons to laboratory practice. Subjects to be covered include pulsed stroboscopic lighting, optical high-speed cameras, Kerr cells, Faraday shutters, image converters, etc. Specialists in high-speed photography have been invited to discuss their subjects at the seminar, and there will be practical laboratory demonstrations of many types of high-speed photographic equipment. Further information is available from: Office of the Summer Session, M.I.T., Room E19-356, Cambridge, Mass. 02139.

A conference on Biomedical Communication: Problems and Resources will be held April 4–6 at the Waldorf-Astoria Hotel in New York. Sponsors will be New York Academy of Sciences and the Public Health Service Audioviscual Facility. The program will emphasize resouces available for solving communication problems arising from the shortage of faculty and from the growing body of biomedical knowledge and curriculum content which is expanding at an unprecedented rate.

Sessions will include one on motion pictures and one on television. Papers of special interest will include "Use of Motion Pictures in Testing," by Dr. Edithe Levit; "Use of Motion Pictures in Teaching and Diagnosis," by Dr. Basil I. Hirschowitz; "Use of Motion Pictures in Rehabilitation," by Dr. Tom Anderson; "Multi-Purpose Television," by Mrs. Reba Ann Benschoter; "Television in Continuing Education," by Dr. George J. Robertson; and "Educating the Public: A Multi-Media Approach," by Dr. John Beeston.

Additional information is available from the Conference Chairman, Dr. James Lieberman, Director, Public Health Service Audiovisual Facility, Communicable Disease Center Atlanta, Ga. 30333.

Geometric Optics: Engineering Criteria for Range and Tracking Applications will be the subject of a Seminar-in-Depth to be held March 7–8 at El Paso, Tex. The seminar is co-sponsored by the SPIE White Sands Chapter and the U.S. Army White Sands Missile Range. The keynote speech will be delivered by W. Lewis Hyde, Consultant to American Optical Co., and Director, Institute of Optics, University of Rochester. Thirteen papers will be presented in addition to the keynote speech and the opening address by Major General J. M. Cone. A panel discussion and summary will be conducted by Dr. Hyde, Robert E. Hopkins, N. S. Kapany, Seymour Rosin, Hal Shoppach, and William Pabst, Jr. Mr. Pabst is Chairman of the Seminar-in-Depth Program Committee. SPIE National Offices are at 205 Ave. I, P.O. Box 288, Redondo Beach, Calif. 90277.

Photo-Imaging Materials for Science and Industry will be the subject of a two-day seminar to be held March 24–25 at the Hotel Plaza in New York under the auspices of the SPSE New York Chapter. An intensive survey of recent discoveries and advances in photo-imaging materials will be conducted by some 20 experts in the field. Among the speakers will be Prof. Lloyd Varden, of Columbia University, who will speak on "Films and Papers for Color Photography"; Rev. F. J. Heyden, of Georgetown University Observatory, who will speak on "Films and Plates for Astronomical Photography"; Dr. Walter Clark, of Eastman Kodak Co., who will speak on "Films for Ultraviolet and Infrared Photography"; and other well-known authorities.

Program Chairman is Jaromir Kosar of Ulano Companies. Information about SPSE New York Chapter activities is available from Mr. Thomas T. Kashiwabara, P.O. Box 678, Church St. Sta., New York, N.Y. 10008. SPSE Headquarters are at Thomas House, 1330 Massachusetts Ave. N.W., Washington, D.C. 20005.

The Society of Photooptical Instrumentation Engineers (National Offices 205 Ave. I, P.O. Box 288, Redondo Beach, Calif. 90277) has announced a Seminar-in-Depth on "The Human in the Photooptical System" to be held April 25–26 in New York. The seminar will be sponsored by the U.S. Army (Gimrada) and the SPIE Photooptical Sciences Institute. (The Institute is a nonprofit educational organization incorporated in California.) Chairman of the Program Committee is R. L. Minter. Papers will cover such general topics as Visual Requirements in Photooptical Systems; Methods of Visual Presentation; Methods of Visual Enhancement; Physiological Correlates of Vision; and Human Decision Making From Image Presentations.

