

**Biographical Notes of Harold Johnston<sup>†</sup>**

Professor Emeritus of Chemistry University of California Berkeley, CA 94720 Phone: (510) 642-3674	Home: 132 Highland Blvd. Kensington, CA 94708-1023 Phone: (510) 525-6810 Fax: (510) 528-6019
Born	Woodstock, GA, October 11, 1920
Education	Emory University, Atlanta, GA, 1937–1941, A.B. degree in Chemistry and English Literature California Institute of Technology, 1941–42 and 1945–47, Ph.D. degree in Chemistry and Physics
Employment	Civilian employee of National Defense Research Council at Caltech, 1942–43 Head of Meteorology Department, supporting field work with Chemical Warfare Service, Bushnell, FL, 1944–45 Instructor to Associate Professor of Chemistry, Stanford University (1947–56) Associate Professor, California Institute of Technology (1956–57) Professor of Chemistry at the University of California, Berkeley (1957–1991), Dean of the College Chemistry (1966–1970) Professor Emeritus of Chemistry since 1991
	Experimental research interests have been in the field of gas-phase chemical kinetics and photochemistry, involving oxides of nitrogen, ozone, fluorine, chlorine oxides, HO and HOO free radicals, etc., and in the fields of urban air pollution (1950–70) and stratospheric ozone (1971–). Theoretical research interests are in unimolecular reactions, transition state theory of bimolecular reactions, and kinetic isotope effects.
Memberships	National Academy of Sciences American Academy of Arts and Sciences American Chemical Society American Physical Society American Geophysical Union American Association for the Advancement of Science
Awards	1993 National Academy of Science Award for Chemistry in Service to Society 1985 American Chemical Society Award in the Chemistry of Contemporary Technological Problems 1983 Tyler Prize for Environmental Achievement 1974 Pollution Control Award of the American Chemical Society 1961 Guggenheim Fellowship; Brussels, Belgium
Honors	1956 Gold Medal Award of the California Section of the American Chemical Society 1998 Honorary D.Sc., Northwestern University, Evanston, Illinois 1998 Roger Revelle Medal of the American Geophysical Union 1997 National Medal of Science 1991 Berkeley Citation, University of California 1985 Distinguished Alumni Award, California Institute of Technology 1982 Certificate of Commendation, Federal Aviation Administration 1965 Honorary D.Sc., Emory University, Atlanta, GA
Lectureships	1990 Robert A. Welch Foundation Lectureship 1989 U. C. Berkeley Academic Senate Faculty Research Lecturer 1975 G. N. Lewis Lecture, University of California, Berkeley 1974 Sigma Xi National Lecturer 1973 George B. Kistiakowsky Lecture, Harvard 1961 Bourke Lecturer of the Faraday Society
Scientific Advisory Committees	1995–97 NAS Panel on Atmospheric Effects of Aviation 1988–94 NASA, Science Advisor to High-Speed Civil Transport Studies 1989–92 NAS Committee on Atmospheric Chemistry 1978–82 Federal Aviation Administration's High Altitude Pollution Program 1972–75 NAS, Committee on Ozone and Stratospheric Aviation 1971–75 NAS Committee on Motor Vehicle Emissions 1969–73 California Statewide Air Pollution Research Center 1965–67 NAS Panel to National Bureau of Standards 1963–67 Panel Member of President's Science Advisory Board on Atmospheric Sciences
Consulting	SRI, 1951; M. W. Kellogg company, 1952–53 National Bureau of Standards, summers of 1968 and 1969 Free consulting to small California businesses 1950 to 1996

<sup>†</sup> Part of the special issue "Harold Johnston Festschrift".