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section reports



A talk on "Visualizing Technical Presentations" was given for the May 5 meeting of the **Atlanta Section** by Norman E. Salmoms and Willard Libby, manager and assistant manager respectively of the Eastman Kodak Company Audio-Visual Service in Rochester, N.Y. The meeting was held at the Kodak offices in Chamblee, Ga.

The presentation covered planning, storyboarding, production of graphics and photography of audio-visuals. A question-and-answer session followed the formal presentation.—Lloyd A. Armbruster, *Secretary-Treasurer*, c/o Eastman Kodak Co., 4729 Miller Dr., Chamblee, Ga.

The Metro-Kalvar dry photographic system was described for members and guests of the **Atlanta Section** on June 23 by Noel R. Bacon and Robert B. Lindemeyer of Metro-Kalvar, Inc. Thirty persons attended the meeting at Station WSB-TV.

In their status report, Messrs. Bacon and Lindemeyer noted that a printer-developer unit for the heat-developable motion-picture print film is being readied for the market. A tour of the studio facilities followed the presentation.—Lloyd A. Armbruster, *Secretary-Treasurer*, c/o Eastman Kodak Co., 4729 Miller Dr., Chamblee, Ga.

The use of photography in the evaluation of Air Force tactical weapons was discussed before the April 18 meeting of the **Cape Kennedy Section**, at Cape Colony Inn in Cocoa Beach.

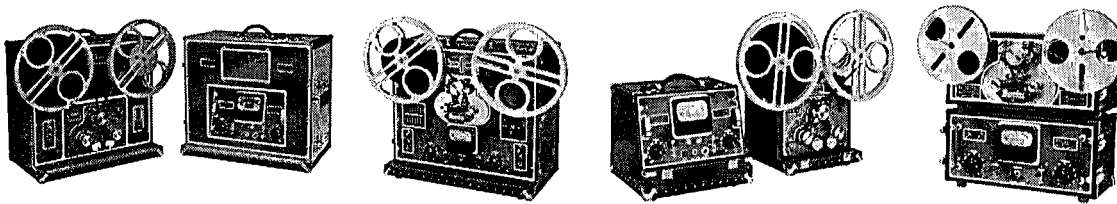
The many problems encountered in filming the tests were outlined by Col. James P. Warndorf, Air Pictorial Charting Service, who presented a color film on the testing program. A social hour preceded the meeting, which was attended by 42 members and guests, and Col. and Mrs. Warndorf were honored at dinner afterwards.—W. G. Wiest, *Secretary-Treasurer*, 122 No. Indian Hill Circle, Cocoa, Fla.

Films on a "Simplified Operations Test" for television and "Lighting for Television," both supplied through the courtesy of Joseph A. Flaherty, Jr., of CBS Television, were shown at the May 16 meeting of the **Cape Kennedy Section**. Thirty-two persons attended the meeting at Patrick Air Force Base.—W. G. Wiest, *Secretary-Treasurer*, 122 No. Indian Hill Circle, Cocoa Fla.

Some 110 persons attended the June 9 meeting of the **Chicago Section** to hear representatives of the Eastman Kodak Co. present papers on 8mm film from the program of the Society's 95th Technical Conference. A pre-meeting film was made available through the courtesy of Modern Talking Picture Service and the General Motors Photographic Division. The meet-

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ing was held in the Beaubien Room of the Prudential Building.—Jack Behrend, *Secretary-Treasurer*, c/o Behrend's Inc., 161 East Grand Ave., Chicago, Ill.

Reports on the Society's 95th Technical Conference and the recent convention of the National Assn. of Broadcasters were given at the May 19 meeting of the **Denver Section**, at Western Cine Service.

The report on the SMPTE conference was given by John I. Newell of Western Cine Service; the NAB report, by Sidney Davidson of Station KOA. The reports were followed by a showing of the CINE-award winning production, *Not Without*

Hope, which was produced by Marshall L. Faber, a Manager of the Denver Section.

The meeting, which was attended by 31 members and guests, was followed by a social hour.—Sidney Davidson, *Secretary-Treasurer*, 2424 So. Dahlia St., Denver 22, Colo.

A lecture/demonstration on "Lens Testing in the Field" was presented by Jack Behrend of Behrend's, Inc., Chicago, at the June 16 meeting of the **Denver Section**. The meeting at Western Cine Service was attended by 26 persons.

After demonstrating lens aberrations with a projector, Mr. Behrend used a

collimator to check lenses brought by the members. The meeting concluded with a social period.—Sidney Davidson, *Secretary-Treasurer*, 2424 So. Dahlia St., Denver 22, Colo.

