



GEOHERMAL RISING Bulletin

DECEMBER 2020 | VOL. 49, NO. 4

In Memoriam

Randy Allen Normann

Randy Allen Normann, a longtime member of the GRC who worked with temperature data collection and high temperature equipment, passed away at his home Sunday, April 5, 2020.

Randy, the son of Charles and Jeannie Normann, was born March 23, 1955 in Syracuse, New York. He received his undergraduate degree from Oregon Institute of Technology (the nation's first geothermally heated campus) and received his MS E.E.C.E. from the University of New Mexico. Randy was the founder of On Measurement 4U, LLC, which manufactured low-cost, customer-adaptable, electronics-supporting scientific measurement equipment. Before On Measurement, Randy worked in Sandia National Laboratory's Geothermal Research Department as the lead investigator for high-temperature electronics and fiber optics development. He later joined Perma Works to manufacture the world's only electronic geothermal well monitoring system rated for 275°C+ and became its

chief technology officer.

In the area of high-temperature battery research, he received an R & D 100 award in 2006 for the first-ever 250°C battery. Randy was the DOE technical lead on the Honeywell Deep Trek Project developing new HT SOI electronics, and he was a contributing author to the book *Extreme Environmental Electronics*.

Randy had also been the general co-chair for the High-Temperature Electronics Conference for over 20 years and was a long-term member of the European High-Temperature Network (HITEN).

Randy is survived by his wife, Cheri Elliott Normann.



Maren Teilman

Maren Teilman of Reno, Nevada, died July 8, 2019 at her home at the age of 71.

She was born in San Francisco, California, February 25, 1948 to Gardner and Audra Claypool Teilman. Maren grew up alongside an engineering father whose specialty was bridge construction, and perhaps that exposure helped decide her own career field. She studied geology at the University of Nevada, Reno, and graduated with a BS in 1974. Soon after, she became one of the first registered female professional geologists in the state of Nevada. She was also quite proud of her accomplishment, as a woman, in obtaining a Nevada Blaster's License.

Maren worked on early geothermal exploration in Nevada and California for Vulcan Geothermal, Munson Geothermal, Magma Energy, and in Central America. She also worked individually with Martin Booth and other geothermal geologists. Whenever she was questioned as to her right to enter a parcel of ground, she was known to say, "It's okay, I'm a geologist." Sailing was also a favorite activity, but above all, she enjoyed being a geologist.

Maren had a great love of cats and was known to care for not only her house cats but several alley cats who



frequented her food bowl. Her most recent pet, Bad Girl, was extremely attentive to Maren – as much as a cat could be. A friend has taken Bad Girl into their home.

Surviving Maren are several cousins and many friends.