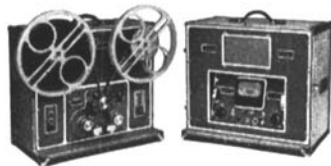


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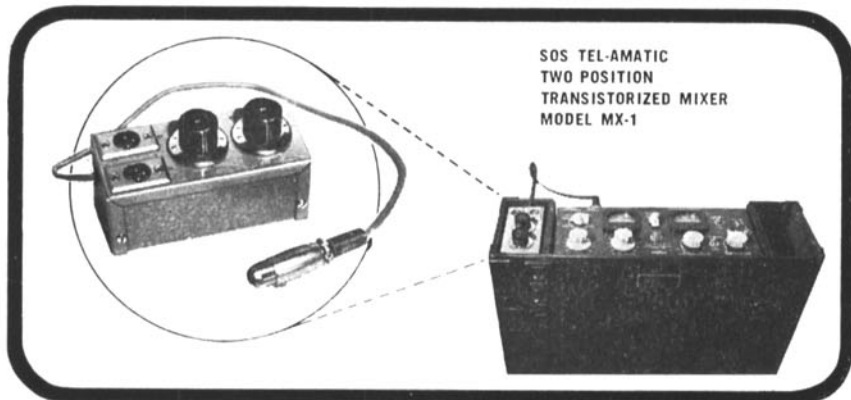
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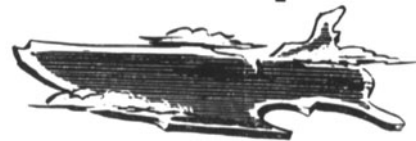


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## section reports



The role of motion pictures in the Titan II missile program was outlined for members and guests of the **Cape Kennedy Section** at the meeting September 19 at Holiday Inn, Cocoa Beach. The speaker, Arch D. Smith of the Martin Company, showed 16mm color films taken by on-board cameras. Mr. Smith was honored at dinner following the meeting.—W. G. Wiest, *Secretary-Treasurer*, 122 N. Indian Hill Circle, Cocoa, Fla.

Papers on 8mm film from the program of the Society's 95th Technical Conference were presented by representatives of Eastman Kodak Co. at the June 10 meeting of the **Detroit Section**. Fifty-five members and guests attended the meeting at General Motors Photographic.

The papers were "The Performance of Photographic Soundtracks on Eastman Color Print Film, Type 5385, With Special Reference to 8mm Usage," presented by co-author J. G. Streiffert; "Format Factors Affecting 8mm Sound Print Quality," co-author E. A. Edwards, and "Economical 8mm Commercial Prints," co-author Willis L. Stockdale. Questions from the audience were answered by Robert M. Corbin and William R. Weller of Kodak.

The meeting was opened with a new film produced by General Motors Photographic, *Ski With Buick*.—Richard O. Painter, *Secretary-Treasurer*, 811 Atlantic, Milford, Mich.

Films from the Calvin Productions Workshop were shown by William D. Hedden, vice-president of the Kansas City firm, at the September 15 meeting of the **Detroit Section**. The meeting, at the Jam Handy Organization, was attended by 90 members and guests.

Coffee and rolls were served at the conclusion of the meeting through the courtesy of Jam Handy.—Richard O. Painter, *Secretary-Treasurer*, 811 Atlantic, Milford, Mich.

The new Eclair NPR 16mm reflex camera and a crystal-controlled power supply for synchronous camera operation was described at the July 21 meeting of the **San Francisco Section**, at Station KGO, by J. P. Carson of Eclair Corp. of America. A lively question-and-answer period followed the presentation, which was attended by 40 persons.—Lawrence Weiland, *Secretary-Treasurer*, c/o Ampex Corp., 2385 Bay Rd., 8-12, Redwood City, Calif.

A tour of San Francisco's pioneer TV station, KPIX, was the feature of the August 18 meeting of the **San Francisco Section**. The tour was conducted by Chief Engineer Ray Holtz, who described the history of the station and this year's conversion to solid-state equipment. The 63 members and guests present also saw a documentary film produced by KPIX,

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*When the Movies Came From Niles*, describing the studios of Essanay Productions from 1908 through 1916.—Lawrence Weiland, *Secretary-Treasurer*, c/o Ampex Corp., 2385 Bay Rd., 8-12, Redwood City, Calif.

The use of television and motion-picture techniques in x-ray diagnosis was described for the **San Francisco Section** at the meeting September 15 at the University of California Medical Center. Presenting the program were Dr. Earl R. Miller, professor of radiology at the Center, and Alan Cline, Dr. Miller's engineering aide. A question-and-answer period followed the meeting.—Lawrence Weiland, *Secretary-Treasurer*, c/o Ampex Corp., 2385 Bay Rd., 8-12, Redwood City, Calif.

