

**Curriculum Vita of R. Stephen Berry****Address:**

Department of Chemistry  
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**Birth Date and Place:**

Denver, Colorado April 9, 1931

**Marital Status:**

Married (Carla) 3 children

**Academic History:**

1952	A. B.	Harvard
1954	A. M.	Harvard
1956	Ph.D.	Harvard
1956–1957	Instructor	Harvard
1957–1960	Instructor	University of Michigan
1960–1964	Assistant Professor	Yale
1964–1967	Associate Professor	The University of Chicago
1967–present	Professor	Dept of Chemistry and the James Franck Institute, The University of Chicago
1975–present	Professor	Committee on Public Policy Studies, The University of Chicago
1989–2001	James Franck Distinguished Service Professor	The University of Chicago
2001–present	James Franck Distinguished Service Professor, Emeritus	The University of Chicago

**Areas of Research:**

Atomic and molecular clusters, multidimensional potentials and protein dynamics; atomic and molecular collision processes; photoionization; molecular structure, spectra and dynamics; thermodynamics; analysis of allocation of natural resources.

**Scientific Honors and Awards:**

1948	Westinghouse Science Talent Search Finalist
1956	Sigma Xi
1962–1966	Alfred P. Sloan Fellow
1967	Guest Professor: University of Copenhagen
1967	Phillips Lecturer: Haverford College
1967	Lecturer: Winter School in Theoretical Chemistry; Spdtind, Norway; also in 1971, 1974, 1983, 1987, and 1989
1968	Arthur D. Little Professor: MIT
1968	Lecturer: International School of Physics “Enrico Fermi”; Varenna, Italy
1971	Seydel-Woolley Lecturer: Georgia Institute of Technology
1971–1973	Guggenheim Fellow
1976–1978	Sigma Xi National Lecturer
1979	Snider Lecturer: University of Toronto
1979	Guest Professor: University of Copenhagen
1979–1980	Professeur Associé: Université de Paris-Sud
1980	Hinshelwood Lecturer: Oxford University
1982	Walter Kaskan Memorial Lecturer: SUNY, Binghamton, New York
1982, 1987, 1991	Lecturer: Jerusalem Symposium on Quantum Chemistry and Biochemistry, Jerusalem
1982	Plenary Lecturer: 13th International Congress on Quantum Chemistry, Uppsala
1983–1988	MacArthur Prize Fellow
1984	Fellow: Japan Society for the Promotion of Science
1985	Invited Lecturer: Niels Bohr Centennial Symposium, Copenhagen
1986–1987	Newton-Abraham Professor: Oxford University
1987–1990	Vice President, American Academy of Arts and Sciences and Chairman of Midwest Council
1988	Lecturer: International School of Physics “Enrico Fermi”; Varenna, Italy
1989	Löwdin Lecturer: Uppsala University
1989	Derieux Lecturer: North Carolina State University
1989–1990	Phi Beta Kappa Lecturer
1990	Phillips Lecturer, Haverford College
1993	Alexander von Humboldt-Stiftung Senior Scientist Award
1993	Noyes Lecturer, University of Texas, Austin
1995	Lecturer, Welch Foundation, Houston, Texas
1996	Frederick Kaufman Lecturer, University of Pittsburgh
1997	J Heyrovsky Honorary Medal for Merit in the Chemical Sciences, Academy of Sciences of the Czech Republic
1998	Sackler Lecturer, Tel Aviv University
1999	American Physical Society Centennial Speaker
1999	Chancellor’s Distinguished Lecturer, Louisiana State University

**Elected Societies:**

1978 Fellow, American Academy of Arts and Sciences  
 1980 Foreign member, Royal Danish Academy of Sciences  
 1980 Member, National Academy of Sciences

**Professional Societies:**

American Physical Society (fellow)  
 American Chemical Society  
 American Association for the Advancement of Science (fellow)

