

106th Technical Conference —

September 28—October 3

Plans for the 106th Technical Conference at the Century Plaza Hotel in Los Angeles are proceeding smoothly toward the opening day. Final arrangements and scheduling are being made as the papers program continues to take shape. Program Chairman Roderick T. Ryan, Eastman Kodak Co., Los Angeles, stated that the Program is now in the final stages of preparation. The final date for submission of manuscripts is August 15.

In addition to the regular program the special two-day Symposium on 8mm Film Production Techniques will feature 10 invited papers covering current topics of interest in the growing 8mm field. Symposium Chairman Richard J. Goldberg, Houston Fearless Corp., Los Angeles, has announced that scheduling of papers is nearly complete and only details remain to be worked out in the general format for presentation.

The sessions for the regular portion of the Program will all be concurrent. Session arrangements will be included in the Advance Program in the September *Journal*. The tentative scheduling of sessions is as follows: Monday Morning, Laboratory Practices I and High-Speed Photography; Monday afternoon, Laboratory Practices II and Education; Tuesday Morning, Television I and Theater Presentation and Projection; Tuesday afternoon, Television II and Cinematography; Wednesday morning, Equipment Papers and Demonstrations; and Wednesday afternoon, Medicine and Sound.

The following are some of the topics which will be covered at the conference: performance of high-resolution return-beam vidicon cameras; light-emitting diodes and neon-timing lamps; vibration-free motion pictures; lap dissolve of films in super 8 cartridges; video-tape recorder using $\frac{1}{4}$ -in tape; editing and time-code equipment for video magnetic recorders; measurement of acoustic performance of cinemas and replay equipment; electronic video recording; computer-controlled optical color-release prints; dual-purpose studios and produc-

tion; foreign influences on technology in British film and television studios; modern studio lighting; cassette-loading program sound-effects generator; lighting for multipurpose presentations in a multipurpose theater; planning, construction and operation of a new engineering university; electronic ceramic color filters; super 8mm movie systems; color motion pictures generated by computer; clean rooms; use of moire heat patterns created from incoherent diffraction patterns used for cuing; applications of slow-scan television to planetary exploration; super 8mm cartridge projection; setting up color monitors; training motion-picture technicians; xenon lamps; underwater applications of CCTV; visual frame numbering for electronic video-tape editing; multi-camera network using radio-linked double-system sound synchronization; video edging; and a single weighting characteristic for random noise in monochrome and NTSC color television.

Electronic Editing

With the increased use of time codes for electronic editing, the Society is planning to present a session on the subject at the Technical Conference in Los Angeles. C. E. Anderson of Ampex Corp., Redwood City, Calif., Topic Chairman for television papers, has sent invitations to a number of organizations whose code systems have been widely used, asking them to submit papers describing their systems and the various advantages of each. The program will undoubtedly be of great interest to anyone dealing with video-tape recording.

Historical Exhibit

Plans are now being made for an Historical Exhibit similar to the successful exhibit at the 103rd Conference.



A part of the Eric Berndt Collection featured at the Historical Exhibit during the 103rd Conference in Los Angeles, April 1968.

In addition to the collection of Eric Berndt, complimentary collections of Sol Lesser and the Litton Collection will be on display. Two large reproductions of magic lanterns will be included in the display. Each lantern will contain a modern projector which will show slides of camera and projection equipment used over the years. A narration to accompany the slides will be given by Gregory Peck.

Equipment Exhibit

Space for the Equipment Exhibit for the 106th Conference was practically sold out within two weeks after the booths had been offered for sale. The announcement was made by Exhibit Chairman Warren Strang, Hollywood Film Co., Hollywood. This enthusiastic response, Mr. Strang commented, is an indication of the spec-

tacular growth of equipment in the motion-picture and television fields.

The Exhibit will open Monday evening, September 29, with an open house sponsored by the exhibitors. Everyone bearing conference registration badges or exhibit passes will be welcome.

An Equipment Papers and Demonstration Session will be held Wednesday, October 1, when many exhibitors will present descriptions and demonstrations of their new products. The session will be conducted in the same manner as the regular topic sessions on the Conference Program.

