

## 92d SMPTE Convention and Equipment Exhibit

DRAKE HOTEL, CHICAGO, OCTOBER 21-26

**Theme: Communications Progress—Television and Motion Pictures in Industry and Education**

A CHANGE IN THE Papers Program format compared with that given in the July *Journal*, page 520, has been made for one topic: *Instrumentation and High-Speed Photography*. A fourth half-day for high-speed photography has been added at Chicago through the efforts of *Max Beard* who is the U.S.A. Delegate to the Sixth International Congress on High-Speed Photography to be held at the Hague, September 17-22.

A panel of eight who are attending the Sixth Congress will devote themselves to various specialized subjects and report at Chicago. They are:

*John W. Corcoran*, Beckman & Whitley  
*Dr. J. S. Courtney-Pratt*, Bell Telephone Laboratories  
*B. E. Drimmer*, Naval Ordnance Laboratory  
*Dr. H. E. Edgerton*, Edgerton, Germeshausen & Grier  
*Carlos Elmer*, Traid Corporation  
*Dr. David C. Oakley*, University of California, Radiation Laboratory  
*Morton Sultanoff*, Terminal Ballistics Laboratory  
*Max Beard*, Naval Ordnance Laboratory

Also making the Chicago Convention a special one for high-speed photography is the all-day program at the Argonne National Laboratory which has been arranged by Topic Chairman *Daniel S. Giroux*. Mr. Giroux is a member of the ANL Graphic Arts Department which has a Motion Pictures Section, including high-speed photography. These sessions along with those earlier announced are shown below.

### TECHNICAL PROGRAM

*Sunday — October 21*

Registration — 10 A.M. to 4 P.M.

*Monday — October 22*

Registration—All day

Projection Practice — Morning

Get-Together Luncheon — Noon

Guest Speaker: *Charles H. Percy*, Chairman of the Board, Bell & Howell Co.

Laboratory Practice — Afternoon

*Tuesday — October 23*

8mm/Small Format Film — Morning

Sound Recording — Afternoon

Concurrent: Tour of Argonne National Laboratory (including CP-5 Research Reactor, Gamma Irradiation Facility and Zero Gradient Proton Synchrotron) and Instrumentation and High-Speed Photography (papers session at ANL) — All day

Presentation of SMPTE Awards — Evening

*Wednesday — October 24*

Equipment Papers and Demonstrations (by Exhibitors) — Morning

Instrumentation and High-Speed Photography —  
Afternoon: Report by a Panel of Eight on all Subjects From the Sixth International Congress

Cocktail Party, Banquet and Dance — Evening

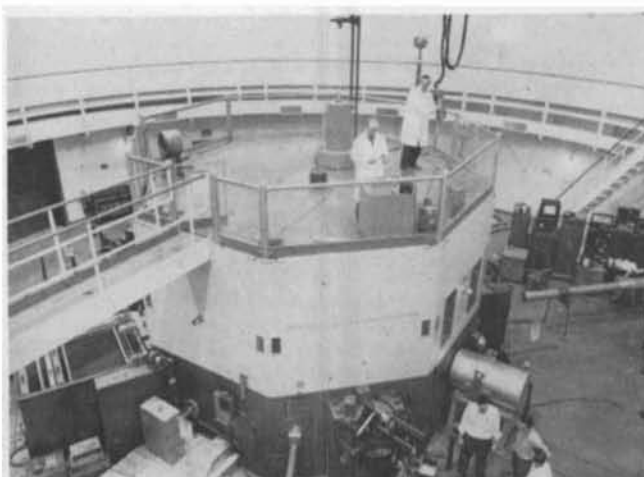


Fig. 1. Argonne National Laboratory CP-5 Research Reactor.



Fig. 2. D-200 auditorium, for Tuesday P.M. Session.

Thursday — October 25

Industrial Audio-Visuals/Films in Education and Television— *All Day*

Concurrent — *Morning*: Questions From the Audience With Answers by the Panel From the Sixth International Congress on High-Speed Photography. Written Questions Invited.

Friday — October 26

Cinematography — *Morning*

Television Equipment and Closed-Circuit Applications — *Afternoon*

The above schedule of sessions has been cleared by Program Chairman *Jack Behrend*. It also has been sent to all members in the Convention postal announcement which contained a hotel reservation card, following the

announcement in the July *Journal*. Anyone who has overlooked this should write, mentioning the 92d SMPTE Convention, direct to Bert A. Unckell, Reservation Manager, The Drake, Lake Shore Drive & Upper Michigan Ave., Chicago 11.

The announcement also conveyed the complete program of the Saturday, October 20, and Monday, October 22, activities of the Association of Cinema Laboratories.

