

The 122nd SMPTE CONFERENCE AND EQUIPMENT EXHIBIT

9-14 November 1980, New York Hilton Hotel, New York City

Historical, tutorial, and advanced technology papers will be presented for five straight days of technical sessions at the 122nd SMPTE Conference. Learn, from historical papers, what most of our modern technology is based on; learn many practical applications from the tutorial papers; learn what present day and advanced technology is and will be doing. Here is the opportunity to hear industry leaders give their presentations, and at the same time, to see all the equipment for motion picture and video that is relevant to today's engineer.

This is going to be the largest New York exhibit the SMPTE has ever had. There will be more than 300 booths of professional film and video equipment.

For many, this Conference is the once a year opportunity of meeting informally with others in their field, and again, SMPTE has several important social events planned. Among these are a Sunday evening event, Awards Luncheon, Fellows Luncheon, Wednesday evening banquet, the daily Coffee Club and a full week of activities for spouses.

In all, this Conference promises to be highly rewarding for all who attend. The Program Chairman is **Richard S. Marcus**, Rombex Productions Corp., and the Local Arrangements Chairman is **William L. Cooper**, WPIX, Inc. The SMPTE Conference is under the direction of Conference Vice-President **Harry Teitelbaum**, Hollywood Film Co. The program portion of the Conference is under the supervision of Editorial Vice-President **K. Blair Benson**, Video Corp. of America.

Awards Luncheon

SMPTE's annual Conference luncheon is being held on *Monday*, 10 November, and will feature the presentation of SMPTE awards which recognize outstanding achievements in motion pictures and television and service to the Society. The fee for the luncheon is included in the paid weekly registration package.

SMPTE Banquet

On Wednesday evening, 12 November, SMPTE will hold its annual banquet, cocktail party and dance, in the Grand Ballroom of the Hilton Hotel. Companies wishing to reserve tables at the banquet should get in touch with **Kurt Wulliman**, 3M Co., Photographic Prod. Div., 321 W. 44th St., New York, NY 10036. Tables will be reserved on a first-come, first-served basis.

Spouses Program

Spouses attending the 122nd Conference are in for an exciting week of activities according to Chairman **Mrs. Pucki Pilzer**. The following is a tentative schedule for the week, which is subject to change. A complete and final schedule of activities will be printed in the Conference Program. Sunday afternoon, 9 November: Ladies Lounge open for tea and registration. Monday morning, 10 November: A lecture by a famous author; in the afternoon, a tour of the Museum of Modern Art, or a visit to the Manhattan Arts and Antiques Center. Tuesday, 11 November: A choice of an architectural tour of New York, including the Cloisters, or a visit to Washington's Headquarters at the Ford Mansion. Lunch at the Manor. Wednesday morning, 12 November: Coffee and a fashion show at Saks Fifth Avenue, featuring the latest in European and American designer fashions and furs by Revillon, as well as an international shopper's tour of Saks. Thursday, 13 November: A visit to the Frick Collection and lunch at Maxwell's Plum. In the afternoon, there will be a lecture on "How to Buy at Auctions" at the Parke-Bernet Galleries, with an auction of prints following the lecture. Should there



be sufficient interest, another choice for Thursday may be a day in Atlantic City, including a casino show and buffet lunch. Friday, 14 November: A choice of bargain shopping and lunch on the lower East Side, or a special tour of the United Nations including lunch in the Delegates' Dining Room, followed by a brief tour of the United Nations Television Studios. Since the UN will be in session, the group will be given a special briefing on what is currently being discussed.

Committee Meetings

SMPTE Engineering Committees will meet during the 122nd Conference. Committee members will be notified by letter of the dates and times of their meetings. Editorial activities during the Conference include a joint meeting of the Publications Advisory Committee and the Board of Editors.

Coffee Club

The Coffee Club for the 122nd Conference will be open Monday through Friday and will be sponsored by Fuji Photo Film U.S.A.