Western Radio and Television Association (WRTA) has announced that, through a recently negotiated arragement with the National Center for School and College Television at Bloomington, Ind., it now has a full-time staff and a permanent office location at 633 Battery St., San Francisco, Calif. 94111. The organization issues a newsletter from its new headquarters, the *WRTA/ITV Telememo*, the purpose of which is to keep members and interested persons informed of the instructional use of television throughout the nation as well as within the 12 Western States composing the WRTA region.

Western Radio and Television Association (WRTA) held its 19th Annual Conference February 2–4 in San Francisco. Theme of the conference was Broadcast Communications: Where Have We Been—Where Are We Going? Sessions included discussion of national and regional educational and instructional television, foreign broadcasting, government support of educational television, new technical developments, space communication, and uhf broadcasting. The conference also featured an exhibit of television and radio equipment and services. WRTA headquarters are at 633 Battery St., Suite 654, San Francisco, Calif. 94111.

The IEEE has elevated 125 of its members to the grade of Fellow, according to a recent announcement. The election became effective January 1 and recognition of the awards will be made at the Annual Banquet to be held March 23 during the IEEE International Convention in New York. The grade of Fellow is the highest in the 150,000-member organization and is conferred only upon persons of outstanding and extraordinary qualifications in their particular fields. Newly elected IEEE Fellows who are

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also members of this Society include S. M. Y. Amer, B. S. Angwin and F. J. Bias.

The latest research work in silver halide photography was discussed in a group of paper presented at the Congress International de Science Photographique held last fall (Sept 27–Oct. 2) in Paris. Papers included "The Oxidation of Pyrazolidone Developing Agents," by William Lee and D. W. Miller, to appear in a forthcoming issue of Photographic Science and Engineering (Box 1609, Main Post Office, Washington, D.C. 20013); "The Mechanism of Electronic Trapping in Silver Bromide in Photography Grains," by L. E. Brady and John F. Hamilton, to appear in *Journal of Applied Physics;* and "Lifetime and Drift-mobility of Holes and AgBr," by Richard K. Ahrenkiel and Roger S. Van Heyningen, to appear in *Physical Review*. Other papers presented at the congress included a discussion of optical absorption and luminescent emission in mixed silver halide crystals by Frank Moser and a report by E. C. Doerner on the use of a power spectrum for studying the granularity of photographic systems.

The second ASEE-NASA Summer Faculty Fellowship Program sponsored by NASA Manned Spacecreaft Center and University of Houston, joined by Texas A&M University, will be held June 13–August 19 at the University of Houston and Manned Spacecraft Center, Houston, Tex. 180 Fellowships will be awarded to qualified applicants including instructors, professors or research staff members of colleges or universities. Objectives of the program are to further the professional knowledge of qualified engineering and science teachers; to stimulate an exchange of ideas between participants and NASA; and to enrich and refresh the research and teaching activities of participant institutions.

The 16th National Conference on Standards was held February 14–16 in San Francisco. The conference was sponsored by the American Standards Association, 10 East 40 St., New York, N.Y. 10016. Sessions included reports and discussions on certain standardization programs including Process Pump Standardization; Nuclear Power Plants; Standardization and Management —Mutual Benefits; New Concepts in Basic Standards; Space Age Standards; Biomedical Standards; New Frontiers in Testing of Structures. The conference was concluded by a talk on Standards and Research for Building—A World View by R. F. Legget. Mr. Leggett is the Director of Building Research of the National Research Council of Canada. Conference Chairman was J. T. Thompson of the FMC Corp., Central Engineering Laboratories, Santa Clara, Calif.

The Fifth Annual Independent Film-Makers Festival will be held June 18–19 at Foothill College, Los Altos Hills, Calif. Purpose of the Festival is to encourage individual expression and experimentation in the visual, technical and esthetic aspects of film-making. Cash prizes will be awarded. Further information is available from: Stuart Roe, Mass Communications Division, Foothill College, Los Altos Hills, Calif.

