

section reports



The Atlanta Section met on March 8 at the Kodak Processing Laboratory with an attendance of 23. William Koch of the Motion Picture Film Dept., Eastman Kodak Co., New York City, was the guest speaker. His subject was "New Eastman Reversal Color Products of High

Emulsion Speed Characteristics." To describe the new Eastman Ektachrome ER films, slides were shown that illustrated the physical and sensitometric characteristics of the film, processing methods and printing systems that can be used if release prints are desired.

Demonstration films were shown of some of the typical uses expected of the new films. It was stressed that this film is a new and additional product and not a replacement product. Mr. Koch answered general questions during the meeting. After the meeting, members of the Section were able to discuss specific problems with him.

Attendance at the meeting was not very large, but those attending felt that they

had obtained some very practical information for use in their work. After the meeting, coffee and doughnuts were served and a tour of the Kodak Processing Laboratory was conducted.—Wesley R. Sandell, *Secretary-Treasurer*, c/o Kodak Processing Lab., 4729 Miller Drive, Chamblee, Ga.

The Dallas-Fort Worth Section met on March 3 at the WFAA-TV Studios in Dallas with an attendance of 40. Cyril Teed, Research Engineer of Marconi Wireless Telegraph Co., the guest speaker, discussed "The 4½-in. Image-Orthicon" and the camera channel for the same.

Mr. Teed gave the history of the development of the 4½-in. image-orthicon and then went into considerable detail in describing the development of the camera chain. The information was comprehensively presented and the technical phase was well done. An informal demonstration of the camera chain followed the speaker's remarks. A commercial was video taped and played back using the camera chain.

The meeting generated a lively discussion period after which coffee and doughnuts were served.—M. D. McCarty, *Secretary-Treasurer*, c/o Magnolia Petroleum Co., P. O. Box 900, Dallas, Tex.

The Hollywood Section met on March 15 with an attendance of 275. Eliot Bliss, the guest speaker, gave an excellent demonstration of the various means by which video tape, film and tape-to-film transfers are all contributing to current television production. Comparisons of TV picture quality were made among the three media — film, tape and tape-to-film transfers — with particular emphasis on recent quality improvements that have been made in photographic recording of television.—Ralph E. Lovell, *Secretary-Treasurer*, 2554 Prosser Ave., Los Angeles 64.

The Nashville Section met on December 5 at the WLAC-TV Studios in Nashville with an attendance of 41. Guest speakers were Ralph Hucabee, WLAC-TV; Aaron Shelton, WSM-TV; and Frank McGeary, M-P Laboratories, Inc.

Session moderator, Anton Pilversack of TRAFICO, introduced the subject for discussion: "What Constitutes a Good Television Print?" The panel of speakers presented ideas and standards from the viewpoint of their own particular divisions of the 16mm industry.

Following the presentations for TV stations by Messrs. Hucabee and Shelton and for the laboratory side by Mr. McGeary, the entire group discussed the problems from the producer's point of view. As a part of the program there were two closed-circuit runs of a series of TV prints illustrating the range of contrast that can be produced from the same original, by experimentation in both the dupe negative and positive stages.

The initial run was controlled by the video engineers at WLAC with the engineer adjusting each section to what he considered his contrast norm. The second run-through went at one setting. Finally, the prints were projected on a regular projector and screen. Each time the group was asked to select the print which best