An Exhibit of motion-picture and television equipment expected to fill two of The Drake's convention halls is being organized by *Allen Hilliard* of the Geo. W. Colburn Laboratory, Inc., 164 N. Wacker Dr., Chicago 6.

The catalog of the Equipment Exhibit and the Advance Program of all paper titles, authors and abstracts will appear in the September (the Convention Issue) of the *Journal*.

## engineering activities



DURING THE FIRST WEEK OF May the Society held its 91st Semiannual Convention at the Ambassador Hotel in Los Angeles. The effectiveness and the overall success of the Convention were especially evident in the amount of work accomplished at the meetings of the SMPTE Engineering Committees. Of the ten Engineering Committees, the three not meeting at Los Angeles were the Standards Committee, the Television Studio Lighting Committee and the Video-Tape Recording Committee. The Television Studio Lighting Committee was recently reorganized, and its chairman, Rollo G. Williams, anticipates holding a meeting in the early fall. The Video-Tape Recording Committee held several meetings in the East prior to the convention.

### Balloting Period

During the past several years there has been a growing amount of concern over the apparent lengthy time that is needed to process American Standards in the motion-picture field. Possible ways of speeding action were discussed and Deane R. White, SMPTE Engineering Vice-President, selected and initiated several actions he hopes will shorten this program. The usual one-month committee ballot period was cut to two weeks, and the three-month trial publication period was shortened to six weeks. It was pointed out that normally all comments resulting from publication of proposals are received by the staff engineer quite promptly and extra insurance resulting from the three-month term may not be necessary.

### Color

The Color Committee, under the chairmanship of L. M. Dearing, met to examine the long-awaited revised draft of the "Principles of Color Sensitometry." Dr. Gerhardt, working with Messrs. Weiss, Bates, Herrnfeld, Nitka, Wintringham, Derr and Schadlich, has now completed the eight sections and the report will be circulated to the entire Color Committee for review. The 1950 edition of the report has been very much in demand and regrettably has been out of print and is no longer available; consequently, the reprinting of this report has been anticipated with some enthusiasm.

A report on characteristics of color film soundtracks has been completed by Mr. Herrnfeld and will be published in the *SMPTE Journal* for general information.

A new project concerning a standard method of determining the speed of reversal color motion-picture film was initiated with Mr. John Waner as chairman of a subcommittee to study the problem.

Working with the Television Committee, the Color Committee will attempt to establish a recommendation on density and contrast range of color films for television.

### Film Dimensions

Several years ago the Film Dimensions Committee embarked on a modernization program of re-editing the film dimensions standards to facilitate their use both nationally and internationally. At the recent meeting a group of eight standards was completed and will shortly be published in the *Journal* for the usual trial period. This group consisted of dimensions for 35mm film, both short pitch and regular, and having the standard DH (Dubray-Howell), KS (Eastman) and BH (Bell & Howell) perforations. The group also contained several 16mm, single- and double-perforation films and a standard for 35mm film perforated 32mm.

The committee is continuing work on other standards which include 35mm film with BH (Bell & Howell) and CS (CinemaScope) perforations, and several

dealing with 32mm film, regular and short pitch, single and double perforation.

Prompted by the concern exhibited over the number of film dimensions standards in the motion-picture field, the chairman, Dr. W. C. Brandsma, has started to study methods of combining information in closely related standards. At present, it appears desirable to keep the different types of motion-picture films separated.

### Film Projection Practice

At the start of this year, an attempt to streamline our standards program resulted in the combining of two "theater" committees. The Screen Brightness Committee combined with the Film Projection Practice Committee under the chairmanship of C. E. Heppberger, and held the first meeting in Los Angeles as the combined committee. The lengthy agenda covered a number of subjects that are being reviewed under the ASA five-year review rule. These dealt with 35mm projection reels and various types of 35mm and 70mm projection apertures. Several of these are in the proposal stage and will be circulated to the entire committee for approval.

Mr. Reichard reported that the joint efforts of the Television and Laboratory Committees have now reached the final phase in establishing a universal leader to be used with release prints intended for television broadcasting as well as theater release. The task of finding a common denominator to satisfy both the television requirements and the established theater practices did prove to be a difficult matter; however, it now appears to be reaching its fulfillment. The following committee projects have now been completed: A revision of PH22.35, American Standard Dimensions for 16-Tooth 35mm Motion-Picture Projector Sprockets, was approved by the ASA in April, 1962. An SMPTE Recommended Practice on drive-in theater luminance, approved by the SMPTE Board of Governors in June of 1962. The third project is a new proposed standard for screen luminance and viewing conditions for 35mm review rooms. This proposal was published for trial in the