New Executive Secretary

Denis A. Courtney has been appointed Executive Secretary of the SMPTE, as recently announced by President G. Carleton Hunt. Courtney has been a member of the Society's New York headquarters staff since 1953 when he was appointed Assistant to the Editor of the *Journal*. Later he served as Advertising Manager and then Advertising and Conference Manager. His professional experience includes the handling of worldwide contractual arrangements and correspondence for an electronics firm. During World War II he was on the staff of a government commodities allocation board. From 1942 to 1946 he served with the United States Army where he attained the rank of Lieutenant Colonel.

Mr. Courtney was born in Simla, India, of English parents (his father was an official in the Indian Civil Service). He was educated in England and attended Cambridge University where he was granted the degrees of Bachelor of Arts and Master of Arts. He continued his studies in France at the Sorbonne and the Ecole Libre des Sciences Politiques. He moved to the United States in 1939 and became an American citizen in 1943.

His activities as a member of SMPTE headquarters staff have included attendance at every semiannual conference since 1954 and he has assisted previous Executive Secretaries in all phases of headquarters activity.

SMPTE Winter Television Conference — Call for Papers

The successful pioneering effort of the Detroit Section of the SMPTE to establish a two-day midwinter working Conference has been recognized; by action of the SMPTE Board of Governors subsequent meetings will be designated "SMPTE Winter Television Conference."

To emphasize the international stature of this Conference, it will be held in Toronto, Canada. The Conference will take place in the latter part of January 1969.

The theme of the 1969 Winter Conference will be "An Integrated Systems Approach to Color Television Broadcasting." It is expected to deal, on a systematic basis, with all of the steps between the original scene and the viewer's home receiver. The intent is not to deal with those matters that are already well known, but to consider the many very pressing technical problems facing the color broadcaster today.

Harold Wright of the Canadian Broadcasting Corp., Toronto, who has been named Program Chairman by R. S. O'Brien, SMPTE Vice-President for Television Affairs, announces a call for original papers and tutorial material in keeping with the Conference theme. A committee of experts is to be formed to assist the Program Chairman in the examination and selection of papers.

It is anticipated that the program following the pattern established in Detroit will emphasize working-level panel discussions, demonstrations and tutorial lectures. It is desired, however, to include a substantial number of original papers suitable for *Journal* publication. Suggestions as to topics which should be covered in the program will be welcomed.

Individuals who would like to participate in the program are invited to send a brief synopsis, outline or description of their paper or other proposed contribution. Communications should be addressed to:

SMPTE Winter TV Conference
2nd Floor
9 East 41st St., New York, N.Y. 10017

Synopses will be attended to in the same fashion and prospective manuscripts will receive the same service as accorded papers for the Society's Technical Conferences. Preprints will be made of all papers scheduled for the program. It is expected that the Conference will have some lectures, graphic presentations or technical demonstrations that are effective solely as live presentations.—*Harold Wright*

The 1968 Jerusalem Economic Conference held in April served to focus attention on the rapid growth and the international character of the motion-picture and television industries in Israel. Among the developments revealed following the conference is a joint venture by Berkey Photo Inc., New York, and Pathe-Humphries of Canada to provide a completely equipped laboratory with skilled technicians to accommodate the needs of major domestic and foreign countries producing films in Israel. The initial investment will be $1 million. The laboratory will be equipped to process both color and black-and-white film. In addition, it will be able to handle the technical requirements for television, educational and audio-visual film work in Israel and the processing of 8mm amateur film.

The television industry in Israel has also received considerable impetus as a result of the establishment of the Zenith plant in Jerusalem. Beginning in May, an initial daily target of up to 80 23-in. TV sets is scheduled with production expected to grow to 160 to 200 sets a day as the new staff is trained. Michael Robinson, who is associated with the Zenith operation in Israel, said that the Jerusalem factory is the only Zenith plant outside the United States that does not operate solely under a licensing agreement; Zenith holds 26% of the equity and William Robinson of Geneva holds the balance.

Saul Jeffee, President of Movielab, Inc., New York, proposed the establishment of a modern color film laboratory, operating under common market principles in the Near East, to service the motion-picture and television requirements of Israel, Turkey and Greece. Mr. Jeffee proposed that one processing laboratory be situated at a point geographically accessible and readily available without restrictions to the film industries of all three countries. According to the proposal, Israeli, Turkish and Greek laboratory assistants would be trained at the Movielab plant in New York.

Saul Jeffee has presented a gift of $100,000 to the Lincoln Center for the Performing Arts, New York, to be used toward developing an institution for film. Announcement of the gift was made by William F. May, Chairman of Lincoln Center's Film Committee.

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The Lincoln Center Film Department was established in 1963 under the direction of Amos Vogel. Its current activities include the annual New York Film Festival, the annual National Student Film Awards Competition, presented in association with the Motion Picture Association of America and the National Student Association, and other annual film programs. It is planned to establish a film club open to the general public, to offer a year-round series of features and shorts, premieres and revivals, lectures and symposiums.

The Audio Engineering Society's 1968 Fall Convention and Exhibit will be held October 21–24 in New York. Technical Sessions will include Disc and Tape Recording; Broadcast and Communications Audio; Electronics and Musical Instruments; Sound Reinforcement; Solid State Transducers; Audio Apparatus and Applications; and Audio in Medical Practice and Research. In addition to the Technical Sessions, several special features are being planned to commemorate the 20th year of the AES. Further information is available from J. G. Woodward, RCA Laboratories, Princeton, N.J. 08540.

The International Television Conference will be held September 9–13 in London. The conference will be sponsored by the Society in collaboration with the Institution of Electrical Engineers, Institution of Electronic and Radio Engineers, Royal Television Society and the Institute of Electrical and Electronics Engineers (United Kingdom and Republic of Ireland Section). The scope of the conference will include all engineering aspects of television with particular reference to systems, studio and origination equipment, recording, signal distribution including wire relay, transmitters, aerials, receivers and propagation. Chairman of the Organizing Committee is R. C. Harman, Institution of Electrical Engineers, Savoy Place, London, W.C.2, England.

