

77th Convention Program

Special plans for the Spring Convention, to be held at the Drake Hotel, Chicago, April 18-22, include one or more sessions on Nontheatrical Motion Pictures and a Symposium on Screen Brightness.

The Convention Papers Programs are organized under the Society's Editorial Vice-President, an office now held for a second term by Norwood L. Simmons. Newly appointed Papers Committee Chairman is Ralph E. Lovell who is listed below, along with his Committee Vice-Chairmen. The procedure in recent years has been that the Vice-Chairman in a given area becomes the Program Chairman when the Convention is held in his area.

Any member or interested person is welcome to suggest papers, groups of papers or symposiums they would like to see on Convention Programs. Write to Society Headquarters or to any of those listed below. The complete roster of the Papers Committee for 1955 is not now available. It will be published in April, when the roster of all Society Committees is published. Present officers of the Committee and for this Convention are:

- Ralph E. Lovell, *Chairman*, 2554 Prosser Ave., Los Angeles 64, Calif.
- C. E. Heppberger, *77th Program Chairman*, 231 North Mill St., Naperville, Ill.
- J. E. Aiken, *Vice-Chairman*, 116 N. Galveston St., Arlington 3, Va.
- S. W. Athey, *Vice-Chairman*, General Precision Laboratory, 47 Ossining Rd., Pleasantville, N. Y.
- Arthur C. Blaney, *Vice-Chairman*, Radio Corp. of America, 1560 N. Vine St., Hollywood 28, Calif.
- John W. Ditamore, *Chairman, Nontheatrical Motion-Picture Papers Committee*, 822 N. Grant St., West Lafayette, Ind.
- G. G. Graham, *Vice-Chairman*, National Film Board of Canada, John Street, Ottawa, Canada.
- Fred J. Kolb, Jr., *Chairman for Symposium on Screen Brightness*, Manufacturing Experiments Div., Bldg. 35, Kodak Park, Rochester 4, N.Y.
- Richard O. Painter, *77th Program Chairman for High-Speed Photography*, 738 East Liberty St., Milford, Michigan
- J. H. Waddell, *Vice-Chairman*, Wollensack Optical Co., 850 Hudson St., Rochester 21, N. Y.

Two especially important regions which produce convention papers have long been served by special efforts by these Paper Committee Members:

Glenn E. Matthews, Eastman Kodak Co., Kodak Research Laboratories, Kodak Park, Rochester 4, N.Y.
 Walter L. Tesch, Product Manager, Film Recording, Radio Corp. of America, Camden, N.J.

The Nontheatrical Motion-Pictures special aspect for this Convention has grown out of suggestions made by Philip A. Jacobsen, Technical and Research Director of the Motion Picture Unit at the University of Washington at Seattle. The Committee plans to obtain papers on educational, business and industrial films and their production. Three who are serving especially on this Committee with Mr. Ditamore are:

- Herbert E. Farmer, Dept. of Cinema, University of Southern California, Los Angeles, Calif.
- John Flory, Adviser on Nontheatrical Films, Eastman Kodak Co., 343 State St., Rochester 4, N.Y.
- Kenneth M. Mason, Eastman Kodak Co., 137 North Wabash Ave., Chicago 2, Ill.

The Society's Screen Brightness Committee (p. 330 of the April 1954 *Journal*) will support Chairman Kolb for the Symposium.

engineering activities



SMPTÉ Engineering Committee activities are, for the most part, conducted by correspondence; the wide geographical dispersal of committee members makes it rather difficult to hold frequent committee meetings. The semiannual Society Convention, drawing together a scattered membership as it does, is a most opportune time for the committees to meet for a more direct exchange of ideas.

