

news and reports

101st SMPTE Technical Conference

New York Hilton Hotel — April 16–21



View of lower New York Skyline with Brooklyn Bridge.

By K. BLAIR BENSON, Program Chairman
c/o CBS Television Network
51 West 52nd St., New York, N.Y. 10019

Television and Space Technology will highlight the 101st Technical Conference Program. Television Topic Chairman Ed Bertero promises that in-depth coverage will be given to the problems of converting broadcasting facilities from monochrome to color. Included will be thorough analyses of video system and component design criteria, as well as discussions of color camera design and characteristics of the various types of pickup tubes suitable for studio and remote service.

The problems before the lens for both film and television will be introduced by a series of papers on lighting equipment and systems design, staging techniques, and stadium lighting requirements. This will be followed by a panel discussion among experts in production and design. This session Topic Chairman Robert Byloff plans to hold in a network color studio so that some of the techniques can be demonstrated over closed-circuit color television.

F. J. Bingley has lined up a series of papers describing the design and operation of the highly successful lunar orbiters on the program for the Space Technology sessions. In addition to papers covering other satellites carrying film and television equipment, details of the camera system planned for the Apollo II moonshot will be described. On the subject of manned space vehicles, an exciting view of space exploration will be seen in a showing of the Hasselblad Camera slides taken by one of our astronauts in his walk in space.

In the Television, High-Speed Photography, and Production Practices areas, active participation is promised from overseas. Papers from Japan, Holland, and England are scheduled for these sessions.

Medicine/Television/Film

In the field of medicine, Topic Chairman Dr. W. Z. Lane has scheduled two sessions. One will be held in a network

studio where a color video tape, demonstrating film and television techniques used to monitor surgical procedures and to diagnose cancer and vascular diseases, will be shown over closed-circuit television. The taping will be done in March at St. Barnabas Hospital in New York. Smith, Kline, and French will provide the color camera pickup, and one of the broadcasting networks the video-tape facilities and television studio for playback during the Conference. Dr. Charles P. Bailey of St. Barnabas will narrate the first half of the program. Robert Geiger of Smith, Kline, and French will describe the equipment used to televise an operation. The session will be concluded with a panel discussion of television and film techniques used in medical work.

The second session will have a series of papers by the U.S. Public Health Service, Audio-Video Facility, Atlanta, Ga., on the subject of medical education and the nationwide program being instituted.

List of Papers

The Advance Program, with paper titles, authors and paper abstracts, will be published in the March *Journal*. A preliminary list of the program's contents has been abstracted from the early reports of Topic Chairmen:

Film and Studio Production Practices: A New Approach in Designing a Portable 16mm Motion-Picture Camera; Methods and Procedures for the Production of Fully-Animated Cartoon Films Using New Animascope Automatic Animation Processes; Television and Film Lighting by New Tungsten-Halogen Lamps; New Developments in Stages and Equipment at a Major British Studio.

Instrumentation and High-Speed Photography: Use of High-Speed Photography in Research in the Netherlands; An Articulated Optical Pickup for Scale Model Simulation; Development of the Automatic Laser Tracker.

Laboratory Practice: Microwave Drying of Motion-Picture Film in a Continuous Processing Machine; Analytical Benefits of Atomic Absorption Spectrophotometric Methods; The Fujicolor Positive Film Type 8818 (35mm) and Type 8828 (16mm); Improved Signal Processing Techniques for Color TV Broadcasting.

Motion Pictures and Television in Education: Project Grow: Practical Computer Assisted Instruction; Television Systems for the State University of New York.

Sound: New Horizons for Sound Synchronization; Advanced Techniques in Magnetic Recording.

Space Technology: Optical Signal Detection; Direct Electron Beam Film Scanning of Photographic Images; Unit and System Design of a Lunar Operating TV Camera; A Television System With Automatic Target Tracking Capability; Simulators for Lunar Mobile Missions; Vidicons for Space Applications.

Television: Television Studio Switching System Simplification; Automatic Measuring Device for Modulation Transfer

Function of Photographic Lenses; A Regenerated Sideband Demodulator for Television; A Television Display Using Acoustic Deflection and Modulation of Coherent Light; Some Problems of Color Pickup Tubes; TV Networking Satellite System; System Designing of Color Television Facilities; New Family of Camera Tubes for Color Broadcast.

Short Film Subjects

The Chairman of the Short Film Subjects Committee, Frank P. Bucci, Sales Manager, Pathe Laboratories, New York City, has tentatively announced the films that will open each session of the Conference Papers Program. The films, with their credits follow.

Grand Jeté. A Lux Brill Production, written-produced-photographed and directed by Richard Dubelman. Academy Award Nominee.

Sports Carnival. A Columbia short subject produced by Harry Foster and directed by Barry Dubin.

The Wandering Wind. A Paramount short subject.

Kings of the Wild Waves. A Paramount short subject.