The 7th Research Film Conference, held annually by the British Industrial and Scientific Film Association, was held May 14–15 at the National Physical Laboratory, Teddington, Middlesex. Theme of the conference was *New Techniques in Cinematography*. Among the papers presented were: Teaching in Technical Colleges for Research Filming; The Growth of Pits on Iron in Chloride Solutions; The Study of Sessile Drops by Cinematographic Methods; Cine Holography; Problems of 8mm and Super 8 Film; Relevance of the Degree in Photographic Technology in Research Filming; and Use of Computers for Film.

Other recent BISFA events have been the March meeting of the London Regional Group which included a screening of films from the United Kingdom Atomic Energy Authority and the Monthly Newcomers screening (in London) at which a number of new industrial films were shown. Among films shown on that occasion were *A Grocer's Guide to English Cheese* and *The Wavemakers*, which showed design and construction of a large ship-model testing tank.

The second session of the Color Measurement Seminar at Clemson University, Clemson, S.C. 29631, will be held July 22–26. The first session was held in May. Guest speaker at the first session was Miss Dorothy Nickerson who spoke on "History of the Munsell Color Systems." Wallace R. Brode will be guest speaker at the second session. His subject will be "Synthetic Dyes Used by American Indians." A special feature of the second session will be a Symposium on Color Computer Technology. Subjects covered at both sessions include color matching techniques, color difference analysis and units, color formulation (Kubelka-Munk equations and classic Pineo method) and color control in textile and other industries.

A seminar on Techniques and Applications of High-Speed Motion-Picture Photography was held May 13–15 in Parsippany, N.J. The seminar was sponsored by Photographic Analysis Co. The seminar, conducted by Charles A. Jantzen, consisted of lectures and workshop sessions and discussion of individual problems. Extensive instruction in the use of the new Hycam camera was given. Discussions covered types of cameras, films, lighting and uses of high-speed cameras including oscillography and microscopy.

The Photographic Process as a Scientific Instrument, a seminar for engineers and scientists, will be held September 9–13 at Rochester Institute of Technology. The seminar is conducted annually by the Institute's School of Photographic Arts and Sciences and the Extended Services Division. Further information is available from A. Robert Maurice, Assistant Director, Extended Services Division, Box 3416, Rochester Institute of Technology, Rochester, N.Y. 14614.

The American Film Institute, 1707 H St., N.W., Washington, D.C. 20006, has announced a pilot program to encourage teachers and scholars in the field of film and television. Fellowships ranging from $1,500 to $2,500 will be available to graduate students for tuition, research or travel connected with preparation for a teaching career in film or television. According to George Stevens, Jr., AFI Director, "At present there are less than 200 teachers in the United States professionally prepared to handle the film medium, while in the next few years, thousands will be needed. AFI fellowships will lead to an accelerated development of teachers and a new excellence in film education."

The Standards Council of Canada has been established to promote and coordinate standardization activities in Canada and Canadian participation in international standards organizations. Council membership will be composed of representatives of Federal and provincial governments, industry, labor unions, trade associations, professional societies and consumer organizations. Consultations with trade, industry, consumer and other interested groups are planned.

Communication Media in Medicine, by T. A. Quilliam (Ed.), is a report of the lectures given at the Ciba Foundation during the winter of 1966/67. It is published by the British Industrial and Scientific Film Association, 193–197 Regent St., London, W1, England. It is priced at 7s 6d. Contents of the 22-page booklet include "Towards Better Communication" by T. A. Quilliam; "Automation and Information Retrieval in Clinical Chemistry" by S. F. Woodward; "Visual Signalling in the Animal World" by V. Barber; "Some Recent Developments in Teaching Techniques" by T. Burgess and C. S. Carpenter; "The Role of the Producer in Closed-Circuit Medical Educational Television" by David Wilkie; "Problems of Education and Ascertainment for Handicapped Children" by Mary D. Sheridan; "Essential Evaluation Criteria for Medical Films and Video Tapes" by E. E. Claxton and T. A. Quilliam; and "Trends and Prospects in Technology-Aided Teaching in Universities" by T. A. Quilliam.

Mr. Quilliam is Secretary of the Medical Group and a member of the Department of Anatomy, University College, London.

A Room for Learning, a 14-min color sound filmstrip, explains the functions of multimedia instruction rooms, presents the principles of their design and shows a number of typical installations in educational and business organizations throughout the country. Multimedia instruction rooms are specially-built rooms with large built-in projection screens, permanently installed audio-visual equipment, special lighting and other facilities for modern instruction. The film was produced by Paul Dexler of Bailey Films. It is available from National Audio-Visual Assn., 3150 Spring St., Fairfax, Va. 22030, at a price of $12.50 ($10.00 if remittance accompanies order). Copies are also available on a 15-day approval basis for preview purposes.

A series of films designed to add a visual dimension to music appreciation has been produced by Musilog Corp., P.O. Box 1199, 1600 Anacapa St., Santa Barbara, Calif. 93101. The series, called *Music in Motion* is designed to show the background or atmosphere in which the composer worked and which influenced his composition. For example, Vaughan Williams's "London Symphony" was photographed in London; Respighi's "Fountains of Rome" was filmed in Rome; Mendelssohn's "Hebrides Overture" was filmed in Scotland, retracing the composer's steps on a walking tour which inspired the music; Rimsky-Korsakov's "Le Coq d'Or" was photographed in the Orient; the scenes for Beethoven's "Eighth Symphony" were filmed in and around his home at Bonn, Germany; and the film for Ibert's "Palmero" was made on the seacoast of Sicily. There is no narration to interrupt the music. The films are intended to enhance, rather than distract from, appreciation of the music. There are 15 films in the current series; all are 16mm color-sound and about 8-min running time. Each film is accompanied by a 12-page study manual giving the instructor supplemental material related to the film, the composer and the composition.

