

133rd SMPTE Technical Conference and Equipment Exhibit

Los Angeles Convention Center, Calif.

October 26–29, 1991

The 133rd SMPTE Technical Conference and Equipment Exhibit will open on Saturday, October 26, at the Los Angeles Convention Center in California, and will end on Tuesday, October 29.

The theme of the conference, "Advanced Motion Imaging – Enhancing the Universal Language," will touch on a vast number of new and forthcoming technologies, according to Program Chairman Rick Thomas, Eastman Kodak Co. "Moving images have been the universal language for more than 100 years. Yet today rapid advances are taking place in all technical areas, including computer imaging, high-resolution films, advanced TV, digital sound, HDTV, fiber optics, and electronic editing," Thomas said. "This year's theme allows the authors to address these many exciting topics."

Educational Program

Papers Presentations

During the conference, approximately 130 papers covering the latest developments in the motion-picture, television, and related industries will be presented by experts from both the U.S. and abroad. The papers program has been divided into 15 sessions: Restoration and Preservation, Digital Recording, From Production to Exhibition, Digital Processing and Compression, Special Applications and Sound, Digital TV Systems, New and Improved Film Systems, Advanced Television, Laboratory Equipment and Applications, HDTV Production and Graphics, Television Audio, Film-Electronic Interface I, TV Plant and Transmission, Film-Electronic Interface II, and Video Graphics and Effects. All sessions will take place at

the Los Angeles Convention Center.

"Highlights of these sessions will include the presentation of an electronic intermediate system for film, a paper on the interfacing of HDTV and motion-picture film, and presentations on digital post-production systems," Program Chairman Thomas said. "There are also exciting papers on digital sound in film, and the Advanced Television session will feature discussions of advanced television systems from around the world, some of which are still on the drawing board. In addition, all three of the major film manufacturers are introducing new color films, which will naturally enhance our universal language."

All-Day Tutorial Seminar

On Friday, October 25, at the convention center, a special all-day tutorial seminar will be held to complement the technical program. Entitled "Issues in Advanced Motion Imaging," the event will address the integration of the computer, film, video, and publishing industries. The program will include presentations by Ed Jones, Industrial Light and Magic; Chris Woods, a freelance special-effects supervisor; Glenn Kennel, Eastman Kodak Co.; Robert Greenberg, R/Greenberg Associates; and Bill Feightner, Composite Image Systems. Representatives from Quantel, RFX, Apogee, and Paramount Pictures will also participate. An eminent keynote speaker, who is a major figure in the industry, is promised. Bob and Gail Ringer, Ringer Video Services, are the organizers of the papers for this event.

Topics covered at the all-day tutorial seminar will include a demonstration and presentation featuring special effects from *Terminator 2*,

computer-generated imagery, digital technology for television commercials, compression technology, and what producers want from the technology. A panel discussion will conclude the event. A schedule of events is included in this article.

Workshop Program

Three hands-on workshops will be held in conjunction with the conference. The sessions – Film Bar Code in the Workplace, Television Test Signals and Equipment, and Computer Graphics – will be offered on Saturday, October 26, and Sunday, October 27, at the convention center. The two to three-hour seminars are intended for working professionals who need to update their skills in a specific area. The focus of the workshops will be on equipment that is already in use rather than the prototypes often discussed in the conference technical presentations. Each session will have ample time devoted to hands-on practice with state-of-the-art equipment. Registration is limited and will be on a first-come first-served basis.

Providing the overall direction for the conference are SMPTE Editorial Vice-President Frank J. Haney, Fox Television Stations, and SMPTE Conference Vice-President L. John Spring, Jr., Eastman Kodak Co. Haney is in charge of the technical program; the equipment exhibit and general arrangements are being directed by Spring.

Also providing service are Program Chairman Thomas and John Baptista, Consolidated Film Industries, and Alan S. Godber, Consultant, who are the Program Vice-Chairmen. Frank Ricotta, Technicolor, Inc., is Topic Chairman – Motion Pictures; and Dick Stumpf, Universal City Studios,

Program for Issues in Advanced Motion Imaging
An all-day tutorial seminar to be held October 25, 1991

