

High-Speed Photography Activities

Numerous activities have results that speak for themselves, but a general report will clarify parts of the field of operations and credit those responsible for various areas.

Missile Photography Symposium

Although the first part of this issue of the *Journal* is obviously an important result of great enthusiasm and effort given by Sidney M. Lipton, it should be recorded that he organized that symposium on very short notice and that within four weeks he had scheduled the substantial sessions. The published group discussion is only a partial reflection of the value to these specialists of their meeting as a part of the 81st SMPTE Convention. The publication of this group of papers has been possible only because the Society had special cooperation from many authors in differing situations.

These and other missile photography papers published in other issues of the *Journal* will later be grouped in Volume 7 of the Society's High-Speed Photography reprint series.

Sessions and Congresses

The SMPTE 82d Convention had two sessions on high-speed photography and instrumentation, organized by Topic Chairman Max Beard. The subject matter was highly diversified, including projection of much high-speed motion-picture footage. A consistently large audience appreciated the papers and demonstrations, including methods of reproducing sequence or framing camera material for motion-picture presentation which permitted good visual analysis of motion that is normally lost in sequence photography.

The SMPTE 83d Convention has a substantial roster of papers organized by Topic Chairman Bob Betty for April 22. These papers will soon begin to appear in the *Journal*. (See the March *Journal* for the Advance Program or see the Convention Program, available upon request.)

The Fourth International High-Speed Congress will be held September 22-27, 1958, at Cologne, as reported in the *Journal* for November 1957. The Congress is held during the week preceding Photokina, the annual photographic exposition held at Cologne. This year a special section at Photokina is reserved for equipment for high-speed photography. J. H. Waddell of Fairchild Camera & Instrument Corp. has accepted an invitation to attend as an American representative. Contributors and others planning to attend the Congress may also write to Dr. H. Schardin, Weil am Rhein, Rosenstrasse 10, W. Germany, who will supply a brochure.

The Fifth International Congress is scheduled to be held during the SMPTE Convention, in the Fall of 1960, Washington, D.C. A five-man committee has been appointed to arrange participation of other Societies with similar interests and to make preliminary plans for the Congress. Committee members are: Richard O. Painter, Morton Sultanoff, Harold E. Edgerton, Carlos H. Elmer and John H. Waddell. The U.S. State Department has presented a request to the High-Speed Photography Committee to act as co-sponsor of the Congress. Plans are underway for a papers program of approximately 75 papers and arrangements for an exhibit have been discussed. Suggestions for papers are welcome and may be addressed to any member of the five-man committee in charge of arrangements or to the Staff Engineer at Society Headquarters.

High-Speed Photography Vol. 6

This latest of the series of reprint volumes was published at the end of last year. The interest of recent years in missile research is reflected in the contents. Eight of the 27 articles deal directly with ballistics and military applications. Other articles cover timing devices, cameras, film, illumination, projectors, data analysis and applications. This volume is in the same format as the preceding volumes in the series, 6 by 9 in., paper cover. It contains 200 pp. The 27 papers are those collected for reprinting since Vol. 5 in 1954. It is priced at \$4.50 with the customary discounts for members and large lots.

Only Vols. 4-6 are now available. Volumes 1-3 have long been out of print and are not obtainable from Society headquarters. It is sometimes possible to buy them through the "Journals Wanted" notices in the *Journal*.

The success of these volumes in the past decade is a tribute to the first Chairman of the Society's High-Speed Photography Committee, John Waddell, who instituted the program that produced Vols. 1 and 2 in 1949.

Committee Meetings

The SMPTE High-Speed Photography Committee met during the Fall Convention at Philadelphia. One of the subjects of discussion was the scope of the Committee's interests and the definition and limitation of its proper activities. The scope of the Committee as given each year recently in the list of SMPTE Engineering Committees (Part II of April *Journals*) is: *To make recommendations and prepare specifications for the construction, installation, operation, and servicing of equipment for photographing and projecting pictures taken at high repetition rate or with extremely short exposure times. It was questioned "whether this definition was*



"The Academy Awards" presented on March 26 were especially meaningful this year for the Society, even though the Academy television show time ran out just before Bette Davis presented an Oscar to Barton Kreuzer, SMPTE President, honoring SMPTE for

The Society's Forty-Two Years of Service to the Industry

Lorand Wargo, H. M. Little and H. L. Baumbach, authors in the February 1958 *Journal*, were represented in the television show by Mr. Wargo's appearance to receive an Oscar for

development of an automatic printer light selector

comprehensive enough to include all the committee's activities, and the suggestion was made that the wording be extended to cite high-speed motion-picture photography, time-lapse, high-speed flash, instrumentation as applied to high-speed motion-picture photography, and time-lapse and research and development as applied to motion-picture photography. It was also suggested that the Committee's categories of interest might include reference to: (1) camera lenses and shutters, (2) exposure controls, (3) record processing equipment, (4) data reduction and (5) sensitized products.