Alfred Norton Goldsmith, internationally known electronic scientist, has entered into an agreement in principle with Income Properties, Inc., 26 Court St., Brooklyn, N.Y., whereby the firm will have exclusive license to his invention of an optical process described as "revolutionary." Announcement was made by Joseph J. Macaluso, President of Income Properties. Dr. Goldsmith's inventions have made major contributions to such developments as the color television tube, remote control channel-changer and others. He is an Honorary Member of this Society and was its President in 1932–34. He became Editor of the (then) *Proceedings of the IRE* in 1912 and now is Editor Emeritus of the successor publication, *Proceedings of the IEEE.* He was IRE President in 1929.

Itek RS black-and-white duplicating films will be produced jointly by Itek Corp. and the Agfa Gevaert group under the terms of a recent agreement. Terms of the agreement call for the exchange of technical information relating to the manufacture of sensitized materials and for the design of a manufacturing facility to be constructed in the United States. Initially, the RS film will be produced at the Agfa Gevaert plant in Mortsel, Belgium. The agreement results from the continuous exchange of research information between the companies in the fields of graphic arts, aerial photography and industrial photo products. Itek RS is a new proprietary continuous-tone photographic process. Equipment using Itek RS paper to make enlargements from microfilmed engineering drawings was introduced last year.

Sony Corp. of America has consolidated its Industrial and Commercial Video Tape Recorder Divisions into one VTR Division located at 516 West Florence Ave., Inglewood, Calif. The new division will be under the direction of Bruce L. Birchard who has headed the Industrial Division since it was formed in 1963. Mr. Brichard is also President of Videoflight, Inc., the Sony subsidiary in Jamaica, N.Y., which does tape duplication.

The newly created Broadcast Systems Department of the Commercial Electronic Systems Division of Radio Corp. of America will encompass broadcast equipment engineering, product management and sales activities. Head of the new department will be Andrew F. Inglis, a Division Vice-President, together with Edwin C. Tracy, Division Vice-President, Broadcast Sales, and Andrew L. Hammerschmidt, Division Vice-President, Broadcast Engineering and Product Management.

Photo Research Corp. has moved to new and larger facilities. The new quarters are at 3000 North Hollywood Way, Burbank, Calif. 91502. The firm manufactures Spectra instruments.

A "bunching" of the high energy, outer Van Allen belt electrons as they drift around the earth in its magnetic field has been revealed by Bell Telephone Laboratories experiments aboard NASA's ATS-1 satellite. The experiments also verified a

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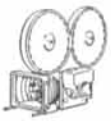

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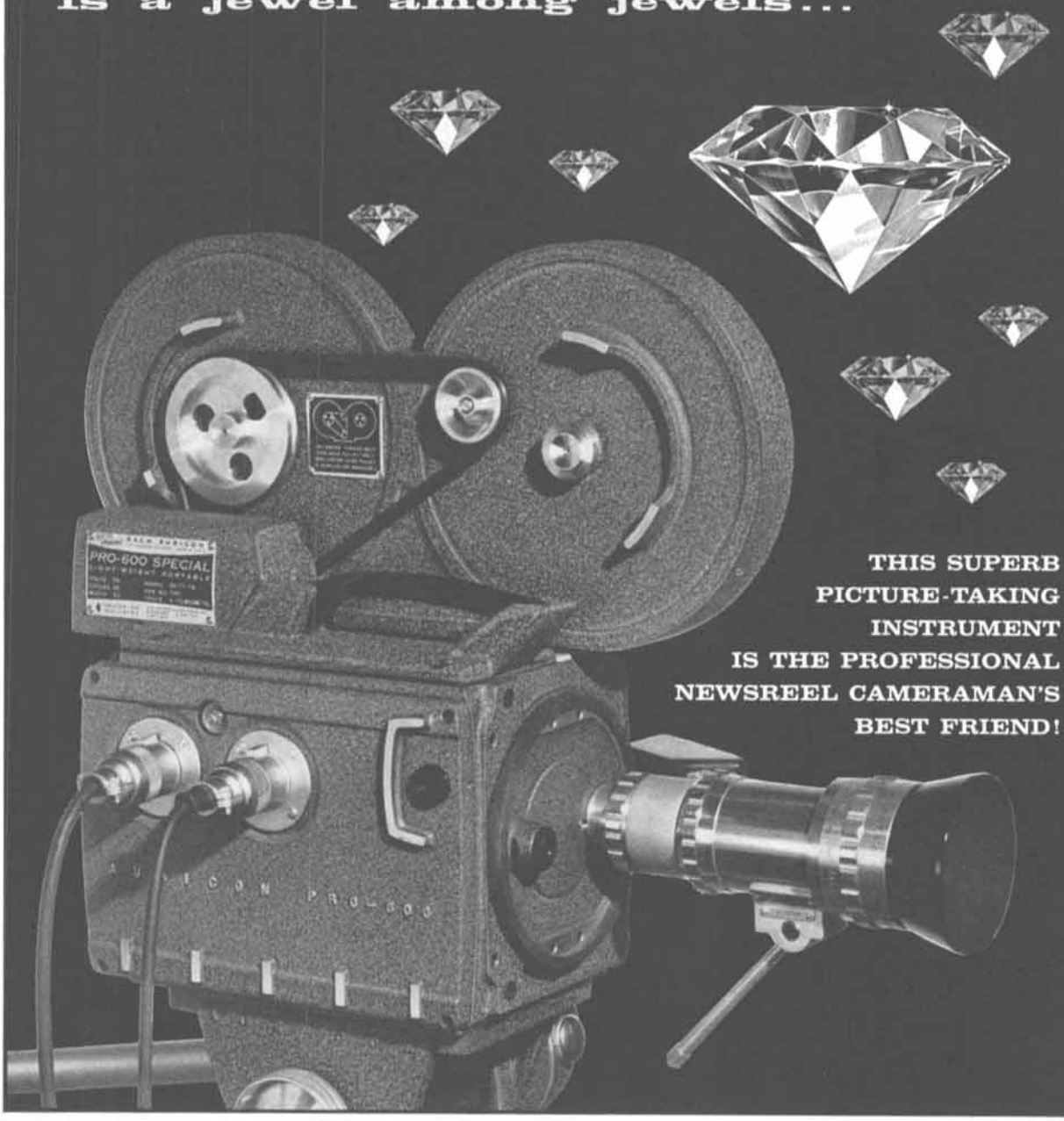

