

It might seem that there is little likelihood that the energy consumption heat release to the atmosphere might ever reach the critical value of 1/2% of that absorbed from the sun — the amount which Professor White believes might be of considerable concern. It might come as a shock, therefore, to learn that even today there are significant amounts of heat being discharged to the environment in major urban areas throughout the world. In Manhattan Island, for example, the energy consumption

heat release is 6.5 times the average energy received from the sun; in Moscow it is three times.

It would seem, therefore, that if only for ecological reasons we must reduce our growth rate of energy consumption, and hasten the transition from fossil fuels to cleaner, less polluting sources of energy. Time may no longer permit us the luxury of not planning ahead.

115th Technical Conference and Exhibit Apr. 21-26, Century Plaza Hotel, Los Angeles

Frank Capra, internationally known film director, will be Guest Speaker at SMPTE's 115th Conference Get-Together Luncheon, it was announced by SMPTE President **Byron S. Roudabush**.

Capra received three Academy Awards for his film direction. Among his films now regarded as classics are: *It Happened One Night*; the original *Lost Horizon*; *Mr. Deeds Goes to Town*; *You Can't Take It With You*; *Mr. Smith Goes to Washington*; *Arsenic and Old Lace*; and *State of the Union*.

In February 1973 Capra was presented with an SMPTE Special Recognition Award "... in appreciation for his many outstanding contributions to the motion-picture industry." Capra had been a member of the SMPTE exchange group that visited the Russian motion-picture industry in October, 1963.

The Conference Papers Program promises to be interesting and important. Several subjects appear on the program for the first time. This reflects an effort by Program Chairman **Fred Scobey** to bring to the Conference the latest developments in motion-picture and television technology. Moreover, to keep the film and TV fields attuned to current practices in all subject areas, each session will open with a tutorial paper delivered by a recognized expert in the field. Thus all levels of interest will be accommodated. The complete Advance Program appears on the following pages.

The Equipment Exhibit looks as if its going to be a major success, according to Exhibit Chairman **Warren Strang**, Hollywood Film Co. At the time this story was written, two months before the Conference, only 14 of 92 booths were left unsold. Exhibitor response has been excellent for this show with a full range of professional film and TV equipment planned for display. A directory of exhibitors with descriptions of equipment, appears following the Advance Program.

The Exhibit opens Monday, April 22, at 5:00 p.m. with the Exhibitors' Open House. Exhibit Hours are shown at the beginning of the Exhibit Directory.

Committee Meetings

SMPTE Engineering Committees will meet during the 115th 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.



Frank Capra
Guest Speaker

Coffee Club

The Coffee Club at the 115th Conference will be open Monday through Thursday and will be sponsored by the Philip A. Hunt Chemical Corporation.

Ladies Program

Women attending the Conference are in for great week of fun. Ladies Committee Chairman **Mrs. Doris Scobey** and Co-Chairman **Mrs. Eve Kloepfel**, have tentatively planned activities that should please just about everyone. On Monday, there will be an astrology lecture by Alice Reichard in the morning and a tour of the Harold Lloyd estate in the afternoon. Tuesday the ladies will tour Los Angeles Harbor, with brunch and shopping of Ports O'Call. Wednesday features brunch at Santa Ynez Inn, followed by a visit to the Paul Getty Museum. Thursday there is either a trip to Disneyland, or a day at the races at Hollywood Park. Each day will begin with a continental breakfast and door prizes in the ladies hospitality suite.

SMPTE Banquet

The SMPTE Banquet will be held Wednesday evening, April 24th in the Los Angeles Ballroom of the Century Plaza. A fine evening of entertainment and a splendid dinner are planned. Companies wishing to reserve tables at the Banquet should get in touch with the Banquet Chairman, **Jack Leahy**, RCA, 2700 W. Olive Ave., Burbank, CA 91505. Tables, which are in limited supply, will be reserved on a first-come, first served basis. The Pre-Banquet Cocktail Party will be sponsored by Treise Engineering and Frank Holmes Laboratories.

Message Center

A message center will be set up in the registration area of the Conference to accept messages for those attending the Conference. The message center, which is provided and staffed by the Pacific Telephone and Telegraph Co., will be open from Monday through Thursday, 8:00 a.m. to 5:00 p.m., and on Friday, 8:00 a.m. to noon. The number of the direct line, which will be available for incoming calls only, is (213) 277-1890.

Cassettes

All papers will be recorded and be made available on cassettes. The price per paper will be \$5.00; slightly more for panel discussions. Orders will be taken at the Conference. The cassettes will be ready shortly thereafter.

Hotel & Motel Reservations

The postage-paid reservation card sent to members must be used to reserve accommodations at the Century Plaza Hotel. If you wish to receive the special reduced rates, make your room reservations early because there is a limit to the number of rooms at the special rates. Rooms at the Century Plaza are being held for SMPTE registrants only until April 12.