Association of Cinema and Video Laboratories

The ACVL will meet at the New York Hilton on Friday and Saturday, 7 and 8 November. On Friday there will be a Board of Directors meeting followed by a dinner for laboratory principals. On Saturday there will be a members' meeting all day, beginning with a Laboratory Members' meeting at 8:30 a.m., and a symposium of papers on Laboratory Techniques, with a break at noon for lunch. SMPTE members are invited to attend the symposium.

Equipment Exhibit

This SMPTE exhibit will be the largest exhibit the SMPTE has ever had in New York. More than 135 companies have signed up for space as of 15 July, taking more than 300 booths of space. Most of the major manufacturers of professional motion picture and television equipment are participating. The list of exhibitors, as of 15 July, follows.

AATON Cameras, Inc.	KLM Associates, Inc.
Acmade International	LaVezzi Machine Works, Inc.
Agfa-Gevaert, Inc.	Lenco, Inc./Electronics Div.
The Allen Products Co.	Lipsner-Smith Corp.
American Data	Listec TV Equipment Corp.
Amperex Electronic Corp.	Lowel-Light Mfg., Inc.
Ampex Corp.	LTM Corp. of America
Anton/Bauer, Inc.	L-W International
Arriflex Corp.	MM Editing Systems, Inc.
Arvin/Echo	Magnasync/Moviola Corp.
ASACA/Shibasoku Co.	Magna-Tech Electronic Co., Inc.
Audio Kinetics (UK) Ltd.	Marconi Electronics, Inc.
Belden Communications, Inc.	Matthews Studio Equipment, Inc.
Bell & Howell/Prof. Equip. Div.	Merlin Engineering Works
Berkey Colortran, Inc.	Microp Consultants/Quantel
Bogen Photo Corp.	Microtime, Inc.
Bolex (U.S.A.), Inc.	Microwave Associates Communica-
Brymac Industries, Inc.	tions
The Camera Mart, Inc.	3M - Mincom Division
Canon U.S.A., Inc.	Mole-Richardson Co.
CECO Communications Co., Inc.	Motion Picture Enterprises
Central Dynamics Corp.	Motorola Comm. & Electronics, Inc.
Century Precision Cine/Optics	Moviecam Corp. of America
Cetec Vega	Nagra Magnetic Recorders, Inc.
Chyron Telesystems	NEC America, Inc.
Cinema Products	Neumade Products Corp.
Cinemills Corp.	NL Film Products
Cine 60, Inc.	Norton Associates, Inc.
Cinetron Computer Systems, Inc.	Nurad, Inc.
Clear-Com Intercom Systems	Nytone Electronics Corp.
CMX Systems/Orrox Corp.	OSRAM Corp.
Coherent Communications, Inc.	Oxberry/Div. of Richmark
C.E.I.	Pace International Corp.
Comprehensive Service Audio Visual, Inc.	Panasonic Co./Video Sys. Div.
Comprehensive Video Supply Corp.	The Perf-Fix Company
Control Video Corp.	Peterson Enterprises, Inc.
Convergence Corp.	Philips Broadcast Equip. Corp.
Cremer, S.A./PEP, Inc.	Plastic Reel Corp. of America
Datametrics, Inc.	Rank Cintel
Datatron, Inc./Video Sys. Div.	Rank Precision Industries
Digital Video Systems	RCA Broadcast Systems
Dolby Laboratories, Inc.	Recortec, Inc.
Dynasciences	Research Technology, Inc.
Eastman Kodak Co.	Rohde & Schwarz Sales Co.
Edutron, Inc.	Rosco Labs., Inc.
EEG Enterprises, Inc.	SERA
EEV, Inc.	Sigma Film Equipment Ltd.
Eigen	Skotel Corp.
ELMO Mfg. Corp.	Smith-Victor Corp.
Fernsch, Inc.	Snook Corp. (ROTEX)
Frezolini Electronics, Inc.	Sony
Fujinon Optical, Inc.	Soremec-Eclair, U.S.A.
Fuji Photo Film U.S.A., Inc.	Steenbeck, Inc.
General Electric Co.	Strand Century, Inc.
Goldberg Bros. (J&R Film/Ciro)	Sylvania Lighting/GTE
Alan Gordon Enterprises, Inc.	Symco, Inc.
Grass Valley Group	System Concepts, Inc.
G. Splicer Corp.	Tektronix, Inc.
Hazeltine	Tel-Cine, Inc.
Karl Heitz, Inc.	Telescript, Inc.
Hitachi Denshi America, Ltd.	Television Equipment Assoc.
Hollywood Film Co.	Tiffen Manufacturing Corp.
Houston Fearless 76, Inc.	Toshiba International Corp.
Ikegami Electronics (U.S.A.), Inc.	Union Connector Co., Inc.
Image Devices, Inc.	Uni-Set Corp.
Image Transform, Inc.	Utah Scientific, Inc.
Industrial Sciences, Inc.	Videotek, Inc.
U.S. JVC Corp.	Weathermatic, Inc.
K B Systems	The Winsted Corporation
Kliegl Brothers	Zellan Enterprises & Optical Research