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predicted day-night variation in the density of these electrons. The satellite carries high energy particle detectors developed by Bell Telephone Laboratories. The detectors count electrons for 3.90-s intervals approximately once each 25 s. Each detector measures electrons at a particular level in the energy range between 0.4 MeV and 1.9 MeV. The electron "bunches" seem to be caused by sudden changes in the distortion of the earth's magnetic field as a result of sharp variations in the solar wind, a continuous stream of plasma from the sun. ATS-1 measurements are being correlated with ground-based observations, with direct observations of the solar wind.

Trillionth-of-a-second laser pulses with billions of watts of peak power are present in the output of high-power solid-state lasers. Until discovered recently by Bell Telephone Laboratory scientists, the ultrashort pulses were thought to be one long pulse lasting 30 billionths of a second because of the rapidity with which the ultrashort pulses emerged from the laser. The pulses are produced by lasers that are Q-switched. In these lasers a shutter-like mechanism stores up energy and then suddenly releases it in the form of an intense burst of radiation. The discovery that many widely used lasers are spontaneously generating ultra-short pulses rather than simple bursts is expected to lead to a reexamination not only of existing theories of laser operation, but also of a great many experiments and devices making use of such lasers.

Schottky barrier diodes have been improved to give them nearly ideal current-voltage characteristics, according to an announcement from Bell Telephone Laboratories. The improvement is due to the addition of a diffused guard ring of p-type silicon. The new diodes exhibit a linear relationship between voltage and the log of current for four orders of magnitude more than the other type (which are approximately linear only from 10^{-7} A to 10^{-3} A). This makes them especially useful as logarithmic converters, essential elements of transmission systems. The guard ring eliminates the "edge effect" inherent in the simpler Schottky diodes. The edge effect, which causes reverse breakdown at voltages considerably below the theoretical limit, results from a concentrated electric field at the interior corners of the metal-semiconductor junction. The overlay contact on both Schottky diodes can be either aluminum or a titanium-platinum-gold alloy. The insulator is silicon dioxide. Platinum-silicide serves as a metal in both of the metal-semiconductor Schottky barrier junctions. The diameter of the platinum-silicide areas, which defines the active area of the diodes, is typically 40 μ for high-speed applications.

Precise optical frequency tuning of a continuously operating laser over a range of ±45 GHz has been reported by Bell Telephone Laboratories scientists. This optical frequency shift is the largest ever obtained using electrooptic means. Previous shifts using the electrooptic effect were less than 2 KHz. The operation of the new fre-

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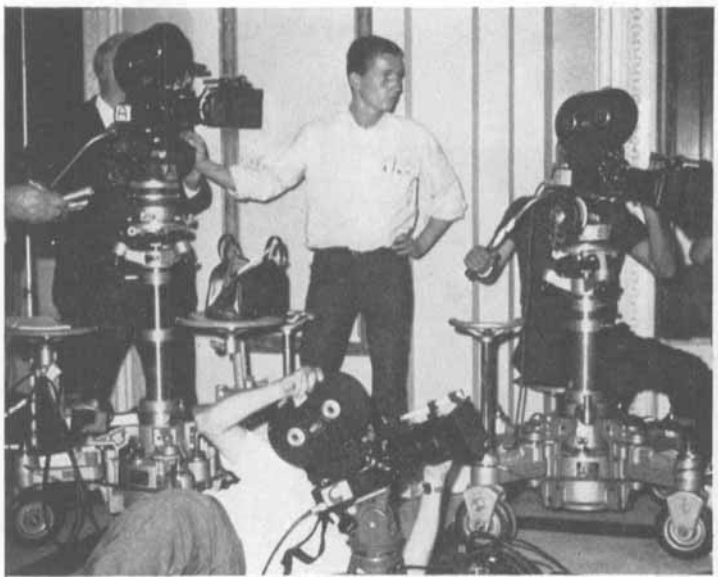
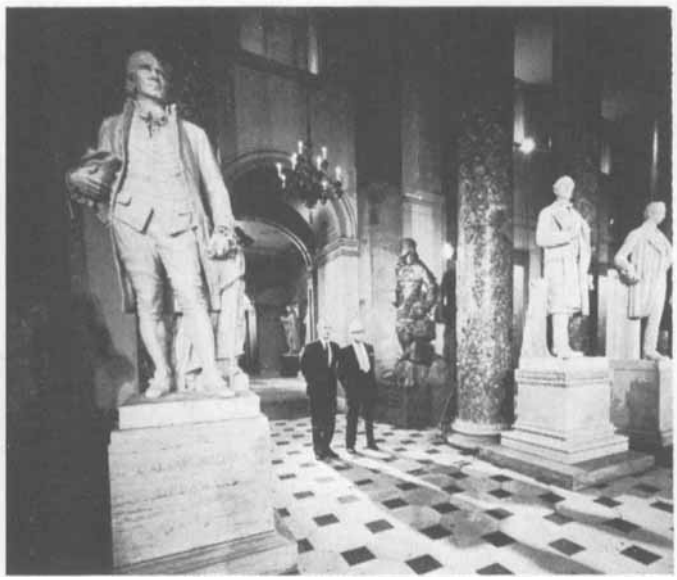
Bert Gerard had 7½ hours 14 locations for ABC-TV's hour long



Three Arriflex 16BL cameras filming Senator Dirksen and Howard K. Smith at the House Chamber Corridor. In center: Camera assistant Fred Schuler.



