

news and reports

93rd SMPTE Convention • The Traymore Atlantic City, N.J. • April 21–26

Equipment Exhibit April 22–25

STEADY PROGRESS toward what promises to be one of the most rewarding and informative Papers Programs of recent years is reported by Program Chairman Henry N. Kozanowski. Even the oncoming deadline of the Advance Program in the March *Journal*, with its concomitant crescendo of activity, seems less imminent than usual because of the excellent papers now scheduled. These are the result of the early and vigorous spadework of the Program Chairman and the able and energetic Topic Chairmen (listed on p. 960 of the December *Journal*).

The 93rd Convention Program departs somewhat from recent tradition in that it has not been planned with an overall theme. As shown below, the papers sessions are cores of subject matter within which the Program Chairman is arranging the papers as neatly as possible to provide greatest interest and convenience for those who plan to attend papers sessions and committee meetings. The usual Convention announcement now being mailed to members also provides the abstracted program of the essential paper titles, hotel rates, etc., as noted briefly below. The tentative outline of the Program is as follows:

MONDAY, April 22

REGISTRATION—*All Day*

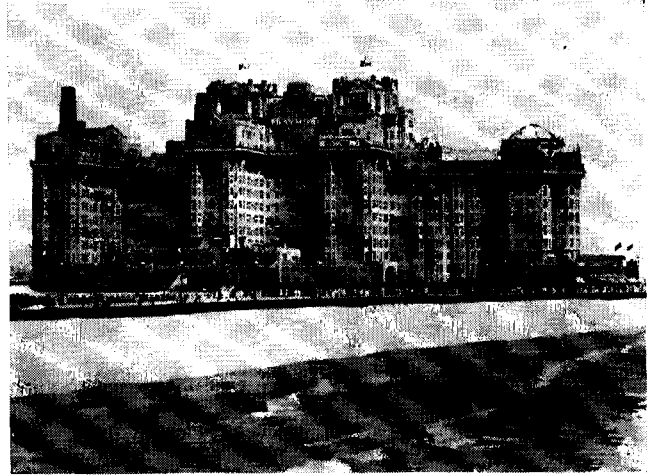
LABORATORY PRACTICE—*Morning*

Time-Delay Systems for Sound Pictures Syncing; Pilot-Tone Synchronization System; Conversion of Black-and-White Motion-Picture Processing Machines to Viscous Layer Development; Controlled Modification of Color Rendering; A System for the Recovery of Solvent Vapors; Rejuvenation of Motion-Picture Film; Improved Printing Density Filters for Densitometry of Eastman Color Negative, Intermediate and Internegative Film; An Electronic Previewer and Exposure Analyzer for Black-and-White Motion-Picture Printing.

GET-TOGETHER LUNCHEON—*Noon*

8MM & 16MM FILM—*Afternoon*

Simplicity in the Design of New 8mm Projection Equipment; Professional 16mm Camera; Technical Program for 8mm Educational Sound Films.



FUNDAMENTAL CONCEPTS ARE STILL WITH US—*Evening*

Optical Measurements on Telstar: Quantum Yield, Noise Equivalent and Resolving Power of the Photographic Process; The Search for Steadiness of Speed.

TUESDAY, April 23

MOTION PICTURES AND TELEVISION IN OUTER SPACE—*Morning*

Electron Gun for TV Cameras; Automatic Picture Transmission From Nimbus; Infrared Tracking Mounts for Missile Ranges; Cameras and Techniques Used in Photographing Atlas Booster Separation; New Missile-Borne 16mm Intermittent Camera for High G Environment; Design of Satellite Tape Recorders—After Tiros I.

INSTRUMENTATION AND HIGH-SPEED PHOTOGRAPHY—*Afternoon*

Masks to Pack Circles Densely; Fast-Opening Large-Aperture Shutter for High-Speed Photography; Simulating the Moving Perspective View From an Aircraft; A Programmed Kerr-Cell Framing Camera, A Camera Mount Utilizing Programmed Mirror Rotation for Missile Tracking; Shadowgraph of Bright Objects.