Three speakers were featured at the May 19 meeting of the **Hollywood Section** at M-G-M Studios, and 300 members and guests attended.

The speakers were Preston Ames, who read a paper by Arnold Gillespie of M-G-M on a new rear-projection process; Wadsworth Pohl of Technicolor Corp., who spoke on the production of 70mm prints from 35mm anamorphic negatives, and Sidney P. Solow of Consolidated Film Industries, who described a universal 35mm format. The papers by Messrs. Gillespie and Solow were on the program of the 95th Technical Conference.

A pre-meeting dinner was attended by 30 members.—James W. Kaylor, *Secretary-Treasurer*.

The **Hollywood Section** met jointly with members of the Audio Engineering Society June 16 at Founders Hall of the University of Southern California. The meeting, which was preceded by a dinner, was attended by 350 persons.

Speakers for the evening were Wayne R. Johnson and Richard V. Roelofs of Winston Research Corp. (subsidiary of Fairchild Camera and Instrument Corp.), who described the development of a fixed-head $\frac{1}{4}$ -in. TV tape recorder, and Donald G. Perrin of the USC cinema department's research division, who spoke on simulators and teaching machines. The USC mobile testing laboratory was open for inspection at the meeting.—James W. Kaylor, *Secretary-Treasurer*.

A film and commentary on the 1964 Calvin Workshop was presented at the May 21 meeting of the **Huntsville Section** by William D. Hedden, vice-president of Calvin Productions, Inc. The meeting and social period at the Redstone Arsenal Officers Club was attended by 141 members and guests.—Edith R. Deavers, *Secretary-Treasurer*, 3213 Cerro Vista St., Huntsville, Ala.

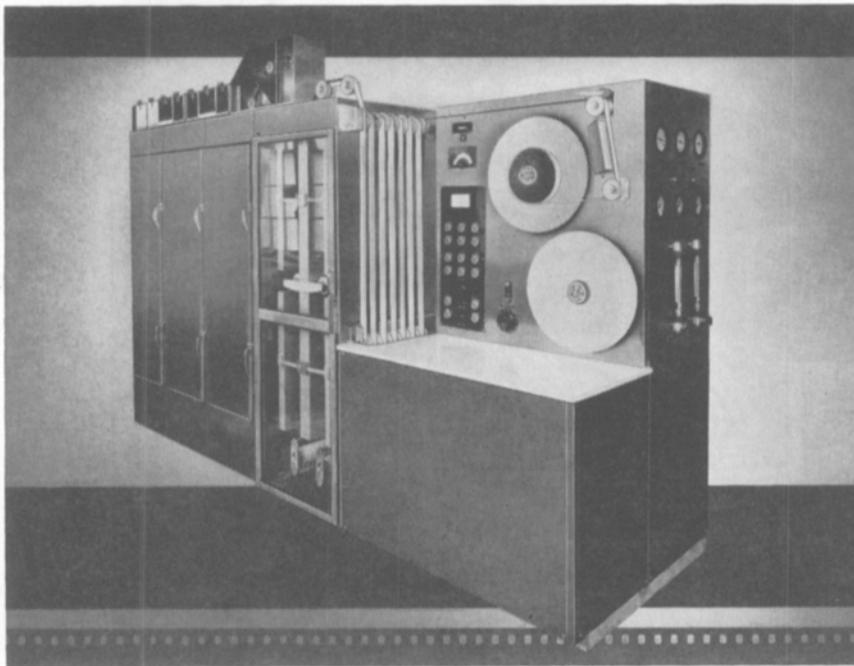
A summary of recent meetings of the **New York Section**:

March 12, World Affairs Center: Talk by Daan Zwick of the Kodak Research Laboratories on grain in color film, attended by 150 members and guests.

April 25, General Motors Pavilion at the World's Fair: Tour of audio-visual installations, attended by 200 persons.

May 10, World Affairs Center: Paper by Bruce Hill of Mitchell Camera Corp. on the new Mitchell SSR-16 camera, attended by 175 persons.

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May 26, World Affairs Center: Four papers originally presented at the 95th Technical Conference: "Automation for 8mm Single-System Sound," Hans Napfel, Fairchild Camera and Instrument Corp.; "Format Factors Affecting 8mm Sound Print Quality," E. A. Edwards and J. S. Chandler, Eastman Kodak Co.; "Economic 8mm Commercial Prints," C. Loren Graham and Willis L. Stockdale, Eastman Kodak Co., and "The Performance of Photographic Soundtracks on Eastman Color Print Film, Type 5385, With Special Reference to 8mm Usage," J. G. Streiffert and J. F. Finkle, Eastman Kodak Co.

