

Curriculum Vitae of William A. Lester, Jr.

Address: Department of Chemistry, University of California, Berkeley, California 94720-1460

Birth date: April 24, 1937; Chicago, Illinois

Education: Chicago Public School System

University of Chicago, B.S., Chemistry

University of Chicago, M.S., Chemistry

The Catholic University of America, Ph.D., Chemistry

Professional Experience:

•National Bureau of Standards, Washington, D.C., Physical Chemist, 1961–64

•University of Wisconsin, Madison

Theoretical Chemistry Institute, Postdoctoral Associate, 1964–65

Assistant Director, 1965–68

Department of Chemistry, Lecturer, 1966–68

•IBM Corporation

IBM Research Laboratory, San Jose, California, Permanent professional staff, 1968–75

IBM T. J. Watson Research Center, Yorktown Heights, New York, Member, Technical Planning Staff, 1975–76

IBM Research Laboratory, San Jose, California, Manager, Molecular Interactions Group, 1976–78

•Lawrence Berkeley National Laboratory

Director, National Resource for Computation in Chemistry (NRCC), 1978–81

LBL Associate Director and Staff Senior Scientist, 1978–81

Principal Investigator and Faculty Senior Scientist, 1981 to present

•University of California, Berkeley

Professor of Chemistry, 1981 to present

Associate Dean, College of Chemistry, 1991–95

Faculty Athletics Representative, 1999–2004

•National Science Foundation

Senior Fellow for Science and Engineering and Assistant to the NSF Director for Human Resource Development, 1995–96

Other Positions and Committees:

Co-Chairman, Conference on Potential Energy Surfaces in Chemistry, University of California, Santa Cruz, California, 1970

Advisory Committee, Atomic and Molecular Physics, Office of Naval Research, 1974

Chemistry Research Evaluation Panel, Directorate of Chemical Sciences, Air Force Office of Scientific Research, 1974–78

United States National Committee, International Union of Pure and Applied Chemistry, 1976–79

Gordon Conference on Atomic and Molecular Interactions, Vice-Chairman, 1976, Chairman, 1978

Consultant to the National Science Foundation, 1976–77, 1985–87

Advisory Board, Atlanta University Center Science Research Institute, 1980–82

Panel for Chemical Physics, National Bureau of Standards, 1980–83

National Science Foundation, Chemistry Division Advisory Panel, 1980–83

Chairman, Computer Policy Board, Lawrence Berkeley Laboratory, Berkeley, California, 1981–83

Committee to Survey Opportunities in the Chemical Sciences, National Research Council, 1982–84

Task Force on Large Scale Computing, Joint Board-Council Committee on Science, American Chemical Society, 1983–84

Energy Research Users Advisory Committee on the National Magnetic Fusion Energy Computer Center, 1984

Head, U.S. Delegation, US-Sweden Workshop on the Future of Chemistry, Saltjöbaden, Sweden, 1984

Committee on Recommendations for U.S. Army Basic Scientific Research, National Research Council, 1984–87

Program Advisory Committee, Division of Advanced Scientific Computing, National Science Foundation, 1985–87

Army Basic Research Steering Committee, National Research Council, 1987–88

Science Year Advisory Board, World Book, Inc., 1988–93

Chair, Centers Subcommittee, Program Advisory Committee, Division of Advanced Scientific Computing, National Science Foundation, 1986

Chair, Joint Advisory Committees for Advanced Scientific Computing and Networking and Communications Research and Infrastructure, National Science Foundation, 1987

Consultant, The Graduate School, University of Utah, Salt Lake City, Utah, 1987

Visiting Research Scientist, Dolphus E. Milligan Science Research Institute, Atlanta University Center, Atlanta, Georgia, 1987

Visiting Research Scientist, Centro Brasileiro de Pesquisas Fisicas, Rio de Janeiro, Brazil, 1988, 1991, and 1992

External Advisory Committee, Center for Research in Parallel Computation, jointly shared NSF Science and Technology Center among Rice University, California Institute of Technology, and Argonne and Los Alamo National Laboratories with Rice as the lead institution, 1989–95

Organizer and Co-Chairman, Workshop on Quantum Monte Carlo for Atoms, Molecules, and Selected Condensed Matter Systems', Centre Europeen de Calcul Atomique et Moleculaire, Universite Paris-Sud, Orsay, 1989 and 1990

Board of Directors, Chabot Observatory and Science Center, Oakland, California, 1989–95; 1997–2002

Blue Ribbon Panel on High Performance Computing, National Science Foundation, 1993

Organizer and Co-chairman, Workshop on Quantum Simulation for Atoms, Molecules and Solids', Centre Europeen de Calcul Atomique et Moleculaire, Universite Paris-Sud, Orsay, 1991, and 1992
Consultant, Educational Testing Service, 1991
Advisor, Science Programs, Upward Bound, University of California, Berkeley, 1991 to present
Consultant, Teltech, Inc., Minneapolis, Minnesota, 1991–2000
Organizing Committee, Conference on Current Trends in Computational Chemistry, Jackson State University, Jackson, Mississippi, 1991 to present
Federal Networking Council Advisory Committee, 1991–95
AAAS *Science Linkages in the Community*, National Council Co-Chair, 1993–97
National Research Council Committee on High Performance Computing and Communications, 1994–95
National Research Council Committee on Mathematical Challenges from Theoretical/Computational Chemistry, 1994–95
National Research Council Army Research Laboratory Technical Assessment Board, 1996–99
Co-Chairman, Workshop on Contemporary Problems in Mathematical Physics, Conotonou, Benin, 1999
Department of Energy Advisory Committee on Advanced Scientific Computing, 2000–04
National Research Council Board on Chemical Sciences and Technology, 2003–06

Editorial Boards:

The Journal of Physical Chemistry, 1979–81
Computer Physics Communications, 1981–86
International Journal of Quantum Chemistry, 1979–87
Journal of Computational Chemistry, 1979–87
Journal of Chemical Physics, 2006 to present

Professional Associations:

- American Chemical Society
 - Division of Physical Chemistry, Chairman, 1979; Chairman-Elect, 1978; Vice-Chairman, 1977
 - Division of Computers in Chemistry, Treasurer (founding), 1974–77
 - Wisconsin Section, Secretary-Treasurer, 1967–68
- American Physical Society
 - Division of Chemical Physics, Chairman, 1986–87; Vice-Chairman, 1985–86
- National Organization for the Professional Advancement of Black Chemists and Chemical Engineers, Executive Board, 1984–87
- American Association for the Advancement of Science Committee on Nominations, 1988–91; Chair, 1991
 - Board of Directors, 1993–97, Compensation Committee 1994–97; Executive Committee, 1995–97
 - Council Delegate from Section on Chemistry, 2005–2007
- Sigma Xi
 - Lectureships Committee, 1993–2002; Chair, 1998–2002
 - Board of Directors, 1998–99
 - Committee on Development, 1999–2006
 - University of California at Berkeley Chapter, Vice-President, 1998–2000; President, 2000–01
- Gordon Research Conferences
 - Council, 1997–2000
 - Selection and Scheduling Committee, 2000–06
 - Blue Ribbon Panel on Diversity, Chair, 2006 to present
 - Board of Trustees, 2006–11