

## First SMPTE Life Fellow

John I. Crabtree is the first member of the Society to attain the newly created grade of Life Fellow. Past-President of the Society (1930-31), he has been a member of the Society for more than 40 years and during that time has served on many committees and on the Board of Governors.

In making the announcement, President Servies noted that as Chairman of the Board of Editors, Mr. Crabtree was instrumental in establishing the *Journal of the SMPE* as one of the leading engi-

neering publications of the world. As SMPE President he fostered closer liaison with other engineering societies and encouraged the cooperation of the Society with the American Standards Association. During his 43 years of service with Eastman Kodak Company, from which he retired in 1957, he made many significant contributions to scientific knowledge in the photographic field.

He was recipient in 1944 of the Journal Award and in 1952 he was awarded the Progress Medal "for his outstanding contribution in the field of photographic chemistry, motion-picture processing and processing equipment."

## Education, Industry News

Alfred N. Goldsmith, Past-President and Honorary Member of SMPTE, has been elected Honorary Vice-President of the Radio Corp. of America, where he served first as Director of Research and later as Vice-President, resigning in 1933 to become an independent consultant. In announcing the election, RCA Chairman David Sarnoff noted the "profound importance" of Dr. Goldsmith's "contribution to the art and science of electronics." Dr. Goldsmith is the second Honorary Vice-President elected by the RCA Board of Directors, the first being Vladimir K. Zworykin who is also an Honorary Member of this Society.

Dr. Goldsmith has played a prominent role in Society activities for many years. He was President of the Society for the two-year term beginning in 1932, and also has served on the Board of Governors and on various committees. In 1956 he was awarded the Progress Medal. The accompanying citation noted Dr. Goldsmith's "many contributions to the progress of many phases of sound motion pictures and television engineering, particularly for his early recognition of the importance of a tricolor kinescope and his concept of means for accomplishment."

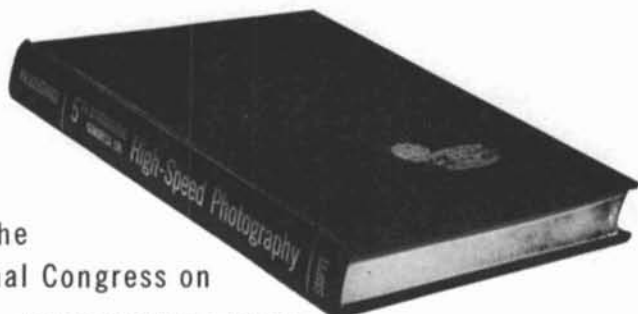
Among the more than 200 patents issued to Dr. Goldsmith for his inventions is the basic patent on the aperture mask phosphor-triad color kinescope tube. Author of several books and numerous papers, among those published in the *Journal* (and *Transactions*) are "An Entertainment City," *Transactions*, Dec. 1934; "Television and Motion Pictures," *Transactions*, July 1935; "Technical Aspects of the Motion Picture," *Transactions*, Sept. 1935; "IR System, an Optical Method for Increasing Depth of Field," *Journal*, Jan. 1942; "Future Development in the Field of the Projectionist," *Journal*, Feb. 1940.

The Society of Photographic Scientists and Engineers will hold a Symposium on Photography of Electronic Display October 12-13, 1962, at the Shoreham Hotel, Washington, D.C. The Papers Chairman is Calvin S. McCamy, Photographic Research Section, National Bureau of Standards, Washington 25, D.C.

A fully equipped television studio for the use of students in the College of Dramatic Art of the Royal Scottish Academy of Music was opened May 24 in Glasgow. The equipment, installed by Marconi's Wireless Telegraph Co., Chelmsford, Essex, England, meets every requirement for the production of small-cast plays. The studio and control room are simplified counterparts of those used by big broadcasting organizations. Cameras, control room, lighting and ancillary equipment will all be manned by students who will thus gain invaluable experience in the actual techniques of production.