June 10, TNT Electronics Center:

Workshop session on Color Eidophor presided over by Gene Warren, attended by 200 members and guests.—Robert E. Burns, *Secretary-Treasurer*, 149 Durie Ave., Englewood, N.J.

The preparation and distribution of sponsored films was outlined at the April 16 meeting of the **Rochester Section** by Carl H. Lenz, executive vice-president of Modern Talking Picture Service, Inc. Mr. Lenz gave particular attention to the use of computers in the analysis of audiences and their reactions. The meeting was held at Memorial Art Gallery.—Allan L. Williams, *Secretary-Treasurer*, 92 Old North Hill, Rochester 10, N.Y.

The **Rochester Section**, the **Rochester Institute of Technology Student Chapter** and the RIT chapter of Delta Lambda Epsilon photographic society met jointly May 22 at RIT to hear three prize-winning papers by the students.

First place was taken by R. A. Eynard, J. A. Langone and J. S. Wilson for "A Proposed Color Radiograph System for Radiodontics."

The second and third-place winners were, respectively, "Investigation of Effects of pH, Ionic Strength, and Drying Temperature on Dimensional Stability of Fine Grain Printing Films," by H. A. Parsonage and G. Pittman, and "Use of the Color Gamut of an Inkset in Selection of Process Inks," by M. L. Pearson. Receiving honorable mention was "A Determination of Stresses Produced on a Material Acted Upon by a Cutting Tool Through Photo-Elastic Stress Analysis," by W. Kinney.

The prizes were donated by DLE and the SMPTE Student Chapter.

The papers were presented after remarks by Student Chapter President Jerry G. Hughes, DLE President T. Barber, and Forrest A. Richey, representing the Rochester Section.

Highlights of other meetings of the RIT Student Chapter this year: April 2, talk on "Nontheatrical Film Production" by John Flory of Kodak; April 15, demonstration of new Kodak drum processing machine for Ektacolor paper; April 23, paper on "Agitation Studies Using Developer Fluorescence Under Ultraviolet Radiation" by W. C. Snyder and R. A. Shottmiller of Kodak; May 6, paper on "Principles of Film Processing" by Pete Kao of Kodak.

Elected Student Chapter officers for 1964-65 were Britton G. Hopkin, chairman; Lawrence Feig, secretary-treasurer, and Donald R. Zimmerman, program chairman.—Allan L. Williams, *Secretary-Treasurer*, 92 Old North Hill, Rochester 10, N.Y., and Lawrence Feig, *Secretary-Treasurer-Elect*, RIT Student Chapter.

Forty-six members and guests of the **San Francisco Section** were told of recent advances in fiber optics at the May 8 meeting, held at the Lockheed Co. in Palo Alto.

The speaker was Dr. N. S. Kapany, who described applications of fiber optics in such fields as medicine, photography, spectroscopy, and process control. Also described were waveguide effects in both "active" and "passive" fibers, and the mode propagation phenomenon in dielectric waveguides.—Lawrence Weiland, *Secretary-Treasurer*, c/o Ampex Corp., 2385 Bay Rd., 8-12, Redwood City, Calif.

Joseph Roizen of Ampex Corp. outlined the development of the VR-2000 videotape recorder for the June 11 meeting of the **San Francisco Section**. The meeting at Ampex in Redwood City was attended by 42 persons.

A lively question-and-answer session followed Mr. Roizen's presentation. The members and guests were given dinner through the courtesy of Ampex.—Lawrence

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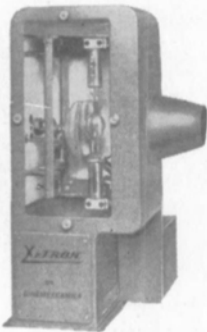
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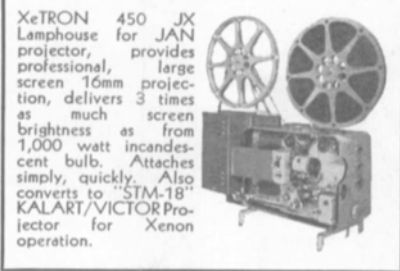
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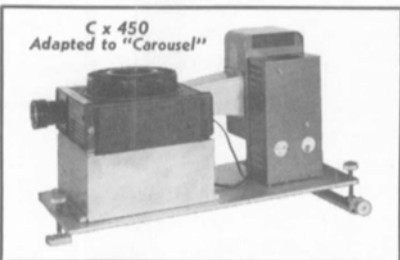


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Weiland, *Secretary-Treasurer*, c/o Ampex Corp., 2385 Bay Rd., 8-12, Redwood City, Calif.

