

news and reports

112th Technical Conference and Equipment Exhibit October 22-27, Century Plaza Hotel, Los Angeles



Warren Strang
Exhibit Chairman

SMPTE returns to Los Angeles and the hospitality of the beautiful Century Plaza Hotel for its 112th Technical Conference and Equipment Exhibit. The Society, which meets in Los Angeles every 18 months, and has done so for many years, is assured of one of its finest meetings. This will not be just another SMPTE Conference. As shown below, the program, three months before Conference time, has already developed into an interesting and comprehensive array of papers for the engineer and scientist. The exhibit shows early signs of attracting most major manufacturers and suppliers of professional film and TV equipment which guarantees a particularly interesting show. It has been said that several exhibitors intend to introduce new equipment and go all out with extraordinary displays.

There will also be several interesting social events throughout the week including a Sunday evening wine and cheese party sponsored by Fuji Photo Products, U.S.A., the Monday noon Get-Together Luncheon, and the Wednesday evening Cocktail Party and Banquet.

Special Pre-Conference Disneyland Visit

Conference Vice President **Harry Teitelbaum** announced that **Jack Goetz**, Consolidated Film Industries, has made an arrangement for a visit to Disneyland on Friday evening, Oct. 20, 8:00 p.m. to 1:00 a.m., for those members who will be in Los Angeles on that day.

The cost of admission is \$4.25 which includes free parking and unlimited rides.

Those who wish to participate should send a check or money order in the amount of \$4.25 per ticket in a stamped, self-addressed envelope, to Mr. Jack Goetz, Public Relations Director, c/o Consolidated Film Industries, 959 Seward St., Hollywood, Calif. 90038. Tickets will be sent as soon as possible.

Equipment Exhibit

Exhibit Chairman **Warren Strang** reports an extremely heavy response for booth space for this upcoming exhibit, and as he said earlier, a sellout of all booths is expected. Booths

went on sale at the end of July and booth assignments will be made on September 5. A directory of exhibitors will be published in the September Special Conference Preview Issue of the *Journal*.

The exhibit opens at 5:00 p.m. on Monday, Oct. 23, with the Exhibitors' Open House where refreshments will be served to all in attendance. Admission to the Exhibit is by registration badge or Exhibit pass. Exhibit passes will be available at the Registration Desk for \$2.50 each.

Advance Registration and Hotel Reservations

SMPTE members will receive Advance Registration and hotel reservation materials in the mail some time in late August or early September. It is recommended that these materials be used for registration to avoid standing in line at the Conference. For hotel reservations, it is strongly advised to use the card you will receive since the SMPTE receives special rates which can only be obtained if you use that card. Complete information on advance registration and hotel rates and reservations will be published in the September *Journal*.

The Papers Program

The papers program for the 112th Technical Conference is making good headway. Program Chairman, **Dr. Frank P. Brackett, Jr.**, has confirmed the name of **Ralph Westfall**, Eastman Kodak Co., 6706 Santa Monica Blvd, Hollywood, CA 90028, as Associate Chairman for this conference.

A program sessions outline has been drawn up and many paper titles are already known. This is, of course, only a tentative grouping and changes may become necessary, as more program material becomes available. The influx of papers on Television subjects, for example, is so considerable that it appears necessary, already, to split up the topic into at least two full sessions, one of which will be on industrial CCTV. For these reasons members are asked not to do their final planning for session attendance until the more complete Advance Program becomes available in next month's *Journal* (September).

The tentative outline now appears as follows:

Monday

- AM Laboratory Practices Session I
- AM Television Systems Session I
- PM Laboratory Practices Session II
- PM Television Systems Session II
- EVE "Color It Right"

Tuesday

- AM Photosensitive Materials for Motion-Picture and Television Practices
- PM Sound Recording and Reproduction

Wednesday

- AM Theater Presentation Practices
- AM Motion-Picture Taking Systems
- PM Small Format Films

Thursday and Friday

A Full Two-Day Symposium on Communications Satellites and CATV

Titles of papers tentatively scheduled at present are as follows, with many more papers expected to come in the next few weeks:

