

FRIENDS WE HAVE LOST

KEN MELVILLE (1946-2019)

Ken Melville was a distinguished professor at Scripps Oceanography who made profound contributions to science's understanding of waves and the interaction of ocean and atmosphere. At several points in his career, Ken was also a leader at Scripps, serving as deputy director of research, chair of Scripps' education office known as the SIO Department, and in other administrative roles. Ken was a pioneering researcher, combining fundamental theoretical insights with innovative use of technology to transform our understanding of the application of fluid mechanics to oceanography, especially in air-sea interaction, acoustic and microwave remote sensing, and ocean waves. Among his many honors, Ken was a fellow of both the Acoustical Society of America and the American Physical Society. He was a recipient of the Guggenheim Fellowship and the Sverdrup Gold Medal from the American Meteorological Society. Ken supervised 20 doctoral students over the course of his career. He is remembered fondly by many former students and colleagues for his mentorship, kindness, passion for the ocean sciences, and dedication to educating the next generation of scientists.

FREDA REID (1926-2020)

Freda Reid was a longtime researcher at Scripps Oceanography and a vital member of the Scripps community. Born and raised in England, Freda received a bachelor of science degree in botany and zoology from Manchester University. She did graduate work in algology and ecology at Ohio State University before accepting a graduate research position at Scripps in 1952. Shortly after her arrival, she met Scripps physical oceanographer Joseph Reid; the two were married in 1953 and raised two sons together. In 1965, Freda joined Scripps as a research scientist specializing in phytoplankton. She worked in the Food Chain Research Group that was part of the then-Scripps division called the Institute for Marine Research (IMR). The research group conducted groundbreaking work, attempting to track not only changes in species composition and biomass in the Southern California Bight, but energy transfer between and among trophic layers. Freda was an early member of the Friends of the San Dieguito River Valley and helped work on the restoration of the San Dieguito River estuary. She also became active in Del Mar city affairs and was a unique contributor to the Del Mar Sandpiper, authoring articles that emphasized her deep love of ocean life and preserving the river valley. Freda retained her affiliation with IMR until 1987 then remained at Scripps as a research associate until 2008.

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