

Obituaries

Samuel G. Rose

Samuel G. Rose, a Life Member of the Society, died in March 1966 at the age of 78. He was born in Wyoming, attended high school in Sioux City, Iowa, and was graduated from the University of Nebraska in 1910 with a degree in chemistry. His intention was to enter the University of Chicago in the fall of 1910 to do graduate work in chemistry, but his plans were interrupted by a chance meeting with Alexander F. Victor.

The chance meeting was to develop into an association with the Victor Animatograph Corp. which lasted almost half a century. The meeting took place in Davenport, Iowa, where Mr. Rose was selling stereoscopes and 3D views to earn money for graduate school. Shortly before he met Mr. Rose, Mr. Victor had invented an amateur motion-picture camera and projector and was attempting, with the help of local business men, to promote the invention. Mr. Rose was hired as sales manager of the newly formed company, and shortly thereafter was made Secretary, and only a little later he became Executive Vice-President. When Mr. Victor retired in 1947, Mr. Rose became President of the firm. He retired in 1958. At the time of his retirement the company, under Mr. Rose's direction had established a vast network of dealers throughout South America, Europe, Africa



Samuel G. Rose (center of group) as he appeared in 1956. At his left is Morris Schwartz, President of Kalart Company, and Hy Schwartz is at his right.

and the Middle East.

A member of the Society since 1919, Mr. Rose was active in Society affairs and at the time of his death he was a member of the Historical and Museum Committee. Following the death of Mr. Victor in March 1961, Mr. Rose prepared an interesting and authoritative biography which appeared in the August 1963 issue of the Journal under the title, "Alexander F. Victor — Motion Picture Pioneer." The biography revealed the deep interest that both Mr. Victor and Mr. Rose had in safety film. Both men urged adoption of 28 mm film so that 35mm nitrate film could

not be split or trimmed to match the new size. "Then," as Mr. Rose relates in the biography, "came the millenium. In January, 1923, Eastman Kodak Company announced a new (reversal) film 16mm wide. . . . Victor did not await the reactions of the few other manufacturers. He immediately began designing a 16mm camera and projector. . . ."

Following Mr. Rose's retirement, the firm was acquired by the Kalart Company of Plainville, Conn. During the negotiations Morris Schwartz, President of Kalart, and Mr. Rose became close personal friends and his death was felt as a great personal



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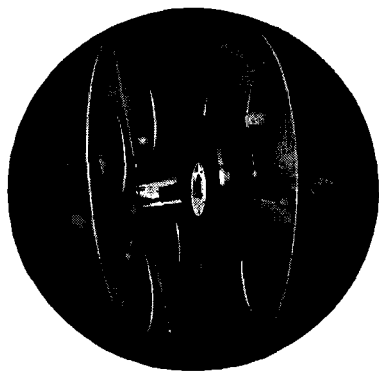
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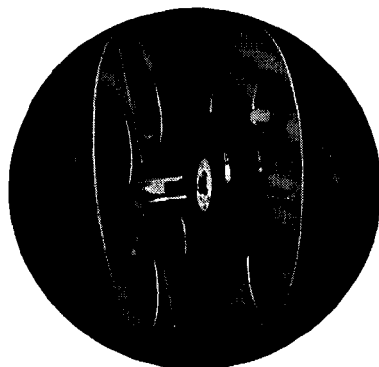


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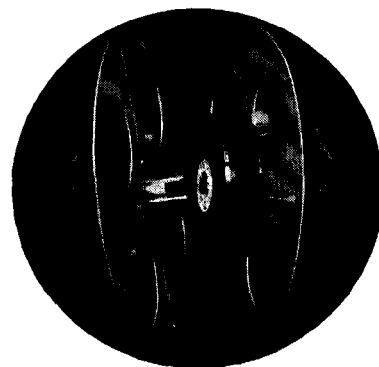


