

The 125th SMPTE Technical Conference and Equipment Exhibit

October 30 – November 4, 1983, Los Angeles

The following is a tentative list of sessions in the technical program, as supplied by Program Chairman William Hogan, Ruxton Ltd. A more detailed listing will be found in the synopses and program booklets available at the conference.

Technical Program

Monday morning – October 31

Conference Opening

Monday afternoon

Electronics and Computers in Film and Television

Tuesday morning – November 1

Audio – Theater Reproduction Technology (Concurrent with Lab Practices I)

Lab Practices II (Concurrent with Audio Post-Production)

Wednesday morning – November 2
Production for Film and Television

Wednesday afternoon

Post-Production for Film and Videotape

Thursday morning – November 3

New Technology for Projection and Display

Friday morning – November 4

Advances in Video Technology

Friday afternoon

Video

Papers Program

As of August 8, 1983, the following papers were scheduled for presentation:

"Digital Video Supertrunking on Single Mode Optical Fibers," S. D. Personick, A. Jalali, T. V. Muoi, D. Arstein, and A. Jackson, *TRW Technology Research Center*, El Segundo, CA

"A New Look at 70-mm Sound – Proposed Revisions of the Magnetic Sound Tracks for Theatrical Release Prints," John Mosely, *Twentieth Century Fox Film Corp.*, Beverly Hills, CA

"New Developments in the Filtering of Photographic Solutions," Jeffrey I. Eden, *Eden Equipment Co., Inc.*, Huntington Beach, CA

"Adaptive Contrast Corrector Through Histogram Modification in Real Time," Michel Favreau and Serge Soca, *Thomson-CSF/DRT*, and Jean Bajon and Michel Cattoen, *Enseeiht*, Toulouse, France

"Studio 'M', An Experience in Sound," Christopher Stone and Dan Wallin, *Record Plant, Inc.*, Los Angeles, CA

"Manual and Automated Control of Multi-Channel Theatre Sound Systems," Lynn Allan McCroskey, *Sonics Associates, Inc.*, Birmingham, AL

"A Twelve-Inch Diameter Pump/Filter/Computer to Control Liquid Temperature to 100 GPM," Marvin Roberts, *Lab Methods Corp.*, Canoga Park, CA

"A Computerized FCC/RGB Data Collection System," Marvin Roberts and Joseph Wary, *Lab Methods Corp.*, Canoga Park, CA

"A Survey of Recent SMPTE Standards and Test Films for Audio Recording and Reproduction," Michael J. Strong, *World Wide Pictures*, Burbank, CA

"Safe Application of Isolation Transformers and Safe Grounding of Electronic Systems for Common-Mode Noise Control," Warren H. Lewis, *Computer Power Systems Corp.*, Gardena, CA

"The Development and Application of Microcomputer Software for Motion Picture and Television Production," Jack C. Smith, Los Angeles, CA

"A Multiprocessor System for Computer Assisted Post-Production Sound Mixing," David Harrison, Henry Martin, Brooks Trace, and Jess West, *Harrison Systems, Inc.*, Nashville, TN

"New Factors in Theater Loudspeaker Design," Tomlinson Holman, *Lucasfilm Ltd.*, San Rafael, CA

"Magnetic Films Compared," Tomlinson Holman, *Lucasfilm Ltd.*, San Rafael, CA

"Electronic Crossover for THX Loudspeaker System," Tomlinson Holman, *Lucasfilm Ltd.*, San Rafael, CA

"The Use of EBU/IRT and SMPTE Code for Film Editing," Wolf-Ruediger Otto, *W. Steenbeck GmbH & Co.*, Hamburg, Germany

"Static Control in Film Transport Systems," Kenneth J. Clum, Hugh R. McNair, and John P. Pytlak, *Eastman Kodak Co.*, Rochester, NY

"Grounding and Proper Use of Isolation Transformers," J. T. Kalbach, *Kalbach Engineering*, Altadena, CA

"Practical Contemporary Projection Room Design," Don Helgeson and Ken Rapier, *I.A.T.S.E. Local 110*, Evanston, IL

"The Methodology of Supply Program Audio for the 1984 Los Angeles Summer Games, or Video Without Audio in Only Half a Show," Dave Herman, *American Broadcasting Co.*, Hollywood, CA

"The OTS-1 Optical Sound Track Simulator," Terry Beard, *Nuoptix Inc.*, Westlake Village, CA

"Computer Control of Audio for Video Production Editors," John E. Juhasz, *ADM Technology*, Troy, MI

"The Meteorological Information System and Its Application to the Weather Forecasts," Yoshikazu Higashiyama, *NHK (Japan Broadcasting Corp.)*, Tokyo, Japan

"Using Dolby Stereo Variable Area Sound Track as a Release Format," John Bonner, *Warner Hollywood Studios*, Los Angeles, CA

"Film to Tape: An Operator's Perspective," Steve Irwin, *Image Transform, Inc.*, N. Hollywood, CA

"A Comparison of Various Television Systems to 35-mm Film," Tom Mann, *Image Transform, Inc.*, N. Hollywood, CA

"Broadening Video/Graphics Applications," Eugene Leonard, *Quanta Corp.*, Roslyn, NY