INSTRUMENTATION AND HIGH-SPEED PHOTOGRAPHY—*Evening*

Engineering Through Motion Pictures; The Use of Photographic Triangulation in Determining the Positions of Objects in Large-Scale Experiments; Photographic Studies of Mode and Polarization Phenomena in Ruby Lasers.

WEDNESDAY, April 24

EQUIPMENT PAPERS AND DEMONSTRATIONS— *Morning*

New products described and demonstrated by Exhibitors.

TELEVISION CIRCUIT DEVELOPMENT—*Afternoon*

Video Circuits for Transistor Television Cameras; Power Supplies for 4½-in. Image-Orthicon Transistor Camera Circuits; Crispener for Television Images; New Method of Marking Safe Title Area on Television Preview Monitor Screens; Pulse Distribution Amplifier With New Pulse Re-Forming Technique; An Overview of Video Amplifiers for Television Camera Tubes.

TRIP TO NATIONAL AVIATION FACILITIES EXPERIMENTAL CENTER—*Afternoon*

COCKTAIL PARTY, BANQUET AND DANCE— *Evening*

THURSDAY, April 25

COLOR TV, MONOCHROME TV AND AUTOMATION—*Morning*

Operational Stability and Color Fidelity of Broadcast Color Monitors; Analysis of Color Errors in Color TV Cameras; Considerations in the Design of a Transistorized Processing Amplifier; A Vidicon Camera for Studio Application; Automation of TV Studio Program Production.

MOTION PICTURES FOR TELEVISION AND VIDEO TAPE—*Afternoon*

Monochrome Telefilm Exposure Control—Part I, Factors Affecting Determination of Monochrome TV Film Exposure—Part II, Examination of Exposure Meters and Measuring Techniques in TV Film Exposure; Film Production With Electronic-Cam; Electrical Installation Techniques for a Large Film Production Center; Progress in Video-Tape Standards; A Recently Developed Magnetic Film With Wide Dynamic Range.

MOTION PICTURES AND TELEVISION IN EDUCATION I—*Evening*

Motion Pictures for the Defense Industry; Proposal for a 16mm Nontheatrical Leader; New Techniques in Closed-Circuit Television for Dental Teaching; Design Factors of an Educational Television Program Production Center.

FRIDAY, April 26

MOTION PICTURES AND TELEVISION IN EDUCATION II—*Morning*

Systems Engineering Approach to Educational Facilities; Development of the Educational Single-Concept Film in Great Britain; Are Sound *Motion* Pictures Necessary?

MOTION PICTURES AND TELEVISION IN EDUCATION III—*Afternoon*

Motion Pictures for Education: Should They be Tied to Amateur Movies? Experimental Instructional Facilities and Systems for College Teaching and Academic Research.

Equipment Exhibit

At the time of writing, exhibitors are still being added to the list, and, fortunately, additional space has been obtained at The Traymore in which to accommodate

them. This will be the last possibility of expansion. Any companies that have postponed making their reservations for space until now should contact the Exhibit Chairman immediately. He is: Dennis E. Kealey, Reevesound Co., Inc., 35-54 36th Street, Long Island City 6, N.Y.

The current list of exhibitors is:

Animation Equipment Corp.	Lipsner-Smith Corp.
Arriflex Corp. of America	Logos, Inc.
Bell & Howell Co.	Magnasync Corp.
Birns & Sawyer Cine Equipment, Inc.	D. B. Milliken Co.
CBS Laboratories	Motion Picture Enterprises, Inc.
Camera Equipment Co.	North-American Philips, Inc.
Camera Mart, Inc.	Paillard, Inc.
Canon Camera Co.	Photographic Applications, Inc.
ColorTran Industries, Inc.	Photo-Sonics, Inc.
Comprehensive Service Corp.	Precision Laboratories Div. of Precision Cine Equipment Corp.
Ehrenreich Optical Industries (Nikon), Inc.	Quick-Set, Inc.
Elgect Optical Co.	S.O.S. Photo-Cine-Optics, Inc.
Filmline Corp.	Shiba Electric Co., Ltd.
Oscar Fisher Co.	Sylvania Electric Products, Inc.
Florman & Babb, Inc.	Wollensak Div., Revere Camera Co.
Hi-Speed Equipment, Inc.	Zoomar, Inc.
Hollywood Film Co.	
Houston-Schmidt Ltd.	