The studio is equipped with two Marconi Broadcast Vidicon Cameras Type BD 864, a comprehensive overhead lighting system, a microphone boom and a variety of microphones. Talkback arrangements are provided for cameramen, boom opera-

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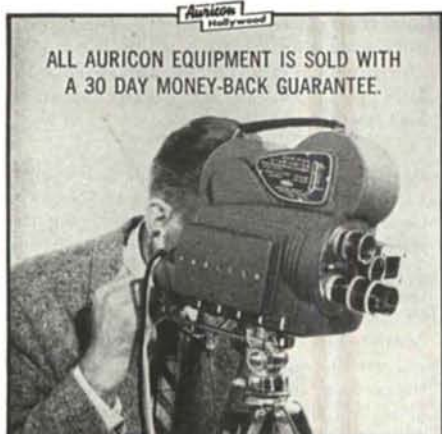
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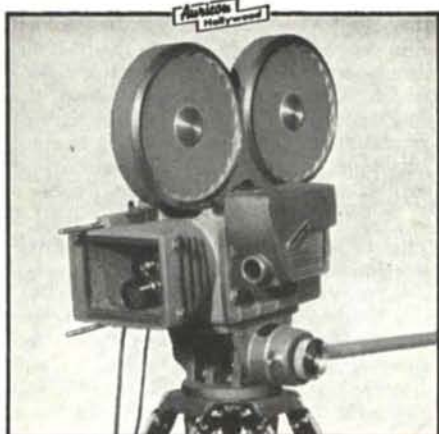
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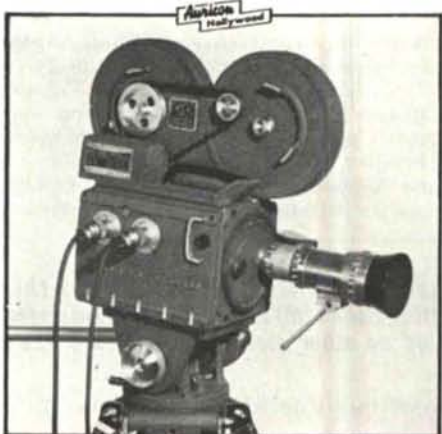
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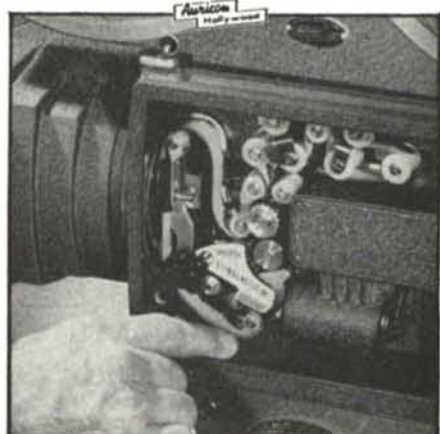
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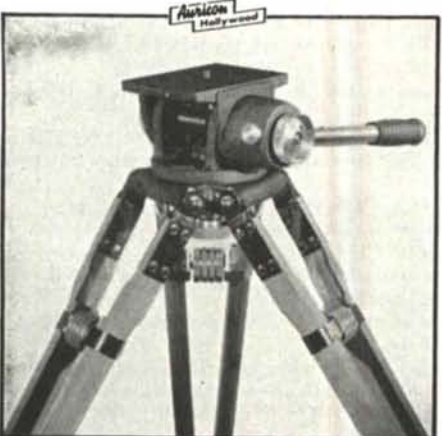
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**The IRE International Convention** held March 26-29 in New York reflected the astonishing developments in electronics and communications since the IRE was founded 50 years ago. The technical program included a total of 54 sessions and 260 papers. About 850 exhibits were displayed at the New York Coliseum. These equipments and devices represented the latest advances in the radio-electronics fields. Session topics as signposts to the future pointed toward a burgeoning of techniques, equipments and devices for space exploration and rapid development of various types of digital computers. A session with slightly alarming implications was on Artificial Intelligence: Recent Developments in Concepts and Hardware. Other sessions of considerable interest

included Broadcast and Television Receivers; Reliability and Quality Control; Special Communications Techniques; and Space Telemetry.