The fourth Ann Arbor Film Festival will be held March 9–13 at Ann Arbor, Mich. Films that evidence a high regard for the film as a creative medium will compete for cash prizes. All prints must be 16mm, but otherwise there are no limitations as to length, subject matter, type of soundtrack, year of production, country of origin or original gage. The only stipulation is that no film can be entered that was shown at any previous Ann Arbor festival. Works in progress may be entered. Further information is available from George Manupelli, Box 283, Ann Arbor, Mich.

Will Szabo Associates, 121 Wellington Ave., New Rochelle, N.Y. 10804, is a new firm formed by Will Szabo to provide architects and designers with professional consulting services relating to all phases of motion-picture and audio-visual presentations. Services include a complete audio-visual "package" including consulting, system design and custom equipment. Mr. Szabo was formerly Vice-President of Professional Systems and Services at Reevesound, Inc.

Ed Ries, formerly Western Regional Sales Manager for the Gencom Div. of Whittaker Corp., has formed a new firm, Ed Ries and Associates, 5864 Bowcroft Ave., Los Angeles, Calif. 90016, to specialize in the acquisition and sale of broadcast television and CCTV equipment. Plans are to concentrate on the sale of "out of service' 'and "surplus" equipment obtained from manufacturers and television stations. The company will also perform equipment searches to help locate specific types of equipment. An *Equipment Availability Listing* issued monthly is available without charge to interested firms and stations.

Photo-Electro Instrumentation Co., 139-15 Coolidge Ave., Jamaica, N.Y. 11435, is a newly organized engineering-oriented sales group specializing in photographic and optical systems and components. The firm, which represents a number of well-known manufacturers offers equipments and services in the areas of photography, optical components, optical systems, optical constructor, lasers, film analysis, film processing, special film, quality control, and microminiature lenses.

Telonic Industries, Inc., 60 North First Ave., Beech Grove, Ind., has announced the opening of overseas branches in London and Frankfurt. Telonic Industries GmbH, established at 16 Holzhausenstrasse, 6 Frankfurt am Main, a wholly owned subsidiary, and Telonic Industries U.K., a division, at the "The Summit", 2 Castle Hill Terrace in Maidenhead, England, will both maintain stocks of instruments, accessories, and parts. The Frankfort subsidiary will be operated by Klaus Bartges, formerly with Sanders Elektronik, and Herman Biermann, who has left Packard Instruments to join Telonic, the announcement stated. Peter Rose will operate the English division. Mr. Rose was formerly with Hewlett Packard's subsidiary in England.

In a separate announcement, it was stated that Inelco Belgium Co. and Inelco Holland Co. have been appointed distributors for Telonic Industries in the Benelux countries of Europe. Inelco will stock, market and service Telonic products including sweep generators, attenuators, frequency indicators, detectors, wave meters, VSWR instruments, and RF and microwave filters.

Tele-Measurements, Inc., has announced a move into new quarters at 145 Main Ave., Clifton, N.J. The move came about as a result of the firm's expansion during the six years it has been in existence. The firm specializes in the design, production and installation of television equipments and systems. Among the firm's products are prerecorded video-tape lessons for classroom use; distribution amplifiers designed to permit studios to distribute TV signals to six monitors from one program source, thus conserving space and reducing power requirements; and devices called Tele-Pats and Tele-Slides. These are designed to measure television and electronic circuit performance.

Plans for the acquisition by Itek Corp., Lexington, Mass., of Pennsylvania Optical Co., Reading, Pa., have been announced jointly by Franklin A. Lindsay, President of Itek, and Charles A. Baratelli, President of Pennsylvania Optical. Pennsylvania Optical is an 80-year-old firm specializing in the mass production of precision optics, opthalmic-quality reading and sun glasses, industrial safety lenses and frames, and welding glass face-plates. Itek's major areas of operation are: optical systems and reconnaisance, commercial reproduction equipment and supplies, photooptical storage and computing and graphic data processing. Divisions of Itek are located in Palo Alto, Calif., Rochester, N.Y., and Burlington and Waltham, Mass.

