

# Obituaries

## Otto Schulze

Otto Schulze, a pioneer in the use of film techniques in television, died on March 14, 1993, at the age of 87. He joined the Society as an Associate Member in 1963, and transferred to Active Member in 1966. In 1984 he was named an SMPTE Life Fellow.

Schulze was born September 11, 1905, in Bernburg an der Saale, Germany. After his graduation from the Staatliche Friedrichs-Polytechnikum at Köthen/Anhalt in electro techniques, telecommunication, and high-frequency techniques, Schulze began his career with Siemens & Halske at Mannheim. In 1928 he moved to Berlin, where he served as the head of the test department for microphones, loudspeakers, movie sound recording, and playback amplifiers. It was during that time that he became interested in working with film as a medium.

From 1935 to 1945 Schulze worked in

television, becoming increasingly aware of the need for close interface between film and television. After working for a short period at Dresden, Schulze designed a television-owned film processing plant for 35mm black-and-white film in the negative/positive process.

In 1940 he designed the Nietschke Kamera, in which he equipped the rotating sector shutter with selenium cells, creating the first 35mm camera with continuous light measurement behind the lens. He was also responsible for the first application of magnetic sound technology in film production.

Following World War II, Schulze started his own consulting firm for electro techniques, film, and cinema. During this time he played a key role in the introduction of television suitable for 16mm reversal processing with controlled second illumination and reversal copying technique. He later turned his attention completely toward studio illumination and was the catalyst behind the creation of the working group for studio illumination of the ARD/ZDF, serving as the group's first chairman. In addition to designing uniform illumination measurement equipment with standardized optical, mechanical, and electrical parameters, he was involved with the illumination of sports arenas, in particular the lighting of the 1972 Olympic Games in Munich. He also founded the FAKI working group on system-related color reproduction. Of note, the development of metal-quartz iodine vapor in lamps of different power consumption is based on his work.

During his lifetime, Schulze participated in many committees and working groups relating to standardization of film recording, film post-production, film playback, and film illumination techniques. He also wrote numerous papers and articles on film techniques in television.

In recognition of his extraordinary efforts in the development of the film technique, gained especially by his decisive work in the introduction and further development of television, Schulze was awarded the Oskar-Meßter-Medaille by the FKFG in 1980.

**A. Kip Livingston**, a Life Member of the Society, is dead. He joined the SMPTE as an Active Member in 1956, while serving as vice-president of The Animation Equipment Corp. After a two-year hiatus, he rejoined the Society in 1969, at which time he was employed by MoviLab Inc. During his lifetime, he also held positions with Oxberry Corp. He became a Life Member in 1991.

**John F. Gonzales**, an Active Member of the SMPTE, died on April 12, 1993, at the age of 51. He joined the Society in 1981, at which time he was employed as a staff engineer at Ampex.

**John P. McNally**, an Active Member of the Society, is dead at the age of 53. He joined the Society in 1980, at which time he was employed by Buford Television of Ohio (WBTI) as a chief engineer. He had previously worked for WCET as a supervisor of transmitter and satellite facilities.

**Earl W. Romig**, an Active SMPTE Member, is dead. A field engineer at RCA Broadcast Systems, he had been a member of the Society since 1985. During his lifetime he was directly responsible for the design of and many technical improvements to the TR-800 Type C videotape recorder.

**Alexis P. Young**, an Active Member of the Society, is dead. Young joined the SMPTE in 1970, at which time he was working as the director of television engineering at the Chicago Federation of Labor and Industrial Union Council. He had previously held positions at RCA and WGN. In 1980 he joined Needham, Harper, & Steers, Inc.

**George Young**, an Active Member of the Society, succumbed to cancer on April 17, 1992, at the age of 47. He was vice-president, engineering, for ITV, a division of Westcom TV Group. Young had worked for CBC Toronto before being transferred to Edmonton to complete a CBC installation project in 1972. He was later recruited to serve as a designer on Edmonton's independent television station, which signed on the air in 1974. Under his technical guidance, Allaracom gained a reputation for introducing and maintaining state-of-the-art production facilities. He was responsible for designing the origination and distribution systems for pay television (Superchannel), which was introduced in 1983, and played a key role in the design and construction of the multimillion dollar Allaracom Soundstage facility, which was built in 1988.

Young was an active contributor to both the Western Association of Broadcast Engineers and the Canadian Association of Broadcasters. He also served on the Advisory Board of the Southern Alberta Institute of Technology's program in broadcast electronics. He had been a member of the SMPTE since 1977.

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