Seventy-eight newly named Fellows of the IRE were honored at the Golden Anniversary Banquet. Among the SMPTE members who were so honored are Benjamin Alder, for contributions toward the effective utilization of the UHF spectrum; W. L. Hughes, for contributions to color television; and H. N. Kozanowski, for early contributions to electronic circuits.

**The 15th Annual Conference on Engineering in Biology and Medicine**, sponsored jointly by the IRE, AIEE and ISA, will be held November 4-7, 1962, at the Conrad Hilton Hotel, Chicago. Papers and scientific exhibits will be presented and displayed on the most recent medical and biological techniques and discoveries. Some of the topics expected to be discussed include artificial organs; biological control systems; bionics; biophysics; cardio-pulmonary physiology; computer technology; data handling; electrophysiology; instrumentation; ionizing radiation; and neurophysiology and allied fields. Further details, including requirements for manuscripts are available from the Program Committee, P.O. Box 1475, Evanston, Ill.

**Image of the Sea** was selected for theatrical showing as a companion piece to *Through a Glass Darkly*, during its run at the Rockhill Theater in Kansas City

which began May 9. Earlier films produced by UCLA students which were given theatrical release include *Time Out of War*, by Dennis and Terry Sanders (which won an Academy Award); *One Way Ticket*, by Bamlet Price (Producers Guild Award); and *The Living Desert*, which Walt Disney purchased from UCLA student Paul Kenworthy before he had completed the film.

**Basil Wright**, director of such well-known British documentary films as *Song of Ceylon* and *Night Mail*, is presently on the staff of the Motion Picture Division of the Theater Arts Department, University of California at Los Angeles. In addition to lecturing on Documentary Film and Motion-Picture History, Mr. Wright is supervising a group of graduate students in the making of a documentary film on the UCLA Opera Workshop production of the Japanese opera, *Shuzenji Monogatari (The Mask Maker's Story)*. The opera is an international project, sung in Japanese by a cast of American student singers and Japanese Fulbright Scholars working in the UCLA Opera Workshop.

**A five-day conference on Photography in Science** will be held August 20-24 in San Francisco under the auspices of the Biological Photographic Association and the University of California Extension, Berkeley 4, Calif. The program is planned for professional scientific photographers and for scientists and technicians who use

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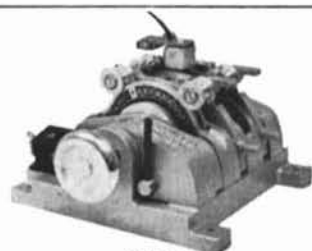
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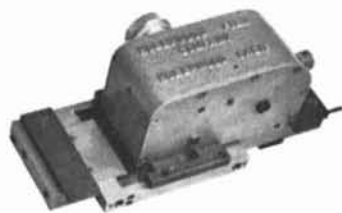
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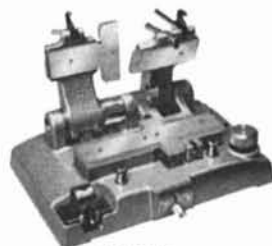
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photography as a tool in research. An impressive list of speakers scheduled to present papers at the conference include many well-known names of photographers and scientists.

**The Sixth National Symposium** sponsored by the Professional Group on Engineering Writing and Speech of the Institute of Radio Engineers will meet September 13-14, at the Mayflower Hotel, Washington, D.C. Theme of the Symposium will be Engineering Writing and Speech — Art or Science? Sessions will cover Art; Science; Both Art and Science; and Engineering Writing and Speech for the Engineer, Writer, Speaker. Texts of the technical papers will be published in a Symposium

*Proceedings* which will be distributed free at the Symposium to all registrants. Additional information is available from Raymond H. Schaaf, c/o Washington IRE Section, 2029 K St. NW, Washington 6, D.C.

