

Education, Industry News

The American Society of Photogrammetry (ASP), 1515 Massachusetts Ave., N. W., Washington 5, D. C., and the American Congress on Survey and Mapping (ACSM), Room 30, Woodward Bldg., 733 15th St. N.W., Washington 5, D.C., will hold a joint convention March 19-25 at the Shoreham Hotel, Washington D.C. Theme of the joint meeting will be new developments in space mapping. Full size models of recently launched Earth satellites will be on display through the courtesy of the National Aeronautics and Space Agency. Subjects to be covered during the technical sessions will include Automation in Mapping; A Geologic Map of the Moon; Aerial Survey of the Makong River; and New Techniques in Aerial Photography.

Although the convention is held jointly, the time will be divided between the 27th Annual Meeting of the ASP (March 20 through the morning of March 22) and the 21st Annual Meeting of the ACSM (afternoon of March 22 through the afternoon of March 24). Registration for the joint convention (both meetings) begins 5:30 P.M., Sunday, March 19. The convention will close with a dance held Friday evening. ASP Program Chairman is Paul Alban. ASCM Program Chairman is John M. McAlinden.

The 30th Annual Meeting of the Inter-Society Color Council, to be held April 10-12, 1961, in Rochester, N.Y. (*Journal*, p. 46, Jan. 1961), will be followed by the Maxwell Colour Centenary, marked by a Conference arranged by the Colour Group in collaboration with the Inter-Society Color Council and the British Institute of Physics and the Physical Society. The Conference will be held May 16-18, 1961, at the Royal Institution and at the Imperial College of Science and Technology, South Kensington, London, S.W.7. This meeting will be followed by the International Colour Meeting to be held May 23-26, 1961, at Düsseldorf, Germany.

The London Conference commemorates the date of May 17, 1861, when James Clark Maxwell gave his famous demonstration of trichromatic color reproduction at the Royal Institution in London. Subjects for discussion for the three-day Conference will include Trichromatic Principles, Color Reproduction, and Color Appearance. Further information is available from The Institute of Physics and the Physical Society, 1 Lowther Gardens, Prince Consort Road, London, S.W.7, England.

Theme of the International Colour Meeting at Düsseldorf will be Practical Applications of Colour Science. Main topics of discussion will be Color Metrics, Physiology, Psychology, Esthetics; Color Techniques; and Color Education, Documentation.

The Annual Convention of the Society of Photographic Scientists and Engineers will be held May 22-26, 1961, in Binghamton, N.Y. Main emphasis of the technical program will be on recent advances in color and black-and-white photography. Many papers will deal with photographic applications to space technology. A few representative papers selected from those scheduled

for presentation are "Enhancement of Print-Out Effect by Bathing Treatment," by Yoshitada Tomoda, Japanese Government Research Institute, Tokyo; "Standardization of the Correct Exposure of Color Reversal Films Under the Aspect of the Probability Theory," by W. Behrend, Agfa Research Laboratories; "The Contrast Transmission of a Sinusoidal Signal of Large Amplitude by Photographic Means," by Henri Thiry, University of Liège, Belgium; "Effect of Temperature of Exposure on Photosensitivity and the Rate of Development," by T. H. James, Eastman Kodak; and "The Electrolytic Removal of Thio-sulfate from Processed Photographic Papers," by R. E. Rice, Anso. General Program Chairman is M. G. Anderson, Director of Operations and Product Technology, Anso Div., General Aniline & Film Corp., Vestal Pkwy. East, Binghamton, N.Y.

The IRE has been awarded a grant of \$10,000 by the National Institutes of Health and a grant of \$5000 by the National Science Foundation for the support of the 4th International Conference on Medical Electronics (*Journal*, p. 48, Jan. 1961). The Conference will be held July 16-21 at the Waldorf Astoria Hotel, New York. The preceding conferences were held in London, 1960, and in Paris, 1958 and 1959. Associated with the Conference will be an Exhibition to display techniques and equipment in the medical electronics field.

A symposium on the technical aspects of sound and sound equipment application in industrial and educational motion pictures, television and radio, sponsored by Behrend Cine Corp., 161 E. Grand Ave., Chicago 11, will be held March 30-31 at the St. Clair Hotel in Chicago. Fifteen experts on sound and film will present papers on various topics including recorder and microphone types and characteristics, recorder accessories and associated equipment, synchronizing methods, power supplies, testing methods and audio equipment.

