

Organization of the Southwest Subsection

Activities of the recently formed Southwest Subsection began formally on the evening of October 23 in the studios of WBAP-TV, Fort Worth, Texas. C. E. Heppberger presided over the meeting and advised about the operation of a subsection. There were present 13 members and 23 guests.

Elected as the subsection's first roster of officers were:

Bruce Howard, Chairman;

Hugh V. Jamieson, Jr., Vice-Chairman and Secretary-Treasurer;

I. L. Miller, Program Chairman; and *George Mayer*, Membership Chairman.

Future meetings are tentatively scheduled:

January 16, Friday evening, in Dallas;

March 16, Monday evening, in Fort Worth; and

May 20, Wednesday evening, in Dallas.

Members will be advised by letter confirming the dates and exact place of the meetings.—*Hugh V. Jamieson, Jr.*, 3825 Bryan St., Dallas 4, Tex.

Engineering Activities

72d Convention This is a continuation of the report on the meetings of Engineering Committees at the 72d Convention in Washington, D.C. See the November 1952 *Journal* for the first part of this story.

16mm and 8mm Motion Pictures Six American Standards, listed below, have been under active review for some time:

PH22.9, 16mm Double-Perforated Motion Picture Film — Usage in Camera;

PH22.10, 16mm Double-Perforated Motion Picture Film — Usage in Projector;

PH22.15, 16mm Single-Perforated Motion Picture Film — Usage in Camera;

PH22.16, 16mm Single-Perforated Motion Picture Film — Usage in Projector;

PH22.21, 8mm Motion Picture Film — Usage in Camera;

PH22.22, 8mm Motion Picture Film — Usage in Projector.

At this meeting it was agreed to draft further revisions of the first two standards, eliminate "guided edge" specification from the next two standards, and approve the last two standards without further change.

The ballot on the proposed standard, A and B Windings of 16mm Raw Stock Film, PH22.75, was reported as virtually complete without any negative votes. The ballot was therefore closed with an affirmative recommendation to the Standards Committee for further processing as an American Standard.

Magnetic Recording Subcommittee The widespread development and use of magnetic sound tracks demand a companion test film and standards program. Such a program, under way for some time, has now been launched with full force.

The magnetic recording proposals for 16mm and 35mm-17½mm film, PH22.86 and PH22.87, have cleared all the appropriate Society committees and are presently under review by ASA Sectional Committee PH22.

Agreement was reached on the dimensions of the magnetic coating of the 8mm proposal, PH22.88, for immediate consideration by the Sound Committee.

Similar approval was given to five proposed standards on magnetic test films, listed below:

SMPTE 509, 16mm Magnetic Flutter Test Film;

SMPTE 510, 35mm and 17½mm Magnetic Flutter Test Film;

SMPTE 511, Azimuth Alignment Test Film for 17½mm and 35mm Film With Magnetic Coating;

SMPTE 512, Azimuth Check Loop on 17½mm and 35mm Film With Magnetic Coating;

SMPTE 513, Azimuth Test Film for Fully Coated Magnetic 16mm Single-Perforated Motion Picture Film.

A subcommittee was then formed to study existing magnetic recording equipment with a view toward standardizing the reproducer characteristics.

Finally, with an eye toward the future, attention was called to the potentialities of half photographic/half magnetic track on 16mm film and magnetic track substituted for photographic on 35mm film.

Sound This meeting followed on the heels of the above Subcommittee meeting but in actuality the two meetings were held jointly. The Sound Committee now approved for letter ballot the six proposals approved by the Subcommittee and a seventh on 200-mil magnetic coating of 16mm single perforated film (SMPTF 544) submitted by the Subcommittee some time prior to this meeting.

In addition it was agreed to revise the three test film standards listed below. The revision would permit elimination of the identification leader and substitution of titles printed lengthwise in the picture area. This would increase the usable test film footage by about 25% without increasing its cost.

Z22.42-1946, 16mm 5000- and 7000-Cycle Sound Focusing Test Films;

Z22.45-1946, 16mm 400-Cycle Signal Level Test Films;

Z22.57-1947, 16mm Buzz Track Test Films.

Stereo This committee was formed in March 1952 with immediate attention devoted to development of a standard nomenclature and compilation of a bibliography. Prior to this first meeting the committee was very active in nomenclature activity via the mails. The entire meeting was therefore devoted to reviewing this activity and working out word for word the meanings of some of the more controversial, complex terms.

In briefly commenting on the bibliography project, John Norling, Chairman, stated that progress was being made and that a first draft would soon be issued to the committee for review.

Television Film Equipment This meeting had been called for only one reason: to expedite action on dimensional standards for the recorded and reproduced area of televised motion pictures. Differences had developed between East and West Coast thinking on this question which had prevented standardization to date.

The advantages and disadvantages of

both proposals were thoroughly aired and a compromise proposal was offered for consideration. It was finally agreed to submit the latter proposal for letter ballot of the full committee. The vital dimensions of all three proposals are:

	35 mm	Record	Reproduce
East	.609	× .812	.582 × .776
West	.619	× .825	.600 × .800
Compromise	.612	× .816	.594 × .792
<i>16mm</i>			
East	.288	× .384	.270 × .360
West	.288	× .384	.279 × .372
Compromise	.285	× .380	.276 × .368

Color This was the first meeting of this committee under its new Chairman, Dr. J. P. Weiss. The committee reviewed the state of the art and concluded that color was still in the early stages of development, which precludes any standards work at this time. It was noted, however, that comprehensive reports on various aspects of the field — for example, the published report “Principles of Color Sensitometry” — are considered very useful and desirable, and plans were made to further stimulate such activity.

High-Speed Photography A high priority was given to the question of developing a dictionary of terms peculiar to high speed photography and a subcommittee headed by Morton Sultanoff was appointed to begin active work on this.

The ASA Exposure Index also came up for discussion and it was considered highly desirable to extend film ratings to cover the range of exposures from a millisecond to a microsecond. This is no simple matter and the question was referred to ASA Sectional Committee PH2 for study and action.

The meeting closed with Carlos Elmer accepting the responsibility of the high-speed photography papers program for the Spring Convention in Los Angeles.

Meeting Reports For those who are interested in more detailed information concerning any of the above reported engineering committee meetings, a copy of the particular meeting report is available upon request.—Henry Kogel, Staff Engineer.