

CURRICULUM VITAE
DAVID K. LEWIS
Margaret W. Kelly Professor of Chemistry
Connecticut College

Address:

Department of Chemistry
Connecticut College
New London CT 06320
Phone: 860/439-2478

Education:

Ph.D., Cornell University, 1970: Physical Chemistry
A.B., Amherst College, 1964: Chemistry (honors)

Research interests:

Participation of minorities in the sciences
Atmospheric/environmental chemistry and physics
Studies of fast chemical reaction rates and mechanisms in shock tubes
Computer modeling of chemical reactions
Ultrahigh resolution laser spectroscopy

Community and personal interests:

Campus governance and student life
Student presentations and athletic events
Community organizations that support people with disabilities
History, particularly World War II
Climate, weather and environmental concerns
Music
Technology and its applications to communications
Canoeing, hiking and cross-country skiing

Career summary:

Aerodyne Research, Inc., Visiting Principal Scientist, 2001-present – responsibilities include designing instruments to detect and characterize fine particles in the atmosphere that are now recognized as concerns for climate and public health.

Connecticut College, 1995-present

Acting/Interim President, January-October 2001 – responsibilities included leading a team of eight vice presidents; working with faculty, staff and student committees to produce a balanced operating budget; restoring shared governance; directing development of an emergency response plan; maintaining fund-raising momentum during the transition period; speaking at alumni events throughout the country; and producing a plan for a smooth transition for the next president.

Provost and Dean of the Faculty, 1997-2001 – responsibilities included hiring 36 new tenure-track faculty with a significant increase in diversity; building trust among faculty and administrators; supervising academic deans, department chairs and program directors and working with them on curriculum, long-range planning and research funding proposals; securing an HHMI grant for the college and laying the groundwork for other major grant proposals; producing a comprehensive annual list of faculty accomplishments; improving the quality of grant proposals for the college's academic programs.

Margaret W. Kelly Professor of Chemistry, 1996-present; Professor of Chemistry, 1995-96 – responsibilities include building a physical/analytical chemistry program; conducting a laboratory research program with Connecticut College undergraduates and collaborators from Aerodyne Research, Inc., NASA, Syracuse University and Hollins University. Assumed major responsibility for planning renovation of Hale Chemistry Laboratory in 1996.

Colgate University, 1969-95

Charles A. Dana Professor of Chemistry, 1988-95

Director, Division of Natural Sciences and Mathematics, 1982-85, 1988-91

Chair, Department of Chemistry, 1987-88

Interim Associate Dean of the Faculty, 1985-86

Professor of Chemistry, 1980-88

Associate Professor of Chemistry, 1976-80

Assistant Professor of Chemistry, 1969-76

University of North Carolina at Chapel Hill, Visiting Professor, 1987

Syracuse University, Visiting Research Professor in Chemistry, 1986

University of Colorado and NOAA, Visiting Senior Research Fellow, 1977-78

Teaching experience:

Physical and biophysical chemistry; analytical and instrumental chemistry; atmospheric chemistry and physics; environmental issues; chemistry in art; peace studies

Professional Service:

Represented Connecticut College at Annapolis Group, ACE, NESCAC and other meetings of college presidents, 2001

Designed programs, both at Connecticut College and at Colgate University, that steadily increased diversity in science programs and in research groups

Reviewer of tenure and promotion dossiers for numerous colleges and universities

Consultant and member of visiting committees to many undergraduate colleges

Reviewer of proposals submitted to granting agencies including the National Science Foundation, the Petroleum Research Fund and Research Corporation

Reviewer of manuscripts submitted to *Journal of the American Chemical Society*, *Journal of Physical Chemistry*, *Journal of Organic Chemistry*, *Journal of the Air Pollution Control Association*, *International Journal of Chemical Kinetics*, *American Journal of Physiology* and *Journal of Chemical Education*

Councilor, Council on Undergraduate Research 1980-90

Associate Editor, *Newsletter of the Council on Undergraduate Research* (now *CUR Quarterly*) 1980-87 and *Research in Chemistry at Undergraduate Institutions* 1982-92

Charter member, Central New York Regional Planning and Development Board Task Force on Hazardous and Toxic Wastes 1980-84

Member, Madison County, NY Environment Management Council 1985-90; Advisory Council member 1983-85

Charter member, Madison County, NY Task Force on Hazardous and Toxic Wastes 1981-83