

trademark, and began to enter salons and photographic competitions in England, France, Germany, Switzerland and the United States.

He turned his attention to the technical side of the motion-picture industry, with the opening of Film Center, a large scale enterprise which launched major motion-picture colour processing in India.

His crowning achievement was the beginning, last year, of construction of the Patel Industrial Center, for the manufacture of cameras, projectors, tape recorders, and view-master stereoscopes.

Through inexpensive box cameras, now being produced at the rate of 50,000 a year, Patel hoped to put his beloved hobby within reach of most of his countrymen.

section reports



The Chicago Section met on June 20 at International Harvester's Hickory Hill Farm in Norway, Ill., with an attendance of 120. Guest speakers were from International Harvester: William Lane, Assistant Manager, Consumer Relations Dept.; and Harold F. Claus, General Supervisor of Visual Services.

Forty members and guests traveled to the Farm by chartered bus while an additional 80 persons went by private automobiles. At the Farm the group toured the grounds which comprises a 340-acre motion picture location. Following the tour, dinner was served at the Prairie Lake Hunt Club. After dinner the group returned to the Farm for a tour of the motion-picture studio facilities.

At the conclusion of the tour, the group assembled on the sound stage to hear a word of welcome from Mr. Lane. Mr. Claus later described the activities of IH's Film Department. The meeting ended with the screening of a film produced by International Harvester in cooperation with the U.S. Department of Interior.—*Philip E. Smith*, Secretary-Treasurer, c/o Kodak Processing Lab., 1712 Prairie Ave., Chicago, 16.

The Hollywood Section met on June 20 at KNXT Studio B with an attendance of 100. Due to the limited seating capacity of the studio, the meeting was open only to SMPTE members.

Section Chairman Ralph E. Lovell opened the meeting with a dissertation on the objectives, organization and growth of SMPTE. He was followed by Walter Beyer, Chairman of the SMPTE Film-Projection Practice Committee, who made a brief announcement regarding 70mm projection in drive-in theatres. Mr. Beyer is a member of the Board of Managers of the SMPTE Hollywood Section.

Later in the evening, Ed Miller and Bob Gross, Director and Engineer-in-Charge of KNXT Technical Operations respectively, presented a description of the new KNXT technical facilities, illustrating the latest concept of television plant design incorporating semiautomatic devices.

A pre-meeting dinner held at the Nickodell Restaurant was attended by 35 persons.—*John Kiel*, Secretary-Treasurer, c/o Producers Service Co., 820 South Mariposa St., Burbank, Calif.

The New York Section met on June 14th at Reeves Sound Studios with an attendance of 150.

Chet Stewart, President of Reeves Sound Studios, welcomed the group and outlined the "open house" procedure of the evening. Then he showed a TV tape on two monitors. The tape demonstrated soundtrack mixing operations, particularly on the Winston Churchill and Twentieth Century TV Series.

After the tape show, the Section members were escorted in groups of twelve throughout the five floors of the Studios. Mr. Stewart was assisted by a staff of ten which gave detailed answers to hundreds of questions on a variety of subjects, both technical and administrative.

On view, at close range, was the elaborate audio and video equipment used at Reeves for recording or dubbing video and sound. The equipment was not operated or demonstrated.

Our hosts for the evening were Mr. Stewart and Bob Byloff.—*Peter Keane*, Secretary-Treasurer, Screen Gems, Inc., 711 Fifth Avenue, New York.