Senator Dirksen and ABC News Commentator Howard K. Smith entering the Statuary Hall during the filming.

Director of Photography Edmund Bert Gerard, IATSE New York Local 644, thrives on *"impossible"* assignments. Which is why ABC-TV asked him to film — in one day — a documentary film tour of the Nation's Capitol. Senator Everett Dirksen was to be host, and newsman Howard K. Smith the commentator.

The Illinois Senator had informed ABC that he could devote just one day to the project. With interruptions for Senate roll calls and votes, the *"day"* was actually 7½ hours. And to make an already difficult situation nightmarish, Capitol rules and restrictions severely limited set up times, and strictly controlled shooting schedules and locations. Given this situation, there would be no rehearsals, no retakes, no second chances!

Producer James Benjamin's research and preliminary walkthroughs had produced a 22-page shooting script that called for filming the Senator in 14 locations. In view of the time limit, Benjamin and Gerard decided that the production could only be done by shooting it as if it were a live telecast.

"The logistics problems were unbelievable," Gerard explained. *"Since we would have no time to reposition the lights, we practically had to light up all the interior locations beforehand. Our 21 electricians had to handle 10,000 feet of cable and position over 320 ColorTran lights."*

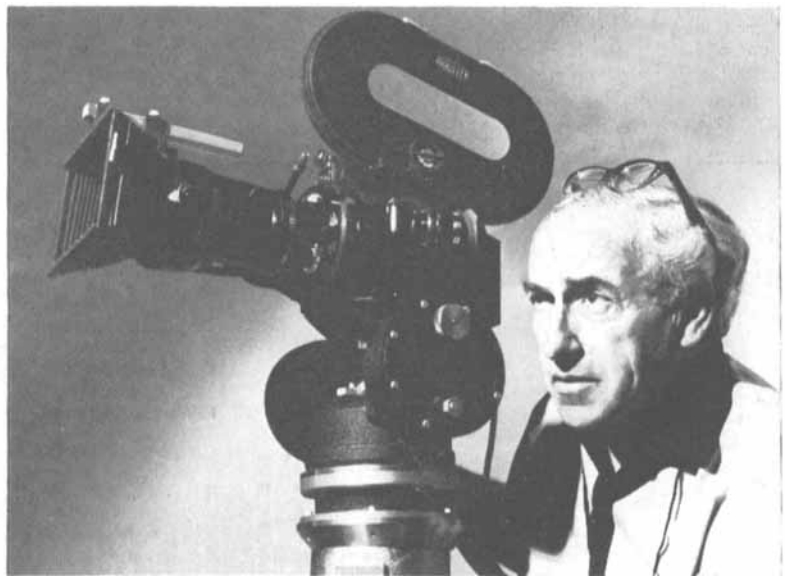
For his cameras, Bert Gerard selected three Arriflex 16BL's.

"I had to have the best 16mm equipment available. The cameras had to be quiet, fast handling and reliable. Reliability was especially important since we were running the 16BL's in sync and could not afford any jams."

"Everett Dirksen's Washington"

to shoot a 22-page script in documentary. Filmed in 16mm color.

Senator Dirksen at the Will Rogers statue.



Cinematographer Bert Gerard

Two of the BL's were fitted with 12mm-120mm Angenieux zooms; the third had the 9.5mm-95mm Angenieux.

"With this setup, we used the wide angle for establishing shots and coverage of Statuary Hall. All three cameras were positioned to ensure that we were covering the Senator no matter where he walked or how he turned."

Gerard staggered camera runs to avoid simultaneous run-outs. *"We timed camera operation to allow for 30-second magazine changes. The Arriflex quick-change system is ideal for this kind of work. Magazine changes are fast. But more important, the magazine system is absolutely safe. We didn't tear a single sprocket or chew up a frame of film."*

Edmund Bert Gerard eagerly tackles the most difficult assignments. But he's not one to take chances on anything less than proven equipment.

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quency shifting device is based on the Doppler effect. Normally, a Doppler shift is caused by a moving source; however, the Doppler effect is achieved in the new device by rapidly changing the optical path length. This action is the equivalent of having a laser beam emitted by a moving source. The net result is a Doppler shift. The shift is achieved by passing the beam through a lithium niobate crystal whose refractive index is changed by an applied RF signal.

Lee H. Shank has been appointed Director of Advanced Product Planning, Fairchild Industrial Products, 221 Fairchild Ave., Plainview, L.I., N.Y. 11803; and Hans Napfel has been appointed Engineering Manager. In his new post, Mr. Shank will be responsible for programs covering new product development and acquisition research. Mr. Napfel's responsibilities include coordination of all operational engineering efforts within the division.

John Babb has been appointed President of F&B/Ceco, Inc. He was co-founder of Florman & Babb, Inc., in 1951, and, prior to his present appointment, was Executive Vice-President of F&B/Ceco. Other executive appointments within F&B/Ceco, Inc., were announced by Arthur Florman, President of F&B/Ceco Industries. Wallace C. Robbins, former Sales Manager, was appointed Vice-President in charge of Systems and Procurement. Robert S. Kaplan was appointed Sales Manager; Hy Roth, Manager of Rentals; Raymond Emeritz, Manager of Research and Development; William Allen, Manager of Manufacturing; and Irving Pivovar, Manager of Sales Promotion. Len Hollander remains in the post of Vice-President, Rentals and Service; Dom Notto remains Vice-President of Engineering; and Dom Capano, Vice-President of Sales.

