

# Los Angeles Technical Sessions Filling Up As Paper Submissions Accelerate

The Technical Program of the SMPTE Conference is rapidly taking shape as paper submissions continue to arrive at the offices of the Topic Chairmen, the Program Chairman, and SMPTE Headquarters. The conference is set for the Century Plaza Hotel in Los Angeles, Sept. 28–Oct. 3. According to Program Chairman **Julian Hopkinson**, Agfa Gevaert, most of the sessions are pretty well complete, with time for only one or two papers still available. Other sessions are still open, but they are expected to be filled quickly when tentative commitments are made final.

With three months left before the Conference begins, the following papers, organized by session topics, have been received.

## Television Practices

Sub-Nyquist Encoded PCM NTSC Color TV.

Two Kinds of 16mm Fujicolor Reversal Film. Format Requirements for an NTSC Type Videodisc System.

Computerized Film and Tape Library.

ASCII-Compatible Time Code System Using Microcomputers.

An Overview of Videodisc Technology: Some Possible Influences on Media Management in the Near Future.

Interactive Video Disc Systems for Education. A Y-I-Q VTR Signal System.

Frame Accurate Editing on the U-Matic Format.

A Television Frame Indexing System.

## Laboratory Practices

A Special Purpose Optical Reduction Printer. An Interchangeable Format Continuous Contact "Total Immersion" Wet Printer.

A Versatile Printer Control System.

Wet Printing — Motion Picture Films — By Means of Liquid Application on a Variable-Speed Step-Optical Printer.

A New Color Process for Titles and Art Work Using a Modified Aerial Image System.

Technicolor's Process Control Computer, Phase 1: The System for Computerized Printer Lites.

Computer Surveillance of Film Printing — Phase II.

Reflections on the Optics of Wet Printing.

Optical Printer Modernization Program at Technicolor.

Hand Operated Film Lubrication Machine.

Motion Picture Techniques for a Unique Film Strip Format.

An Improved Densitometer for Motion-Picture Use.

Pictorial Density, A Different Kind of Density Measurement.

What is Wrong with the Frame Count Cueing System?

Production of Magnetic Soundtracks on Super 8 Release Prints.

Optical Printing with a Light Source That Removes Film Scratches.

## Sound Systems

Digital Information Storage and Retrieval for Multi-Camera Random Filming, Using Rental Motion Picture Cameras.

An Effective Dynamic Range for Audio Recording and Reproduction.

The Relative Output of Optical Soundtracks. Quintaphonic Sound.

A Time Code Synchronization System for Video.

Super-8mm Double System Sync Production/Post Production.

## Motion-Picture & Television and Photo-Science

"Astrovision": High Speed Jet Cinematography.

The Hedderich 3-D 16mm System.

Technological Implications of Film in a News Environment — A Status Report.

A New Color Duplicating Film.

Evaluation of Color Rendering in Film for Television.

Matching Telecine and Direct Projection Tone Scale of Color Films.

## Unconventional Image Forming & Holographic Techniques

Holographic Diagnostics for the LLL Laser/Fusion Program.

The Use of Holography in Conservation, Preservation, and Historical Recording of Art.

Operational Aspects of the SynthaVision Process.

Measurement of the Rate of Cellular Elongation in *Phaseolus vulgaris* L. Using Double Exposure Holographic Interferometry.

## Plant and Industrial Engineering

The Adaptation of School Stages for Media Studio Use.

Cost Efficient Design of Mechanical Systems for Film Laboratories.

Management of Process Chemical Facilities.

The Industrial Engineer and Plant Design.

How to Manage a Plant Relocation.

The Impact of Fresh Thinking on Laboratory Facilities.

## Theatre and Projection Practices

The Reflective Hologon: A Film Projection

System for Super 8, 16 and 35 mm, Consisting of Only One Rotating Part.

Facing the Responsibility for Film Damage.

Recent New Projectors Designs for the Multi-Mini Theatre.

Screen Image Quality in the Multi-Mini Theatre.

## Pollution Control Systems

Color Film Processing & Environment Protection.

## Mini-Conference for Students & Technicians

How Color Photography Works.

Video & Film: Specialized Services (Video Cassette to Quad Dubs, The Tape and Film Butterfly Camera, Programed Pan and Tilts for Special Effects).

## Newsgathering for TV

The Growth of Electronic News Gathering.

The Gathering of Television News.

## Lighting

A New Direct-Reading Three-Color Meter.

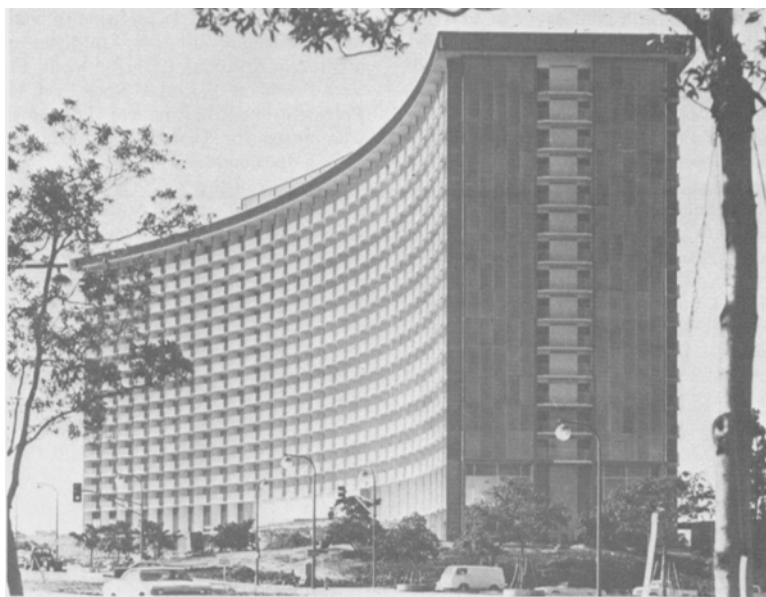
A System to Obtain Flicker Free Pictures with Metal Halide Lamps for Film Production.

## Equipment Exhibit

The 117th Conference Equipment Exhibit will be the largest in SMPTE history. According to Exhibit Chairman **Warren Strang**, Hollywood Film Co., more than 122 booths have been taken. In spite of the overwhelming demand for space, Strang said, every effort will be made to accommodate other companies that wish to participate in the equipment exhibit.

## Special Issue of SMPTE Journal

Next month's *Journal* (August) will be the Special 117th Conference Preview issue. The issue will contain the Advance Program, the Directory of Exhibitors, hotel information, registration information, and details on social events and the activities for spouses. Don't miss this important issue!



Century Plaza Hotel, Los Angeles, the site of the 117th Conference.