news and reports

Progress Report

103rd SMPTE Technical Conference and Equipment Exhibit

May 5–10 Century Plaza Hotel Los Angeles

Some 103rd Conference Chairmen who have participated in previous SMPTE Conferences. Top, left to right, Jack Goetz, Banquet Chairman; Marvin Jacobs, Membership Chairman; Warren Strang, Exhibit Chairman. Bottom, left to right, C. Carroll Adams III, Public Address and Recording Chairman; Jack P. Hall, Get-Together Luncheon Chairman; H. L. Vanderford, Short Films Co-Chairman; and Arthur Johnson, Auditor.

"Response to the 103rd Conference Call for Papers has been terrific," reports Program Chairman **Alan Gundelfinger,** Technicolor Corp., Hollywood. At the rate papers are coming in, Gundelfinger said, we may reasonably expect that the 103rd Conference will have an unusually large and comprehensive papers program. By early January, about four months before the Conference, there were commitments for more than 100 papers for the technical sessions. These technical sessions will be scheduled during the daylight hours of Conference week. Because of the large response to the call for papers, many concurrent sessions are likely. The evenings will be reserved for special sessions, of which there could possibly be four.

So far, there are specific plans for two such special evening sessions, Gundelfinger said. The first is expected to be a tutorial lecture on lasers by one of the world's leading authorities, Dr. Harold Lyons of UCLA. The second session is tentatively a lecture on five-track stereo sound, given at 20th Century Fox studios.

Tentative Papers

A list of papers promised by authors follows. The list is tentative. Many papers will be added; some will be cancelled. The Advance Program giving a more definite list of papers (with abstracts) will be published in the April *Journal*. The papers below are listed by topic.

Photographic and Allied Sciences

Color Couplers; Precise Optical Alignment Using a Pentaprism Wave Front Shearing Interferometer; A Video Plotter with Color Capability; Psycho-Physical Factors in Photographing and Viewing Motion Pictures; Imaging by Photopolymerization; Image Recording by Particle Orientation; Image Forming Fluorescent Screens of High Resolution; Abto Process; Interference Filters; RS Process; Adhesives; Progress in Dry Photography; Latent Image; Fiber Optics; Gelatin and Other Hydrocolloids for Photographic Emulsions; Elimination of Ghost Images and Stray Light in Camera Lenses; Liquid Optics; and Holography.

Instrumentation and High-Speed Photography

Extended Capability for Fast Neutron Hodoscope used at TREAT; Advanced Pin Registered High-Speed 16mm Motion-Picture Camera; Recent Developments in Image-Converter Cameras in England; Mission of a Test Facility in the Saturn V Program (motion picture including some instrumentation footage); Pulse Sample as Applied to High-Speed Photo Instrumentation; Obtaining Color TV Pictures From Space; and The Documentary Approach to High-Speed Photography.

Photosensitive Materials for Motion Pictures and Television

A Color Film Evaluation Technique

Education

Programed Instruction for TV and Broadcasting; Cinematography Problems Encountered in Oceanographic Expeditions; Kinescope Recording or Automation in ETV; School Television Great Cities — 1966–67; Surgical Cinematography in Hospitals; Color Sound Filmstrips for Training,

Explaining, Reporting, Selling and Telling (Terst) Films; The Use of Dramatic Devices in Postgraduate Medical Education by Television; The Use of Television in Psychiatric Treatment and Education at Three Major Medical School Installations; An Integrated Circuit Film Footage — Time Counter; Educational Technology and the Equipment Manufacturer; The Future of the "Anthropology Film"; Cost Analysis of Nonbroadcast Television Facilities for Educational Institutions.

Theater Presentation and Projection

Modern Motion-Picture Theater Construction (a symposium and discussion with leading theater architects and engineers); An Improved Lamphouse for Xenon Sources; Automated Projection Equipment (a symposium and panel discussion); "Halo-Light" Optical System for Use with Xenon Arcs and Halogen Lamps; Theater Presentation and Projection; Projection Depth of Focus vs. *f*/number; Projection Illumination vs. Three Film Formats; Color Specifications for Theater Systems in the Motion-Picture Industry; A New Radiometer for Color TV and Projection Studies.

Television

New Antenna Installation on the Empire State Building; Flying-Spot Scanners and Image Dissectors; Color and Black-and-White TV Receivers; Study of Noise in Television Broadcast Equipment; T.B.A.; Splice Identification for Video Tape; A Double Super 8mm Kine Recorder for the Educator; A Novel Controlling System for SSS Dimmers; Videoscope, A Screen Process System for Color TV Using a High-Gain Screen; A Helical-Scan Tape Recorder; A New Vidicon Color Camera; Internal Control Over TV Slide Production; Applications, Requirements and Design of CCTV Systems Aboard Naval Ships; Color Stop-Motion Disc; A Slow-Motion Color Recorder; A Handheld Color Camera; Nonphased Color System; A Television Intercom System; Solid State Transmitter; Video Graph; and Color Film Chain.