Hotel Rates

Single	\$26.00	\$34.00	\$36.00
Twin or Double	36.00	44.00	46.00

For those who do not wish to stay at the Century Plaza, the SMPTE has made arrangements at several motels near the Century Plaza to hold rooms especially for SMPTE Conference registrants. All of the following motels are no more than one mile from the Century Plaza. If you wish to stay at one of these motels, write to them immediately. Be sure to specify that your stay will be in connection with the SMPTE Conference.

Los Angeles West Travelodge
10740 Santa Monica Blvd.
Phone: 213/474-4576
Rates:
\$14 (Single)
16 (Double)
18 (Twin)

Royal Westwood Motel
2352 Westwood Blvd.
Phone: 213/475-4551
Rates:
\$14 (Single)
16-20 (Double)

Cavalier Motel
10724 Wilshire Blvd.
Phone: 213/474-4561
Rates:
\$16-28 (Single)
28-31 (Twin)

Beverly Hillcrest
1224 S. Beverwil Drive
Phone: 213/277-2800
Rates:
\$27-34 (Single)
32-40 (Double)

Del Capri Hotel
10587 Wilshire Blvd.
Phone: 213/474-3511
Rates:
\$16 (Single)
19 (Twin)
20-28 (2-room suite)

Beverly Crest
125 S. Spaulding
Phone: 213/274-6801
Rates:
\$19-23 (Single)
23-27 (Double)
(\$4.00 for extra bed)

Advance Registration

Please register early for the SMPTE Conference to save time when arriving. Use the advance registration form sent to all members. Mail the complete form with payment to SMPTE, 862 Scarsdale Ave., Scarsdale, NY 10583. Badges and tickets will be waiting for registrants at the Registration Desk. The price of registration also includes a synopsis booklet.

Registration Rates

Member Weekly	\$40.00
Nonmember Weekly	60.00
Ladies Weekly	10.00
Student Member	Free
Student Nonmember	5.00
Member Daily	20.00
Nonmember Daily	25.00
Get-Together Luncheon	9.00
Banquet	25.00

Wine & Cheese Party

A wine and cheese party will be held on Sunday evening, April 21. The party is sponsored by Eastman Kodak Co. The location of the party will be announced.

Association of Cinema Laboratories

The ACL will meet at the Century Plaza Hotel on Friday and Saturday, April 19 and 20. On Friday there will be a Board of Directors meeting at 2 p.m., including dinner, which will begin at 6:30 p.m. On Saturday there will be members' meetings all day beginning with the Laboratory Members' meeting at 8:30. The remainder of the day will be devoted to the Laboratory Techniques and Equipment Forum, with a break at noon for lunch. SMPTE members are invited to attend the Equipment and Techniques Forum.

Advance Program

This Program contains the most accurate and complete information possible at publication time, listing papers within each individual session. Although the sessions as described here are firm, some papers may be omitted or rearranged before the Conference. Any inquiries about specific papers or sessions should be addressed to Society Headquarters, ATT: 115th Conference — Janet H. Hruska, Conference Programs Secretary, (914) 472-6606; or Program Chairman Fred J. Scobey, DeLuxe General, Inc., 1546 N. Argyle Ave., Hollywood, CA 90028, (213) 462-6171; or Associate Program Chairman Julian Hopkinson, Agfa-Gevaert, Inc., 1025 Grand Central Ave., Glendale, CA 91201, (213) 246-8141. The Final Program, listing paper titles, authors, and times of presentation, will be available ten days before the Conference from Society Headquarters. The Synopses Booklet will be available at the Conference.

SUNDAY — April 21

REGISTRATION (from 12:00 noon)

WINE AND CHEESE PARTY (evening)

Courtesy of Eastman Kodak Co., Location to be announced

MONDAY MORNING — April 22

LABORATORY PRACTICES I

Opening Film: ISO-1973, Courtesy American National Standards Institute

Aquarium Gate Retrofitting of Optical Printers
W. D. Carter and Martin S. Mueller, *Carter Equipment Co., Inc., Inglewood, Calif.*

The Electronic Optical Printer

Barry A. Nolan, *Van Der Veer Photo Effects, Hollywood, Calif.*

Gevacolor Print Film Type 9.86

N. W. Alliet, W. A. Sayes, R. G. L. Verbrugghe, *Agfa-Gevaert, Belgium*

A New Color Print Film with a Shortened Processing

R. K. Shafer, *Eastman Kodak Co., Rochester, N.Y.*

Automatic Fade and Dissolve Shutter with Provision for Adjusting to Specific Film Gammas

Roger W. Banks, *California Technical Assistance, Irvine, Calif.*

Continuous Optical Reduction Printer With Simultaneous Sound Transfer on Super 8

Joseph Wary, *Peterson Enterprises, Grandview, Ill.*