

Obituaries

Albert Rose

Albert Rose, a television pioneer, is dead at the age of 80. He was responsible for three of television's most important developments: the orthicon, image orthicon, and vidicon camera tubes.

Born in New York City, he received his A.B. degree from Cornell University in 1931. From 1931 to 1934 he served as a teaching assistant at Cornell, and in 1935 he received a Ph.D. degree in physics. Upon graduating, he joined the RCA Manufacturing Co., at Harrison, N.J., as a research engineer. While at RCA he became an associate of Harley Iams, a developer of the original iconoscope under Dr. Vladimir K. Zworykin. He and Rose joined forces and by 1937 they had designed and built some of the first low-velocity scanning beam camera tubes. This resulted in the orthicon, the first successful low-velocity tube, being announced in 1939.

In 1942 Rose moved to the RCA Laboratories in Princeton, N.J., where he engaged in important war work. One of his most successful projects was the development of the image orthicon camera tube in 1944. It was designed and built for a series of airborne missiles and reconnaissance aircraft. It was Rose's invention of the two-sided glass target that made this tube possible. The first model image orthicon (2P3) was available at the war's end and with many improvements it made post-war television possible. The product became the workhorse of the entire television industry until 1964. During that time Rose also did the preliminary research for the first photoconductive camera tube, the vidicon.

From 1955 to 1957 he directed research at the Laboratories RCA, Ltd., in Zurich, Switzerland. His interest in light-sensitive film, television pickup tubes, and the human eye resulted in a paper and a subsequent definitive book on the subject, entitled *Vision: Human and Electronic*.

A noted speaker, Rose lectured at the University of Illinois, California Institute of Technology, Massachusetts Institute of Technology, Polytechnic Institute of Mexico City, and Hebrew University in Jerusalem, Israel. He also served as visiting lecturer at Princeton University and visiting professor at Cornell, and was awarded an honorary degree by the Rochester Institute of Technology. He retired from RCA in 1975 and became a fellow of the technical staff.

During his lifetime Rose held over 40 patents and published over 50 technical papers and articles. Awards presented to him include the Television Broadcasters Association Award, the Morris Liebman Award, the David Sarnoff Outstanding Achievement Awards in Engineering and Science, and the SMPTE David Sarnoff and Journal Awards. He also received the Edison Medal of the IEEE for his basic contributions in television camera tubes. In 1986 the Institute for Graphic Communications created the Albert Rose Electronic Imager of the Year Award in his honor.

He was a member of both Phi Beta Kappa and the Societe de Physique. In 1975 he was elected to the National Academy of Engineering. He was also a fellow of the American Physical Society and a life fellow of the IEEE.

— Albert Abramson

Paul W. Vittum, a Life Member, is dead. A member of the Society since 1952, he was employed by Eastman Kodak Co. from 1933 to 1973, beginning as a research chemist in the photographic chemistry department and later serving as associate division head of the color photography division.

In the early years of his career he was concerned with the chemistry of dye-forming development and the study of developers and couplers subsequently used in a number of color processes. His work and ideas contributed to the origination of the couplers and dispersion system used in Ektachrome and to the colored couplers that are used as a means of automatically correcting for absorption deficiencies of the dye images used in the company's color negative films. He also played a key role in the perfection of these couplers and later in their application in specific color films. In honor of his contributions, he was awarded the Society's Herbert T. Kalms Gold Medal Award in 1962.

Chauncey L. Greene, a Life Fellow of the Society, is dead at the age of 90. A projectionist who retired from General Cinema Corp. in 1981, Greene had been a member of the SMPTE since 1924.

Harold R. Lipman, a Life Member of the SMPTE, died on September 23, 1990. He joined the Society as an Associate Member in 1936 while working at Audio Productions, Inc. In 1946, he transferred to Active Member status. In 1976, while working as a consultant for Action Productions, Inc., he became a Life Member.

Ralph J. Sherry, Sr., a Life Member, is dead at the age of 83. A member of the Society since 1946, he joined as an Associate Member while he was employed at Coronet Instructional Films. He transferred to Active Membership in 1956. He retired from Coronet in 1976 and became a Life Member later that year.

Alfred M. Sinder, an Active Member, is dead. He had operated his own consulting business, Alfred M. Sinder Co. He joined the Society in 1966 while serving as owner, general manager, and chief engineer of Dayton Communications Co., where he designed and installed closed-circuit television equipment. He attended Union College from 1941 to 1943, and held an Associate Degree in electrical engineering.

Experts Needed to Participate in '91 ISO Meeting in Japan

Motion-picture technology experts are needed to participate in the 14th Plenary Meeting of the International Organization for Standardization (ISO) Technical Committee 36. The meeting will be held May 20-27, 1991, in Tokyo, Japan.