Sponsored Social Events

Eastman Kodak Co. will sponsor an evening of food and entertainment on Sunday, 9 November, for all registrants. Magna Tech Electronic Co., Inc. will sponsor the refreshments at the Fellows'

Luncheon on Tuesday. Sony Corp. will sponsor the entertainment and music at the Wednesday evening banquet. Carter Equipment Co., Inc. will sponsor the table wines at the banquet. The Coffee Club will be sponsored by Fuji Photo Film U.S.A.

Advance Registration Pick-up

For those arriving at the New York Hilton on Friday and Saturday, 7 and 8 November, advance registration packets can be picked up at the ACVL Registration Table. From Saturday noon until Sunday noon, advance registrations can be obtained on the Second Floor Promenade of the hotel. From Sunday noon on, advance registrations will be available at the SMPTE registration area, also on the Second Floor Promenade. On-site registration will commence on Sunday, 9 November, at noon.

Reduced Rate Advance Registration

Advance registration is available at reduced rates. To avoid waiting in line to register, and to save money, register in advance by mail. An advance registration form has been sent to all members. It should be returned with payment to SMPTE Registration, 862 Scarsdale Ave., Scarsdale, NY 10583. To receive the advance registration rate, your payment must be received by 10 October.

Advance registrants, in addition to receiving a reduced rate, will receive specially-printed identification badges. Their names will also appear on the pre-registrants list that will be available at the Conference on Sunday morning. The rates are:

	Before Oct. 10	After Oct. 10
Member Weekly*	\$135.00	\$150.00
Nonmember Weekly*	150.00	165.00
Spouses Weekly*	35.00	40.00
Member Daily	45.00	50.00
Nonmember Daily	50.00	55.00
Student Nonmember	5.00	5.00
Awards Luncheon	25.00	25.00
Fellows Luncheon (Fellows Only)	15.00	15.00
Banquet	35.00	35.00

*Member, Nonmember and Spouses Weekly registrations include the Awards Luncheon. Free registrations for Student Members, Life Members and Life Fellows will be available at the Conference only.

Hotel Reservations

Reservations must be made on the hotel reservation form that was sent to all members and must be accompanied by an Advance Registration form and check. The Society has an allotment of 1200 rooms at the New York Hilton and the cut-off date for hotel room reservations is the same as that for Advance Registration — 10 October 1980. Reservations received after that date will be subject to availability and the special rates will no longer be in effect. Rooms at the special Conference rates are available to Conference registrants only. The following are the rooms and rates available for SMPTE registrants.

	\$ 63	\$ 72	\$ 81	\$ 90	\$ 99
Singles					
Doubles/Twins	80	89	98	107	116
Exec. Single	108				
Exec. Dble/Twin	125				
Suites (parlor & 1 bedroom)	190	200	210	220	
Suites (parlor & 2 bedrooms)	245	255	265	275	

If rooms are not available at the price requested, the next rate available will be used.