**The use of closed-circuit TV to teach still camera technique**, including portrait photography, has been inaugurated by Brooks Institute of Photography. The equipment, installed by Sylvania Electric Products, Inc., is used to present detailed instruction to large classes, and also has been found applicable to presenting lighting demonstrations by showing the problems and solutions of human vision vs. the "vision" of film emulsions in their responses to light values.

**Fifth Congress of the International Union of Technical Motion-Picture Associations (UNIATEC)**

The Fifth Congress of UNIATEC will be held in Moscow, October 1-4, 1962, at the Central Cinema House, under the sponsorship of the Union of Motion-Picture Technicians of the USSR and the Institute of Scientific Research in Motion-Picture Photography. Boris Konoplev, President of the Science and Technology section of the Union of Motion-Picture Technicians of the USSR, will be chairman of the Congress.

The theme will be Future Cinematographic Techniques, and the sessions of the Congress will consist of two parts: Main Conferences, presented by member bodies of UNIATEC, of one hour in length followed by discussion periods of an hour and a half; and Technical Conferences consisting of 15-minute papers followed by 15-minute discussion periods. The latter may be presented by individuals or companies. Simultaneous interpretation will be provided in the four official languages of the Congress — English, French, German and Russian.

An equipment exhibit will be a feature of the Congress, organized by the two sponsoring Russian organizations. Other member organizations of UNIATEC may also participate in the exhibit.

Inquiries about presenting papers, attendance at the Congress, or showing equipment, should be addressed to the Organizing Committee of the Fifth UNIATEC Congress, c/o Union of Motion-Picture Technicians of the USSR, 13 Vassilievskaja Street, Moscow, USSR.

**The Society of Photographic Instrumentation Engineers** will be holding its 7th Annual Technical Symposium August 6-10, at the Statler Hilton, New York. Morton Sultanoff, Fellow of SMPTE and Chairman of the SMPTE Instrumentation and High-Speed Photography Committee, is in charge of the program, which will offer papers, panels and workshops devoted to current and immediate future applications, new instruments, advanced data systems, reconnaissance and surveillance.

George Economou, Perkin Elmer Corp., will moderate a panel on airborne instrumentation; Fred M. Emens, Wollensak Div., will chair a session on nonmilitary applications of high-speed sequence recording; and J. S. Courtney-Pratt, Bell Telephone Laboratories, will conduct a panel on unusual applications of photographic data-recording techniques. An exhibit of specialized photographic instrumentation equipment will accompany the technical program.

**James Sims** has been appointed to the Technical Sales Staff of Visual Electronics Corp. to supervise account servicing in Alabama, Florida and Georgia. He will set up regional headquarters in Miami with an operative branch in Atlanta. Prior to his present appointment Mr. Sims was with Allen B. DuMont Laboratories. More recently he was Director of Engineering of WAPA-TV, San Juan, Puerto Rico, where he engineered and installed the first broadcast microwave "multi-hop" system to be used in Puerto Rico.