Traid Corp. has announced consolidation of its Photo Instrumentation, Fotron and Artcraft divisions in a new 42,000 sq ft headquarters office building and plant in Grand Central Industrial Centre, Glendale, Calif. The Photo-Instrumentation Div. manufactures and distributes photoinstrumentation systems, cameras and accessories for defense, industrial and aerospace applications. Fotron Division manufactures a cartridge-loading electronic color camera and the Artcraft Divisions distributes paintings and other wall decorations for hotels, stores, etc.

Reeves Sound Studios, a division of Reeves Broadcasting Corp. has acquired two Norelco PC-60 Plumbicon Color Television Cameras for use in making color video tapes, according to a recent announcement. The cameras are manufactured at the Studio Equipment operation of North American Philips Co., Mount Vernon, N.Y., and are marketed by Visual Electronics Corp., 356 W. 40 St., New York, N.Y. 10018.

JEDEC (Joint Electron Device Engineering Council of America) designations have been assigned to English Electric Valve Co., according to an announcement from Visual Electronics Corp., 356 W. 40 St., New York, N.Y. 10018, suppliers of the camera tube in the United States. The JEDEC designations are 7293B, 7295C, and 7389C for the ELCON versions of the EEV patented process. The name ELCON has been derived from the properties of the target material, namely ELectronic CONducting.

Walter Clark, Technical Assistant, Office of the Director, Kodak Research Laboratories, is the recipient of the 1965 Progress Medal of the Royal Photographic Society of Great Britain. The medal established in 1878, was awarded to Dr. Clark for his "outstanding contributions to scientific research in the field of photographic chemistry and processing, graphic arts and photographic techniques, and publications and direction of team work." Dr. Clark was also made an Honorary Fellow of the Royal Photographic Society in recognition of his outstanding service in the photographic field.

Dr. Clark's scientific and technological work in photographic fields has included photographic chemistry and theory, and applied photography, including the graphic arts, aerial photography, information storage and retrieval, and tropical deterioration. He is the author of *Photography by Infrared* and of a biography of Dr. C. E. K. Mees published in the Biographical Memoirs of the Royal Society in London. He has also published more than 150 papers related to his fields of interest.

He is a Fellow of this Society and a member of the SPSE, the PSA, the American Society of Photogrammetry and the Scientific Research Association of America.

David L. MacAdam, a senior research associate in Kodak Research Laboratories, Rochester, N.Y., has developed a series of color formulas that can be programed on computing equipment to speed the verification of color matching. Instead of using color charts and color cards for matching colors, the new system uses numbers based on spectrophotometric measurements of colors recognized as standards. Dr. MacAdam's formulas, which utilize these measurements, express color differences and tolerances. For example, measurements for new batches of paint are run through a computer that indicates whether the match is a correct one. The new system is expected to have application in such fields as color photography, printing, the manufacture of paints, dyes, and fabrics, and other areas where precise color rendition is important.

Two patents for rear-screen sound-photo projection systems based on inventions of Raymond G. Hennessy will shortly be issued by the United States Patent Office, according to an announcement from Fairchild Camera and Instrument Corp., 300 Robbins Lane, Syosset, L.I., N.Y. 11791. Mr. Hennessy is Manager of the firm's Industrial Products Div. The patents cover a film transport apparatus and cassette, both for sound and picture reproduction systems. The inventions are presently being used in the design of Fairchild's Mark IV and Mark V 8mm automatic continuous sound projectors to be used with the MoviePak film cartridge. The projectors feature no film threading, no rewinding, and a two-second film change.

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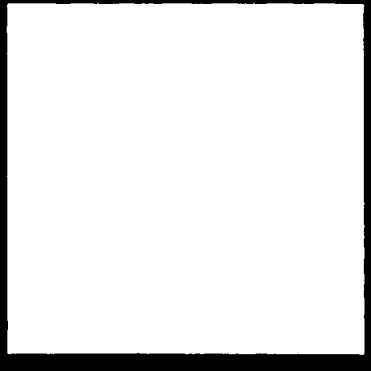

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gram of the Council on International Nontheatrical Events (CINE) held during November in Washington, D.C. Thirteen CINE Eagles were awarded to amateur films, 11 of which were made by teenagers. A total of 500 films was reviewed by 241 CINE jurors to select those eligible to represent the United States at foreign film festivals. During the same program 20 top international prizes were presented by foreign diplomats.