Speaker, Affiliation	Topic
Registration	
Welcoming	
James Cameron, Director, Producer, and Co-writer of <i>Terminator 2</i>	To be announced
Ed Jones, Industrial Light and Magic	Demo and Presentation Featuring Special Effects from <i>Terminator 2</i>
Chris Woods, Freelance Special Effects Supervisor	Overview/Analysis
Glenn Kennel, Eastman Kodak Co.	Eastman Kodak High-Resolution and Electronic Intermediate System
Tim McGovern, Metrolight	To be announced
David Scammell, Quantel	The Next Generation of Paint and Compositing Systems
Bob Greenberg, R/Greenberg Assoc.	To be announced
John Lassiter, Pixar	Computer Animation
Ray Feeney, RFX	The Workstation
Bill Feightner, Composite Imaging Systems	Digital Technology for TV Commercials
Douglas Trumbull, Berkshire Filmworks	Flight Simulation
Paul Carey, Component Video	Component Design Elements of a Film Intermediate System
Laurence J. Thorpe, Sony Advanced Systems	The Imaging and Standards Quagmire
John Dykstra, Apogee	What Producers and Users Want from the Technology
Robert Kisor, Paramount Pictures	Digital Processing of Theatrical Film
Carl Rosendahl, Pacific Data Images	To be announced
Panel Discussion	
Wine and Cheese Party in Exhibit Hall	

is Topic Chairman — Television. Baptista is Chairman of both the Workshop and Seminar Programs. Lou Wolf, Universal Studios, is Chairman of the General Arrangements Committee.

Student Fair

A Student Fair will be held on October 26 in Room 212B of the convention center from 10 to 1 p.m. The fair, which is under the leadership of Bob Ringer, will be geared toward high-school and junior-college students, offering them an opportunity to meet with representatives from colleges, universities, and trade schools that offer programs on the technical aspects of motion pictures and television.

Admission will be free with a student I.D. card and will include entry to the exhibit area. The members of the Student Fair Committee are David J. Rabin, Consolidated Film Industries; Elizabeth Wolfe, Complete Post, Inc.; and Craig Curtis, Consultant.

Special Events

On Friday, October 25, a reception will be held in the exhibit hall of the Los Angeles Convention Center from 6 to 8 p.m. There will be wine and cheese and live music, and guests will have the opportunity to preview the equipment on display. The gala is sponsored by the exhibitors, and all registrants are welcome to attend this sneak-preview reception.

On Saturday at 9:30 a.m. at the convention center, the conference will officially open when SMPTE President Blaine Baker, MPL Film & Video, Inc., delivers the welcoming address. He will be followed by Engineering Vice-President Stanley N. Baron, NBC, who will present an engineering report. Immediately after Baron's talk, former SMPTE Engineering Vice-President Roland Zavada, who is retired from Eastman Kodak Co., will give the keynote address, which will cover the Society's 75-year history from an engineer's viewpoint.

Thirty-three people will be recog-

nized for outstanding contributions to the industry and the Society at the Honors and Awards Luncheon, which will be held on Saturday at 12:15 p.m. Academy Award-winning actor Gregory Peck will be the featured speaker at the luncheon, which will be held in Petree Hall of the convention center. *The technical sessions will begin immediately after the luncheon; the equipment exhibit will open at 10 a.m.*

On Sunday, October 27, 15 new Fellows will be inducted into the Society during the Fellows Luncheon, which will be held at 12 noon in Petree Hall of the convention center. A Fellow of the Society is one who is no less than 30 years old and has, by proficiency and contributions, attained an outstanding rank among engineers or executives in the motion-picture, television, or related industries. Burton "Bud" Stone, Deluxe Laboratories, Inc., will be the featured speaker. Stone attained the rank of Fellow in 1977. Attendance at this function is limited to Fellows and Life Fellows.

The Annual Cocktail Party, Banquet, and Dance will take place on Tuesday, October 29, at the Westin Bonaventure Hotel. The evening will feature fine food, dancing, and entertainment. Cocktails will be served at 7 p.m., and the banquet will take place from 8 p.m. till midnight. Companies wishing to reserve tables should contact Mary Connolly at SMPTE Headquarters for information.

Equipment Exhibit

The equipment exhibit will run concurrently with the technical program. More than 200 companies will display the newest products and latest innovations.

The hours for the exhibit will be 10 a.m. to 6 p.m. on Saturday, Sunday, and Monday, and 10 a.m. to 4 p.m. on Tuesday. This year the conference will feature a magazine-size conference program and exhibit directory that includes black-and-white and color advertising. Owing to its successful introduction last year, the New Product Introduction Room will again be a part of the conference.