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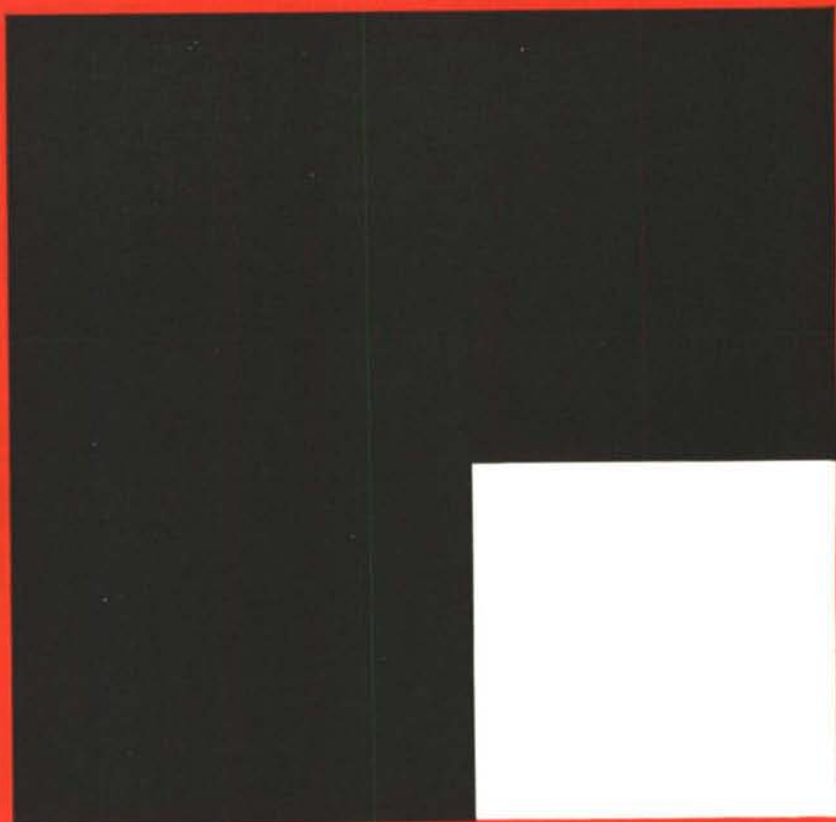
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**New Camera Mart officers.**  
Left to right: S. "Chick" Hyman, President; Anna Browning, Secretary-Treasurer; Paul Meistrich, Vice-President.

**Retirement of Hester V. Browning**, President, and appointment of new officers has been announced by Camera Mart, Inc., 1845 Broadway, New York 23. Mrs. Browning is the widow of Irving Browning, co-founder with Sam Browning (also deceased) of the 24-year-old firm. Newly appointed officers are: President, Samuel Hyman; Vice-President, Paul Meistrich; and Anna Browning (widow of Sam Browning), Secretary-Treasurer. The firm specializes in the sales, rental and repair of professional motion-picture, television and photographic equipment. It also manufactures motion-picture accessories and custom-built equipment under the trade name of Camart Products.

**Clive Lawler-Wilson** has been appointed Sales-Applications Engineer for Electro-

Optical Instruments, Inc., Pasadena, Calif., for the firm's Kerr-cell camera, laser modulator and associated instrumentation. He was previously associated with U.S. Electrical Motors and with The Bristol Company and for both organizations he was responsible for sales and application of measuring instruments and associated control devices. He has also worked with Centre Nationale de la Recherche Scientifique, Paris, France, on spectral analysis research of thermal radiation from ceramic bodies at high temperatures.

**J. Bob Cerny** has been appointed Production Engineer of ColorTran Industries, Burbank, Calif., according to an announcement by Herb Hollander, Executive Assistant of ColorTran. In his new post Mr. Cerny will supervise production and

coordinate the engineering effort with that of the assembly line in the 20,000 sq ft plant. He has been with Natural Lighting Corp. and ColorTran Industries since 1960. Organizations with which he has previously been associated include Electrolux Pty Ltd., Melbourne, Australia; Standard Vacuum Oil Co., of Melbourne; and Walter A.G. of Prague, Czechoslovakia.

**J. Paul Weiss**, a research supervisor at the Parlin Research Laboratory, Photo Products Dept., E. I. du Pont de Nemours & Co., has been appointed a Research Fellow, it was announced by Laboratory Director William A. Stanton. The rarely bestowed title of Research Fellow is in recognition of outstanding ability and accomplishment in independent research work, the announcement indicated. Dr. Weiss is internationally known in the field of color photography and in recent years his research has been almost entirely in that field. In 1951 he received the Journal Award, together with co-authors A. B. Jennings and W. A. Stanton for the paper "Synthetic Color-Forming Binders for Photographic Emulsions," which appeared in the November 1950 issue of the *Journal of the SMPTE*.

