head of the Image Structure Department, Physics Division, Kodak Research Laboratories. As the official publication of the Optical Society of America, its Journal has a circulation of about 7,000. Its Editor is elected to a three-year, renewable term. Among other achievements, Dr. MacAdam has pioneered in the application of automatic computing machines to scientific problems and has made studies of color measurement, the accuracy of color reproduction of color photography and printing, the theory of color photography, visual sensitivities to small color differences, visual adaptation to color, and color television.

Milford B. Moore has been appointed President and General Manager of Technology Instrument Corp. of California, a subsidiary of Bowmar Instrument Corp., 8000 Bluffton Rd., Fort Wayne, Ind. The firm specializes in precision single turn and multiturn potentiometers and other types of panel control and custom designed instruments. Prior to this appointment, Mr. Moore was Director of Manufacturing of Bowmar's Fort Wayne Division and had formerly been Vice-President of Manufacturing of Graflex, Inc., Rochester, N.Y.

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 9 East 41st St., New York 17, Price: $2.50.

Obituaries

Rudolf Peterson

Rudolf Peterson, President and founder of the Motion Picture Equipment Company of Skokie, Ill., died suddenly May 9 in Chicago. Born June 6, 1905, in a small village in Sweden, he came to the United States in 1923 and began working with Oscar DePue that same year. He was chief engineer for DePue until 1948 when he left the firm to found the Motion Picture Equipment Company with the purpose of carrying out his ideas on motion-picture printers. Designer of a series of printers, he also designed accessories for Bell & Howell printers, including sound printing head attachments and a fader now in use in many laboratories throughout the world. He had been a member of the Society since 1930.—*James L. Wassell.*

Adolph H. Rosenthal

Adolph H. Rosenthal died July 21, 1962, at his home in Forest Hills, N.Y. At the time of his death he was Scientific Advisor to the President of Kollsman Instrument Corp., Elmhurst, N.Y. He was born in Frankfurt, Germany, in 1906 and was graduated from the J. W. von Goethe University, Frankfurt-am-Main, Germany, with the degree of Doctor of Philosophy in Physics. He did postgraduate work at the Astrophysical Observatory, Potsdam, Germany, at the Observatory, Zürich, Switzerland, and the University of Utrecht, Holland. He became a member of the academic staff of J. W. von Goethe University in 1929 and left in 1933. From 1936 until 1948 he was Director of Research and Development for Scophony Corp. In 1948 he became Vice-president and Director of Research and Development for Freed Electronics Corp. in New York, and in 1955, when this company merged with Fairchild Camera and Instrument Corp., he became Vice-president and Senior Research Program Director for Fairchild, a post he held until January 1961 when he joined Kollsman Instrument Corp. Dr. Rosenthal held a number of patents in the fields of optics and astronomy. He was a long-time member of the Society and was also a member of the American Physical Society and the Optical Society of America. He was a Fellow of the Television Society of Great Britain and of the Royal Astronomical Society.

Books, Booklets, Brochures

This is the EBU is a 40-page illustrated booklet describing the European Broadcasting Union in terms of its aims and organization, activities and publications. It is published by the Technical Centre of the European Broadcasting Union, 32, avenue Albert Lancaster, Brussels 18, Belgium. The E.B.U., as defined in the booklet is a "nongovernmental International organization whose object is to take care of the interests of organizations operating broadcasting services. It is a

private association, with no commercial aim, although it is an association of operating organizations."

Nontechnical activities of the E.B.U. are handled at its Administrative Office in Geneva, Switzerland. This office includes the administrative, legal and program departments. Director of the Administrative Office is Dr. Charles Gillieron. Legal Advisor is Dr. Georges Straschnov.

The Technical Centre, in Brussels, operates a Receiving and Measuring Station situated at Jurbise, to the southwest of Brussels. An International Coordination Centre for television program exchanges is also operated by the Technical Centre and is accommodated in the Palais de Justice in Brussels, which also houses the microwave link equipment of Radiodiffusion-Television Belge. Director of the Technical Centre is Georges Hansen and the Chief Engineer is J. Treeby Dickenson. The *E.B.U. Review* is the Union's main publication.