Typical of films thus honored are *Molecular Spectroscopy*, produced by Reid H. Ray Film Industries for CHEM Study, Harvey Mudd College, which received the Bronze Medallion and Scroll, the first prize at the Brussels Science Festival; *The Searching Eye*, made by Saul Bass for the Eastman Kodak Company's New York World's Fair pavilion, which was awarded the Diploma of Merit at Edinburgh, plus two Italian Prizes, the Lion of St. Mark, first prize from the Venice Children's Festival and the Golden Gondola from the International Committee for Educational and Cultural Films; *The Sea*, by Michael Birch for Encyclopaedia Britannica Films, Wilmette, Ill., which won the Minister's Silver Cup at the Milan Maritime Festival and the Plaque and Special Jury prize at Vicenza, Italy; *Zero Zero Romeo*, by Olaf Söðt of Yonkers, N.Y. which won the Silver Wing at Vichy, France, Second World Festival on Aviation and Space Films. There were other equally distinguished films on various subjects.

A 15-min color film showing the design and operating features of various available models of the Hycam High-Speed Rotating-Prism Motion-Picture Camera has been produced by Red Lake Laboratories. Requests for film bookings should be addressed to Donald J. Southard, Sales Manager, Red Lake Laboratories, 2971 Corvin Drive, Kifer Industrial Park, Santa Clara, Calif. 95051. In addition to showing details of the equipment the presentation includes several sequences made with the Hycam camera showing reduced-speed action of various mechanisms, combustion activities, and the superpositioning of oscilloscope traces on physical pictures of electrical mechanisms.

Life Island Hospital Isolation Systems is an 8-min 16mm sound film, produced by Matthews Research, Ins., 4306 Wheeler Ave., Alexandria, Va. 22304, which shows how to maintain a contented hospital patient for months without direct physical contact with the hospital staff. It portrays the various uses of the isolator and shows medical and patient care procedures. The firm, established in 1961, develops and manufactures isolation systems for use in medicine, industry and science.

Television in Education is a 27½-min documentary motion picture in color produced by Partheonon Pictures, 2625 Temple St., Hollywood, Calif. 90026, for the Bell System. The film is also available in a 17½-min version for general audiences. The longer version is intended especially for educators and for television showings. A 3½-min capsule version is also available for use in displays and exhibits by continuous-loop projection. The film's writer-producer, Charles Palmer, and the researcher, Courtney Anderson traveled more than 10,000

miles in 12 states from South Carolina to California gathering material for the film. More than a half-million words of printed and typed material were read and annotated and some 200 hours of video taped and filmed telelesson material were screened. The original script ran to 3 hours and 40 minutes and a great deal of skilled editing was required to reduce its final length.

Etcetera is a new 16mm experimental art film that combines abstract drawings with African drum music. The drawings are by Jesse Reichek and the film is the work of the award-winning Parisian film-makers, Yona Friedman and Denise Charvein. The film, which is in black-and-white and only seven minutes long, has been highly praised as achieving remarkable range and power through bold variations in visual imagery and musical tempo. The film is available for purchase or rental from the University of California Extension Media Center, 223 Fulton St., Berkeley, Calif. 94720.

An ultraviolet astronomy spectrography to be carried into space via high-altitude rocket probe is being built by Perkin-Elmer Corp., Norwalk, Conn., for the Kitt Peak National Observatory, Tucson, Ariz., according to terms of a $99,000 contract. The gyro-stabilized dual spectrograph will obtain photographic spectra of stars in the ultraviolet light region of 1,200 to 3,000 Angstroms. The instrument will be launched on an Aerobee 150 rocket using a stabilized platform that will limit the motion of the spectrograph about one axis to ±15 arc seconds while the rocket attitude control system maintains course control to ±15 arc minutes. The rocket launch permits 4 to 5 minutes of observing time above the regions of the earth's atmosphere that absorb ultraviolet radiation. At the end of the flight, the instrument payload will be lowered to the ground by parachute for recovery of the instrument and its photographic data.