Small Format Films

Super 8: Its Interim Status; and Related to Small Format Films.

Sound

Acoustic Design Factors for Wide-Screen Theaters; Multipurpose Studios; Suggestions for Reducing the Quality Inconsistencies Experienced with V-A Soundtracks; Automated Dialogue Replacement; A New Type of Sound System — Dynamic Sound; and More Remarks on the Beginnings of Talking Pictures.

Studio Practices

Ingenuity of Equipment Utilization and Economics for Small Producers to Provide Optimum Production Quality and Versatility; A Proposed 34-f/m System for 35mm Motion-Picture Production; Special Considerations for Photographic Coverage of an Archeological Expedition to South America; The First Total-Concept Motion-Picture Studio; The Development of Motion-Picture Camera Aids in Britain; The Electronic Production of Motion Pictures; and New Lamp Developments.

Laboratory Practice and Color Quality Control

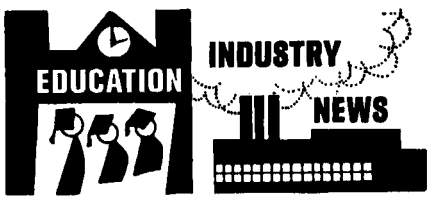
Quality Control Through Technical Testing; The Techniques Used in Converting 35mm Three-Strip Separations to 70mm Color; A High-Speed Reduction Printer; Laboratory Quality Control in a Government Incentive Contract; Design of a Computer-Controlled Editing Console for Film and Video Tape; Film Sharpness Measuring; New Concepts in Film Processing Machines; Treatment of Film for Reentry Loop Projection; The Detection and Elimination of Processing-Induced Noise on Magnetic Striped Film.

Systems Approach to TV Color Quality Control

Proposed Color Television Test Slide.

Call for Papers

According to Program Chairman Alan Gundelfinger, papers are still being accepted for the 103rd Technical Conference. As soon as possible, Author Forms and 500- to 750-word synopses of papers should be sent to SMPTE Headquarters, *ATT: 103rd Conference Program*, 9 East 41st St., New York, N.Y. 10017. Manuscripts should be submitted before March 4. (See Nov. 1967 *Journal*, pp. 1127–1128, for Topic Chairmen and requirements.)



Elements of Color Now Available

Elements of Color in Professional Motion Pictures has just been reprinted and is now available.

Since its original publication in 1957, *Elements* has been one of the SMPTE's most popular books. It has had the widest distribution of any SMPTE book and the demand for it has continued despite recent advances that make certain portions out of date. *Elements of Color* is such a basic book in its field that it is still important as a text for the professional and student alike.

Elements has been reprinted as originally published in 1957, 104 pages including 27 pages of color illustrations. A new introduction has been added, however, to explain where the book is out of date and how the book can be applied to current practice.

To help make *Elements of Color* a more useful text, an 8-page insert, *Motion Picture Prints From Color Originals*, is being included with the book. The insert is provided by the Eastman Kodak Co., Motion Picture and Education Markets Division, Rochester, N.Y. 14650.

Elements of Color was prepared by a special SMPTE committee of which Wilton R. Holm, E. I. du Pont de Nemours, Hollywood, was chairman.

The cost of the book is $7.00, with discounts for SMPTE members, libraries, booksellers, and for quantity purchases.

An Engineering Institute on Modern Photographic Techniques for Industry will be held April 16–17 at the University of Wisconsin under the auspices of the Society and the University of Wisconsin Extension Department of Engineering. There will be concurrent sessions on photographic instrumentation and industrial photographic production techniques. In the instrumentation session a variety of still and motion-picture instrumentation techniques will be described with special emphasis on medical applications. During the production session nationally known specialists will demonstrate and discuss various aspects of industrial motion-picture production, including equipment, editing, lighting techniques, materials and procedures of production. Attendance will be limited. A tuition fee of $50 includes the cost of the course. Inquiries concerning the Instrumentation Session should be addressed to John T. Quigley, 725 Extension Building, University of Wisconsin, 432 North Lake St., Madison, Wis. 53706. Inquiries about the Production Session should be directed to Rolf G. Schuenzel at that same address.

The U.S. Industrial Film Festival will be held April 25 at the Center for Continuing Education, University of Chicago. J. W. Anderson is Festival Chairman. The newly organized international festival will recognize films produced commercially as well as by governmental, university and in-plant producers. Festival events will include a seminar and an awards ceremony. Entries are limited to 16mm industrial motion pictures and 35mm filmstrips produced between January 1, 1967, and the deadline for entries, March 1, 1968. Further information is available from U.S. Industrial Film Festival, Suite 1121, 333 N. Michigan Ave., Chicago, Ill. 60601.

Photographic Science and Research in Modern Technology will be the theme of the Society of Photographic Scientists and Engineers Spring Conference to be held