Please note that the applicable New York City Taxes will be applied to the above room rates. Currently, there is a New York City Sales Tax of 8% and a New York City Occupancy Tax of \$1.00 per room per night.

Preliminary List of Papers

The following are papers received as of 16 July 1980, more than three months before Conference time. A more comprehensive program will be published in the October *Journal* and in the program booklet to be distributed at the Conference.

General Overview

This year's program will feature an array of papers dealing with key developments in the history of motion pictures and television, an overview of new technology, and an exciting glimpse into what the future holds in the film and video media. This remarkable new program format will show how today's technology evolved from that of the past and how present-day technology is expected to lead to dramatic new engineering developments in both motion pictures and television.

Conference Opening

Where we are Today — A Glossary of the Latest Technical Terms — and an overview of new technologies in the domestic and international field.

Microphones?;

The Vitaphone Story;

The History of British Television — 1923-1980. This paper will present the history of British Television from its earliest stages to the present day, primarily in terms of evolution of the technology, the art and craft of program making and the culture. Comparisons may be drawn between the British and American patterns of development and an explanation offered for the differences in the style of output presented to viewers in the two countries. Once the early experiments were concluded and the world's first public high definition service was launched in November 1936, the technology and art of television became interdependent. Every step in the technology influenced the art, and the demands of the art brought a response from the technology. These two important facets of this complex medium, television, have therefore to be studied together if a true historical perspective is to be presented.

Motion Picture Film Production

The Development of Color Motion Picture Films — a personal perspective;

New Improved Color Negative Film;

How Would a Feature Shot in Super 16 Compare with one Shot in 35mm on a Theater Screen;

A New Filmmaking Concept: Bidirectional Memory in Cameras; Innovations in Design of Camera and Film Equipment; *Where Technology Today Stands on Interfacing with People*: a half-day panel discussion.

Television Production and Post Production

Development of Black-and-White and Color Television up to the NTSC Standards; The Work of the Committees;

Video and Film Post Production;

The Advanced Videotape Editing/Dubbing System in NHK;

A Lightweight Portable Broadcast Camera with Optional, Digital Setup Control;

The Cost of Camera Mobility: Part I — Conventional Cameras, Part 2 — Lightweight Cameras;

A New Battery Belt System;

A New Approach to Space Ships and Aerial Scenes in TV Production;

A Primer on Vidicon-type Pickup Tubes;

Motion Picture Laboratory Technology

Motion-Effect Producing Devices, 1830-1980 (Origins of the Cinema);

"Solvit;" New Innovations in Film Splicing Technology;

REGENOMAT, An Electric Replenishment System Brings Remote Control to the Operator's Fingertips;

Silver Management in Motion Picture Laboratories;

Challenges to the Concept of Cancellation;

Design Challenges in Developing a New 16mm Film Editor;

New Processing Machine

Lighting and Sound for Television and Motion Pictures

The Development of Stereo Magnetic Recording for Film;

A Procedure for Optimizing Photographic Sound Recording Systems;

The Historical Development of Cinema Architecture and Its Acoustical Effect on Filmsound Recording;

The Emergence of Cinematographic Lighting Techniques from those of Still Photography;

High Power Single Ended Discharge Lamps for Film Lighting;

An Innovative Approach to HNI Fixture Design;

Digital Audio Technology, Today and Tomorrow

Videotape Recording

The Rise of Mechanical Television, 1901-1930;

The Development of the Video Tape Recorder;

The I.V.C. 1-11: A Different Approach;

Development of a High Band U-Matic Cassette Recorder;

Design of a TV Monitor; A New and Accurate System for Lining up, System Timing and Sub-carrier Phase;

VIDEOSCOPE: An Accurate Method for Certifying, Timing and Analysis of RS-170A Systems;

Automated Enhancement for Portable ENG Recorders

Computer Graphics

This Session will be devoted entirely to the subject of Computer Graphics.