An annotated bibliography on composite materials and structures is being prepared by a Composite Materials Advisory Committee under the auspices of the Engineering Foundation, United Engineering Center, 345 E. 47 St., New York, N.Y. 10017. The committee was established in 1962 to coordinate activities in the composite materials field. In addition to covering composite materials and structures, the Handbook will cover many fields including heating, ventilation and air-conditioning; nuclear engineering; packaging and cargo containers; electronic components; and special composite components for acoustical, electrical and/or optical applications. The Handbook will be geared to an information retrieval system. The system to be used is that of the planned Engineering Information System and Center at the United Engineering Center.

Editor-in-chief for the project is Bryan R. Noton, Technical Director, Materials and Advanced Structures Divisions, Whittaker Corp., 801 Royal Oaks Drive, Monrovia, Calif. 91016. The Handbook will be published by Reinhold Publishing Co. and will be available in 1967.

All new patents issued by the U.S. Patent Office are now available on microfilm. The new service, made possible through cooperative arrangements of the Patent Office and the Clearinghouse for Federal Scientific and Technical Information, is expected to save thousands of dollars for subscribers, not only in the original purchase price, but in binding and storage costs. Available only by annual subscription for complete sets, the microfilm sets will be available for all patents beginning with the January 4 issue of the *Official Gazette*. About 67,000 patents are expected to be issued by the Patent Office this year. The patents will be microfilmed as they are issued and will be distributed to subscribers each week on 100-ft rolls of 16mm film. The subscription price is $830 a year ($20 additional for foreign mailing and $90 additional for foreign air mailing). According to Patent Office estimates the same patents in printed form would cost $33,500 a year. Subsriptions are available from Clearinghouse (Code 410.14), U.S. Department of Commerce, Springfield, Va. 22151.

A report on a long-range document handling plan entitled "Recommendations for National Document Handling Systems in Science and Technology" has been issued by the Federal Council for Science and Technology. The report was prepared by a task group of the Federal Council's Committee on Scientific and Technical Information (COSATI). Members of the task group are senior managers and coordinators of Federal agency information programs, assisted by a study team of the System Development Corporation. Chairman of both groups is William T. Knox of the Office of Science and Technology. The report is being reviewed by Federal organizations and groups concerned with science and technology.

The current report, concerned with document handling, covers only the first phase of a broader study undertaken by the task group. The group is now considering other information transfer systems, based more on the spoken word and focused on information needs at the frontiers of science and technology. The overall assignment to the task group is (1) to develop the conceptual framework for an improved national network of information systems in science and technology, and (2) to prepare comprehensive guidelines for planning so that the developing information activities within the Federal Government can be coordinated. The report, in three volumes, is available as PB-168,267 from Clearinghouse, U.S. Department of Commerce, Springfield, Va. 22151. It is priced at $3.50.

Studies of sunspots to enable prediction of solar flares that may affect men and satellites traveling in space will be facilitated by a special television tape recorder being built by RCA for a television process comparable to time-lapse cinematography. The studies are being conducted at the Government's Sacramento Peak Observatory in New Mexico. Announcement of the new process was made by Richard B. Dunn, senior staff member of the Observatory. RCA's TR-4, a fully transistorized unit, used for recording and playing back television programs is being adapted for this special use. The machine will tape-record pictures made by a vidicon camera connected to observation instruments on a 12-ft telescope. When the recorder is in operation, it will record, for example, two television frames every 30 sec. A replay of only 15 sec of such recording represents 112.5 min of actual observation, or a speed-up of the scene of 450 times. Mr. Dunn pointed out that solar flares are detected by a birefringent filter made up of layers of quartz, calcite or similar materials, and appear as very bright areas near sunspots, rising to brightness in a few minutes.

