

CURRICULUM VITAE

Donald E. Sands

Birth:

February 25, 1929

Education:

B.S. in Chemistry, Worcester Polytechnic Institute, 1951.
Ph.D. in Physical Chemistry, with Minors in Physics and
Mathematics, Cornell University, 1955. Preceptor J. L.
Hoard.

Experience:

Graduate Assistant, Cornell University, 1951-55.
Research Associate, Cornell University, 1955-56.
Senior Chemist, Lawrence Livermore Laboratory, 1956-62.
Assistant Professor of Chemistry, University of Kentucky,
1962-65.
Associate Professor of Chemistry, University of Kentucky,
1965-68.
Professor of Chemistry, University of Kentucky, 1968-
present.
Visiting Professor of Chemistry, University of Florida,
Spring 1970 (sabbatical leave).
Director of General Chemistry, University of Kentucky,
January 1974-June 1975.
Associate Dean, College of Arts and Sciences, University of
Kentucky, 1975-81.
Acting Dean, College of Arts and Sciences, University of
Kentucky, July 1, 1978 to December 31, 1978 and
August 1, 1980 to June 30, 1981.
Associate Vice President for Academic Affairs, University of
Kentucky, 1981-82.
Associate Vice Chancellor for Academic Affairs, University
of Kentucky, 1982 to March 1984.
Vice Chancellor for Academic Affairs, University of
Kentucky, March 1984-September 1989.
Responsibilities included Admissions, Registrar,
Undergraduate Council, University Studies,
Scholarships, Honors Program, International
Programs, University Extension, University Press,
Art Museum, Radio Station, faculty promotions
Section Head, Division of Teacher Preparation and
Enhancement, Education and Human Resources
Directorate, National Science Foundation, October
1, 1989-July 26, 1991. Responsible for Teacher
Preparation Program, Statewide Systemic
Initiatives, Networks, Private Sector Partnerships,
total budget \$36 million annually.
Chairman, Department of Chemistry, University of Kentucky,
1993 - 1997

Research Interests:

Physical chemistry.
Crystallography.
Thermodynamics.
Motion in crystals.
Tensor properties of crystals.
Statistics and information theory.
Chemical education.

Professional Societies:

American Association for the Advancement of Science
American Association of University Professors
American Chemical Society
American Crystallographic Association
Kentucky Academy of Sciences
New York Academy of Sciences
Omicron Kappa Delta
Sigma Xi

Personal Information:

Married Elizabeth Stoll, 1956
Children: Carolyn Looff, Stephen R. Sands
Three grandchildren

Books Published:

Introductory to Crystallography
Published by W. A. Benjamin Books, Addison-Wesley Publishing
Company, 1969. 4 printings. Reprinted by Dover
Publications, 1993.

The Vectors and Tensors of Crystallography
Published by Addison-Wesley Publishing Company, 1982. To be
reprinted by Dover Publications, 1995.