On the last day of the Exhibit the winner of the SMPTE Exhibit Award will be announced. The award will go to the company having the most imaginative, effective and best presented exhibit.

standards and recommended practices

Approved USA Standard

On May 5, 1969, the United States of America Standards Institute approved a new USA Standard, PH22.61-1969, Specifications for 35mm Sound-Focusing Test Films, Photographic Type, which is in fact a reaffirmation of the earlier issue modified editorially. This revision also incorporates the technical material originally published in PH22.62-1960, which has been withdrawn.

Inasmuch as compliance with USA Standards is purely voluntary, this standard will become truly effective only when broad publicity is given to its existence. USASI and SMPTE would appreciate any personal influence to promote the use of the standard where such action is appropriate and proper. Copies of the standard may be obtained for a nominal fee from the United States of America Standards Institute, 10 E. 40th St., New York, NY 10016.

USA Standards Reaffirmed

On May 5, 1969, the United States of America Standards Institute, taking the recommendation of the SMPTE Engineering Committees and the USASI Standards Committee PH22, reaffirmed without change the following standards:

PH22.51-1961, Intermodulation Tests for 16mm Variable-Density Photographic Sound Prints (published in July 1961 *Journal*);

PH22.88-1963, Dimensions of Magnetic Striping of 8mm Motion-Picture Film, Perforated IR-1500 (published in June 1963 *Journal*);

PH22.101-1963, Dimensions of Magnetic Striping of 16mm Motion-Picture Film, Perforated 2R-3000 (published in June 1963 *Journal*); and

PH22.136-1963; Dimensions of Magnetic Striping of 16mm Motion-Picture Film, Perforated 8mm, 2R-1500 (published in June 1963 *Journal*).

Draft USA Standards

Three draft USA Standards are published here for a trial period and public review. Comments should be addressed to Alex E. Alden, Staff Engineer, at Society Headquarters before September 30, 1969. The proposals have also been submitted to the appropriate USA Standards Committees. Consequently, all comments received through *Journal* publication will be reviewed prior to the conclusion of action by these committees.

PH22.43, Flutter Test Film, 16mm 3000-Cycle Photographic Type, and C98.4, Speed of 2-In Tape for Quadruplex Video

Magnetic Tape Recording, are both reaffirmations of the technical content of the previous issues but have been editorially modified to facilitate their use.

C98.3, Electrical Characteristics of Audio Record One for 2-In Quadruplex Video Magnetic Tape Recording at 15 and 7.5 In/s, now specifies that the characteristic will have a time constant of 35/2000 microsecond which is a departure from the NAB specification.

Proposed Recommended Practices

Two proposed Recommended Practices are published here for a trial period and public review. Proposed SMPTE Recommended Practice RP 14, Plotting Data from Sensitometric Strips Exposed on Type 1b2 (Intensity Scale) Sensitometers, and proposed SMPTE Recommended Practice RP 15, Calibration of Densitometers Used for Black-and-White Photographic Density Measurement, are substantially reaffirmations of the earlier issues modified editorially.

Proposed SMPTE Recommended Practice RP 6, Reference Carrier Frequencies and De-Emphasis Characteristics for 2-In Quadruplex Video Magnetic Tape Recording, reflects an addition to Section 4: Practice LBC is included for reference purposes only. Practice LBC is considered to be obsolescent and is not recommended for new color recordings. RP 6-1967 was published in the December 1966 *Journal*.

Comments should be addressed to Alex E. Alden, Staff Engineer, at Society Headquarters prior to September 30, 1969. If no adverse criticism is received by this date, the Proposed Recommended Practices will be submitted to the SMPTE Board of Governors for final approval.

Withdrawal of USA Standards

On May 5, 1969, the United States of America Standards Institute approved the withdrawal of the following two USA Standards, PH22.62-1960, 9-Kilocycle Sound Focusing Test Film for 35mm Motion-Picture Sound Reproducers, has been withdrawn because the technical data has been incorporated in the revision of PH22.61, published here.

PH22.126-1961, 16mm Multi-Azimuth Test Film. Magnetic Type, was withdrawn due to the fact that the test film described has never been manufactured and is considered to be impractical to produce. The Sound Committee is now preparing a Recommended Practice describing a similar test film which could be supplied by the SMPTE. The Standard was published in the November 1961 issue of the *Journal*.

ALEX E. ALDEN