The Convention on Television and Film Techniques, jointly sponsored by the British Kinematograph Society and by the (British) Television Society will be held April 20-21, 1961, at the Institution of Electrical Engineers, Savoy Place, London W.C.2. The opening address will be delivered by Sir Harold Bishop, Director of Engineering, BBC. Papers scheduled for the technical program include (April 20) "The Use of Videotape for Colour Television Recording," by J. Roizen, Ampex International, S.A., Switzerland; "Viscomatic Processing," by B. J. Davies, Kodak Ltd.; "Recent Progress in the SECAM FM Colour Television System," by J. Polonsky and M. M. Sauvanet, Compagnie Générale de Télégraphie sans Fil; "Thermoplastic Recording," by W. E. Glenn, GE Research Laboratories, Schenectady, N.Y.; on (April 21) "The Eidophor," by Prof. E. Baumann, Institut für Technische Physik der ETH, Zurich, Switzerland; "Technical Requirements of Systems and Film for Colour Television," by T. G. Veal and F. A. Richey, Eastman Kodak Research Laboratories, Rochester, N.Y.; "Colour Television Engineering: Studio Problems and Tech-

niques," by A. R. Stanley and J. Treays, BBC; "Colour Television Engineering: Equipment Problems and Techniques," A. R. Stanley and S. N. Watson, BBC.

Registration fee is £3 3s 0d. A few extra Reservation Forms, Hotel Reservation Forms and Programs were sent to the SMPTE Editorial Office and will be made available upon request as long as the supply lasts.

The 31st Annual Meeting of the Biological Photographic Association will be held August 21-24, 1961, at the Pick-Congress Hotel, Chicago. In charge of the papers planned for presentation is Jack P. de Bruin, Presbyterian-St. Luke's Hospital, Dept. of Photography, 1753 W. Congress Parkway, Chicago 12. Mervin W. LaRue, Sr., is Vice-President and General Chairman.

The 5th Midwest Symposium on Circuit Theory, sponsored by the IRE Professional Group on Circuit Theory, will be held May 7-8, 1961, at Allerton Park and the Urbana Campus of the University of Illinois. The Symposium will be devoted exclusively to contributions in network topology and graph theory, including analysis and synthesis applications in active and passive networks, information networks, switching circuits, and related topics.

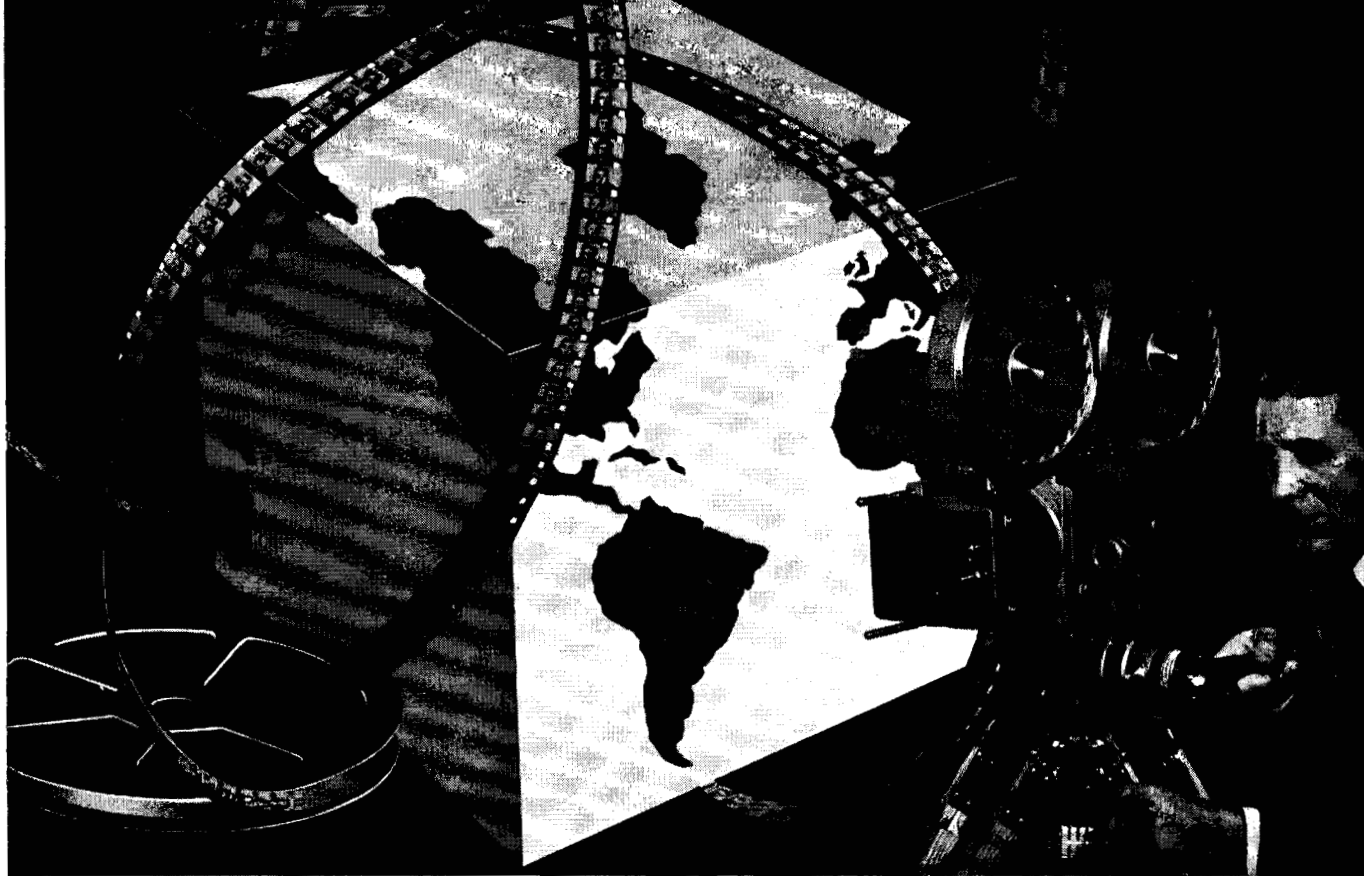
An International Symposium on the Transmission and Processing of Information will be held September 6-8, 1961, at the Massachusetts Institute of Technology, sponsored by the IRE Professional Group on Information Theory in cooperation with the Center of Communication Sciences, Research Laboratory of Electronics, MIT. The purpose of the Symposium will be to provide opportunity for presentation of significant research contributions of either a theoretical or experimental nature. The program is being planned specifically for active specialists in the field. Program Chairman is Peter Elias, RLE, MIT, Cambridge 39, Mass.

