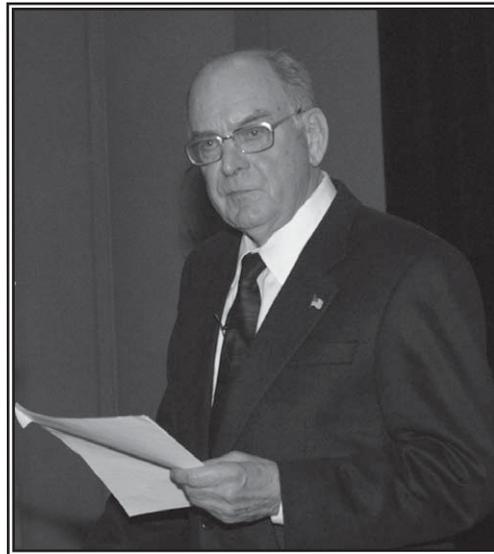


In Memoriam



Herbert E. Farmer
1920–2009



Manfred Schroeder
1926–2009

Herbert Farmer, AES Life Fellow and archivist and emeritus professor at the School of Cinematic Arts of the University of Southern California, died November 22. He was 89 years old.

“Herb was an absolutely essential part of the School of Cinematic Arts, and it’s difficult to imagine him not being here,” said Dean Elizabeth M. Daley. “His devotion to the university, the school, and the generations of students he instructed and inspired, is matchless. I am proud to have had him as a colleague and a friend.”

After making a crosscountry trip from Buffalo, New York, Farmer began classes at USC in 1938, also finding time to produce the Trojan Newsreel, shoot football coaching films and surgical motion pictures for the university, and play sousaphone in the marching band.

A few months shy of his graduation in 1942, Farmer took over teaching a motion picture history class from a professor who had been called to active duty in World War II. He taught full-time during the 1942-1943 school year before serving in the Navy from 1943-1946. He returned to

USC in the summer of 1946 and began teaching classes in basic film technology and distribution. He had been involved with the university ever since. He earned his master’s degree in cinema from USC in 1954.

At the time of his death, Farmer was still dedicated to overseeing his extensive archive of historical films and equipment ranging from zoetropes to the soundboard from *The Jazz Singer*, which he had gifted to the university. These materials are part of a rotating collection that is regularly put on display.

Farmer’s son, Jim Farmer, also a USC Trojan, often accompanied his father on his trips to the university. “As we would go through the new building, the words would always be the same: incredible, beautiful, wow, unbelievable, fantastic, I wish I could go back to school, I’d have so much fun.”

At a September 2008 celebration of Farmer’s 70 years of ongoing service to the university, Farmer spoke warmly about his time as a Trojan. “It’s been a wonderful life working with students here at the school,” he told the audience. “I’m grateful for

the time that I’ve been able to put into it. And I’d do it again if I had to or could.”

Farmer is survived by his son, former daughter-in-law Michele Himmelberg Farmer, and granddaughters Casey and Lindsey, a senior SCA production major. His wife of 62 years, Beatrice Feickert Farmer, died in January 2009.

Contributions can be made to the Bea and Herbert E. Farmer Endowed Fund, c/o USC School of Cinematic Arts, University Park, SCA 465, Los Angeles, CA 90089-2211 or online at <https://cinema.usc.edu/about/giving/donation.cfm?id=15>.

The fund will support USC’s extensive archive, which includes student films, historic cameras, projectors, and memorabilia.

Jim Farmer

Manfred Schroeder died on December 28, 2009. He studied mathematics and physics at the University of Göttingen in Germany, where he investigated the distribution of resonance in concert halls using microwave cavities as models. The chaotic distribution he

found is now recognized as characteristic of complex (nonintegrable) dynamical systems. In 1954 Schroeder joined the Research Department of AT&T Bell Laboratories in Murray Hill, New Jersey. From 1958 to 1969 he directed research at Bell on speech compression, synthesis, and recognition. Beginning in 1969 he has served as professor of physics at the University of Göttingen, commuting between the university and Bell. In 1991 he became professor emeritus at the University of Göttingen. Schroeder is also a founding member of the Institut de Recherche et Coordination Acoustique/Musique of the Centre Pompidou in Paris. In the late 1950s he helped to formulate the U.S. standards for stereophonic broadcasting, which is now used worldwide.

By 2001 he had 45 U.S. patents in speech and signal processing and other fields. He was the author of several books including *Number Theory in Science and Communication*; *Fractals Chaos, Power Laws: Minutes from an Infinite Paradise*; and *Computer Speech: Recognition, Compression, Synthesis*.

He received an AES Fellowship in 1963 and the AES Gold in 1972. In 2001 at the AES 111th Convention in New York he presented the Richard C. Heyser Memorial Lecture, "The Unreasonable Effectiveness of Mathematics in Audio." He was also a member of the *AES Journal* Review Board.

In 1991 he received the Gold Medal Award from the Acoustical Society of America. He also received the Lord Raleigh Medal of the British Institute of Acoustics and the Helmholtz Medal of the German Acoustical Society. He was a fellow of the American Academy of Arts and Sciences and the New York Academy of Sciences. He was also a member of the National Academy of Engineering in Washington and the Göttingen Academy of Sciences.

You can learn more about his life and work on his home page, www.physik3.gwdg.de/~mrs/.