Dom Capano was appointed President of the SOS Photo-Cine-Optics Division. He replaces Newell Crawford who was appointed Vice-President and Treasurer of F&B/Ceco Industries, Inc.

Other recent appointments are Carl Porcello, Vice-President and General Manager of F&B/Ceco of California, Inc., and Jack Hart, Executive Vice-President of Intercinema Corp.

Robert G. Thompson has been elected Vice-President in Charge of Operations for TNT Communications Inc., 575 Madison Ave., New York, N.Y. 10022. His responsibilities will include supervision of the transmission, technical personnel and equipment of the TNT closed-circuit network. Mr. Thompson joined TNT in 1962. He was formerly with Columbia Broadcasting System where he was Director of Technical Operations for CBS Network.

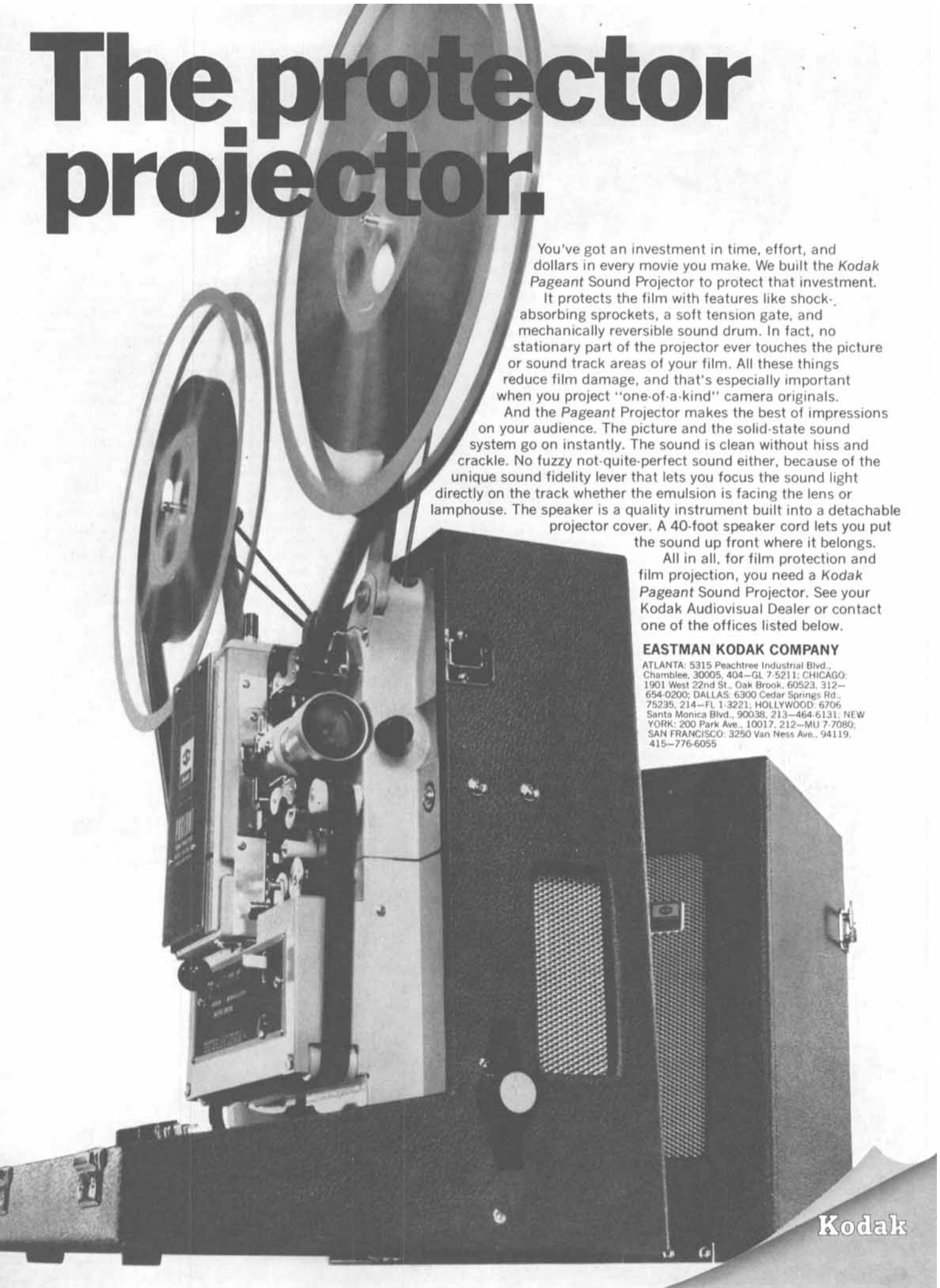
Elie C. Katz has been appointed Sales Manager for Video Center, Inc., 101 Industrial East, Clifton, N.J. 07012. The firm is master distributor for Ampex in New York, New Jersey and Connecticut. Mr. Katz was formerly with ITV, Inc., as a systems engineer.

John E. Hopson has been appointed National Sales Manager for Television Commercials, DeLuxe/General Film Laboratories, 1546 N. Argyle, Hollywood, Calif. 90028. Mr. Hopson was formerly General Manager, National Television Film Distribution for Cascade Pictures of California.

Lawrence R. Teeple, Jr., has formed a consulting firm specializing in the fields of optics, electrooptics and electromechanics with offices at 525 University Ave., Palo Alto, Calif. Mr. Teeple was formerly Manager of Cine Products and Assistant to the General Manager of Beckman & Whitley, Mountain View, Calif. The new firm will offer such services as new product development, financial counsel, merger/acquisition studies, market research and sales management counsel.