There was consideration of overlapping interests, particularly with regard to SPSE and SPIE, cited below.

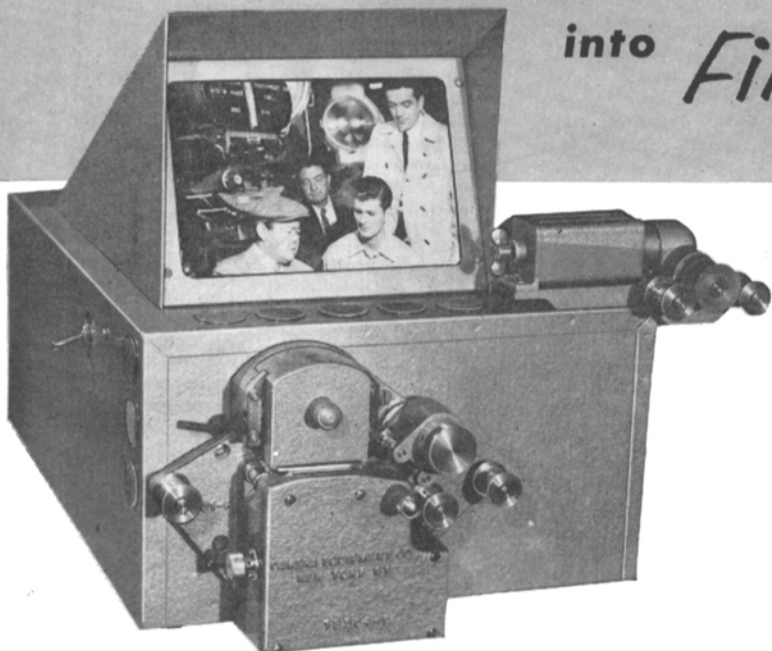
An SPSE/SMPTE Committee met on February 18 to explore and study possible areas of overlap in activity between the

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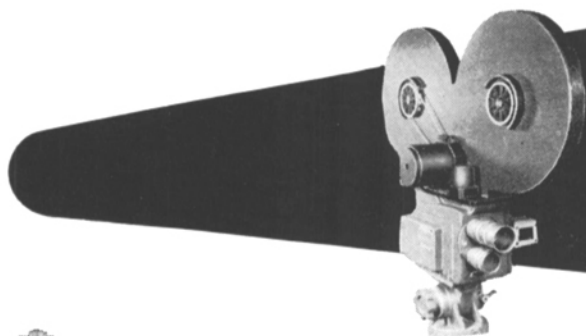
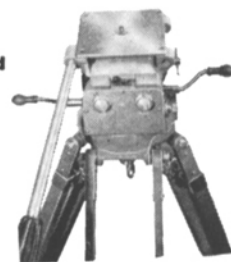
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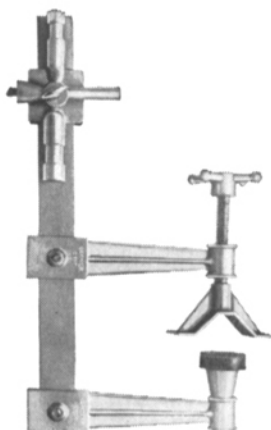
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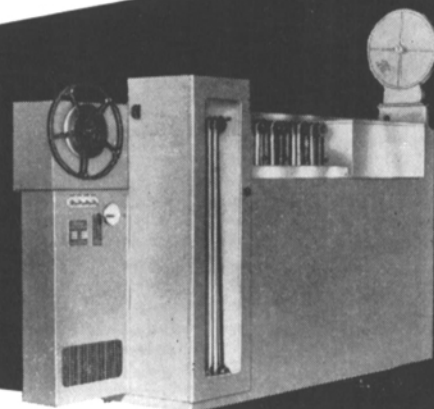
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two organizations. For SPSE, E. K. Kaprelian and John A. Maurer attended and George T. Eaton was kept away by inclement weather, as were Axel G. Jensen and Richard O. Painter for SMPTE. Present for SMPTE were Glenn E. Matthews, E. M. Stifle and J. Howard Schumacher. The main area of possible difficulty seemed to be in the presentation and publication of technical papers relating to high-speed photography. It was agreed that it would be extremely difficult to draw a fine line separating the activities of the two Societies. It was noted during the discussion that the position of the SPSE on high-speed photography is that continuous film is an SMPTE activity and individual exposure photography is an activity of SPSE. It was agreed that while some overlap does exist between the Societies, there were no specific areas in conflict at the present time.

