



## Alice Louise Alldredge '71

### Distinguished Achievement Award

Alice Louise Alldredge is an outstanding scholar, pioneering scientist, and multi-faceted contributor to the fields of biological and chemical oceanography.

A member of the faculty at the University of California--Santa Barbara since 1976, Alldredge has had several breakthroughs, including the use of blue water diving in the open ocean to study zooplankton, the discovery of the existence of abundant gel particles called Transparent Exopolymer Particles (TEP), the role of marine snow (the form of most settling material in the ocean) in the ecology and the cycling of carbon in the sea, and the existence of diverse guilds of marine plankton that change habitats from day to night.

In 2008 Alldredge received the G. Evelyn Hutchinson Award from the American Society of Limnology and Oceanography (ASLO) for her "broad, significant, and ongoing impact of oceanography" and for serving as a "beacon of excellence... through innovative science activities that have deepened our knowledge." In 1992, Alldredge shared the Henry Bryant Bigelow Gold Medal from the Woods Hole Oceanographic Institution with Dr. Mary Wilcox Silver for their creative research on marine snow.

Alldredge was elected a fellow of the American Association for the Advancement of Science in 1990 and of the American Geophysical Union in 1998. In 1996 she received the Campus Distinguished Teaching Award-Sciences, from UC-Santa Barbara. Alldredge was the founding chair of the institution's graduate program in marine science (1995-2004), and she has been chair of the Department of Ecology, Evolution, and Marine Biology since 2004. In addition, Alldredge has served on and chaired many committees for the ASLO, the National Research Council, and the National Science Foundation.

After majoring in biology at Carleton, Alldredge earned a PhD from the University of California-Davis in 1975 and was a NATO Postdoctoral Fellow at the Australian Institute of Marine Science in 1975-1976.

Alldredge and her husband, James M. King, have three children, and Alldredge noted she is grateful to have achieved academic and research success while balancing a family and spiritual life. A resident of Goleta, California, Alldredge is a leader of a Buddhist meditation community in Santa Barbara and teaches insight/mindfulness meditation there.