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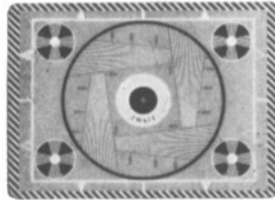
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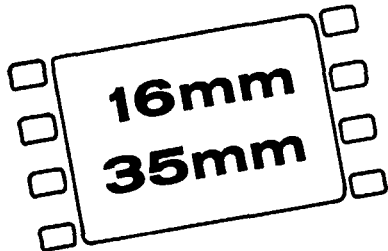
VIDEO TEST FILMS

TEST FUNCTIONS:

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- focus • linearity
- low and medium frequency response
- storage and transfer characteristics
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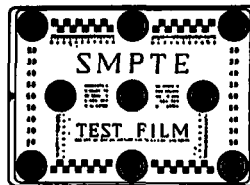


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loss by Mr. Schwartz and by other members of the Kalart organization who had learned to know him.

Walter R. Hicks a pioneer in sound-on-film for motion pictures, died May 20, 1966, in Danbury, Conn. His death, reported in the *Danbury News-Times*, May 21, occurred as the result of a heart attack. At the time of his death he was Director of Mechanical Development for Reeves Soundcraft Corp. in Danbury, a post to which he had been appointed in October 1965. Born in Washington, D.C., April 27, 1906, he was a graduate of Catholic University where he received the degree of Bachelor of Science in Mechanical Engineering. Following his graduation in 1927, he was employed by Fox Movietone News where he participated in the early production of newsreels and helped to develop early film recording practices using glow lamps, light valves and galvanometers.

His association with Reeves began in 1944. Well known as an inventor, many of his developments and inventions were patented, including an automatic radio paging system using 16mm photosound audio slides, a double-system film-driven magazine magnetic recorder, an electro-mechanical talking book and a book with (mechanical) talking pages. He was also known as the first man to record the cricket's chirp and break it down into its three components, chirp, fore-chirp and after-chirp.

A member of the Society, he was the recipient (1961) of the Samuel Warner Memorial Award "in recognition of his outstanding contributions in the design and development of methods and apparatus for sound-on-film in motion pictures."

Emanuel C. Manderfeld

Emanuel C. Manderfeld died July 4, 1966, at the age of 67. At the time of his death he was Chief Engineer of Development and Design at Mitchell Camera Corp. Born April 18, 1899, at New Ulm, Minn., he was graduated in 1921 from the University of Minnesota with a Bachelor of Science Degree in Engineering. In 1923 he was granted a degree in Electrical Engineering. He was employed by Bell Telephone Laboratories in July 1923 where he was assigned to the Personnel Department to teach Mathematics, Physics and Telephone Theory and Application to laboratory technicians. After three years he was assigned to a small group whose main goal was to design and develop motor or generator systems in which some characteristics such as speed, frequency or output voltage could be maintained to a high degree of constancy by means of electronic circuitry. These components were, for the most part, developed as a part of commercial sound picture systems.

After four years with the group he was transferred to a subsidiary of Western Electric in Los Angeles where he worked with film propulsion problems and sound recording equipment. In 1941 he was loaned to the University of California to work on the Manhattan Project and in 1945 he joined the Mitchell company as a project engineer.

A eulogy by B. G. Tubbs, President of Mitchell Camera Corp., notes that Mr. Manderfeld was "truly a professional en-

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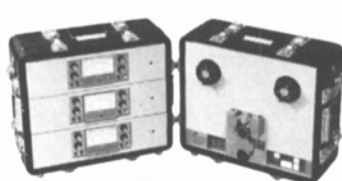
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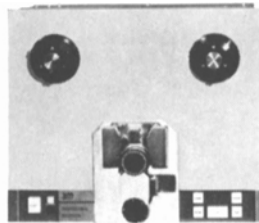
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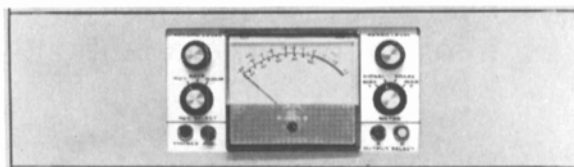
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ginger and executive. He was patient and understanding, always willing to help, and was an excellent teacher and advisor. He seemed to take great delight in teaching and training some of our younger people here at Mitchell. He was a quiet, kind and gentle person. Always on time, never absent, he lent to Mitchell a certain dignity and respect that we could always rely on when it came to receiving important visitors and guests. Technically speaking, we believe he deserves most of the credit for designing the Mitchell Background Projectors (single and triple heads) that are in use throughout

the world today. His death is a real loss to us and we miss him greatly."