- "Decision Making in Camera Design"
- "Recording and Reproducing 16 Soundtracks within 5mm Film Width"
- "An Improved System for Theatrical Reproduction of 35mm Optical Sound"
- "Treatment of Complex Cyanides for Reuse and/or Disposal"
- "Datacue Programmer"
- "Computerized Printer and Process Control"
- "Automated Information Storage System for Use with Electronic Analyzers"
- "A Multi-Purpose Total-Immersion Contact Wet Printer"
- "Film Handling"
- "The Ultrasonic Splicer — History and Design"
- "The Potentials of Reticules for Film Dimension Evaluation"
- "Film Surface Treatment and a New Process"
- "Comments on Optical Printing Wet Gate"
- "Professional Prints for the Professional Super 8 Producer"
- "Xenon Lamp Safety Study"
- "A Simple Motion Detector for Television Signals"
- "A Color Converter and its Application for Measuring Human Color Preferences in Color Television"
- "Recent Advances in Helical Scan VTRs for Color Broadcast Editing"
- "An Automatic Color VTR Programmer for Cable and Closed Circuit TV"
- "World Public Access Television"
- "Using Video for Business Communications"
- "Television Receiver White Color: How Does it Affect Picture Quality?"

- "The Average Picture Level of Some Television Films"
- "Use of a Waveform Monitor in a Television Film Preview Room"
- "Time Compression Multiplex for Color Picturephone Analog Transmission"
- "Progress Report of the JCIC Ad Hoc Color Television Study Committee"
- "Recent Developments in Electronic Indexing and Editing of Magnetic Tape"
- "Color It Right!"
- "Signal-to-Noise Measurements in TV Systems"
- "Pyrotechnical Specific Effects in Motion Pictures"
- "A Twenty-Four Volt Standard for Audio-Visual Equipment"

In addition to the papers program several special events are in the planning stage. SMPTE President **Wilton R. Holm** will chair a Round Table Discussion on "The Great Film-Tape Debate — Co-existence or Conflict?" **Neal Keehn** has agreed to act as Chairman for a Panel Discussion on Photosensitive Materials. Leading scientists, engineers and executives will represent all manufacturers of photosensitive materials.

The Satellite and CATV Symposium will include a detailed review of the state of the art in the U.S.S.R. and the Soviet Domestic Satellite Program. This should prove to be specially interesting for members of the SMPTE, because up to the present nothing has been printed about this subject. In addition papers will be presented by personalities from the satellite manufacturers and operators and from the FCC.

In the CATV field, communication to the individual home as well as possible theater use will be considered, that is, all technical aspects related to the commercial entertainment use of this new medium, domestic and abroad.

Also a survey of small-format films is being planned.



ARE YOU A MEMBER OF SMPTE?

If you are not now regularly receiving the **SMPTE JOURNAL**, participating in the Society's local Section meetings and semiannual Technical Conferences, or being informed about the technological studies of our industry made by the Society's engineering committees . . .

Write for membership particulars to:

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Telephone: (212) TN 7-5410



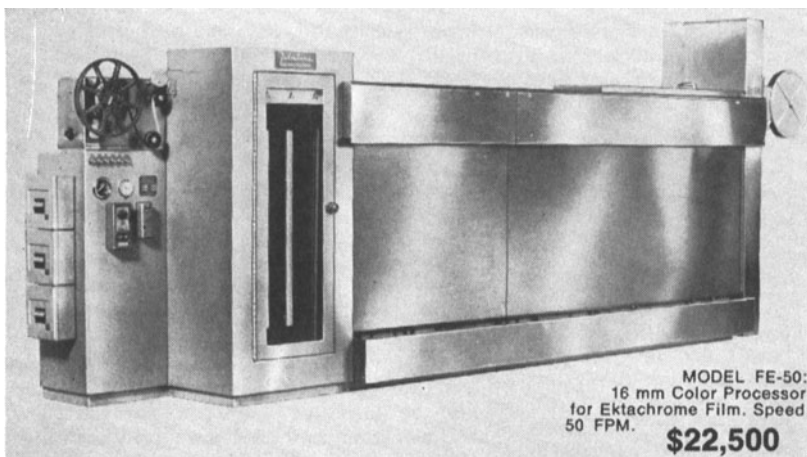
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Partial listing of Filmline Color Installations: — NBC- New York, NBC- Washington, NBC- Cleveland, NBC- Chicago, CBS & ABC Networks, Eastman Kodak, Rochester.