1966 Indianapolis 500. A Paramount short subject.

Water Ski With Buick. Produced by General Motors Photographic. Distributed by Buick Motor Div., General Motors Corp.

Arizona. American Airlines.

Rockabye Pinky. United Artists Release. Produced by DePatie-Freling.

The Two Faces of Kenya. Universal Pictures. Produced by Norman Gluck; Director, Arthur Cohen; Editor, Ed Bartsch.

Turkey Au Go Go. Universal Pictures. Produced by Norman Gluck; Director, Arthur Cohen; Editor, Ed Bartsch.

Exhibit Equipment

The 101st Conference Equipment Exhibit has space for more than 90 booths of equipment. The Exhibit will be situated adjacent to the sessions auditorium and registration area. Many companies have already reserved space.

Inquiries and applications for Exhibit space should be directed to Equipment Exhibit Chairman Dominick J. Capano, Chairman, SMPTE Exhibit Committee, c/o S.O.S. Photo-Cine Optics, Inc., 387 Park Ave. S., New York, N.Y. 10016, or to SMPTE Headquarters.

A large number of exhibitors will present papers and give demonstrations of their equipment at a special session on Wednesday morning, April 19.

Highlighting the Equipment Exhibit activities will be a gala opening on Monday, April 17, when all registrants and holders

of exhibit passes will be invited to the Exhibitor's Open House in the Exhibit area.

Exhibit Schedule

Monday, April 17	5:00-8:00
Tuesday, April 18	11:00-8:00
Wednesday, April 19	9:30-4:00
Thursday, April 20	11:00-6:00

Advance Registration

The opportunity and convenience of advance registration is again being offered by the SMPTE for those who wish to avoid possible delay at the Conference Registration Desk. Advance registration forms are being mailed to all members; more are available from SMPTE Headquarters. The rates are:

Member, weekly	\$10.00
daily	4.00
Nonmember, weekly	15.00
daily	5.00
Military (in uniform), weekly	5.00
daily	3.00
Ladies, weekly	5.00
daily	1.50
Get-Together Luncheon	6.00
Cocktail Party and Banquet	21.00
Package registrations will be available as follows:	
Member, weekly registration	} 35.00
Get-Together Luncheon	
Cocktail Party and Banquet	
Nonmember, for the above	40.00

Nonmembers of the SMPTE who are members of the SPSE, SPIE and the AES, may register at the SMPTE member rate; students free.

Hotel Rates and Registration

Members who lack a hotel registration card sent from Society Headquarters should, to be certain of staying at the New York Hilton Hotel, write direct to the following and note that reservations are for the SMPTE Conference: *Front Office Manager*, The New York Hilton at Rockefeller Center, 1335 Avenue of the Americas, New York, N.Y. 10019.

The daily rates for rooms with baths at the Hilton are:

Single room: \$14-25
Double room: \$18-30
Double room (twin beds): \$20-30
One bedroom suites: \$50-65
Two bedroom suites: \$78-90

Note: For a third person in a room, the Hilton charges an additional \$5.00 per day. Rooms at the Hilton are being held for SMPTE registrants only until April 1.

New SMPTE Sustaining Members

Brenner Photo Company, 5215 Wisconsin Ave., N. W., Washington, D.C.

Expansion and relocation at the above address of this quarter-century old company simultaneous with its becoming a sustaining member of SMPTE is only an indication its continuous effective service to professionals in government and industry. Brenner Photo proudly maintains a complete stock of Arriflex motion-picture equipment and many other lines including Auricon, ColorTran, Electro-Voice, Magnasync, Moviola, Amega, Angenieux, Kinoptik, Permacel, etc. Brenner Photo has up-to-date rental inventories in the motion-picture—audio visual field and provides for service and repair of major lines of cameras, audio and optical equipment, with design facilities and manufacturing capabilities.

Address inquiries to: C. E. Sorensen, Manager, at above address.

Photo-Kinetics, Inc., 1624 Stillwell Ave., Bronx, N.Y. 10461 Photo-Kinetics, Inc., and its associated company represent 30 years of precision equipment manufacturing. It is housed in a 20,000 ft² building with complete machine facilities including painting, plating and assembly. In 1950, Photo-Kinetics and its associated company were the first and only contract manufacturers of high-speed cameras for the Western Electric Corp., who were marketing the Fastax camera at that time. This background enabled Photo-Kinetics to develop and market its own high-speed camera, the "NOVA." This camera is fully capable of operating in seven configurations, namely 100 ft, 400 ft, 1200 ft, 4mm, 8mm, 16mm and streak, without alteration to the basic camera. Frame rates, depending on configuration used, can reach 40,000 pictures/sec and 3000 in./sec in the streak mode. Recent achievements include the development of a modular protective housing to contain fully operational cameras and related equipment during test firings of space vehicles and a patent issue for a differential drive on the 1200-ft "NOVA" high-speed camera which can hold frame rates within 1% up to 3000 pictures/sec.

Address inquiries to: Aristide Ippolito, President, at the address above.