

## University of California: In Memoriam, 1980

### Helge Shipstead, Dairy Industry: Davis

1891-1980

Dairy Technologist Emeritus in the Experimental Station

Helge Shipstead died quietly in his sleep on August 27, 1980, at his son's home in Granada Hills. Helge had enjoyed twenty-one years of retirement after a varied professional career.

Shipstead became associated with the Dairy Industry Department, UCD, in 1946, when he began a research program concerned mainly with the use of nonfat dry milk in bread, and particularly with the interactions of casein and wheat gluten that influence the structure and baking quality of bread dough. Shipstead's research conducted during a sabbatical leave at the Norwegian Agriculture College at Vollebekk led to U.S. and Norwegian patents on method and apparatus for determining total solids in milk and other fluid foods. He became Dairy Technologist in the Experiment Station in 1951, and Dairy Technologist Emeritus in 1959.

Helge Shipstead was born in Sweden on September 14, 1891, of Norwegian parents. He studied at the Institute of Technology, Berlin, Germany, and graduated with the Chemical Engineering degree in 1915 and the Doctor of Engineering in 1917. After service in the Norwegian army, he came to the United States in 1920. His professional career before joining the University included employment as Research Chemist with Eastman Kodak in Rochester, New York, and with Borden Company in Syracuse, New York, and Director of Research for Freia Chocolate Company, Oslo, Norway. He was awarded a certificate of appreciation by the U.S. Quartermaster Corps for his work during World War II on manufacture of whole milk and egg powder. Results of his research were applied in many countries throughout the world.

While living in Rochester, Helge met Olive Puttick, teacher of piano at the Eastman School of Music, whom he married in England in 1926. Helge's death terminated their 56 years together, then Olive died one month later. The Shipsteads are survived by their son Olaf of Granada Hills, California, their daughter Inga Dubay of Portland, Oregon, and seven grandchildren.

W. L. Dunkley E. L. Jack W. G. Jennings

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