**Scientific Committees/Boards:**

1962 Participant, Summer Study Group, Institute for Defense Analyses  
 1967–1969 Member, International General Committee for the Conference on the Physics of Electronic and Atomic Collisions  
 1970–1973 Chairman, Subpanel on Physics in Chemistry, Physics Survey Committee (Bromley Committee); National Academy of Sciences  
 1970–1976 Member, Review Committee for Radiological and Environmental Research Division, Argonne National Laboratory  
 1972–1973 Advisory Panel for Chemistry, National Science Foundation  
 1972–1974 Associate Editor, *Journal of Chemical Physics*  
 1971–1973, Member, Committee on Atomic and Molecular Physics, National Academy of Sciences—  
 1978–1982, National Research Council  
 1983–1987 Consultant, Los Alamos French Pugwash Symposium on Energy  
 1976 Numerical Data Advisory Board, National Research Council; Chairman, 1981–1988  
 1976–1988 Panel on Health of the Science and Technology Enterprise, Office of Technology Assessment, U. S. Congress  
 1976–1979 Visiting Committee, Health and Safety Division, Oak Ridge National Laboratory  
 1976–1982 Board of Directors, Bulletin of the Atomic Scientists; Science and Public Affairs  
 1977– Consultant and Member, Theory Advisory Committee, Los Alamos Laboratory  
 1977– Consultant, Argonne National Laboratory  
 1977–1989 Editorial Board, *Accounts of Chemical Research*  
 1978–1984 Trustee, Aspen Center for Physics  
 1979–1982 Advisory Council, Chemistry Department, Princeton University  
 1979–1983 Visiting Committee, Division of Applied Physics, Harvard University  
 1980–1981 Vice-Chairman, Division of Chemical Physics, American Physical Society; Chairman, 1981  
 1981–1992 Editorial Board, *Physical Review A*  
 1981–1983 Member, National Research Council Committee on Chemical Sciences  
 1982–1986 Review Panel, Chemistry Division, Brookhaven National Laboratory  
 1983–1995 Associate Editor, *Reviews of Modern Physics*  
 1983–1986 Chairman, NRC Evaluation Panel for NBS Center for Basic Standards  
 1983–1988 Chairman, NRC Evaluation Panel for NBS Joint Institute for Laboratory Astrophysics  
 1985 Visiting Committee, Chemistry Department, New York University  
 1985–1995 Senior advisor and consultant, Defense Science Study Group, Institute for Defense Analyses  
 1987–1996 Member, Commission C2 on Symbols, Units, Nomenclature, Atomic Masses and Fundamental Constants of the International Union of Pure and Applied Physics (IUPAP)  
 1987–1990 Chairman of the Midwest Center and Vice-President, American Academy of Arts and Sciences  
 1988–1990 Member, Panel on High School Biology, National Research Council [report: *Fulfilling the Promise*]  
 1988–1990 Member, Panel on Competitiveness of the U. S. Minerals and Metals Industries, National Research Council  
 1988–1990 Member, Board on Physics and Astronomy, National Research Council  
 1989–1992 Member, Advisory Editorial Board, *Chemical Physics Letters*  
 1989–1990 Council Delegate for Chemistry Section, American Association for the Advancement of Science  
 1989–1991 Member, Advisory Board, Institute for Theoretical Physics, Santa Barbara, California  
 1989–1993 President, Telluride Summer Research Center, Telluride, Colorado  
 1990–1994 Member, National Research Council Committee on International Organizations and Programs  
 1991– Member, National Council of Lawyers and Scientists, American Association for the Advancement of Science  
 1992–1994 Editorial Board, *Physical Review E*  
 1993–1994 Chair-Elect, Section C (Chemistry), American Association for the Advancement of Science; Chair, 1994  
 1993–1996 Member, Council of the American Physical Society  
 1994–1997 Chair, Committee on Issues in the Transborder Flow of Scientific Data, report “Bits of Power: Issues in Global Access to Scientific Data”, National Research Council, Washington, D. C.  
 1994–1997 Member, Review Committee, *Physical Review A*  
 1995–1996 Member, Review Committee, Department of Chemistry, University of California, Santa Cruz  
 1996– Member, Publications Oversight Committee, American Physical Society  
 1996– Chair, working group “The Transition from Paper” sponsored by the American Academy of Arts and Sciences  
 1997– Chair, Review Committee, *Physical Review E*  
 1998– Member, Editorial Advisory Board, *Journal of Non-Equilibrium Thermodynamics*  
 1999– Home Secretary, National Academy of Sciences  
 2001–2003 Member, Panel on Public Affairs, American Physical Society