The Electronic-Cam system of producing motion pictures for television was discussed for the April 30 meeting of the **Toronto Section** in a paper by Alfred Jetter, Bavaria Atelier G.m.b.H., Munich-Geiselgasteig, Germany. The meeting at Pathé DeLuxe Laboratories was attended by 120 members and guests.

Mr. Jetter's paper, which had been presented at the 95th Technical Conference, was read by Lou T. Wise, and the question-and-answer session was conducted by Mr. Jetter through three interpreters who specialize in different branches of the industry.

As an introduction to Mr. Jetter's paper, Hellmut H. Berger of CFTO-TV gave an

illustrated talk on the historical background of combined TV and film systems, such as those of Dumont and M-G-M.

Another feature of the program was a report by SMPTE Governor Roger J. Beaudry.—Maurice French, *Secretary-Treasurer*, 32 Dallington Dr., Willowdale, Ont.

Properties of Soundcraft Type 302 video recording tape were described for the May 13 meeting of the **Washington Section** at the Walter Reed Officers Club. The speaker was Edward Schmidt of Reeves Soundcraft Corp., Danbury, Conn.

Among the 43 members and guests at the meeting were representatives of the Federal Photographers Assn. and the Biological Photographic Assn. The meeting was preceded by a buffet dinner.—H. Paul Christman, *Secretary-Treasurer*, 5102 Danbury Rd., Bethesda, Md.

Abstracts

Abstracts of papers appearing in other journals, chosen for their importance and timeliness, are published in the *Journal* from time to time. Most of these abstracts are translations, chiefly from the U.S.S.R., and are made available to the *Journal* by the Research Laboratories of the Eastman Kodak Company. As a rule, translations are made of the foreign language abstracts, not of the paper itself. The respective complete original texts can be consulted at some libraries. Current issues of *Tekh. Kino i Telev.* can be consulted at, or borrowed from, the Society's Headquarters Office; also of possible interest to some readers may be three papers which have been translated from the Russian and are available as manuscripts on loan from Society Headquarters:

(1) L. G. Golshstein, I. Ya. Levin and T. I. Maksimov, "Optical printer," *Tekhnika kino i telev.*, 3, No. 10, 58-62 (1959).

(2) M. M. Lisogor, "The 'Rossiya' Universal Cine Theater," *Tekhnika kino i telev.*, 6, No. 5, 1-8, (1962).

(3) I. B. Gordiichuk, "The present state of the manufacture of cine apparatus in the USSR," *Tekhnika kino i telev.*, 6, No. 5, 3-19, (1962).

Those requiring definitive and thorough searches of current literature and patents are referred to *ABSTRACTS of Photographic Science & Engineering Literature (APSE)*, published monthly by the Engineering Index, Inc., 345 East 47 St., New York, N.Y. 10017, with the editorial cooperation of the Society of Photographic Scientists & Engineers.

The subject areas are grouped below:

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Miscellaneous Apparatus
Photographic Theory and Materials
Physics and Chemistry
Printing Equipment, Enlargers
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Projectors and Viewers
Radiography and Nuclear Photography
Sound Recording and Reproduction
Special Applications

CAMERAS

Arriflex 16M (Test Report), K. Morcman, *Film user incorporating Industrial screen*, 18: xvi-xviii, Mar. 1964.

The Arriflex 16M 16mm motion-picture camera is a modified version of the standard Arriflex camera, for use solely with film magazines, of capacity 200, 400 and 1,200 ft. The 200- and 400-ft magazines contain gear-driven, sprocketed, feed and take-up mechanisms and are of the single-compartment type, accepting 200- and 400-ft darkroom reloads on plastic cores or 100- and 200-ft daylight loading spools. The 1,200-ft, double-compartment magazine has feed and take-up alongside each other on a common axis. The 16M camera head is reduced in size and the reflex finder prism has been moved from inside the camera onto the double-hinged door. A 50-cycle signal generator is incorporated into the camera and can be used for an automatic electric slate system. Synchronous sound recording with a ¼-in. tape recorder is possible.—N.W.

An original camera for cinemicrography in fast or slow tempo (in Flemish), M. Sebruyns, *Natuurw. Tijdschr.*, 44: 96-99, No. 4-5, 1962; *Referativnyi Zhur.*, *Fotokinetika*, Abstract No. 10.46.251, 1963. (Title only.)

Photographic camera (British Pat. 951,419), E. Hahn; assigned to Veb Kamera und Kinowerke Dresden, filed Sept. 15, 1961; 2 pp., 1 plate.

A ciné camera is described in which automatic exposure control is provided by a diaphragm controlled by a galvanometer in series with a photosensitive resistor and a battery. For manual control