This year exhibitors will have the opportunity to make an advance exhibit-space selection for the 1992 Equipment Exhibit in Toronto. In addition to the opportunity to reserve space early, exhibit personnel will be able to speak with Canadian Customs agents and representatives from the

Toronto Visitors and Convention Bureau.

As a courtesy to attendees, the SMPTE will provide a special follow-up lead service this year. All registrants will receive a post-show information request card to indicate which product categories interest them. Approximately 30 days after the conference closes, they will receive literature from all the exhibitors who manufacture or distribute products in the categories that were marked on the card.

Registrants at the all-day tutorial seminar or any of the conference technical sessions, workshops, or social functions will be granted free admission to the exhibit. *Please note:* No one under the age of 12 will be permitted on the show floor. Children between the ages of 12 and 15 must wear badges and must be accompanied at all times by an adult.

Registration Information

For those who did not register in advance, on-site registration will be available for all conference events beginning Friday, October 25, at the Los Angeles Convention Center, from 8 a.m. to 8 p.m. Thereafter, registration will take place from 8 a.m. to 6 p.m.,

Saturday through Tuesday, at the convention center.

Three money-saving registration packages will debut at this year's conference. Each package includes entrance to the all-day tutorial seminar, sessions, exhibits, and the Honors and Awards Luncheon. The packages differ in that some include admission to one workshop, two workshops, or a combination. This offer is open to both SMPTE members and nonmembers. However, nonmembers must pay an additional fee per package.

New SMPTE Book to Preview

Milestones in Motion-Picture Technology — The SMPTE 75th Anniversary Collection, a commemorative book celebrating the Society's 75th anniversary, will be made available at the 133rd conference.

The book contains 20 papers that were among the first to describe specific technologies. The papers, which were originally printed in the *SMPE Transactions* or the *Journal*, trace major developments within the motion-picture and television industries from the Society's inception in 1916 to the present.

The book will be sold at the confer-

ence for \$20 a copy to members and \$25 a copy to nonmembers. To place an advance order, write to the Marketing Dept., SMPTE Books, 595 W. Hartsdale Ave., White Plains, NY 10607, or call them at (914) 761-1100.

Committee Meetings

Most of the SMPTE administrative and editorial committee meetings will be held at the Los Angeles Convention Center. Committee members will be notified in advance of the time and place of their meetings. Engineering committee meetings will be held on Wednesday, October 30. A complete schedule will be available in the registration area of the convention center.

Shuttle-Bus Service/Sponsored Activities

The SMPTE will provide complimentary shuttle-bus service between the convention center and the Bonaventure and Hilton hotels.

The Society wishes to thank the following sponsors for their generous support: Dolby Laboratories, Inc. (Board of Governors Reception); Eastman Kodak Co. (Coffee Club); and Sony Corp. (Spouses Breakfast).

— Carol King

List of Exhibitors

As of August 27, 1991

Aaton Des Autres, Inc.
Abekas
Adams-Smith
ADC Telecommunications, Inc.
The Adelaide Works
Advanced Systems — PBA
A.F. Associates, Inc.
AGFA-BIS
Akai Digital
Alamar
Alesis Corp.
Allen Avionics, Inc.
The Allen Products Co.
AMEK/TAC U.S. Operations
American Society of Cinematographers
Ametron/American Electronic Supply, Inc.
AMS
Amtel Systems, Inc.
Angenieux Corp. of America
Anton Bauer, Inc.
Aphex Systems
Arcor Broadcast Products
Asaca/ShibaSoku Corp. of America
Atomic Film Co.
AT&T Network Systems
Audio Accessories, Inc.

Audio Precision
Audio Services Corp.
Avid Technology, Inc.
Avitel
Axial Corp.
Barco, Inc.
BHP, Inc.
Birns & Sawyer, Inc.
Blade Runner Technology
Bremson Data Systems, Inc.
Broadcast Store Inc.
BTS
Calculated Industries, Inc.
Calzone Case Co. West, Div. of Calzone Ltd.
Canon USA
Dwight Cavendish Co.
Central Dynamics 1991 Inc.
Century Precision Optics & Cartoni U.S.A.,
Div. of Century Precision Industries
Chapman/Leonard Studio Equipment Inc.
Alfred Chrosziel Film Technik/Band Pro
Chyron Corp.
Cinema Products Corp.
Cinematography Electronics Inc.
CineMills Corp.
Clark Wire & Cable