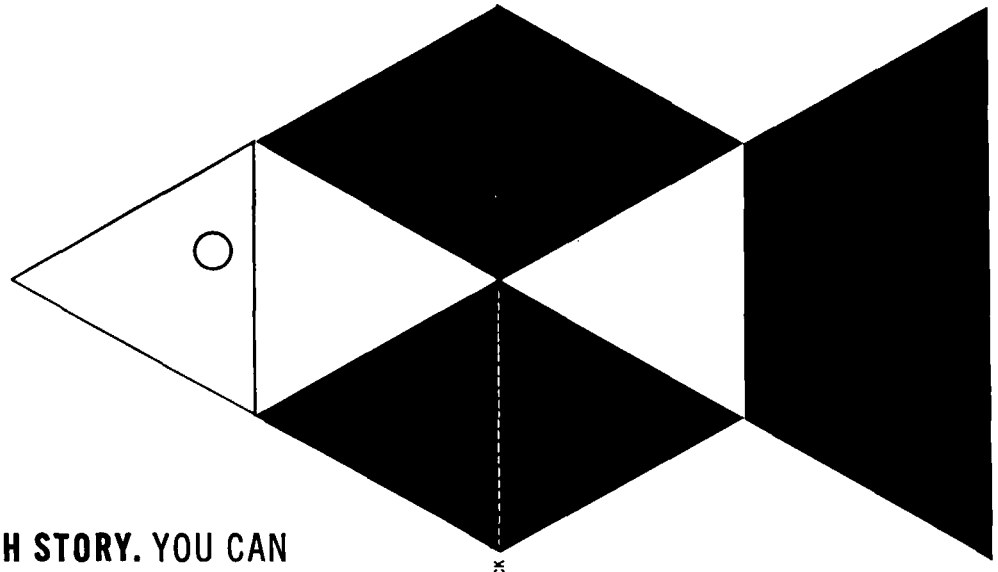
A proposal to construct two dams in New York City's East River, pumping in land fill and landlocking Manhattan with Queens and Brooklyn has been set forth by Saul Jeffee, President of Movielab Inc., 619 W. 54 St., New York, N.Y. 10019. Mr. Jeffee, whose interests in educational fields recently included establishment of a scholarship for higher education in the photographic sciences (*Journal*, p. 1032, Nov. 1965), believes if his plan is followed it will "provide the necessary acreage for housing relocation in planned slum clearance programing and contribute substantially to an industrial renaissance. Mr. Jaffee suggested that the best engineering brains, including consultants in transportation, urban planning, architectural design and landscaping be assigned to the project.

Several changes and promotions have been announced by Technicolor Corporation of America, Box 38-547, Hollywood, Calif. 90038. Thomas J. Welsh was elected Chairman of the Board and Chief Executive Officer, succeeding Patrick J. Frawley, Jr., who resigned as Chairman of the Board to become Chairman of the newly formed Finance Committee. Paul W. Fassnacht has been elected President succeeding Melvin H. Jacobs who has resigned as President and Chief Executive Officer of Technicolor and of Marshall-Burns Division in Chicago. Both Mr. Frawly and Mr. Jacobs will remain on Technicolor's Board of Directors. Mr. Welsh has been a member of the Technicolor Board since 1960 and has been Chairman of the Executive Committee since February 1965. Mr. Fassnacht was Vice-President of International Operations and General Manager of the Motion-Picture Division.

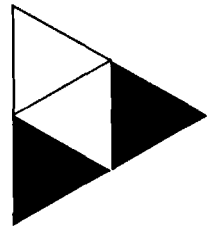
Other changes include the election of Rear Admiral William C. Chambliss, USN (Ret.) as Vice-President of Corporate Communications and a member of the Board and the promotion of Albert P. Lofquist, Jr., to Vice-President and General Manager of the Motion Picture and Television Division USA, and of Robert T. Kreiman to Vice-President and General Manager of the Commercial and Educational Division. Fred H. Detmers has been appointed Assistant to the Vice-President of Sales, Robert Riley. As part of his new duties, Mr. Detmers will handle sales contacts of non-theatrical films.

