

Stanley L. Ehrlich, a Fellow of the Acoustical Society of America and a past President of the Society, passed away Wednesday, July 24, 2013 after a brief illness at Charlton Hospital in Fall River, MA. Mr. Ehrlich was born in Newark, NJ, on January 7, 1925 and moved to Providence RI, the following year. In 1944, he received the Sc.B. in Engineering and , in 1945 the Sc.M. degree in Physics, both from Brown University. He also did postgraduate study from 1945 to 1948 at MIT and from 1951 to 1953 at the University of Connecticut, Storrs.

From 1948 to 1953 he was a Physicist at the USN Underwater Sound Laboratory (not the Naval Underwater Systems Center) in New London, CT. From 1953 until his retirement in 1992 he was at Raytheon Company's Submarine Signal Division in Portsmouth, RI where he was a consulting engineer.

During his career, he was awarded twelve patents on innovations in sonar components, many of which are still in use today. One patent, for which he is especially remembered as US Patent 3,290,646, patented Dec 6, 1966, titled "Sonar Transducer" and with co-inventor Paul D. Frelich. The invention "provided a unique, lightweight multimode transducer which produced simultaneously two dipole patterns with substantially mutually perpendicular acoustics axes and an omnidirectional pattern form plane-wave signals." What it accomplished, in essence, was a simple piezo-electric device that could sense the incident direction as well as amplitude of low frequency acoustics waves.

Mr. Ehrlich became a member of the Acoustical Society of America in 1949 and over the yeas worked extensively in the affairs for the Society. He was one of the early recipients, in 1986, of the Society's Distinguished Service Citation. He served as chair of the Committee in 1979-1981, served as chair of the Committee on Regional Chapters from 1976 to 1985, and served as Chair of the Medals and Awards Committee from 1991 to 1993. He served as Vice-President-Elect in 1992-93, as Vice President in 1996-97, and as President in 1996-1997. He served as Associate Editor of the Journal of the Acoustical Society of America from 1981 to 2003, and handled a large number of articles in a variety of areas, including transduction, acoustical measurements, and any paper loosely identified as applied acoustics.

In 2002, at a joint meeting of the Acoustical Society of America and the Madra Chapter of ASA in Velore, India, Stanley Ehrlich received the first Mira Paul Memorial Award, an award, including a Gold Medal, which was the granted by the Indian organization, the Acoustical Foundation, Editorial, Educational, and Charitable Trust (AFECT). The award was given annually to am outstanding acoustician whose achievements exemplify the ideals of AFECT, which is based in Madras and which has programs to help deafened individuals. Other recipients of the AFECT award include Leo Beranek Richard Lyon, and Allan Pierce.

Mr. Ehrlich was also an active member of the IEEE, chairing and serving on several committees. He was the Associate Editor of the IEEE Journal of Oceanic Engineering from 1975 to 1981, and the Editor of that Journal from 1982 to 1987.

Mr. Ehrlich, with his wife, Louise, who passed away in 1996, was a resident of Middletown, RI since 1960, where he served as President of the Chevrah Kadishah (Burial Society) and an active member of the Newport Chavurah. He is survived by his daughter, Barbara, his sons Stephen and Michael, and six grandchildren.