Nine engineering committees, as well as the ASA Sectional Committee on Cinematography, PH22, met at the Hotel Ambassador in Los Angeles, concurrent with the 76th Convention, during the week of October 18, 1954. Below, in capsule form, are presented the major deliberations and conclusions of these ten meetings:

Color

Various aspects of the taking and projecting of color motion pictures are under serious study by subcommittees formed to report on specific problems. H. W. Knop and W. R. Holm, Chairmen on two sub-

committees, one on Projection Light Sources and Screens for Color Films and the other on Elements of Color Motion Pictures, reported progress in the preparation of monographs on these subjects. Plans for activating the subcommittees on Spectral Energy Distribution of Photographic Illuminants and on Standards of Light Quality in Color Film Projection were reported by the Chairmen, M. A. Sweet and A. M. Gundelfinger, respectively.

Film-Projection Practice

Three American Standards, 35mm Reels (Z22.4-1941), Theater Screen Dimensions (Z22.29-1948) and 35mm Sprockets (Z22.35-1947), were reviewed and agreement reached to begin revision of these three standards. In addition, plans were made to establish a subcommittee to collect and study all available information on devices and methods for reducing the temperature of film in the projector aperture.

High-Speed Photography

Progress was reported on preparation of a glossary of terms used in high-speed photography. Plans for future international high-speed symposia were noted and preparations were made for a supply of high-speed photography papers for the 77th Convention. The desirability of a committee newsletter to keep the members abreast of activities concerning one another was discussed and approved. The Chairman will issue such a newsletter whenever circumstances warrant.

Laboratory Practice

Revision of three American Standards, 16mm Contact Printing Aperture (Z22.48-1946), 35mm Reel Prints (Z22.55-1947) and Laboratory Nomenclature (Z22.56-1947), was initiated. Committee consideration on PH22.41, Photographic Sound Record on 16mm Prints, was terminated with the recommendation that it be submitted to the Standards Committee for further processing as an American Standard. Proposals for standards on (1) edge-cuing of printer light changer and (2) printer aperture for CinemaScope were discussed and plans were made to initiate standardization.

Screen Brightness

Reports were heard from two subcommittees studying (1) unbalance in screen illumination and (2) screen brightness of drive-in theaters. The main discussion centered about these reports and plans for continuing these studies. Final arrangements were made for a Screen Brightness Symposium to be held at the next Convention in Chicago during the week of April 17, 1955.

16 & 8mm Motion Pictures

Changes in five American Standards were given serious consideration: 16mm Camera Aperture (Z22.7-1950); 16mm Projector Aperture (Z22.8-1950); 16mm Double Perforated Film, Usage in Camera (Z22.9-1946); 16mm Double Perforated Film, Usage in Projector (Z22.10-1947); and 8mm Reels (Z22.23-1941). The first two of these involved edge-guiding. Based on a recent study by Messrs. Chandler and Lyman, agreement was reached to ballot the full committee on revision of these two standards. The next two were concerned with rate of 16mm silent film travel through the camera and projector. Now that magnetic striping seems likely to be employed widely, 16mm "silent" projectors are not necessarily silent. Action on these two standards, under consideration for the last two years, was finally concluded and revised drafts are to be submitted to the Standards Committee for further processing. Proposed revision of the 8mm reel standard was approved for letter ballot of the full committee. In addition, further study of a test film for 8mm projectors and standardization of a 16mm reel was initiated.

Sound

Two test film standards, 35mm Sound Focusing (Z22.61-1949) and 35mm Buzz Track (Z22.68-1949), were reaffirmed without change and are to be submitted to the Standards Committee for further processing. In addition, exploratory talks were held on standardization of perspective sound, the status of studies on the absolute measurement of magnetic level was reviewed and the quality of the existing four-track CinemaScope test film was investigated and found adequate.

Magnetic Recording Subcommittee

One proposed standard, 35mm Magnetic Azimuth Checking Test Film, was withdrawn since this specific test film is no longer needed. A new proposal was initiated establishing the separation between the picture and corresponding sound for 16mm film employing magnetic sound recording. A report was made on the status of the studies made by the Navy on the absolute measurement of magnetic level; this report is to be distributed to all members of the subcommittee. Plans were made for the production of some experimental footage of 16mm azimuth test film of the 1000-pulse, 140- μ sec dimension variety. This film is to be distributed to the committee for consideration as a desirable method of setting azimuth.