U.S. Government Displays: U.S. Naval Photographic Center, U.S. Naval Ordnance Laboratory

The Coffee Shop will be open all day, all week, through the courtesy of Philip A. Hunt Company of Palisades Park, N.J.

Association of Cinema Laboratories

The Association of Cinema Laboratories will hold a number of meetings at The Traymore on Sunday, April 21, including an Equipment and Techniques Forum which is open to SMPTE members. There will be a special Preview Opening of the SMPTE Equipment Exhibit at 10:30 A.M. Monday, April 22, for the benefit of ACL members.

Convention Arrangements

Arrangements Chairmen under Arthur J. Miller (*Jour.*, p. 39, Jan.) have been putting forth an enormous amount of "skilled labor" to their mostly behind-the-scenes activities devoted to fitting all the services and pieces to stage the Convention.

Although pre-convention jitters cannot be entirely avoided (a kind of stage-fright that ensures the success of a production), the outstanding combinations of ability, experience and hard work so far have made it almost certain that the 93rd Convention will be one of the best coordinated and most successful in the history of the Society.

Sunday Buffet Dinner

As a special attraction for those arriving at The Traymore on Sunday, April 21, there will be a Buffet Dinner at 6:30 p.m. (tickets \$5 available at the Registration Desk), followed by a screening of a first-run feature film.

Committees

SMPTE Engineering Committees will meet during the Convention. Committee members will be notified by letter of the date and time of their meetings.

Editorial activities during the Convention will include meetings of the Papers Committee, the Board of Editors and the Publications Advisory Committee, to be held on Wednesday, April 24.

Reservations

The Postal Announcement, which is being mailed to all members at the end of February, gives the sessions schedule, the Hotel Reservation Card, and a Pre-Convention SMPTE Registration Card. For added convenience, the daily rate schedule of The Traymore is shown below:

Rooms, Single: \$8, \$10, \$12, \$14, \$16, \$18, \$20, \$22.

Rooms, Double: \$10, \$12, \$14, \$16, \$18, \$20, \$22, \$24.

Parlor Suite, one bedroom: \$25, \$30, \$45, \$55.

Parlor Suite, two bedroom: \$55, \$65, \$75, \$85, \$90, \$100.

Education, Industry News

A summary report on one of the earliest educational TV projects, initiated in the summer of 1956 by the Washington County, Md., Board of Education, is expected early in 1963, according to an item in the *RCA Educational TV News*, issue 62, October, 1962. Begun in the summer of 1956 as a five-year project to test the effectiveness of the, then, "revolutionary" approach to teaching by television, the project has passed the experimental stage and a number of courses have been added. Still a controversial subject, only a little more than six years ago the Washington County experiment became the storm center of intense pro and con discussions in newspapers, magazines and other publications as well as on public platforms and over the airways. Some of the most bitter attacks on ETV seemed based more on sentiment and nostalgia than on a realistic approach to the immediate educational problem of too many children and too few teachers. Factual, objective accounts of the experiment, with the emphasis on the technical means of accomplishing its aims were presented in the *Journal*. Two of the earliest as well as the most detailed of these papers appeared in the November, 1957, issue of the *Journal*: "Washington County Educational Closed-Circuit Television Network, 1956-1957," by William C. Warman (pp. 677-679) and "Television in Washington County Schools, Hagerstown, Maryland," by John R. Brugger (pp. 680-682).

At present 64 televised subjects are given in 12 grades. At the end of first five years of the project it was found that it would cost no more to operate the schools with televised instruction than to go back to the old method which would necessitate dropping quite a few courses from the curriculum. The county school system is now supporting educational television out of its regular budget.

