

the Cine-Chrome Laboratories, Palo Alto, to hear Burton Smith, Manager of the Laboratories, speak on Anscochrome films and their processing. Mr. Smith reviewed the processing done in the labs on the film for industrial and military projects, a great deal of which is classified work. A cameraman from Lockheed Aircraft Corp., Missiles Div., was present to show and demonstrate the Fastax Camera, in which Super Anscochrome is being used almost exclusively by Lockheed for high-speed photography in full color. Following the demonstration, a series of 16mm films were run, showing examples of various Eastman and Anso color films, giving the members and guests the opportunity to make direct comparisons of the relative characteristics of the various color films now on the market.

After a brief discussion period, during which a representative of Anso was present to answer questions concerning his company's products, coffee and doughnuts were served by Mr. and Mrs. Smith. Preceding the meeting, many of the members met for cocktails and dinner at Hal's Restaurant in Palo Alto.—*Rodger L. Woodruff*, Secretary-Treasurer, KRON-TV, 929 Mission St., San Francisco.

The San Francisco Section had a first hand look at the Ampex Color Videotape Recorder at its June 10 meeting. Following cocktails and dinner at Ramor Oaks in Atherton, the Section, represented by an attendance of 80, met in the Demonstration Room at the Ampex Corp. in Redwood City to hear Project Leader of the Color VTR Group, Joseph Roizen, describe the company's new Color Videotape Recorder. First the obstacles to be overcome were outlined and the several different approaches that had been tried. The greatest problem is that of phase stability which must be some fifty times as great for color as that required for monochrome. The method currently being used at Ampex is to demodulate the reproduced color signal by use of a regenerated reference subcarrier which has essentially the same phase error as the reproduced chrominance signal. The I and Q signals thus obtained are then re-encoded to form a stable output signal. This method results in very acceptable reproduction provided that the tape is played back with the same head used in recording, and before any appreciable additional head wear has occurred. This limitation does not affect the machine's usefulness in the normal type of network time-zone delay operations. Following Mr. Roizen's talk and a brief discussion period, the members were shown some excellent color reproductions in a demonstration of the machine.—*Rodger L. Woodruff*, Secretary-Treasurer, KRON-TV, 929 Mission St., San Francisco.

Membership Certificates (Active and Associate members only). Attractive hand engrossed certificates, suitable for framing for display in offices or homes, may be obtained by writing to Society headquarters, at 55 West 42nd St., New York 36, Price: \$2.50.

New Members

The next *Directory for Members* is planned for April 1960. The following members have been added to the Society's rolls since the list published in September 1958. Also listed are those regretfully reported as deceased since that date. The designations of grades are the same as those used in the *Directory*. An up-to-date list of the Sustaining Members appears on the outside back cover of each month's *Journal*.

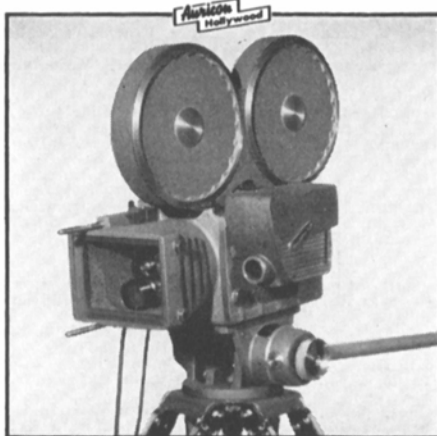
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<i>Edgar Gretener</i>	<i>Richard H. Newmayer</i>	<i>Arnold Williams</i>	
<i>Arthur J. Holm</i>	<i>Harold A. Pendreigh</i>		
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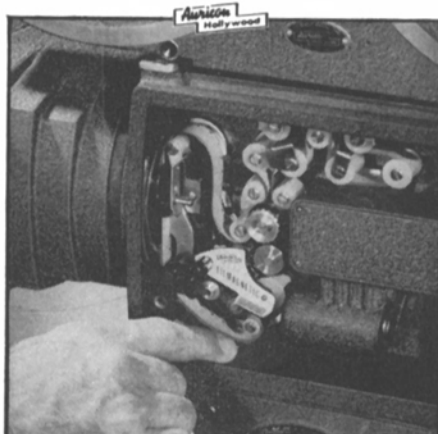
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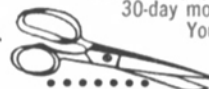
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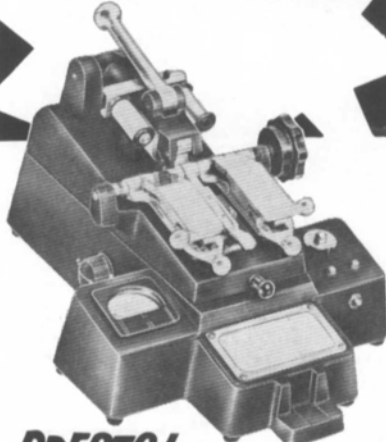


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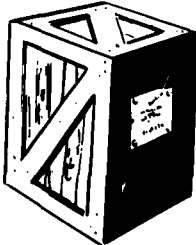
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 Further information about these items can be obtained direct from the addresses given. As in the case of technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.

The high-speed, rotating-prism, 16mm camera produced by Eastman-Kodak Co. has been acquired by Beckman & Whitley Inc., San Carlos, Calif. The camera's main application is in the study and analysis of rapid mechanical motion. It is capable of taking pictures at rates from 1000 to 3200 frames/sec. Manufacture, distribution and servicing will be carried out by the California firm.

The Dynafax Camera is a lightweight, portable, high-speed, motion-analysis camera. It is designed for simple, fast film processing and uses standard 35mm film. A product of Beckman & Whitley, 973 E. San Carlos Ave., San Carlos, Calif., it is designed to photograph at an upper rate of 25,000 frames/sec. Other design features include a stable framing rate during the operating cycle, continually indicated on a built-in meter; absence of synchronizing requirements; exposure times adjustable between 1 and 5 μ sec at the maximum rated framing speed of the camera; total writing time of 9 msec at 25,000 frames/sec, and adaptability to the use of any 16mm cine lens in a "C" mount. Dimensions are 12 in. in diameter, 10 in. in length, with a weight of 28 lb. It is priced at \$4950.00.

A new Avco Kerr Cell Shutter is described in a 4-page brochure. The cell is designed for photography at exposures down to 0.01 μ sec (*Journal*, July 1958, p. 507) and is available from Avco Research and Advanced Development Div., 201 Lowell St., Wilmington, Mass. The brochure is illustrated with charts, drawings and photographs.

Purchase of Hi-C Products Co., of Pasadena, Calif., has been announced by Photo Research Corp., 837 N. Cahuenga Blvd., Hollywood. In making the announcement, Karl Freund, President of the Hollywood firm, said that plans were underway for a greatly accelerated program for marketing the firm's line of magnifying monocular viewfinders for Mitchell, Auricon, Wall and other cameras, as well as focusers and bore-sights which will bear the Photo Research Corp. Spectra label.

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