ISO/TC36 covers international standardization of all aspects of motion-picture technology.

A delegation of U.S. technical specialists will represent the American National Standards Institute, the U.S. member body of ISO, in the deliberations of the TC36 Working Groups, joining with similar specialists from other member body nations in considering new and existing international motion-picture technology standards.

The work of TC36 is divided among five Working Groups.

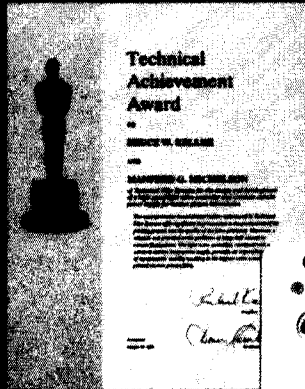
- WG1, Film Technology
- WG2, Laboratory Services Technology
- WG3, Audio Technology
- WG4, Presentation Technology
- WG5, Film/Electronic Interface Technology

Persons wishing to participate in this important work are invited to contact Sherwin H. Becker, Director of Engineering, SMPTE, 595 W. Hartsdale Ave., White Plains, NY 10607, (914) 761-1100.

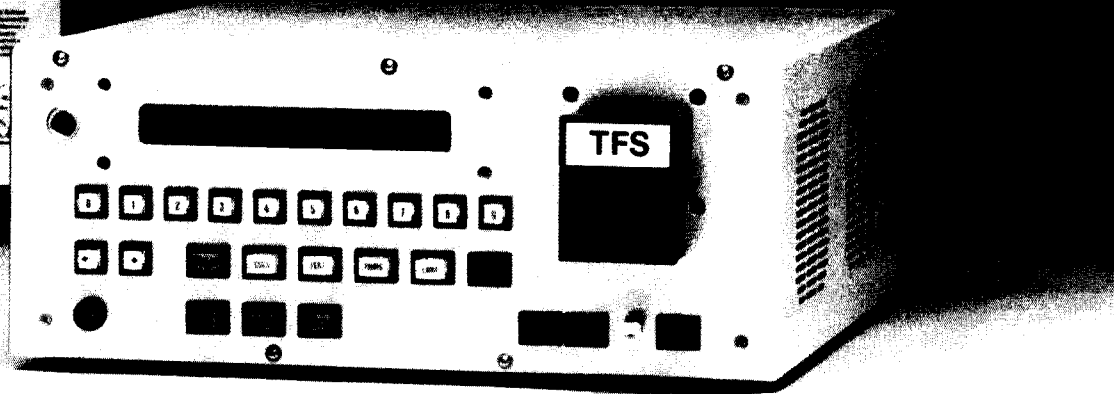
TOP OF THE LINE LIGHT VALVE CONTROLLER

The Award winning* model LVC Light Valve Controller

Designed to control the Michelson LV-4 Light Valves and the TFS INC. model FA-2 Fader. The LVC controllers are in operation at locations as diverse as Irene Film Laboratories (Pty) Ltd. in South Africa, Atlantic Film Kopierwerk GMBH in Hamburg, and Consolidated Film Industries in Hollywood.



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The model LVC-5 is the most advanced light valve controller available.

The LVC-5 has features not found in any other light valve controller.

▪ **CALIBRATION CAPABILITY.** Together with TFS INC. model CAP Calibration Probe, printers can be matched to exact .025 log E steps, to compensate for non-linear optics. This feature is used by laboratories to match answer print printers to previously unachievable accuracies.

▪ **EXTENDED TRIM RANGE.** The LVC series controllers all

have extended trim ranges past the standard 25 trims presently available.

▪ **RAMP CAPABILITY.** With the ramp option the LVC-5 is capable of ramping a printer up to full speed while printing in the picture area. This feature also precisely controls the sound track density. Reciprocity failure can also be corrected through program software.

▪ **FADER CURVE PROGRAMMING.** When used in conjunction with the FA-2 servo fader, multiple fader curves can be stored in the LVC-5 non-volatile memory.

▪ **DIGITAL LAMP CONTROL.** When used in conjunction with the TFS INC. model PLC Lamp current controller, the LVC will digitally control and monitor the lamp current, voltage and power. This provides light output accuracy far in excess of other controllers.

▪ **AUTOMATIC TRACK AND PICTURE SYNC CHECK.** This option will automatically check picture and track sync.

▪ **POSITION FEEDBACK.** This standard feature checks the position of the vanes after each light change.

*ACADEMY OF MOTION PICTURE ARTS AND SCIENCES TECHNICAL ACHIEVEMENT AWARD 1988. Awarded to M. G. Michelson and B. W. Keller for the design and development of a high speed light valve controller and constant current power supply for motion picture laboratories.

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