

THE UNIVERSITY OF MICHIGAN
Regents Communication

ACTION REQUEST

Subject: Report of Faculty Retirement

Action Requested: Adoption of Retirement Memoir

Werner J.A. Dahm, Ph.D., professor of aerospace engineering, College of Engineering, retired from active faculty status on October 31, 2010.

Professor Dahm received his B.S.E. degree from the University of Alabama in 1978, his M.S. degree from the University of Tennessee Space Institute in 1981, and his Ph.D. degree from the California Institute of Technology in 1985. He joined the University of Michigan faculty as an assistant professor in 1985, and was promoted to associate professor in 1991, and professor in 1997. He was appointed head of the Laboratory for Turbulence and Combustion in 1994.

Professor Dahm made a number of distinguished contributions to teaching and research. His challenging course on turbulence was popular with graduate students because of the depth and clarity of his lectures. He mentored a number of graduate students who owe their successful careers to his guidance. Professor Dahm's research resulted in some of the first visualization of the fine-scale structure of turbulence and the quantification of one of the fundamental scaling laws of turbulence. He pioneered the use of several laser diagnostic techniques and utilized these techniques to discover some aspects of the fundamental physics of turbulent flows. His research is known for clever innovations, which led him to invent a new type of micro-engine and a new propulsion concept for small jet engines. He has given over 100 invited and plenary lectures worldwide and authored more than 180 technical publications.

Professor Dahm also has been a leader in serving our nation. He served as the chief scientist of the United States Air Force in the Pentagon, Washington, DC from 2008-10. During this time he authored the "Technology Horizons" vision document. Prior to this appointment he served on the U.S.A.F Science Advisory Board. His awards include Fellow of the American Institute of Aeronautics and Astronautics (2006), Fellow of the American Physical Society (1998), the William F. Ballhaus Aeronautics Prize (1985), and numerous departmental research and teaching awards.

The Regents now salute this distinguished faculty member for his dedicated service by naming **Werner J.A. Dahm professor emeritus of aerospace engineering**.

Requested by:



Sally J. Churchill, J.D.

Vice President and Secretary of the University

January 2011