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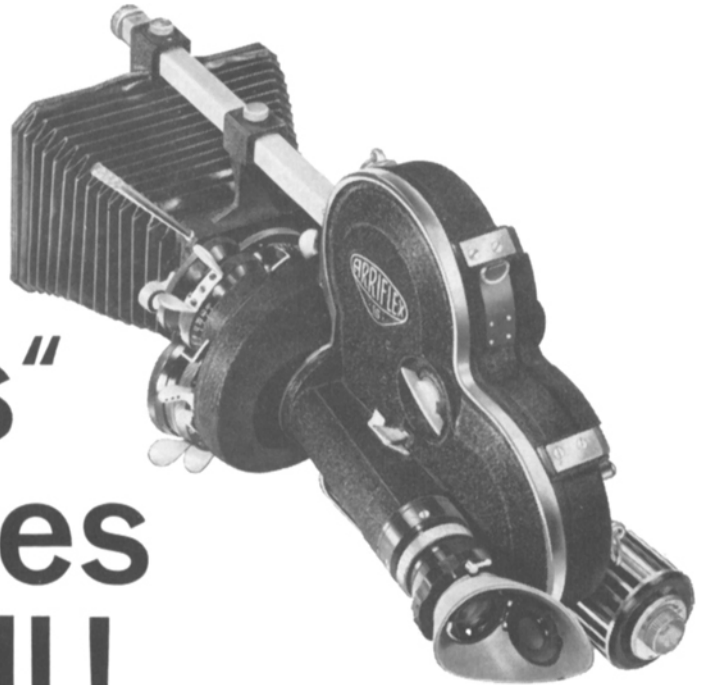
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The May 25 meeting of the Rochester Section, held at the Dryden Theatre, Eastman House, featured the reading of award winning papers prepared by members of the SMPTE Student Chapter and Delta Lambda Epsilon, photographic fraternity of Rochester Institute of Technology.

This was the second year of competition in which these two student organizations submitted papers both for course credit and for judging by an SMPTE panel. (Last year's top local student paper placed first in the Society's Student Competition.)

This year's first place award went to Cortland "Corky" Burt of Olean, and Richard Banks of Davenport, for their co-authored paper on high-speed processing of color negatives, suggesting a technique whereby film could be processed in about one-tenth of the time currently required by conventional processing.

Frank Cicha, Jr., Chicago, and Richmond C. Beach, Livonia Center, received honorable mention for their papers which compared the relative merits of two methods of making color prints from color transparencies.

Honorable mention was also given to Richard Walker of Brooklyn for his description of a unique densitometer which he designed and built.

Rudolf Kingslake, Director of Optical Design, Eastman Kodak Company, presented the awards.

The papers were judged by Wilbur G. Hill, Manager, Mechanical Development



First Prize winners in Rochester student competition Cortland Burt and Richard Banks; Richard Walker, who received Honorable Mention; Rudolf Kingslake, Director of Optical Design, Eastman Kodak Co., who presented the awards; and Frank Cicha, Jr. and Richmond C. Beach, both awarded Honorable Mention.

and Machine Design, Ansco; John Desauer, Director of Research, Haloid-Zerex, Inc.; and George Higgins, Associate Head, Physics Division, Eastman Kodak Company.

This meeting afforded the winning students experience in the formal presentation of scientific accomplishments to the photographic industry. The calibre of the papers was high, marking as it did,

the culmination of four years exhaustive study of photographic science and techniques.—D. Lisle Conway, Secretary-Treasurer, Maple Hill Farm, R.D. 2, West Monroe, N.Y.

The San Francisco Section met on April 11 at KGO-TV Studio A. Guest speaker Norwood L. Simmons discussed the use of 16mm film in entertainment television. Dr. Simmons, Past-President of SMPTE, is Manager of the West Coast Division, Motion Picture Film Dept., Eastman Kodak Co.

Accompanied by charts and motion pictures, the speaker's examination of the important role of 16mm films in professional entertainment was very well presented.

While Dr. Simmons pointed out that 35mm film is generally considered the leading medium in the entertainment field, the unique adaptability of 16mm film to the television field has increased the popularity of that film. He showed that special techniques possible with 16mm are not possible with 35mm film.—Clifton R. Skinner, Secretary-Treasurer, c/o Skinner, Hirsch & Kaye, 336 Funston Ave., San Francisco 8.

The San Francisco Section met on May 9 at KGO-TV Studio A to hear Christ J. Condon, President of Century Precision Optics Co., North Hollywood, discuss "Telephoto and Long Focal Length Lenses."

Mr. Condon gave detailed descriptions of the problems in making telephoto lenses and their uses. He presented a picture which added interest to his talk. While his subject was quite technical everybody seemed to understand the subject. This was evidenced by the barrage of questions which followed after this meeting. He demonstrated principles with lenses produced by his company.

Since lenses are equally important to the television and motion-picture industries, this meeting had general membership appeal.



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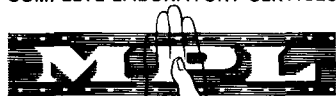
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For the first time the Section meeting was opened with a short film. It was about Eastman's E 910 adhesive cement. Sample bottles of the cement were distributed and provoked some discussion after the screening.—Clifton R. Skinner, Secretary-Treasurer, c/o Skinner, Hirsch and Kaye, 336 Funston Ave., San Francisco 8.