**Charles Austin**, New York representative for Mitchell Camera Corp., has been transferred to the firm's headquarters at Glendale, Calif., where he will head the firm's Sales and Products Departments.

*an SMPTE publication*

## CONTROL TECHNIQUES IN FILM PROCESSING

*Prepared by a Special Subcommittee of the Laboratory Practice Committee of the Society of Motion Picture and Television Engineers*

**WALTER I. KISNER**  
*Subcommittee Chairman*

*Foreword by* **E. H. REICHARD**  
*Chairman, Laboratory Practice Committee*

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| 3. General Aspects of Motion-Picture Film Processing | 8. Chemistry of Film Processing                                      |
| 4. Mechanical Evaluation and Control                 | 9. Chemical Analysis and Control                                     |
| 5. Instruments for Photographic Control              | 10. Economic Considerations in Establishing a Process Control System |

*Two-page bulletin with description of subject matter of each chapter available without charge upon request to Society Headquarters*

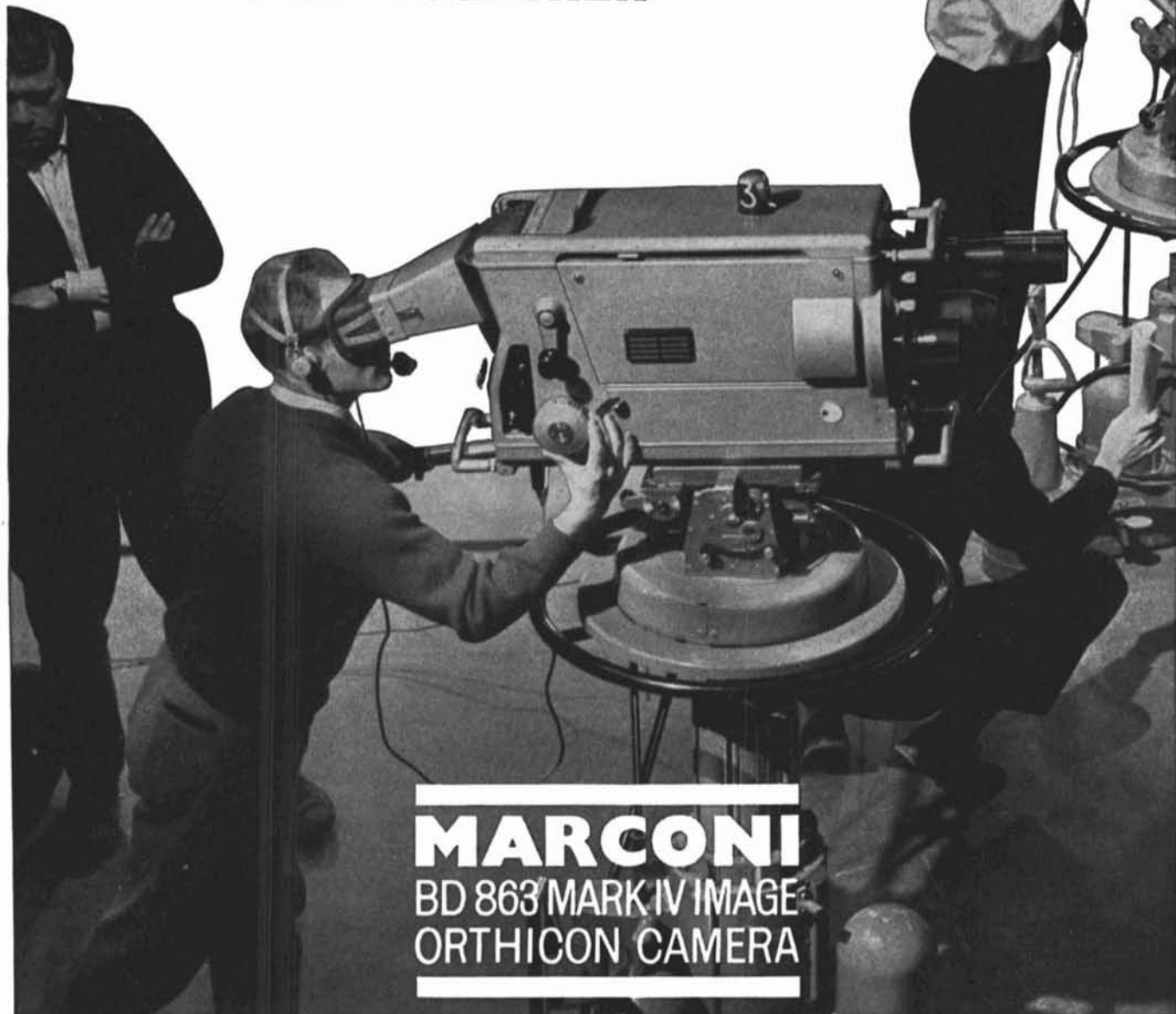
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BY