Television

This group was primarily concerned with concluding the arrangements for the production of a test film and test slides for color television. Every effort is being made to make this test material available within the first few months of 1955.

PH22

This meeting was called for the purpose of reviewing the status of the international standardization program and to establish the United States position as to the participation in and calling of a special meeting of ISO/TC 36 Committee on Cinematography for June 1955. The conclusion was

reached that the United States would not request the arrangement of such a meeting by ASA as Secretariat for the ISO committee but would cooperate in the formation of a delegation to attend a meeting, if there is sufficiently widespread interest on the part of the other members in having one called.

International Standardization

The ASA, as Secretariat, canvassed the members of ISO/TC 36, Cinematography regarding their interest in participating in a June 1955 meeting. The response was overwhelmingly in favor and it was therefore decided to call a meeting of this committee in Stockholm, Sweden, sometime during the period of June 6 to 18, 1955. Preparations are now being made to form the United States delegation and to establish the items the United States would like to have on the agenda.—*Henry Kogel*, Staff Engineer.

Biographical Note



Dr. Alexander Ernemann, General Manager of Zeiss Ikon A.G., has just celebrated the completion of his fiftieth year in the motion-picture industry. When Dr. Ernemann went to work in his father's factory in 1904, 17.5mm film with center perforations was in use and projectors were of brass with wooden housing. Ernemann early traveled to the U.S. and as a result of experience gained on his travels began to manufacture an all-metal projector, the Ernemann Emperor, which continued to be a standard projector until well after the First World War.

In commercial cooperation with Krupp, of Essen, Ernemann put out the first German sound film projector in 1925. Since 1926, when the firm of Zeiss Ikon A.G. was organized, he has been associated with that company, year after year bringing out his numbered series of Ernemann projectors. The latest of these to appear from the Kiel plant, to which Zeiss Ikon moved from Dresden after World War II, is the Ernemann X, which incorporates a magnetic sound reproduction unit.

section reports

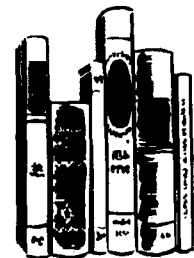


The Central Section held its last meeting of 1954 on December 13 in the United Airlines building at Midway Airport. Approximately 100 people listened to J. E. Sandow, Chief of Flight Training at United Airlines, discuss the operation of the Dehml training unit for training airline pilots. This apparatus constructed by Douglas provides very impressive simulated flight for pilot training along with all possible emergency situations. Actual demonstration of the training unit was conducted by two United Airlines pilots. Coffee and doughnuts were served following the meeting.

At the pre-meeting Board of Managers session, the three new managers recently elected in the Central Section were welcomed. These are: D. W. Ridgway, Encyclopaedia Britannica Films; R. G. Herbst, Bell & Howell Co.; and J. C. Diebold, Wilding Picture Productions. Preliminary plans for the 77th Semiannual Convention in Chicago were discussed.—*Kenneth M. Mason*, Secretary-Treasurer, c/o Eastman Kodak Co., 137 N. Wabash Ave., Chicago 2.

The Southwest Subsection election results have been announced by I. L. Miller, with the following officers elected for 1955 and Managers for 1955-56:

Ernest D. Gaw, Chairman
Orville H. Mills, Secretary-Treasurer
Bruce Howard, Manager
Wm. H. Carter, Jr., Manager



books reviewed

The Theory of the Photographic Process, Revised Edition

By C. E. Kenneth Mees. Published (1954) by Macmillan Co., 60 Fifth Ave., New York 11. i-x + 1133 pp. 416 illus. 6 X 9 in. Price \$21.50.

The long awaited revision of this standard reference work has now appeared, and it is evident that this much used contribution to the photographic literature has been greatly extended, with a thorough coverage of the intervening 12 years since original publication. All chapters and sections have been thoroughly rewritten and in general improved, in part due to the fact that the information available is more complete at present. New chapters have been