

126th Technical Conference and Exhibit

October 28–November 2, 1984, New York City

The Future of Image Technology has been selected as the theme of the 126th SMPTE Technical Conference, it was announced by Program Chairman Calvin M. Hotchkiss. The concept of image technology brings under one umbrella the technical and scientific advances in electronic photography, HDTV, 3-D, new compatible and incompatible television systems, film-to-tape and tape-to-film transfer, transmission from satellites, and photographs sent from spacecraft. The term "Image Technology" covers the multitudinous techniques that have to do with the capture and display of the image.

The conference will be held at the New York Hilton and the Sheraton Centre, New York City, from October 28 to November 2, 1984.

The 126th Technical Conference will be among the most stimulating, significant, and rewarding of all SMPTE conferences. The program will, in effect, be a blueprint for the future of image technology, providing guidelines for those individuals and organizations whose future is linked, in one aspect or another, to image technology.

It is significant that recent SMPTE conferences have been concerned with the future. The theme of the 125th conference in Los Angeles was "Future Sights and Sounds." The theme of the 124th in New York City was "Commitment to Tomorrow's Technology." The many triumphs and achievements of the SMPTE are due in part to its concern with the far horizons. The Society has been influential in bringing about the astonishing recent advances in the motion-picture and television industry. Its awareness of the next step, its work toward not only what may be, but what will be, and what must be accomplished

especially in the area of standardization, is of utmost importance.

The 126th SMPTE Conference will enrich the lives, the memories, and the careers of all who attend it. The choice of venue is a happy one. The New York Hilton has been the scene of many SMPTE conferences. Its spacious accommodations and pleasant ambience have enhanced the papers presentations and the events of the conferences held there.

At SMPTE Headquarters, preparations for the conference are proceeding on schedule. Authors who wish to present papers at the conference should contact Conference Coordinator Mary Connolly at SMPTE Headquarters.

Conference Program Chairmen

The chairmen to assist Program Chairman Hotchkiss have been named, according to Editorial Vice-President Maurice L. French, CBC. John C. Norris, Eastman Kodak Co., has been appointed associate program chairman. The program co-chairmen are Irwin W. Young, Du-Art Film Laboratories (film); and Philip Godfrey, ABC (television). The topic chairmen who will solicit papers in specific areas, are listed below.

Topic Chairmen

Film Production and Post-Production
Stephen C. Chamberlain
Arriflex Corp.

Motion-Picture Lab Practices
Gary L. Borton
Eastman Kodak Co.

Audio (Film and Television)
Leonard A. Green
National Film Board of Canada

Tutorial Papers, Film and Television
Edward J. Blasko
Eastman Kodak Co.

New Film Technology
Frederick C. Franzwa
Eastman Kodak Co.

Lighting (Film and Television)
Ross Lowell
Lowel-Light Manufacturing, Inc.

Television Production and Post-Production
Herbert C. Ohlandt
National Video Center

Film/Television Interface
James F. Gibbings
NBC

TV Cameras and Lenses and Small Format VTRs
Bebe McClain
B. F. McClain Productions, Inc.

Image Sensors
Sean K. Rabbit
Amperex Electronics Corp.

Graphics and Animation
David Rabinowitz
NBC

VTR Technology and Digital Effects
Michael D'Amore
Ampex Corp.

Projection Practices
Glenn Berggren
Optical Radiation Corp.

Microwave and Satellite Technology
Anthony Uyttendaele
ABC



John C. Norris



Irwin W. Young



Philip Godfrey

Special Events Coverage
Royce L. Pointer
ABC

Video Instrumentation
Scott Schaire
Grumman Aerospace Corp.

Tentative Program Outline

Topics and sessions for the technical program have been tentatively scheduled as follows.

Monday a.m. — Oct. 29
Conference Opening: *Focusing on the Future of Image Technology*

Monday p.m.
Imaging Technology I: *Film and Television Production*

Tuesday a.m. — Oct. 30
Imaging Technology II: *Image Duplicating: Film-to-Film/Tape-to-Tape*

Tuesday p.m.
Imaging Technology III: *Film/Television Interface*

Wednesday a.m. and p.m. — Oct. 31
Imaging Technology IV: *New Technologies in Film and Television*

Thursday a.m. — Nov. 1
Imaging Technology V: *Audio and Projection Practices for Theatrical and Television Display*

Thursday p.m.
Imaging Technology VI: *Post-Production in Film and Television*
Imaging Technology VII: *Graphics and Animation for Film and Television*

Friday a.m. — Nov. 2
Imaging Technology VIII: *Image Technology in Action*

Friday p.m.
Imaging Technology IX: *Panel Discussion — Future Applications of Electronic Technology*

Information about the Arrangements Committee chairman and the exhibits will appear in a future issue of the *Journal*.
— *Rae Hargrave*

SECTION MEETINGS

Atlanta, April 14 A paper on laser-encoded 16mm optical sound was presented by Robert P. Klein, Walter J. Klein Co. He demonstrated the greatly improved response and fidelity obtained on 16mm print with a conventional projector and sound system, compared to the magnetic master track and a comparable conventional print.

E. R. Myler, Eastman Kodak Co., presented two papers: "A Low-Contrast Color Print Film," and "Choosing Eastman Color Negative Film 5247 or Eastman Color High-Speed Negative Film 5294: A Technical Rationale." Both papers were illustrated with 35mm slides and 35mm split-screen motion projection of the negative comparisons. Chris Allen, Production Services, Inc., contributed the 35mm projection equipment.

The meeting was held at the Walter J. Klein Co.'s production and laboratory facilities in Charlotte, N.C. Following the presentations, the 1983 CLIO Award Winners film was shown. — William J. Reddick (Chairman), 4780 Chatworth Ct., N.E., Atlanta, GA 30342.

Chicago, April 10 — Joe Kresnicka, director of engineering, ABC TV, gave a talk on ABC's coverage of the 1984 Winter Olympics. Excerpts from his speech are given below:

ABC sports coverage of the winter games in Sarajevo, Yugoslavia, reached new technical heights. Achieving this took a great deal of time and extensive planning, beginning in 1980.

Few people remember the first Olympic coverage at the 1960 winter games, televised in black and white from Squaw Valley, Calif., with a young Walter Cronkite doing the solo announcing of all the events. It was a far cry from the sophisticated electronic equipment that ABC installed in Sarajevo. There, ABC had its own on-site satellite uplink to send the NTSC signal directly to New York; however, the Yugoslav government prevented

us from using it. The government ruled that the signal had to go to Belgrade via microwave, then to the transponder. In essence, they wanted to control the signal, and our 11-meter dish thus became the backup feed should a signal loss occur somewhere along the path.

What a signal left the ABC broadcast center! Processed by all the wizardry of modern image generation and manipulation, the high visual impact of athletic prowess resulted from such technology as digital standards conversion, frame stores with endless digital effects, and 1-in. helical VTRs that provided variable speed motion in either direction and frozen video frames of the competitors.

Sarajevo is not Lake Placid, the site of the 1980 winter games. Just getting to



Joe Kresnicka (L-center), ABC-TV, discussing his presentation with attendees at the meeting of the Chicago Section.