Immediately following is our brief résumé about the SPIE, and after that the SPSE story by its President.—R.H.

Society of Photographic Instrumentation Engineers

The Society of Photographic Instrumentation Engineers has announced plans for its 1958 Exhibiorama and Second National Symposium. Scheduled to be held August 1-3, 1958, at Los Angeles, this Symposium will generally follow the procedures of the first Symposium held August 1-2, 1957,

at the Ambassador Hotel, Los Angeles. Theme of the 1957 Symposium was "Photo Instrumentation — Metric Miracle." The SPIE was organized to "foster the exchange of information and knowledge of the Science of Photo-Optical Measurements and to serve industry as a clearing house for data on all phases of its application."

The SPIE has announced the policy of recording all sessions, with duplicate tapes (at 3½ ips) available at cost to SPIE members if ordered, in writing, during the Symposium.

Officers are: *President*, Charles E. Taylor; *Vice-President*, Robert M. Betty; *Treasurer*, Robert Woltz; *Secretary*, Stanley E. Baker.

Society of Photographic Scientists and Engineers

The Society of Photographic Scientists and Engineers was formed in December 1956 and is comprised of members of the former Society of Photographic Engineers and some members of the former Technical Division of the Photographic Society of America. The action was taken because of the similar and, in many areas, identical interests of the two groups. The new organization has a membership of about 1200.

Membership is made up of persons who are engaged professionally in one of the many technical activities directed to the study of photographic processes or to the

production, improvement and adaptation of photographic goods to the needs of man.

The Society considers as its area of responsibility the general field of scientific and applied photography but leaves the subject matter of the specialized fields of application, such as motion pictures, photogrammetry, and others, to the organizations now serving them. The Society is concerned primarily with both the science and application of the photographic process.

Major activities of the Society are its Annual Technical Conferences at which papers are presented and discussed, its engineering committee operations and the publication of its journal, *Photographic Science and Engineering*. The Society holds a charter issued under the authority of the District of Columbia agency for corporate bodies and operates under a Constitution and Bylaws consonant with it, with a purpose which includes publication, cooperation with other organizations through research, by teaching and by study, and furthering the application of science to photography and photography to science, engineering and industry.

The Society's Officers are:

President, George T. Eaton, Kodak Research Laboratories, Rochester, N. Y.
Executive Vice-President, Steven Levinos, Ansco, Binghamton, N. Y.
Engineering Vice-President, John A. Maurer, JM Developments, Inc., New York, N. Y.

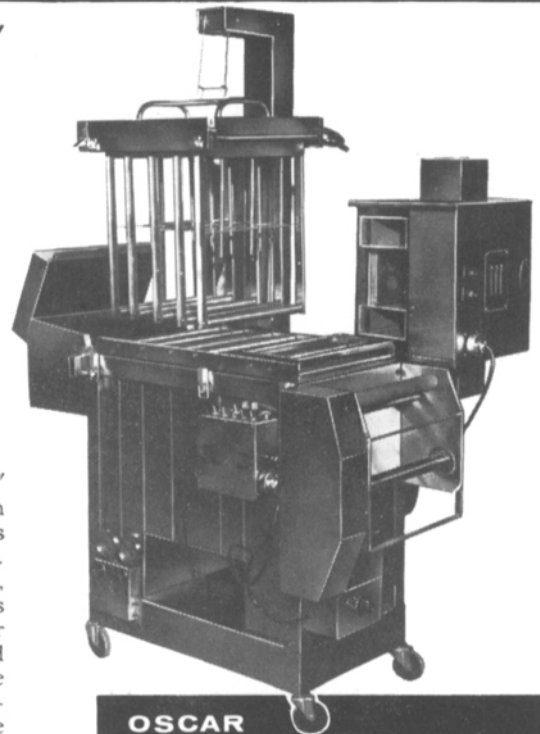
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