A member of the Society since 1946, Mr. Manderfeld was the author of scientific papers, four of which appeared in the *Journal*. Titles of the papers are, "Permanent-Magnet Four-Ribbon Light-Valve for Portable Push-Pull Recording" (in the September 1938 issue of the *Journal*), "New Type of Double-Film Attachment" (in the December 1937 issue), and (with F. L. Hopper and R. R. Scoville) "Light-Weight Sound Recording System" (October 1939) and "New High-Quality Portable Film Recording System" (February 1937).

knowledge recording systems and recording media, and a discussion of the various indexing methods (ranging from intuitional human to more recent automatic methods, and including discussion of the physical form of index material). The document goes on to an extensive discussion of applications, including document management, retrieval and dissemination, right down to hardware and costs. It finally indulges in a perspective evaluation of the state of the art and prediction of trends. It is noted that cataloging and abstracting are surprisingly expensive tasks, and that more and more cooperation from the author, and more and more use of machine-readable punched tape, cards, etc., will be required. Automatic analysis of full text input by a computer is discouraging for the moment. Microform copy will continue to displace "hard-copy," but will need more standardization to be useful, particularly for integration into retrieval systems. It is to be noted that in spite of its recent dissemination by Clearinghouse, the document is really two years old, which is a long time in this art.

The second report covers a study of automatic classification of documents (in the specific experiment, some 2000 or 3000 abstracts) from the frequency of occurrence of key words used in the text — this being assumed to be in machine readable form. Automatic classification was compared with a pre-existing manual classification. The sensitivity of various parameters to successful classification was studied, the most sensitive condition found

Books Reviewed

Information Storage and Retrieval: A State-of-the-Art Report. By Lawrence Berul. Reproduced by U.S. Dept. of Commerce Clearinghouse for Federal Scientific and Technical Information, Springfield, Va. 22151; AD 630 089, Sept. 1964. 249 pp., 8½ by 11 in. Price \$6.00 (Microfiche \$1.50).

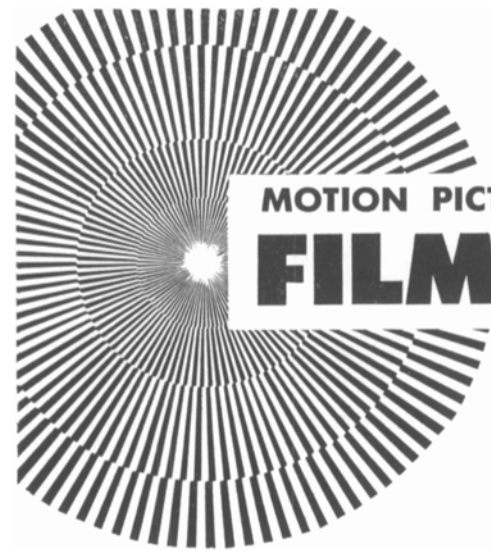
Discriminant Analysis for Content Classification. By John H. Williams, Jr. Reproduced by U.S. Dept. of Commerce Clearinghouse (address above); AD 630 127, Feb. 1966. 283 pp., 8½ by 11 in. Price \$6.00 (Microfiche \$1.50).

Optimization and Standardization of Information Retrieval Language and Sys-

tems. By Earl G. Fossum and Gilbert Kaskey. Reproduced by U.S. Dept. of Commerce Clearinghouse (address above); AD 630 797, Jan. 1966. 94 pp., 8½ by 11 in. Price \$3.00.

Within the last few years there has been considerable activity in the problem of information retrieval from the vast amount of recorded knowledge which is constantly being accumulated. These three recent documents from the U.S. Department of Commerce Clearinghouse collection discuss a few various phases of the problem.

The first is a state-of-the-art report which consequently gives a very general notion of the broader aspects of the situation. It gives a classification and discussion of



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