



## Kenneth Meade Lakin

January 14, 1941 - November 24, 2012

Kenneth Meade Lakin died at his home near Redmond, OR, November 24, 2012, after an extended battle with prostate cancer. He was born January 14, 1941, in Grand Rapids, Michigan to Mabel (Meade) and Harold Lakin. Ken grew up in Portland, MI, and graduated from the Univ. of Michigan with B.S. and M.S. degrees in Physics, Mathematics and Electrical Engineering and received his PhD in Applied Physics from Stanford University in 1969. Dr. Lakin was a faculty member at the University of Southern California from 1969 to 1980, where he conducted research on surface acoustic wave devices, thin film resonators, and piezoelectric film growth and characterization. From 1980 to 1989, he was affiliated with Iowa State University's Ames Laboratory and founded the Microelectronics Research Center. He formed TFR Technologies in 1989 and acted as President and CEO while conducting research on thin film resonators, piezoelectric materials, filters, planar dielectric resonators, and numerical analysis of electromechanical resonators for microwave frequencies. Ken retired from TFR Technologies in 2005. He published more than 100 technical papers and has 21 U.S. patents in the areas of acoustic signal processing devices and materials research. Ken was a Life Fellow of the IEEE and received the W. G. Cady award in 2003. In 2010 he was the recipient of the IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society Achievement Award for his pioneering work on aluminum nitride (AlN), AlN for Bulk Acoustic Wave devices (BAW) and being first to develop Solidly Mounted Resonators (SMR-BAW) and coupled resonator filters for BAW. Ken

was an avid outdoorsman enjoying backpacking, camping and wilderness exploration. He collected and restored vintage radios and was an amateur radio enthusiast (KD6B) since childhood. His friends and family will miss his sense of humor, his generosity and his Google-like encyclopedia of knowledge. He is survived by his wife of 44 years, Janet (Grieshaber); son Kurt of Des Moines, IA; daughter, Kristy of Portland, OR; brothers Jim (Janet) of Portland, MI, Roger (Carol) of Belding, MI; brother-in-law Robert (Patti) of Elkhart, KS; numerous nieces and nephews; and a loving group of supportive friends. A gathering of friends and family will be held January 12, 2013 at 11:00 am at First Congregational Fellowship Hall in Portland, Michigan. Contributions may be made to the Save the Redwoods League or Deschutes Land Trust.

Funeral Home:

Redmond Memorial Chapel

717 SW 6th Street

Redmond, OR

US 97756