Laboratories: De Luxe Labs, General Film Labs (Hollywood), Pathe-Labs, Precision Labs, Mecca Labs, Color Service Co., Capital Film Labs, Byron Film Labs, MGM, Movie Lab, Lab-TV, Technical Film Labs, Telecolor Film Labs, Guffanti Film Labs, A-One Labs, All-service Labs, NASA Cape Kennedy, Ford Motion Picture Labs.

TV Stations: WAPI-TV, WHP-TV, WMAL-TV, WXYZ-TV, WWL-TV, WMAR-TV, WJXT-TV, KETV-TV, WTOP-TV, WEAT-TV, WCKT-TV, WAVE-TV, WAVY-TV, KTVI-TV, WCPQ-TV, KTAR-TV, WSYR-TV.



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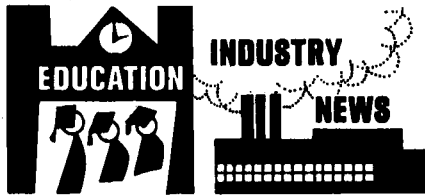
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One Class II Academy Award and five Class III Academy Awards for scientific or technical achievements were presented in 1972. The Class II award was presented to John N. Wilkinson of Optical Radiation Corp. for the development and engineering of a system of xenon arc lamphouses for motion-picture projection. The award-winning lamphouse consists of a specially designed xenon arc bulb, horizontally mounted on the axis of a computer-designed aspheric metal mirror which nearly surrounds the bulb. The mirror is able to collect over 85% of the light energy from the high-intensity xenon arc and direct it to the film gate to provide extremely high aperture efficiency and light uniformity. The lamphouse is capable of projecting 55,000 lm of light output. (See p. 584 of the July 1972 *Journal*.)

The Class III Awards were presented to (1) Thomas Jefferson Hutchinson, James R. Rochester and Fenton Hamilton for the development and introduction of the Sunbrute system of xenon arc lamps for location lighting in motion-picture production; (2) Photo Research, Div. of Kollmorgen Corp., for the development and introduction of the film-lens balanced Three Color Meter; (3) Robert D. Auguste and Cinema Products Co. for the development and introduction of a new crystal-controlled lightweight motor for the Arriflex 35mm camera; (4) Producers Service Corp. and Consolidated Film Industries, and to Cinema Research Corp. and Research Products, Inc., for the engineering and implementation of fully automated blowup motion-picture printing systems; and (5) Cinema Products Co. for a control motor to actuate zoom lenses on motion-picture cameras.

The Society of Photographic Scientists and Engineers, 1330 Massachusetts Ave., N.W., Washington, DC 20005, has announced forthcoming events through February 1974. The planned colloquiums and symposiums include: The Physics and Chemistry of Silver Halide Crystals, Aug. 23-25, 1972; Photographic Science and Engineering in the Graphic Arts, Oct. 25-26, 1972; Color: Theory and Systems, Nov. 2-4, 1972; Micrographic Science—1973; Feb. 1-2, 1973; SPSE Annual Conference and Seminar, May 6-11, 1973; Specialized Photographic Topics (international colloquium to be held in Tokyo), Sept. 13-15, 1973; Photographic Color Technology—TV, Processing, Finishing, Oct. 24-27, 1973; Space Flight Photographic Science and Engineering, Feb. 13-15. Further information is available from Russell P. Cook, Polaroid Corp., 730 Main St., Cambridge, MA 02139.

The University of Southern California is the recipient of 30 taped interviews with famous filmmakers presented by the American Society of Cinematographers.

Directory for Members

The Directory for Members, containing the alphabetic list of individual members, will be available in August as a separate publication and not as Part II of the *Journal* as in previous years, a change made necessary because of the tightening of postal regulations. Another change is that the Directory is available in August rather than in July, a delay resulting from conversion to computer operation.

The Directory containing the complete list of members, in addition to the list of Officers of the Society, Sustaining Members and other reference material, is published biennially. On alternate years, the Directory contains all reference material with the exception of the list of individual members. A list of new members appears from time to time in the *Journal*.