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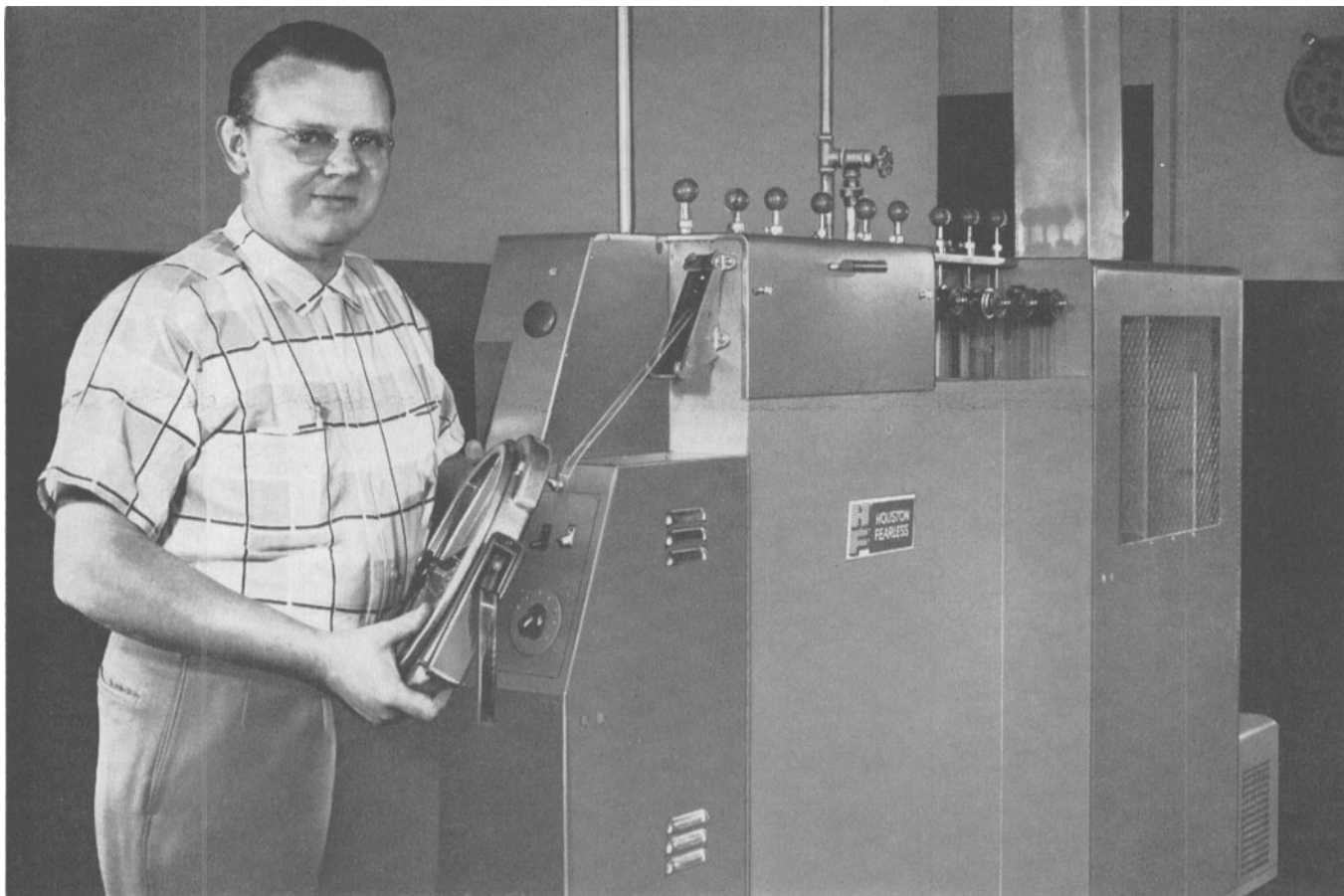
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illustrated good TV projection quality.—
Frank M. McGeary, Secretary-Treasurer,
c/o M-P Laboratories, Inc., 781 S. Main
St., Memphis 6, Tenn.

The Nashville Section met on January 16 at the Studios of Baptist Sunday School Board in Nashville with an attendance of 21. Gordon Tubbs of Eastman Kodak Co., the guest speaker, discussed "New High Speed Ektachrome Films."

This was one of the best meetings to date according to audience reaction. Following Mr. Tubbs' talk, there was a demonstration of the film possibilities by projecting samples. The question-and-answer period after the speaker's formal presentation branched off into the realm of new discoveries in films, equipment and processing, with possible applications to the future of the industry. This proved to be of tremendous interest and the meeting had to be forcibly terminated after several hours. Several new members were signed to SMPTE at this time.—Frank M. McGeary, Secretary-Treasurer, c/o M-P Laboratories, Inc., 781 S. Main St., Memphis 6, Tenn.

The New York Section met on March 9th at the World Affairs Center Auditorium, Carnegie Endowment Center, with an attendance of 212. Guest speaker Calvin S. McCamy, Chief, Photographic Technology Section, Optics and Metrology Division, National Bureau of Standards, discussed "Demonstration of Color Perception with Abridged Color Projection Systems."

Mr. McCamy traced the development of color theory through the "classical period" ending in 1802 and then outlined the refinements made since that time to account for object color perception. He quoted from extensive literature (Maxwell, 1855, Ducos de Hauron, 1895) and drew attention to the Helson-Judd formulation published in the Journal of the Optical Society of America which permits computation of the colors perceived when scenes of any sort, including two-color projections, are viewed.

The visual effects of simultaneous and successive contrast, object-color constancy, and memory were strikingly demonstrated by means of simple spots of light and pictures. The way in which these effects contribute to color perception was indicated. Colored pictures and charts were shown by three primaries and by two primaries, one of which was usually incandescent-lamp light as most recently described by Dr. Land.

A number of people in the audience reported seeing color in a black-and-white picture projected by incandescent-lamp light. This phenomenon, which occurred when a picture of familiar grocery items was projected at a very low luminance, was attributed to the effect of memory on perception. After showing rather realistically colored pictures of the familiar grocery items by two-primary projection, the speaker demonstrated the failure of this system to reproduce certain pairs of colors and the difficulties encountered with exterior scenes with bright skies.—James W. Kaylor, Secretary-Treasurer, c/o Movie-lab Film Labs, Inc., 619 W. 54 St., New York 19.

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