Glenn E. Matthews has been made an Honorary Fellow of the Royal Photographic Society of Great Britain. This rank, the highest honor bestowed by the Society, was granted in recognition of Mr. Matthews' "outstanding contributions to the wide dissemination of scientific and related knowledge of photography." He was Technical Editor, Kodak Research Laboratories, for 36 of his more than 41 years with

The protector projector.



You've got an investment in time, effort, and dollars in every movie you make. We built the *Kodak Pageant* Sound Projector to protect that investment.

It protects the film with features like shock-absorbing sprockets, a soft tension gate, and mechanically reversible sound drum. In fact, no stationary part of the projector ever touches the picture or sound track areas of your film. All these things reduce film damage, and that's especially important when you project "one-of-a-kind" camera originals.

And the *Pageant* Projector makes the best of impressions on your audience. The picture and the solid-state sound system go on instantly. The sound is clean without hiss and crackle. No fuzzy not-quite-perfect sound either, because of the unique sound fidelity lever that lets you focus the sound light directly on the track whether the emulsion is facing the lens or lamphouse. The speaker is a quality instrument built into a detachable projector cover. A 40-foot speaker cord lets you put the sound up front where it belongs.

All in all, for film protection and film projection, you need a *Kodak Pageant* Sound Projector. See your Kodak Audiovisual Dealer or contact one of the offices listed below.

EASTMAN KODAK COMPANY

ATLANTA: 5315 Peachtree Industrial Blvd., Chamblee, 30005, 404—GL 7-5211; CHICAGO: 1901 West 22nd St., Oak Brook, 60523, 312—654-0200; DALLAS: 6300 Cedar Springs Rd., 75235, 214—FL 1-3221; HOLLYWOOD: 6706 Santa Monica Blvd., 90038, 213—464-6131; NEW YORK: 200 Park Ave., 10017, 212—MU 7-7080; SAN FRANCISCO: 3250 Van Ness Ave., 94119, 415—776-6055

Kodak

Eastman Kodak. He retired in 1963 (*Journal*, p. 40, Jan. 1963). He was Editorial Vice-President of the Society from 1957 to 1963, and in 1962 he was cited for outstanding service to the Society. Since 1963, Mr. Matthews has continued writing on scientific and photographic subjects. Among other activities, he was special editor for photography and motion pictures of the third edition of Merriam-Webster's Unabridged New International Dictionary. He is currently working on an article, "Photography of the Moon and Planet Mars."

Peter C. Goldmark is a recipient of the George Washington Award bestowed by the American Hungarian Studies Foundation for contributions to scientific research and human knowledge. Dr. Goldmark, one of America's leading inventors, is President of CBS Laboratories. He is a Fellow of the Society. He holds more than 150 patents and his inventions have led to the development of long-playing records and a color television broadcasting system. His recent achievements include contributions to the development of Electronic Video Recording for the home and classroom.

Samuel Breitenstein retired April 30 from the post of Production Specialist, Laboratory Branch, U.S. Army Pictorial Center. At the time of his retirement he had been with the Army Pictorial Center for about six years. He had formerly been with Mecca Film Laboratory of New York where, for 25 years, he had been Laboratory Superintendent. A member of the Society since 1930, his motion-picture career began in 1912 when he joined the Commercial Motion Picture Laboratory. Mr. Breitenstein is also a member of Motion Picture Pioneers. He is presently available for consulting services at 170 KinderKamack Rd., Westwood, N.J.

Gordon K. Milne will head a new major "progam" in Industrial/Scientific Program for Brooks Institute of Photography, 2190 Alston Rd., Santa Barbara, Calif. 93103. Prior to this appointment Mr. Milne served as Photographic Supervisor for the Stanford Research Institute of Palo Alto, Calif., and also acted as Chief Photographer for Hiller Aircraft. Brooks Institute presently has five major programs in Professional Photography.

Carl W. Claras has been appointed a Vice-President of International Video Corp., it was announced by Donald F. Eldridge, IVC President. Before joining IVC as Director of Manufacturing, Mr. Claras was with the Osters Companies and the Revere-Wollensak division of 3M company.

Sidney V. Stadig has been appointed to the newly created post of Manager-Headquarters Sales for Visual Electronics Corp., 356 W. 40 St., New York, N.Y. He was formerly Director of Engineering for W.B.C. Productions and prior to that served in engineering management capacities for Group W Stations in Cleveland, Philadelphia, San Francisco and Boston.

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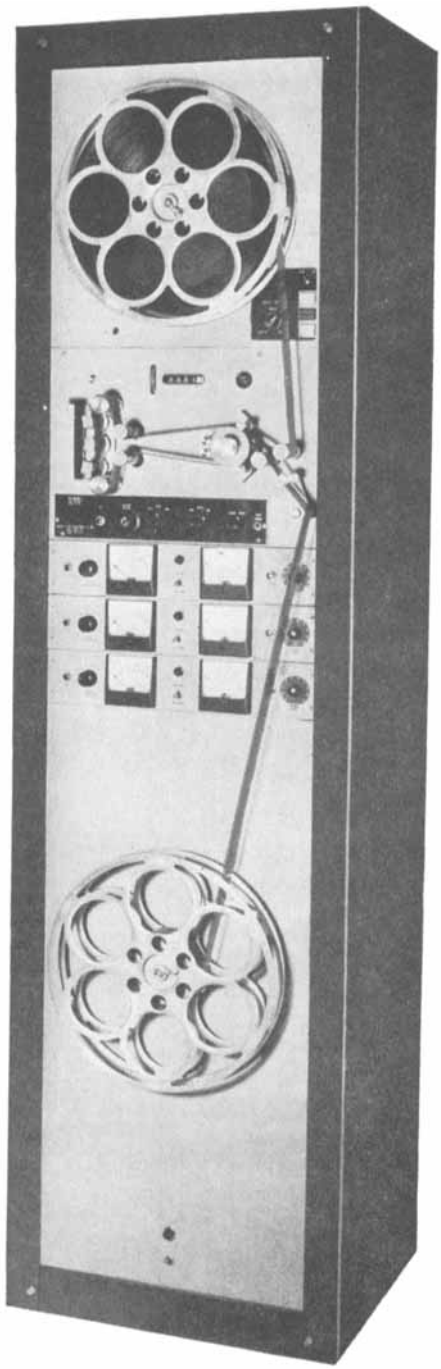