**Frank G. Goble** has been elected President of the D. B. Milliken Co., 131 N. Fifth Ave., Arcadia, Calif., and D. B. Milliken has been elected Chairman of the Board and Director of Research. The two men are co-founders of the firm which was established in 1941 and specializes in the production of high-speed cameras. Mr. Milliken was formerly President and Mr. Goble was formerly Vice-President and General Manager of the firm. Other officers are T. H. Truesdell, Vice-President; R. S. Guild, Secretary; and Leonard S. Lync, Treasurer.

**George Petetin** has been appointed national distributor sales manager for Reeves Soundcraft Corp., Danbury, Conn.

Prior to his present appointment he was sales manager for Pickering and Company.

**The Second Annual Portman Animation Seminar and Workshop**, conducted by Photo Animation, Inc., 34 South West St., Mount Vernon, N.Y., was held in May, 1962, at Grossingers Country Club, Liberty, N.Y. Demonstrations were conducted by Warren Portman, President of Photo Animation, who lectured on various aspects of animation techniques. Guest speakers included Ken Drake, Training Films, Inc., New York; Maurice Levy, Eastern Effects, New York; Don Capano, S.O.S. Photo-Cine-Optics, Inc., New York; Bob Tinfo, Tinfo Technical Animation,

Seaford, L.I., N.Y., and Dave Sage, Sage, Bukar & Larisch, New York.

**The Alexander M. Poniatoff Research Laboratory** is an advanced research facility newly established by Ampex Corp. at its headquarters in Redwood City, Calif. Director of the new laboratory is Alexander M. Poniatoff, founder of Ampex and Chairman of the Board of Directors. Staff members are Harold Lindsay, Assistant to the Director, and Staff Engineers Alex R. Maxey and Alan Grace. The new facility will be devoted to investigations of advanced and experimental techniques in magnetic recording and will complement the activities of other research and development facilities of the organization.

A new corporation, **Houston-Hale, Inc.**, has acquired Houston Color Film Laboratories, Burbank, Calif., owned by Houston Fearless Corp., which now has a controlling interest in the new company. President and Board Chairman of the new firm is Clark Hale, former manager of Houston Color Film Laboratories. Albert White is Operations Vice-President of the new firm.

**Opening of a branch operation in Seattle, Wash.**, has been announced by Birns and Sawyer, of Hollywood. The branch operation, called Birns and Sawyer Northwest, will supply rental stock, including 16mm and 35mm camera sound and lighting equipment.

A new company called **U.S. Scientific Devices** is located at 2724 Leonis Blvd., Los Angeles 58. The firm specializes in the manufacture of cathode-ray tubes for use in video recording, radar, oscilloscopes, monoscopes, character generators, flying-spot scanners, monitors and other applications. The technical staff is headed by M. Sadowsky and M. Silverman (formerly associated with Continental Industrial Electronics Corp.). The firm also engages in research and development as well as manufacture.

