

George A. Abbott, 1874-1973



Dr. George Alonzo Abbott, Professor Emeritus at the University of North Dakota, had a long and fruitful career of service to the State of North Dakota and the science of Chemistry. He was born July 7, 1874, in Alma, Illinois. Dr. Abbott received both the B.S. and M.A. pro merito from DePauw University. From 1896 until 1904 he taught chemistry in high schools in Evansville, Indiana; Duluth, Minnesota; and Indianapolis, Indiana. In 1903, through a contact with Professor Talbot, he received the Austen Research Fellowship at Massachusetts Institute of Technology. Under the guidance of A. A. Noyes, Professor of Physical Chemistry at M.I.T., he received the Ph.D. in 1908. In this first class of doctorates in chemistry were such notables as Edward Washburn, Charles Kraus and Richard Tolman. Dr. Abbott joined the chemistry staff of the North Dakota Agricultural College (North Dakota State University) in 1909. In 1910 he was appointed Professor and Chairman of the Department of Chemistry at the University of North Dakota. His devotion to teaching and the application of chemistry for the betterment of North Dakota was one of his outstanding contributions. His interests in quality water and in natural products such as lignite, for which North Dakota is recognized, gave him national recognition. For half a century he was the only toxicologist in a wide area of the upper midwest. He found time to do a weekly radio program "Science from the Sidelines" which was broadcast for over twenty years. Professor Abbott was a founder and charter member of the North Dakota Academy of Science. He was a member of the Red River Valley Section of the American Chemical Society, a Fellow of the American Institute of Chemists, member of Sigma Xi, and a charter member of the University of North Dakota Phi Beta Kappa chapter. Dr. Abbott retired from administration in 1948 and from teaching in 1952. He continued toxicological work until 1970.

The George A. Abbott Lectureship was established by gifts from the University of North Dakota Alumni.

PREVIOUS GEORGE A. ABBOTT LECTURERS

1963	Dr. Nelson Leonard, University of Illinois	1985	Dr. Harry B. Gray, California Institute of Technology
1964	Dr. Robert West, University of Wisconsin	1986	Dr. Allen J. Bard, University of Texas at Austin
1965	Dr. Robert Parry, University of Michigan	1987	Dr. William J. Bailey, University of Maryland
1966	Dr. Ralph G. Pearson, Northwestern University	1988	Dr. Mark S. Wrighton, Mass. Institute of Technology
1967	Dr. Harold J. Bernstein, N.R.C. Ottawa, Canada	1989	Dr. Peter B. Dervan, California Institute of Technology
1968	Dr. Edward L. King, University of Colorado	1990	Dr. Robert H. Grubbs, California Institute of Technology
1969	Dr. David N. Hume, Mass. Institute of Technology	1991	Dr. Andrew Streitwieser, Univ. of California-Berkeley
1970	Dr. Ronald Breslow, Columbia University	1992	Dr. Marye Anne Fox, University of Texas at Austin
1971	Dr. Arnold C. Wahl, Argonne Laboratory	1994	Dr. Kendall N. Houk, University of California, LA
1972	Dr. John L. Margrave, Rice University	1995	Dr. Edward Yeung, Iowa State University
1973	Dr. Cheves Walling, University of Utah	1997	Dr. Henry F. Schaefer, III, University of Georgia
1974	Dr. Fred McLafferty, Cornell University	1999	Dr. Tobin J. Marks, Northwestern University
1975	Dr. Daryle H. Busch, Ohio State University	2000	Dr. Alexander Pines, University of California-Berkeley
1976	Dr. Hans H. Jaffe, University of Cincinnati	2001	Dr. Paul A. Wender, Stanford University
1977	Dr. Roald Hoffmann, Cornell University	2002	Dr. Samuel H. Gellman, University of Wisconsin
1978	Dr. H.C. Brown, Purdue University	2003	Dr. Victor J. Hruby, University of Arizona
1979	Dr. Leo A. Paquette, Ohio State University	2004	Dr. William H. Miller, University of California-Berkeley
1980	Dr. Robert E. Sievers, University of Colorado	2005	Dr. Barry K. Carpenter, Cornell University
1981	Dr. Dietmar Seyferth, Mass. Institute of Technology	2006	Dr. Malcom Chisholm, The Ohio State University
1982	Dr. Koji Nakanishi, Columbia University	2007	Dr. Catherine Fenselau, University of Maryland
1983	Dr. Melvin Calvin, University of California-Berkeley	2008	Dr. Richard J. Saykally, University of California-Berkeley
1984	Dr. Gabor Somorjai, University of California-Berkeley		



CHEMISTRY DEPARTMENT

The 2009 Abbott Chemistry Lectures

April 14th & 15th, 2009

Dr. Richard N. Zare

Marguerite Blake Wilbur Professor in Natural Science Stanford University



Richard N. Zare, who is the Marguerite Blake Wilbur Professor in Natural Science at Stanford University, was born on November 19, 1939 in Cleveland, Ohio, and graduated from Harvard University with a B.A. degree in chemistry and physics in 1961 and a Ph.D. in chemical physics in 1964. In 1965 he became an assistant professor in the Department of Chemistry at the Massachusetts Institute of Technology, but moved to the University of Colorado in 1966, remaining there until 1969 while

holding joint appointments in the departments of chemistry and physics. In 1969 he was appointed to a full professorship in the chemistry department at Columbia University, becoming the Higgins Professor of Natural Science in 1975. In 1977 he moved to Stanford University.

Professor Zare is renowned for his research in the area of laser chemistry, resulting in a greater understanding of chemical reactions at the molecular level. By experimental and theoretical studies he has made seminal contributions to our knowledge of molecular collision processes and contributed very significantly to solving a variety of problems in chemical analysis. His development of laser induced fluorescence as a method for studying reaction dynamics and for analyzing complex mixtures for their constituent components has been widely adopted in other laboratories.

Tuesday, April 14th, 7:00 PM

"Cars: Chemistry in Motion"

Wednesday, April 15th, 12:00 PM

"Supercritical Fluid Precipitation:

A New Modality for Drug Delivery"