

# New SMPTE Sustaining Members

**Red Lake Laboratories, Inc.**, 2971 Corvin Drive, Santa Clara, California, 95052

Red Lake Labs specializes in the design, development, and production of photo instrumentation equipment—most notably the Hycam 16/8-mm High-Resolution High-Speed Motion Picture Camera. This instrument is available in the K2001 Model with 100-ft film capacity and the K204E Model with 400-ft capacity. The optical heads are interchangeable and feature a degree of picture quality essentially indistinguishable from that of intermittent cameras. With various optional modifications, the user can obtain frame rates from 10 pps to 20,000 pps in various combinations of full-frame 16-mm, half-frame 16-mm, or true 8-mm formats. Red Lake also supplies a line of Hycam accessories such as oscillograph attachments, streak attachments, tripods, timing-light generators, exposure meters, and speed-control power supplies.

**Address inquiries to:** Robert D. Shoberg, *at the above address.*

**Closed-Circuit Corporation of America**, 5397 Poplar Blvd., Los Angeles, Calif. 90032

CCC is engaged in the manufacture of television projectors, high-resolution vidicon TV cameras and flying-spot scanners for educational, industrial and military applications. A complete product line of related closed-circuit equipment produced by other manufacturers has been incorporated into the sales program of this specialized company. The engineering division in Los Angeles also designs and produces special systems in the closed-circuit field, and acts as consultants for special applications. The "Prizomatic" Television Projector is the key product. It is an offshoot of the original color television projection tube co-invented by Dr. Raymond and Eugene Singer, President of the company.

**Address inquiries to:** *the address above.*

## Education, Industry News

**The Society of Photographic Scientists and Engineers (SPSE)** will hold its annual conference May 17-21 at the Sheraton-Cleveland Hotel, Cleveland, Ohio. The theme is *Frontiers in Photography*. Various fields of photographic science and engineering will be covered in the Papers Program, with emphasis on areas where significant advances are being made. The program includes such topics as Photographic Systems in Earth and Space Science; Lasers in Photography; Medical Photography; Color Aerial Photography; Cathode-Ray Tube Output; Office Copying; Improvements in Resolution; Unconventional Photographic Systems; and Unconventional Processing.

A noteworthy feature of the conference will be an Engineering Exhibit, the first of its kind to be held in conjunction with an SPSE conference. The exhibits are designated "visual papers," planned to fill a need for increased emphasis on engineering problems. The exhibits will be presented where preparation of a formal paper is not possible or warranted, but where the subject is of interest as a solution to a photographic engineering problem, presented in terms of devices, models, experimental apparatus, or reproductions, charts, or diagrams.

Chairman of the 1965 SPSE conference is Roger Ferryman. The organization's address is: Society of Photographic Scientists and Engineers, Box 1609 Main Post Office, Washington, D.C. 20013. Information is also available from: Mr. Walter E. Grashaw, SPSE Publicity Chairman, Eastman Kodak Co., 4605 Mackall Road, South Euclid, Ohio 44121.

**The Society of Photographic Scientists and Engineers** has appointed new officers to fill certain vacancies, it was announced by Robert E. Birr, SPSE President. Ira R. Kohlman, Conference Vice-President, was elected Executive Secretary, and Howard J. Hall was appointed Conference Vice-President to fill the remainder of the unexpired term. Mr. Hall will continue as Editor of the *SPSE News*, a bimonthly current events publication. Howland Pike was appointed Secretary-Treasurer to fill the vacancy created by the resignation of

Dr. Calvin S. McCamy. William S. Dempsey has been appointed Chairman of the SPSE Publicity Committee.

**A course in Engineering Photo-Optics** is being conducted at the University of California, Los Angeles. John H. Waddell, Executive Advisor, Douglas Aircraft Co., is the instructor of the lecture-demonstration laboratory course on the instruments, techniques and applications of the photographic method. Classes began February 8 and will continue through May 17. The course includes an analytical study of the camera in its many forms and covers lenses, sensitized materials, light sources and filters, and processing. The course also includes an exhaustive study of the techniques of data reduction including evaluation of existing equipments and future requirements. Applications in engineering development, scientific research, manufacturing and environmental testing are stressed.

**A symposium on Processing Technology** will be held May 12-14 at the Institution of Electrical Engineers, Savoy Place, London, W.C. 2, under the auspices of the Royal Photographic Society of Great Britain. About 30 papers will be presented by speakers from many countries.

The first group of papers dealing with modern developing agents and developers will take up the first one and a half days of the meeting. The subject-matters will include the role of new reducing agents in modern processing and the revised economics brought about by their introduction. Trends in highly concentrated liquid developers and use-once-and-throw-away types will be included as will the modern approach to the design and use of monobath systems. The rest of the second day will be concerned with modern fixers, their formulation, action and shortcomings. The third day will be concerned with rapid-access methods and processors for use in diverse fields such as photo-finishing, professional, radiographic and aerial photography.

Application forms for delegates may be obtained from Mr. C. Roberts, Research Laboratory, Kodak Ltd., Harrow, Middle-

sex, England. Information is also available from Mr. G. J. Rimes, Science Committee, Royal Photographic Society of Great Britain, 16 Princes Gate, Kensington, London, S.W.7, England.

**Audio for the Performing Arts** will be the theme of the Audio Engineering Society's 1965 International Convention and Exhibit to be held April 27-30 in Los Angeles. Technical papers will be presented at the Hollywood Roosevelt Hotel April 27-29 and a special session and private tour of the recently dedicated Los Angeles Music Center is scheduled for April 30. Highlights of the convention will include presentation of awards for outstanding contributions to the audio industry and presentation of a special honorary award and membership to Walt Disney. Further information is available from Gene Soltys, Director, Soltys Associates, 5481 Santa Monica Blvd., Los Angeles, Calif. 90029.

**A film series designed to improve utilization of instructional television** in elementary and secondary schools has been produced by the University of Texas Radio/Television according to terms of a contract between the National Association of Educational Broadcasters (NAEB) and the U.S. Office of Education. The series, consisting of six half-hour color films, form the basis of a teaching materials library to be operated in Washington, D.C., by the NAEB. Distribution of the films, which emphasize coordination of planning, preparation, production and use of instructional television materials, will be to teachers, administrators, teacher-training institutions and in-service workshops. Two of the six films demonstrate the use of television lessons in a single subject area and in a combination of several, including art, arithmetic, geography, history, health, literature and science, at the upper elementary level. *Kites*, the ocean, and *Alice in Wonderland*, are among the demonstration lesson topics. Grade levels range from third through 12th.

**The Massachusetts Institute of Technology** has announced a Program in Techniques in Oceanographic Instru-