The Directory is published as a service to the membership of the Society as a means of providing information about the Society and as a means for facilitating

The collection of tapes will be housed in the library of the USC School of Performing Arts. The collection was received on behalf of the university by Robert Knutson, Head of the USC Library Special Collections Dept., and Sol Lesser, producer, USC Cinema Professor and Chairman of the USC Performing Arts Coordinating Council. The Council is dedicated to acquiring historical artifacts and documents from all the arts for future study in the Performing Arts Library. ASC was represented at the presentation ceremonies by Hal Mohr, Past-President and Charles C. Clarke, Treasurer.

The Photographic Process as a Scientific Instrument, an intensive program designed to assist engineers, scientists and technicians in applying photography to the acquisition of data, will be held Sept. 18-22 at the Rochester Institute of Technology. The program is sponsored by RIT's College of Graphic Arts and Photography and is open to persons with the B.S. degree or its equivalent experience in physics, chemistry or engineering. Subject matter to be covered will include sensitometry, statistics, chemistry, color, image evaluation and photographic instrumentation. Further information is available from William D. Siegfried, Training Director, Graphic Arts Research Center, Rochester Institute of Technology, One Lomb Memorial Dr., Rochester, NY 14623.

The Film School, 1001 Massachusetts Ave., Cambridge, MA 02138, has announced the Recording Techniques Workshop as part of its planned fall program. The Workshop provides intensive training in location and studio recording, for both sync and non-sync applications. Topics include: acoustics and their modification; basic audio electronics; microphones vs. the ear; vocal and music recording; and special effects, including the synthesizer. Students will have access to Nagra recorders, a full complement of microphones and a complete 8-track studio. The students will be able to produce soundtracks for film being made in other workshops. The class will be offered, depending upon the enrollment.

communications among the members. The changes noted above will not affect the contents of the Directory.

Booklet About Membership Information

SMPTE Membership Information, a 16-page booklet providing information about the Society and its membership, is available from SMPTE Headquarters. The booklet is especially useful to officers and managers of the Sections, as well as to other officers and members, since it expresses in a succinct style basic information for prospective members of the Society. It answers questions that might occur to prospective members and it is also useful to members as a means of refreshing their memories concerning specific aspects of the Society. The booklet is available upon request, in any quantity deemed useful, from the Membership Secretary, SMPTE, 9 East 41 St., New York, NY 10017.

The Film School is expanding its fall program to include intensive one- and two-year programs in addition to part-time film study. Courses will include super-8 and 16mm Filmmaking Laboratories; Video Workshop; A Media Workshop for Teachers and a series of seminars in Film History and Genres.

The Rochester Section of the SMPTE and the Rochester Chapter of the Society of Photographic Scientists and Engineers (SPSE) have jointly presented awards to six seniors in the College of Graphic Arts and Photography in the Rochester Institute of Technology, for theses submitted in the annual Awards Contest. Ira M. Long and Alan F. Turner together received first prize for their thesis, "An Investigation into the Image Diffusion of a Kalvar Emulsion Upon a High Intensity Short Duration Exposure." Other prizes were awarded to David A. Turbide and Michael T. Williams for their thesis on "A Real Time Investigation of the Kinetics of Lith Development" and to Mary A. Maier for her thesis on "Luminosity and Color Rendering Capability of White Light." Harvey Duze received an award for his motion picture, *Subway*.

The Kodak Silver Recovery System using two pieces of equipment—the Kodak Chemical Recovery Cartridge, Type P or Type 3, and the Kodak Circulating Unit, Type P—is described in a 12-page illustrated brochure available from Eastman Kodak Co., Professional, Commercial and Industrial Markets Div., Rochester, NY 14650. The system is intended especially for use in removing silver from the overflow streams of automatically replenished processing systems. The recovery cartridge functions by chemically replacing the silver in solution with another metal. The Kodak Chemical Recovery Cartridges are designed so that they do not generate combustible or explosive gases, such as hydrogen, during the recovery process.

Video Engineering Co., Riggs Rd. at First Pl., N.E., Washington, DC 20011, has an-