"Automated Process Monitoring,

Emulsion Evaluation, and Printer Control Using an Apple Computer ...And Its Place in a Computerized Film Laboratory," Nigel S. Varian, *Photo Micro Systems Ltd.*, Oxfordshire, England

"The Care and Handling of Brite Arc and Brite Beam Lamps," Donald A. Richardson and Warren C. Gungle, *GTE Lighting Products Co.*, Salem, MA

"Star Configuration Outshines Multidrop for Machine Control," Scott Schaire, *Grumman Aerospace Corp.*, Great River, NY

"A Practical Wide-Range, Wide-Band Playback System for Motion-Picture Theaters," John F. Allen, Newton Centre, MA

"Two New Fujicolor Motion-Picture Negative Films," Hisao Kishimoto and Makoto Hara, *Fuji Photo Film Co., Ltd.*, Kanagawa, Japan

"Technical Experience with DATAKODE Magnetic Control Surface," Ronald E. Uhlig, *Eastman Kodak Co.*, Rochester, NY

"A Low-Contrast Color Print Film," S. J. Powell, K. J. Carl, J. W. Erwin, I. A. Halman, C. Didier, and B. Gagny, *Eastman Kodak Co.*, Rochester, NY

"Sound Track Application Detector," Terry S. Silliman and Ronald E. Uhlig, *Eastman Kodak Co.*, Rochester, NY

"The Theater Quality Evaluation Program — SMPTE Engineering Committee Report," John P. Pytlak and Kenneth M. Mason, *Eastman Kodak, Inc.*, Rochester, NY

"Some Positive Ways to Handle Negative," J. P. Pytlak, A. W. Fleischer, W. J. Soules, and B. Stone, *Eastman Kodak Co.*, Rochester, NY

"Choosing EASTMAN Color Negative Film 5247 or EASTMAN Color High Speed Negative Film 5294," G. Kennel, E. F. Ortman, R. C. Sehlin, and F. R. Reinking, *Eastman Kodak Co.*, Rochester, NY

"Silver Recovery Management for Motion Picture Laboratories," Paul J. Mutter and Steven J. Powell, *Eastman Kodak Co.*, Rochester, NY

"In-Situ Precipitation as the Regeneration Step in Ion Exchange for Silver Recovery," P. R. Quinones, *Eastman Kodak Co.*, Rochester, NY

"Optimizing the Screen Quality from Color Duplicates," R. J. Guerin, W. A. Szafranski, and C. B. Hunt, *Eastman Kodak Co.*, Rochester, NY

"The Interface of Motion Picture Films and Television," K. G. Lisk and

R. C. Sehlin, *Eastman Kodak Co.*, Rochester, NY

"Development of a Real Time Registration Adjustment System for a Color Camera," Kazuli Iwabe, Kunio Yamauchi, Shizuka Ishibashi, and Fumio Ukigaya, *Hitachi Denshi, Ltd.*, Tokyo, Japan

"Shading-free Digital Registration Correction for Three-Tube Color Camera," S. Ishibashi, K. Takahashi, and F. Ukigaya, *Hitachi Denshi, Ltd.*, Tokyo, Japan

"Innovations in Audio System Configurations for Analog and Digital Formats," Percy M. Hollingsworth, *Technical Opportunities Inc.*, Hollywood, CA

"Aquacolor® Underwater Camera Systems — Breaking the Available Light and Color Barriers Underwater Using Eastman Color High-Speed Negative Film," W. Tuckerman Biays, *Aquacolor Pictures*, Key Largo, FL

"New Methods and Technology for Treating Film Laboratory Effluent," Robert T. Kreiman and John J. Hewitt, *Pace International Corp.*, Culver City, CA

"A New ENG Recording Camera Using a 1/2-in. Cassette," Minoru Inatsu, Toshiaki Kawamura, Susumu Kasai, Tamotsu Tominaga, Hiroshi Noguchi, and Nobutshi Sakuraba, *Hitachi Denshi, Ltd.*, Tokyo, Japan

"The Development and Application of Colorization," Wilson Markle, *Mobile Image Canada Ltd.*, Toronto, Canada

"Automation for Audio Production and Post-Production," Sid J. Price, *Audio Kinetics Ltd.*, Herts, United Kingdom

Equipment Exhibit

The exhibit is almost completely sold out, with over 200 companies participating. In addition to those firms listed in the directory of exhibitors published in the September, 1983, issue of the *Journal*, the following companies are planning to exhibit their equipment:

Amtel Systems, Inc.
Beston Electronics, Inc.
Bill Daniels Co., Inc.
Broadcast Communications Mag.
Carter Equipment Corp.
Corp. Communications Consultants
Datum, Inc.
Digital Video Systems, Inc.
Digitrol, Inc.
Elicon
Fries Engineering, Inc.
G & M Power Products
Karl Heitz, Inc.
Leitch Video
Proton USA, Inc.
Q-TV
Shintron, Inc.
Studer Revox America, Inc.
Telemet
West Coast Audio

Blood Pressure Testing

For the convenience of those attending the conference, a blood pressure screening program will be held under the sponsorship of the Will Rogers Memorial Fund. Two teams of nurses will supervise the program, which is free of charge. Everyone is urged to take advantage of this important service, which may alert unsuspecting persons to this condition.



Marina del Rey, Los Angeles.