



The University of Vermont
FACULTY SENATE

**Resolution in Memoriam
Charles Hackett Bushweller
Professor Emeritus of Chemistry
1939-2021**

**Presented by Christopher Landry
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It is with sadness that the Department of Chemistry reports that Dr. Charles Hackett Bushweller, Emeritus Professor of Chemistry, passed away at his South Burlington home on November 21, 2021 after a short battle with cancer. Hack, as he was affectionately known to family, friends, and colleagues, was born in Port Jervis, New York in 1939. His innate scientific curiosity and intelligence led him to Hamilton College, where he received his B.S. in Chemistry. Later, he took just three years to complete his Ph.D. at the University of California at Berkeley—a remarkable feat in any field.

After receiving his Ph.D., Hack worked briefly at the Mobil Oil Company in New Jersey before transitioning to an academic career at Worcester Polytechnic Institute, the University of Michigan, and the State University of New York at Albany. He came to UVM in 1978, and served as Chair of the Department of Chemistry for twenty years, from 1978 to 1998. Hack's research was focused on the application of dynamic nuclear magnetic resonance spectroscopy (NMR) to elucidate thermodynamic and kinetic properties of both organic and inorganic molecules. His contributions include fundamental thermodynamic parameters of six-membered rings which serve as a foundation for understanding and making predictions of six-membered ring reactivity. Hack was the recipient of funding from the National Science Foundation and published 75 articles in scholarly journals. One of Hack's three sons, John, is a well-known Professor of Chemistry at the University of Virginia.

Hack's family and friends remember him as someone who loved music and dancing, building and construction, and outdoor activities of all kinds, and his colleagues recall his high level of scholarship and his steady leadership of the Department through good times and bad. His kind spirit and dry sense of humor will be remembered fondly.