The San Francisco Section met on June 13 at KGO-TV Studio A with an attendance of 36. Guest speaker was Joseph Roizen who spent one year in Europe inspecting Ampex Video-Tape Machines.

Mr. Roizen, who was accompanied to Europe by his family, told of many interesting experiences and illustrated his talk with motion pictures. He showed films of the Olympic games in Italy and several video-tape machines from different countries.

This was one of the most entertaining evenings that we have had and the Section is deeply appreciative of the time and effort that Mr. Roizen and his wife contributed to make it so.—Clifton R. Skinner,

Secretary-Treasurer, c/o Skinner, Hirsch & Kaye, 336 Funston Ave., San Francisco 8.

The San Francisco Section met on July 11 at the University of California, Berkeley. The interesting and informative meeting on Problems and Solutions of Television in the Educational Field was arranged by Al Isberg and Ken Winslow.

Mr. Isberg's report on the progress being made in this field was based on information he had collected during an eastern tour of educational institutions. His discussion was illustrated with 16mm films showing instructive television.

Bill Palmer displayed his latest Motion Picture Video Camera following Mr. Isberg's talk. There was great interest in this piece of equipment, the showing of which had not been previously announced.

Prior to the meeting, the group attended a social hour and dinner hosted by Mr. and Mrs. Isberg at the faculty club house.—Clifton R. Skinner, Secretary-Treasurer, c/o Skinner, Hirsch & Kaye, 336 Funston Ave., San Francisco 8.

Abstracts

Abstracts from other Journals, chosen for importance and timeliness, are published in the *Journal* from time to time. The greater number 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

- Aerial Photography
- Cameras and Equipment (Except High-Speed)
- Color Photography and Color Development
- Film and Its Properties
- Film Processing Apparatus and Chemicals
- High-Speed Photography and Instrumentation
- Printing and Optics
- Projection Light Sources and Screens
- Sound Recording and Reproduction
- Television
- Video Tape

AERIAL PHOTOGRAPHY

Processing High-Speed Panchromatic Aero Films (in Russian), K. I. Markhilevich, V. L. Abritalin and (Pt. I) I. I. Pyatkin, *Trudy Vsesoyuz. Nauch.-Issled. Kinofotoinst.*, pp. 110-125, No. 35, 1960; *Tekh. Kino i Televideniya*, 4: 92, Nov. 1960.

I. Processing Conditions of Aero Film in a Manually Operated Developing Machine: A review is made of the literature on the influence on the degree of development of panchromatic aero film on resolving power. A formula is proposed for the relation between the time of development and the length of the film, and the results of a test on the influence of the speed of rewinding on the sensitometric values are given.

II. The Cyclic Development of Aero Film: In order to obtain proportional increase in the coefficient of contrast and speed with a permissible fog value, the

method of cyclic development has been proposed for the PP-4M manual developing machine. It has been shown that the method of cyclic development gives positive results in increasing film speed and uniformity of development along the length of the film.

III. The Method of "Starved" Development of Aero Film: A sensitometric study has been made of "starved" development of films under laboratory conditions, in which the quantity of developer is sufficient to develop the weakly exposed parts but insufficient for the strongly exposed parts, so that the latter do not completely develop. Formulas are given for the starved-development method under laboratory conditions. It is shown that the method makes it possible to increase the film speed in comparison with the usual method of development (at a single value of gamma); to increase photographic latitudes; and to increase the maximum density. Some growth in fog and an increase in the time of development are mentioned as disadvantages of the method—S. C. G. (Translated from *Tekh. Kino i Televideniya*.)

CAMERAS AND EQUIPMENT (Except High-Speed)

Electricity Supply Conditions for Spotlights During Shooting of Motion-Picture Films (in Russian), S. Kh. Nazarov, *Tekh. Kino i Televideniya*, 4: 52-57, Nov. 1960.

New Techniques in the Mosfilm Motion-Picture Studios in 1960 (in Russian), G. I. Khazanov, *Tekh. Kino i Televideniya*, 4: 66-69, Nov. 1960.

The experiences of the Mosfilm studio during the production of films by new techniques, particularly wide-screen cinematography with 70mm film, are discussed.—S.C.G.