**J. G. McAlister and Bardwell-McAlister lighting units and accessories**, distributed exclusively by CECO Industries and Camera Equipment Co., are available for dealerships in various parts of the country, according to a recent announcement. Equipment for motion-picture and television professional lighting includes McAlister studio lighting units; Bardwell-McAlister commercial lighting units; Hollywood scene dock-reflectors and grip equipment; Duro diffusion devices; and McAlister crab dollies. Unit sizes range from 150 w to 10,000 w.

**Filmasia Productions of India** has announced the opening of its Western Hemisphere offices at 123 E. 38 St., New York 16. Director of the New York branch is Amin Qamar Chaudhri, who collaborated with Francis Thompson on the development of the three-screen process called Triptych. The firm plans to co-produce films with American and European producers. A department has been set up in the New York headquarters for the distribution of Indian and Pakistani films.



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### CAMART DUAL SOUND EDITOR MODEL SB 111

Edit single and double-system 16mm or 35mm optical sound. Edit single-system Magnastripe or double-system magnetic sound. Use with any 16mm motion-picture viewer to obtain perfect lip-sync matching of picture to track. Works from left to right or right to left.

Dual Editor (without viewer) .. \$195.00  
Zeiss Moviscop Viewer... 96.00  
Special Editor-Viewer comb..... 269.50



### CAMART CORE DISPENSER

Keeps film cores handy at all times. Easy to remove—easy to fill. All aluminum construction. Adjustable to 16mm and 35mm cores.

Sizes  
16"..... \$10.00  
24"..... 12.00  
36"..... 16.00

Aluminum Dispenser for Plastic Reels  
50'—\$16.50 100'—\$18.50



### TRAID SPLICER

- Durable, Safe—assumes a perfect weld all the time.
- Found on all professional editing tables.
- With carbide scraper blade.

Model 135-35 or 16mm \$339.00  
Model 116-16 or 18mm 239.00

### NEW! GTC-59

Makes Glass Smoother Than Glass

GTC-59 Glass Treatment Compound

- Water repellent • Anti-Static • Anti-Fog • Cleans & degreases • Leaves a lustrous glaze • Excellent for glass, chrome, plastics, etc.

6 oz. with Spray Applicator \$1.65





# the CAMERA MART inc.

1845 BROADWAY (at 60th St.) NEW YORK 23 • PLaza 7-6977 • Cable Cameramart

at Columbus Circle next to New York's new Coliseum

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**NOW A SUN GUN MOVIE LIGHT YOU CAN USE ANYWHERE!**

**NEW  
BATTERY-  
POWERED  
SUN  
GUN  
30-V**



**And we mean anywhere.** For this new 30-volt battery-powered SUN GUN<sup>®</sup> Movie Light carries its own power source. No worrying about plugging in an electric cord—just hook up this SUN GUN 30-V Movie Light to your camera and shoot away.

**The SUN GUN 30-V Movie Light:** Fits the palm of your hand—attaches to any camera—has a head that tilts for bounce lighting. It's a battery version of the SUN GUN Movie Light Hollywood uses. Bulb life is 12 hours with the Sylvania power pack.

**The power pack:** Measures only 10" square

by 3" wide—has a nickel-cadmium battery sealed in a leakproof case. It's quickly recharged on ordinary house current. An automatic cut-off on the built-in recharger prevents overcharging.

**The complete package:** Weighs only 17½ pounds including battery. Yet pound for pound it outperforms any other battery-powered movie light made.

If you've ever missed a news break—or had to pass up a good location—because there was no power source, this battery-powered SUN GUN 30-V Movie Light is your insur-

ance it'll never happen again. For more information, see your supplier or write Sylvania Electric Products Inc., SUN GUN Customer Service Department, 60 Boston St., Salem, Massachusetts.



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