The 5th International Conference on Medical Electronics of the International Federation of Medical Electronics (IFME) will be held July 22-26 in the Centre Européen des Grands Congrès, Esplanade de l'Europe, Liège, Belgium, under the patronage of the University of Liège Palais des Congrès, Liège, Belgium. Main topic of the Conference will be The Physical Transducer: The Transitional Device between the Living System and Its Data Gathering Environment. Examples of physical transducers for medical application include the plethysmograph, accelerometer, pressure transducer (e.g. electro-manometer), pneumotachograph, spirometer, flow meter, tocograph, tonometer, microphone, strain gage, ergometer, photoresistor, thermoresistor, pH electrode, microelectrode, ultrasonic detector, and oximeter.

The Conference Secretary is Dr. F. Bostem, 23 Boulevard Frère Orban, Liège, Belgium. Chairman of the Program Committee is Dr. D. H. Bekkering, Institute of Medical Physics, 45 de Costakade, Utrecht, Holland. IFME President is Prof. M. Dubuisson, Rector of the University of Liège. The Hon. President is Dr. V. K. Zworykin, Founder President of the IFME.

A Symposium on X-Ray and Electron Probe Analysis will be sponsored jointly by the American Society for Testing and Materials' Committee E-2 on Emission spectroscopy and E-4 on Metallography during ASTM's 66th Annual Meeting, to be held June 23-28, Chalfonte-Haddon Hall, Atlantic City, N.J. Chairman of the symposium will be R. W. Smith, AC Spark Plug Div., General Motors Corp.

A newly established Annual Award for the best articles pertaining to any field of ultrasonics has been announced by Ultrasonic Manufacturers Association, Inc., 271 North Ave., New Rochelle,

A new feature of the Postal Announcement this time is a return postal card addressed to the Registration Chairman. On it intending registrants can supply, in advance, the information required for making up their Convention badges. This is expected to be a time saver, especially on the first day of the Convention, when registrants checking in will find their badges ready for them.

The Week After

Right on the heels of the 93rd Convention will be the Society of Photographic Scientists and Engineers (SPSE) Conference to be held April 29-May 3 at the Ambassador Hotel in Atlantic City. The Conference, co-sponsored by the Army Research Office, has for its theme "Communication Through Photography." This will be an opportunity for SMPTE members to take advantage of Atlantic City's resources as host for scientific and technical interests. Further information is available from SPSE's Registration Chairman, Seymour L. Hersh, 9 Terrence Terrace, Freehold, N.J.

N.Y. Purpose of the award, consisting of two cash prizes, one for \$100.00 and the other for \$50.00, is to encourage creative thinking about the development, manufacture and application of ultrasonic equipment, and of component materials and parts for such equipment. The contest, which opened March 1, 1963, will close on December 31. It is open to any person engaged or interested in any aspect of ultrasonics including university students, with the exception of officers and directors of the association.

Proposed Educational Uses of the 2,000 MC Band, a paper by Stanley Lapin which was presented at the Convention of the National Association of Educational Broadcasters held in October, 1962, is available upon request from Adler Electronics Inc., One LeFevre Lane, New Rochelle, N.Y. The paper discusses relative cost, multiple-channel use and compatibility with present TV distribution systems of 2,000-mc systems.

Argonne National Laboratory, 9700 South Cass Ave., Argonne, Ill., has added three 16 mm films to its library of scientific motion pictures, available for public use without charge. The films, in color and sound, are: *Introduction to Analog Computers; Balloon-Borne Radiation Spectrometer*, which shows the development of a balloon-borne radiation spectrometer; and *XeF₄*, which shows the creation of xenon tetrafluoride by chemists at Argonne, the first successful combination of xenon with one other element. The films are available as a loan from: Film Center, Technical Publications Dept., Argonne National Laboratory, 9700 South Cass Ave., Argonne, Ill.

Norwood Films, a division of Norwood Studios, Inc., 926 New Jersey Ave., N.W., Washington 1, D.C. has announced a distribution contract with the U.S. Govern-