The Society for Visiting Scientists (SVS), 5 Old Burlington St., London W.1, was established during World War II to provide a meeting place for foreign scientists and British Scientists. The Society provides club and restaurant facilities and overnight accommodations for a limited number of visitors. The SVS is also headquarters for the Overseas Science Students Association. President of the Society is Professor A. V. Hill. Further information is available from the Assistant Secretary, Miss E. Simpson, at SVS headquarters.

Announcement of the purchase of 650 Altec Lansing Voice of the Theater speaker systems by Cinerama, Inc., has been made by Altec Lansing Corp., of Anaheim, Calif. The systems are to be installed in 50 new Cinerama theaters and each theater will contain a set of 13 speaker systems consisting of the basic A4 and A7 systems.

NEWS

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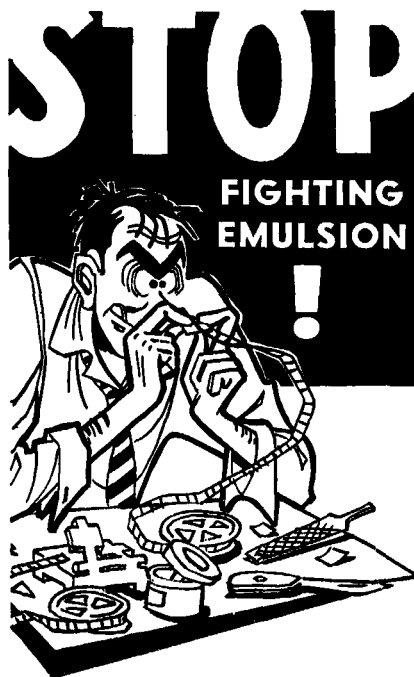
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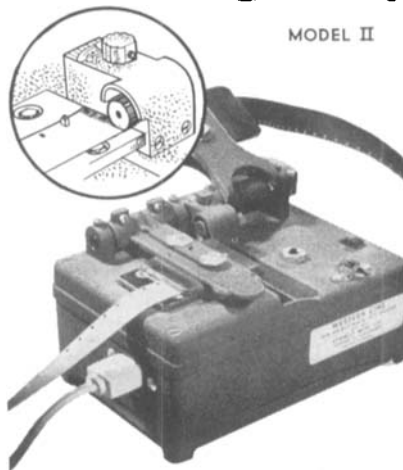


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Equipments exhibited by Marconi's Wireless Telegraph Co. at the Second Industrial and Television Exhibition, held in London in November, included the Marconi-Siebe, Gorman underwater television camera. There was also a selection of closed-circuit television units and accessories. The underwater camera is designed to be handheld and can be buoyancy-adjusted for virtual weightlessness under water. Overall dimensions are 3 ft by 2 ft, 3 in. The closed-circuit equipment exhibited included a camera Type 4339A, lens turret, weatherproof housing and an industrial synchronizing generator.