## Abstracts

Abstracts of papers appearing in other journals, chosen for their importance and timeliness, are published in the *Journal* from time to time. Most of these abstracts are translations, chiefly from the U.S.S.R., and are made available to the *Journal* by the Research Laboratories of the Eastman Kodak Company. As a rule, translations are made of the foreign language abstracts, not of the paper itself. The respective complete original texts can be consulted at some libraries. Current issues of *Tekh. Kino i Telev.* can be consulted at, or borrowed from, the Society's Headquarters Office;

also of possible interest to some readers may be three papers which have been translated from the Russian and are available as manuscripts on loan from Society Headquarters:

(1) L. G. Golshtein, I. Ya. Levin and T. I. Maksimov, "Optical printer," *Tekhnika kino i telev.*, 3, No. 10, 58-62, (1959).

(2) M. M. Lisogor, "The 'Rossiya' Universal Cine Theater," *Tekhnika kino i telev.*, 6, No. 5, 1-8, (1962).

(3) I. B. Gordiichuk, "The present state of the manufacture of cine apparatus in the USSR," *Tekhnika kino i telev.*, 6, No. 5, 3-19, (1962).

Those requiring definitive and thorough searches of current literature and patents are referred to **ABSTRACTS of Photographic Science & Engineering Literature (APSE)**, published monthly by the Engineering Index, Inc., 345 East 47 St., New York, N.Y. 10017, with the editorial cooperation of the Society of Photographic Scientists & Engineers.

The subject areas are grouped below:

- High-Speed Photography
- Lenses and Shutters
- Light Sources
- Miscellaneous Apparatus
- Motion Pictures
- Photogrammetry
- Photographic Theory and Materials
- Physics and Chemistry
- Printing Equipment
- Processing Equipment
- Projectors and Viewers
- Radiography and Nuclear Photography
- Special Applications
- Standardization
- Television

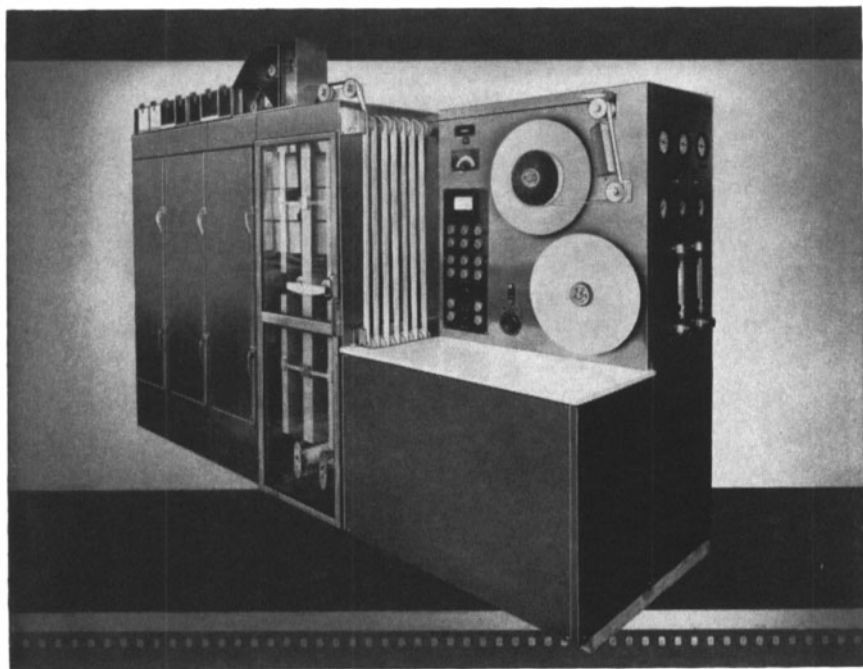
### HIGH-SPEED PHOTOGRAPHY

**Photoelectric synchronizing apparatus for high-speed photography** (in Russian), D. Kh. Kakimov and A. I. Kil'deev. *Mekhaniz. Khlopkovodstva*, No. 8, 19-20, 1963; *Referativnyi Zhur.*, *Fotokinetika*. Abstract No. 1.46.205, 1964.

It is reported that the department of machine parts of TIIMSKh have used a synchronizing apparatus for automatically operating the shutter of a camera used in the photography of cotton wool transported by an air-stream in a tube. The apparatus works with the main types of photomultiplier even with voltage fluctuations in the circuit of up to  $\pm 15\%$ . The electrical circuit of the synchronizer consists of a photoamplifier, which amplifies the photocurrent, and a solenoid which opens the camera shutter. The photoamplifier is mounted on a metallic chassis with dimensions of 200 by 250 by 100 mm. A SEU-2 single-stage photomultiplier was used as the sensitive element. In order to decrease the influence of the constant light, the photocell is contained in the camera body. The power requirements of the apparatus do not exceed 25 watts.—S.C.G. (Translated from *Referativnyi Zhur.*, *Fotokinetika*.)

**A study of the phenomenon of the exploding wire by schlieren photography with a Kerr cell** (in Russian), W. Müller, in *Vzryvayushchiesya provolochki*, Izdot. In. Lit., Moscow, 1963, pp. 170-188; *Refera-*

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