Colorgraphics
ComLogic, Inc.
Comprehensive Video Supply/
CV Technologies
Computer Assisted Technologies
Computer Prompting Corp.
Cooper Sound Systems
Corporate Communications Consultants, Inc.
Countryman Associates Inc.
Crouse-Hinds Cam-Lok Products
Delsynchro
Denecke, Inc.
Digital F/X
Dolby Laboratories
Dorough Electronics
D and S Corley Limited, trading as CorLab
Dan Dugan Sound Design
Dynatech Corp.
Eastman Kodak Co.
Ediflex Systems, Inc.
Editing Machines Corp.
Ensemble Designs
Euphonix
Evertz Microsystems Ltd.
Fairlight ESP Pty. Ltd.
Filmlab Systems International



An aerial view of Los Angeles.

F M Systems, Inc.
 FOR-A Corp. of America
 Fostex Corp. of America
 Frezzolini Electronics Inc.
 Fries Engineering, Inc.
 Fujinon Inc.
 GEPCO International, Inc.
 Getris Images
 G&M Power Products, Inc.
 Graham-Patten Systems
 Grass Valley Group
 Harrison By GLW Inc.
 Karl Heitz, Inc.
 Hitachi Denshi America, Ltd.
 Hollywood Film Co.
 Horita
 Ikegami Electronics
 Ikonographics/Pocket Pal
 Image Video
 Imagine Inc.
 Innovision Optics
 Inovonics, Inc.
 JBL Professional
 Jensen Transformers, Inc.
 J&R Film Co./Goldberg/Moviola/
 Acmade International
 KEM New York Inc.
 Koto Luminous Corp.
 Leitch Video of America, Inc. & HEDCO
 Lipsner-Smith Co.
 Magna-Tech Electronic Co. Inc.
 Mag-Zon Inc. (Zonal)
 Management Graphics, Inc.
 Manhattan Video Tape Inc.
 Matthews Studio Equipment
 Meret Optical Communications, Inc.
 Merlin Engineering
 Microtime, Inc.
 Microwave Networks Inc.
 Microwave Radio Corp.
 Midwest Communications Corp.

Minolta Corp.
 Miranda Technologies
 Mole Richardson Co.
 Motioncam
 NEC America Inc./Broadcast
 Nermal Electronics Inc.
 Neutrik USA Inc.
 NEVE, A Siemens Co. (also including AMS)
 Nikon
 Nova Systems Inc.
 NVISION, Inc.
 O'Connor Engineering/Q-TV
 Odetics Broadcast
 Omicron Video
 Optical Disc Corp.
 Optical Soundworks
 Otari Corp.
 Panasonic
 PERROTT Engineering Labs
 Pesa America Inc.
 Peterson International Enterprises Ltd.
 Pinnacle Systems Inc.
 Pioneer Communications of America, Inc.
 Prazisions-Entwicklung Denz
 Preston Cinema Systems
 Q-TV
 Quantel
 Quebec Government
 R-Columbia Products Co., Inc.
 Rank Cintel Inc.
 Rank Taylor Hobson Ltd.
 Research Technology International
 Rohde & Schwarz
 Roland Pro Audio/Video Group
 Sachtler Corp. of America
 Sanken
 Scantex
 ScheduALL by VisuALL Inc.
 Sigma Electronics, Inc.
 Skotel Corp.
 Solid State Logic

Solutec
 Sony Corp. of America
 Sound Ideas
 Soundmaster USA Inc.
 Steenbeck Inc.
 Studer ReVox America, Inc.
 Studio Film & Tape, Inc.
 Superedit
 Symbolics
 Sync, Inc.
 Teccon Enterprises Ltd.
 Tektronix, Inc.
 Telescript Inc.
 Telex Communications, Inc.
 Thomson Broadcast, Inc.
 Tiffen Manufacturing Corp.
 Trompeter Electronics Inc.
 TSM
 Ultimatte Corp.
 Ultra Light Mfg. Co.
 Unique Business Systems
 Ushio America, Inc.
 Utah Scientific
 VEAM, Div. of Litton Systems, Inc.
 Vega Wireless Microphones
 VGV, Inc.
 Video Central Inc.
 Video Design Pro
 Video Logic Corp.
 Videomedia SED
 Videotek, Inc.
 Vinten Broadcast, Inc.
 Vistek Electronics Ltd.
 Vyvx
 Wheatstone Corp.
 Winsted Corp.
 Wohler Technologies Inc.
 Xenotech, Inc.
 Yamaha Corp. of America
 Zaxcom Video