Biographical Note



Fred E. Altman

Retirement of Fred E. Altman, Assistant Director of Optical Design for the Apparatus and Optical Division of Eastman Kodak Co., has been announced.

Widely known as an authority on optical design, he is a Fellow of the Society and his interests during his 45-year career with Kodak have been reflected in papers published in the *Journal*. He presently holds more than 40 U.S. Patents in the field of optical design. As early as 1934 he was engaged in the development of a lens for the "the so-called wide film . . . 70mm" ("A Revolving Lens for Panoramic Pictures," by F. Altman, *Jour. SMPE*, 24: 383-394, May 1935).

With the Kodak Lens Design Department during World War I, Mr. Altman was engaged in designing optics for gun-sights and for the new field of aerial photography. During World War II, with the same department, he again worked on military optics, participating in the development of a telescopic tank sight in the short space of three weeks. Among Mr. Altman's inventions and the developments on which he worked is the *f*/1.9 Cine lens which has been continuously manufactured for 35 years.

Other interests of Mr. Altman's described in *Journal* papers include "An Optical System for the Reproduction of Sound From 35mm Film (co-author, J. H. McLeod), *Jour.*, 37: 36-45, July, 1938, and "35mm to 16mm Sound Reductions printer." (co-authors, C. W. Clutz and J. G. Streiffert) *Jour.*, 52: 669-675, June 1949.

Mr. Altman's retirement plans include further studies in optics, and a number of recreational activities including golf, wood-working, mountain hiking and photography.

Abstracts

Abstracts from other Journals, chosen for importance and timeliness, are published in the *Journal* from time to time. The greater numbers of these abstracts are translations, chiefly from the U.S.S.R., and made available by the *Kodak Monthly Abstract Bulletin*

The subject areas are grouped below

- High-Speed Photography and Instrumentation
- Printing and Optics
- Projection
- Sensitometry and Image Structure
- Sound Recording and Reproduction
- Television

**HIGH-SPEED PHOTOGRAPHY
AND INSTRUMENTATION**

Light Sources and Shutters for High-Speed Photography and Cinematography. (in Russian), V. G. Pell', *Tekh. Kino i Televideniya*, 4: 79-86, June 1960.

Western developments in spark, flash and discharge lamps and in Kerr-cell, Faraday and other high-speed shutters are reviewed.—S.C.G.

New Flash Lamps (in Russian), I. S. Marshak, V. I. Vasil'ev, A. I. Mironova, V. P. Ivanov and R. G. Vdovchenko, *Uspekhi Nauch. Fotografii*, 6: 43-52, 1959.

The characteristics of a number of flash-discharge tubes now being produced in the Soviet Union are described, and an attempt is made to classify them.—S.C.G.

Physical Mechanism of the Discharge in Tubular Electronic Flashlamps and Their Loading Limits (in Russian), I. S. Marshak, *Uspekhi Nauch. Fotografii*, 6: 16-26, 1959.

An analysis is made of the conditions during the quasistationary state of the discharge in an electronic flashtube when a large current is flowing. The theory of the striking of the discharge by the application of the small, high-frequency pulse is discussed. Formulas are worked out for the limiting loads set by the incipient destruction of the glass or quartz envelope.—S.C.G.

Study of the Brightness of a Flash-Discharge Channel (in Russian), K. S. Vul'fon and F. A. Charnaya, *Uspekhi Nauch. Fotografii*, 6: 27-30, 1959.

The variation of the maximum brightness of the discharge in an electronic flashtube filled with different gases, as the pressure and electrical parameters are varied, is studied experimentally.—S.C.G.

Spectral Characteristics of Electronic Flashtubes (in Russian), B. M. Vodovatov and M. I. Epshtein, *Uspekhi Nauch. Fotografii*, 6: 35-42, 1959.

The method of testing of a number of Soviet-produced electronic flashlamps is described. The relative spectral-energy densities of the lamps are tabulated, and, for one of the lamps, a table gives the variation of the relative spectral-energy