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Charles Pati and Willard B. Gorsuch have been elected Executive Vice-Presidents of Technicolor Corp., 6311 Romaine St., Hollywood, Calif. 90038. Announcement was made by Paul W. Fassnacht, President and Chief Executive Officer of Technicolor. Mr. Pati resigned as Executive Vice-President of Banner Productions Inc., to join Technicolor. His responsibilities will include maximum correlation and joint interdivisional operation of the company's diverse manufacturing activities. He had been with Metro-Goldwyn-Mayer from 1928 until he joined Banner Productions and he was Vice-President of Metro-Goldwyn-Mayer International. Mr. Gorsuch will direct interdivisional financial operations.

John Phan has been appointed Manager of the Electronic Engineering Department of MVR Corp., 470 San Antonio Rd., Palo Alto, Calif. 94306. He has been with the firm since 1963 and was previously with Beckman & Whitley. MVR manufactures magnetic disc recorders.

Carl Porcello has been appointed Vice-President and General Manager of F&B/Ceco of California. He joined the firm in 1951 at the age of 17 as errand boy and in 1954 he was made head of the Camera Rental Department. In 1961 he became a member of Cameraman's Local 644, IATSE, and acted as assistant cameraman in a variety of film projects. Henry Maynes will become head of the Camera Rental Department in Hollywood and Frank Saurez will succeed Mr. Porcello as head of the New York Camera Rental Department.

Daniel R. Wells has been appointed Director of Engineering Services for CBS Television Stations Division. In his new post he will advise and assist CBS television stations in engineering and technical activities. Mr. Wells joined CBS in 1950 as a television studio technician. In 1956 he transferred to CBS Television Network Engineering Department as a project engineer. Later he was appointed Assistant Director, Technical Services, in charge of studio show crews.

J. C. Walker, formerly General Manager of the Equipment Dept. of Johnsons of Hendon, has recently joined Photomec (London) Ltd., St. Albans, Herts, England, as Sales Manager. The firm designs and manufactures photographic processing equipment.

Seymour Cook has been appointed Chief Executive Officer of Continuous Progress Education, Inc., 114 Parkway Drive South, Hauppauge, L.I., N.Y. The firm is a wholly-owned subsidiary of Riker Video Industries. Mr. Cook will continue as Senior Vice-President of ITV, Inc., of which he was one of the founders, and as President of ITV Washington, Inc., both wholly-owned subsidiaries of Riker Video Industries.

Gerald F. Marshall, Research Engineer, has been appointed to the staff of Diffraction Limited, Inc., Middlesex Turnpike, Bedford, Mass. 01730. The firm designs and

manufactures optical systems. In his new post, that of Project Manager for airborne optical display systems, Mr. Marshall will have developmental responsibilities in several areas of high acuity aerial photooptical systems. He was formerly Senior Research Engineer at Ferranti, Ltd., in Edinburgh, Scotland.

Robert A. Castrignano has been promoted to the new post of General Manager for EVR Systems Engineering at CBS Laboratories, High Ridge Rd., Stamford, Conn. 06905. He was formerly a branch manager for the Television Engineering Dept. The announcement was made by Peter C. Goldmark, President and Director of Research. Mr. Castrignano is a member of the CBS Laboratories engineering group, headed by Dr. Goldmark, which developed Electronic Video Recording technology (EVR). He has been with Columbia Broadcasting System since 1938 and was instrumental in the development of CBS color television.

M. M. Haertig and Richard M. Smith have been appointed district sales representatives for the General Electric Visual Communications Products Dept., Schenectady, N.Y. 12305. He will join District Sales Manager, L. F. Page, in covering the greater New York City area for GE television and radio broadcast equipment. Mr. Smith will join H. W. Morse in similar product sales coverage in New England, New York State and the Scranton-Wilkes-Barre, Pa., area.

John F. Higgins has been appointed a mixer at Manhattan Sound Studios. He was formerly with United Recording Laboratories where he held the post of Chief Recording Engineer. Prior affiliations included Reeves Sound Studios where he was a mixer for 11 years. He also held a variety of positions in England as sound engineer and he worked with the OSS Film Unit in obtaining evidence for the War Crimes Trials.

Robert E. Meeker has been elected Executive Vice-President of Macbeth Corp., Newburgh, N.Y. 12550, and Frederic McCurdy has been elected Vice-President, Sales. Mr. Meeker has been with Macbeth since 1954 and has held various posts within the organization. Mr. McCurdy has been with the firm since 1957. Last year he was named Product Marketing Manager for the full Macbeth line.

David V. Hall has been appointed to the newly-created position of Manager of Marketing Development for the Photolamp Div. of Sylvania Electric Products Inc., 730 Third Ave., New York, N.Y. 10017. Announcement was made by Richard E. Martenson, Vice-President of Marketing.

Thomas M. Smith has been appointed Sales Manager of Macbeth Instrument Corp., Newburgh, N.Y. 12550. Mr. Smith joined Macbeth four years ago as a sales engineer in the company's Chicago-based midwest territory. Later he was transferred to Newburgh as Assistant Manager of Instrument Sales. He was previously affiliated with the Ansco Div. of General Analine and Film Corp.