The American Society for Testing and Materials, 1916 Race St., Philadelphia 3, has announced publication of eleven 1962 supplements to the 1961 Book of ASTM Standards. The Book of Standards, together with the supplements, contains over 20,000 pages and 3500 standards. All supplements are bound in heavy paper covers and hundreds of materials are covered. Each supplement is priced at $6.50 and the entire set of eleven is priced at $71.50.

The General Radio Experimenter, published by General Radio Company, West Concord, Mass., contains in the 12-page, April/May, 1963, issue a paper on "Absolute Calibration of PZT Microphones," by Basil A. Bonk, plus brief articles on "Type 1120-AB Frequency Standard," "The New W8 Variac Autotransformer," and "AC Theory and the Human Chest." These are all illustrated.

Coaxial R.F.–Video Patching Systems (Bulletin T-3) is an 8-page catalog available from Trompeter Electronics, Inc., 7238 Eton Ave., Canoga Park, Calif. Listed is a line of standardized coaxial patching equipment for the routing of R.F. in receiver and low-power transmitter installations, and the distribution of video signals in data, computer, telemetry, communications and TV installations.

The Strong X-16 Xenon Arc Lamp is described and illustrated in a 4-page brochure available from the Strong Electric Corp., 79 City Park Ave., Toledo 1, Ohio. The lamp is reported to give a steady, flickerless, pure white light, with no discoloration, which is evenly distributed throughout the total screen area. The lamp utilizes tungsten electrodes to provide an arc in a xenon gas atmosphere, totally enclosed in a quartz Osram envelope.

Textbook on Mechanized Information Retrieval, by Allen Kent, is a book designed to teach machine literature searching. Published (1962) by Interscience Publishers, a division of John Wiley & Sons, Inc., 440 Park Avenue South, New York 16, the book contains 268 pp. including illustrations. It measures 6 by 9¼ in. and is priced at $9.50. The book defines the basic principles and techniques of mechanized information retrieval, and shows how to apply them in any type of organizational setting. Its intent is to provide a sound basis for comparing various retrieval systems, for evaluating available procedures and equipment and for developing information-retrieval systems that will meet specific needs and requirements effectively.

The author is Associate Director, Center for Documentation and Communication Research, School of Library Science, Western Reserve University.

Super-Lab and Labmaster Film Processors are described in 4-page illustrated leaflets available from Westwood Division, Houston Fearless Corp., 11801 W. Olympic Blvd., Los Angeles 64. Also available are Bulletins #1 and #2 describing Houston Fearless memory drum systems.

Typical lighting arrangements for a 30- by 50-ft studio are shown in an 8-page illustrated leaflet available without charge from Century Lighting, Inc., 521 W. 43 St., New York 36 (or 1820 Berkeley St., Santa Monica, Calif). Various light grid mounting systems are illustrated and described and lamp data for Fresnelites, Scoops and Lekolites are arranged in handy reference form.

North American Radio-TV Station Guide, by Vane A. Jones, lists all radio and TV stations in operation as of November 1962, including those which had temporarily ceased operation, and those secheduled to start within the year. Stations listed include those in the United States and its possessions and those in Canada, Cuba, Mexico, and the West Indies. Among statistics given in the book are included frequency, power, network affiliations, antenna height, and stereo-equipped stations. Fourteen maps are included showing locations and protected areas for both VHF and UHF television stations and FM stations. The paperbound, 128-page book is published by Howard W. Sams & Co., Indianapolis 6, Ind. It is priced at $1.95.

BBC Handbook 1963, published by British Broadcasting Corp., Broadcasting House, London, W.1, contains much of the material included in the 1962 Handbook (*Journal*, p. 233, Mar. 1962) plus additional material, illustrations, etc. An especially interesting section (p. 96) describes the London Television Centre. Under the subhead of "Engineering Training and Recruitment," it is noted that "the recruitment of technicians and qualified engineers is a continuing need . . ." An extremely informative book, in addition to many illustrations, drawings, diagrams, and tables, it contains an index, an extensive bibliography, an outline history of the BBC, beginning November 1, 1922, the last entry being November 5, 1962, and the event the opening of the Swinden television relay service.