Irwin B. Freedman has been appointed Sales Manager, Professional Cine Products, Agfa-Gevaert, Inc., 275 North St., Teterboro, N.J. Prior to this appointment, Mr. Freedman was with DeLuxe Laboratories, New York, where he served as Assistant to the President of the company.

"FISH IN THE WATER"—One of a series of reverse origami using the Du Art logotype.



NO FISH STORY. YOU CAN CUT OUT OUR FISH PICTURE. YOU CAN FOLD IT. YOU WILL WIND UP WITH A DU ART LOGO. WHICH IS NO FISH STORY WHEN IT COMES TO COLOR. DU ART'S EXPANDED COLOR PROCESSING FACILITIES MEAN BETTER SERVICE. FASTER PRINTING. DU ART'S HAZELTINE INSTANTANEOUS COLOR FILM ANALYZER PREVIEWS THE COLOR FILM ON A CLOSED-CIRCUIT TELEVISION SYSTEM. ELIMINATES DELAYS OF TRIAL AND ERROR IN MAKING ANSWER PRINTS. AND SOON: EVEN MORE COLOR OUTPUT FROM DU ART. NEW 16MM EKTACHROME REVERSAL PROCESSING MACHINE AND ADDITIONAL EASTMAN COLOR PROCESSING READY JANUARY 1966. PLUS MORE NEW PRINTING MACHINES. COLOR? COME TO DU ART.



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IN CANADA: ASSOCIATED SCREEN INDUSTRIES, LTD., 2000 NORTHCLIFFE AVE., MONTREAL

Filipe Cervantes has been appointed Chief Engineer of Magnasync Corp., North Hollywood, Calif., manufacturer of sound recording and reproducing systems. His duties will include research and developmental work in the field of magnetic recording and reproducing equipment for specialized military applications. Mr. Cervantes was formerly with United Data Control of El Monte, Calif.

Robert E. Miller has been appointed Vice-President for Contract Management o Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va. Mr. Miller joined Melpar in 1954 as a Section Head in charge of the company's B-58 Data Handling Systems. In 1955 he was appointed Project Manager of B-58 Systems, including airborne reconnaissance and ground data handling systems. He was appointed Vice-President for Advanced Development in 1960 and in 1962 he was appointed Vice-President for Engineering Services.

Albert H. Chismark, Director of Engineering of WHEN-TV, Syracuse, N.Y., has been appointed to the newly created post of Director of Engineering of Meredith Broadcasting Co., 3501 Farnam St., Omaha, Nebr. 68131. He will continue at Syracuse while reporting to the president of Meredith Broadcasting at Omaha. Mr. Chismark joined WHEN-TV as station engineer in 1955 and was appointed to his present post in 1957. In addition to WHEN-TV Meredith stations include KCMO-TV in Kansas City, WOW-TV in Omaha, and KPHO-TV in Phoeniz, Ariz. Meredith Broadcasting is one of six operating divisions of Meredith Publishing Co., Des Moines, Iowa.

John S. Auld has been appointed General Manager of the North American Philips Studio Equipment Division at Mount Vernon, N.Y. Mr. Auld, who was recently General Manager of the Instrumentation Division of Fairchild Camera and Instrument Corp., has previously been in electronics manufacturing operations, research and development and marketing at the Allen B. Du Mont Laboratories.

Sam C. Gale, Jr., has been appointed Sales Manager of the new Miami laboratory of Capital Film Laboratories, Inc., 470 E St., S.W., Washington, D.C. 20024, it was announced by the President, Alfred E. Bruch. The new laboratory is located at 1998 N.E. 150 St., North Miami, Fla. Mr. Gale, who joined the company in 1963, will also continue in his present capacity as a sales executive in Washington, responsible for new business, advertising and sales promotion. He was formerly writer and director of industrial motion pictures for General Electric Missile and Armament Dept., Burlington, Vt.

Robert King has been appointed Vice-President of Traid Corp., Glendale, Calif. He will continue his responsibilities as Sales Manager of the firm's Photoinstrumentation Division, a post he has held for the last three years. Traid Corp. manufactures and distributes photoinstrumentation systems, cameras and accessories.