

Peter J. Wyllie

CURRICULUM VITAE

- Born** February 8, 1930. London, England. U.S. Citizen, 1995
- Education**
1952 Hampton Grammar School, England; University of St. Andrews, Scotland
1952 B.Sc. Physics and Geology (Miller Prize). 1955; First Class Honors Geology
1958 Ph.D. Geology.
- Employment**
1949-1949 Royal Air Force, Aircraftsman First Class (Radiotelephony Operator)
1950 - summer Glaciologist with British West Greenland Expedition
1952-1954 Geologist with British North Greenland Expedition
1955-1956 Assistant Lecturer in Geology, University of St. Andrews, Scotland
1956-1958 Research Assistant to O. F. Tuttle, The Pennsylvania State University
1958-1959 Assistant Professor of Geochemistry, The Pennsylvania State University
1959-1960 Research Fellow in Chemistry, Leeds University, England
1960-1961 Lecturer in Experimental Petrology, Leeds University, England
1961-1965 Associate Professor of Petrology, The Pennsylvania State University
1962-1963 Acting Head, Department of Geochemistry and Mineralogy, The Pennsylvania State University
1965-1978 Professor of Petrology and Geochemistry, The University of Chicago
1972-1973 Master of Physical Sciences, Collegiate Division; Associate Dean of College;
Associate Dean of Physical Sciences Division
1978-1983 Homer J. Livingston Professor, The University of Chicago
1979-1982 Chairman, Dept. of Geophysical Sciences, The University of Chicago
1983-1987 Chairman, Professor of Geology, Division of Geological and Planetary Sciences, The California Institute of Technology
1987-1999 Professor of Geology, The California Institute of Technology.
1994-1999 Academic Officer (Division of Geological and Planetary Sciences).
1999-present Professor Emeritus, The California Institute of Technology.
- Publications: Scientific Journals and Books**
1951-2011. 324 research-related publications (journal & book chapters, no abstracts).
1967. Wyllie, P.J. (Editor). Ultramafic and Related Rocks John Wiley & Sons, Inc., 464 pp.
1971. Wyllie, P.J. The Dynamic Earth: a Textbook in Geosciences. John Wiley & Sons, N.Y., 416 pp.
1976. Wyllie, P. J. The Way the Earth Works: an Introduction to the New Global Geology and Its Revolutionary Development. John Wiley & Sons, N.Y., 296 pp.
1993. Solid-Earth Sciences and Society. National Academy Press, Washington, D.C., 346 pp. (Chairman of NRC/NAS Committee responsible for preparation of the volume).
1967-99. Editor-in-Chief, Springer-Verlag monograph series "Minerals and Rocks", 22 vols.
- International Science Academies (Foreign Fellow or Member)**
1984 Fellow of The Royal Society (London).
1981 National Academy of Sciences (USA).
1988 Russian Academy of Sciences.
1991 Indian National Science Academy.
1992 National Academy of Sciences, India.

1996 Chinese Academy of Sciences.

1996 Academia Europaea.

Honorary Member or Corresponding Fellow of:

1985 Edinburgh Geological Society;

1986 Mineralogical Society of Great Britain and Ireland;

1987 Indian Geophysical Union;

1987 Mineralogical Society of Russia

2001 German Geological Society.

Fellow of: American Geophysical Union; Geological Society of America; Mineralogical Society of America; American Academy of Arts and Science.

Medals and Awards

1965 Mineralogical Society of America Award (research before age 35).

1979 Quantrell Award (for excellence in undergraduate teaching, University of Chicago).

1982 Wollaston Medal, Geological Society of London.

1987 Abraham-Gottlob-Werner Medaille, German Mineralogical Society.

2001 Leopold von Buch Medal, Deutschen Geologischen Gesellschaft.

2001 Roebling Medal, Mineralogical Society of America.

Other Awards and Honors

1948 Best Recruit Award, Basic Training, Royal Air Force, Padgate.

1949 Heavyweight Boxing Champion, Royal Air Force, Scotland.

1952 Miller Prize (most distinguished graduate). University of St. Andrews.

1954 Polar Medal, from H. M. Queen Elizabeth.

1974 Honorary D.Sc., University of St. Andrews.

1996-present Honorary Professor, China University of Geosciences, Beijing.

Minerals named: Wyllyeite, and Ferrowyllyeite.

Offices in National and International Societies

Chairman, Commission on Experimental Petrology (International Union of Geological Sciences),
1976-80 (Member, 1970-92).

President, Mineralogical Society of America, 1977-78 (Vice-President; 1976-77).

President, International Mineralogical Association, 1986-90 (Vice-President, 1978-86;
Past-President, 1990-1994).

President, Internat. Union of Geodesy and Geophysics, 1995-99 (Vice President, 1991-95;
Past-President, 1999-2003).

National: Professional Societies and Committees (selected)

1970-1972 Councillor, Mineralogical Society of America.

1970-1971 Mineralogical Society of America Award Committee, Chairman.

1971-1973 Subcommittee on Penrose Medal Award, Geological Society of America.

1972-1974 Goldschmidt Medal Committee, Geochemical Society.

1973-1976 Councillor, Geochemical Society

1977-1978 President; Mineralogical Society of America (Vice-President; 1976-1977).

1978-1980 Macelwane Award Committee, American Geophysical Union.

1980-1982 Bucher Medal Subcommittee, American Geophysical Union.

1980-1982 Subcommittee on National Medal of Science, Geological Society of America.

1982-1985 Councillor, Geological Society of America.

1983 Chairman, Subcommittee on Day Medal, Geological Society of America.

1983 Arthur Holmes Medal Committee, European Geophysical Union.

1990-1992 Waldo Smith Medal Committee, American Geophysical Union.

1993-1995 Mineralogical Society America Public Service Committee

National: Professional Service (selected)

- 1975-1978 Advisory Panel for Earth Sciences, National Science Foundation.
1976-1979 Basaltic Volcanism Study Project, Team Leader, Lunar and Planetary Institute.
1978-1982 United States National Committee on Geology.
1979-1982 Chairman, Earth Science Division Advisory Committee, National Science Foundation.
1980-1984 U.S. National Committee for International Union of Geodesy and Geophysics.
1981-1984 U.S. National Committee for Geochemistry.
1981-1982 N.A.S. Committee on Ocean Drilling.
1982 Earth Sciences Panel for NSF Graduate Fellowships.
1983 Research Briefing Panel on the Solid Earth Sciences (OSTP, NRC, NSF).
1983 Workshop on the International Geosphere-Biosphere Program.
1983-1988 Advisory Board, School of Earth Sciences, Stanford University.
1984 Chairman, NSF Ad Hoc Advisory Group on Continental Drilling.
1988-1993 Chairman, Committee on Status and Research Objectives in the Solid-Earth-Sciences, National Academy of Sciences/National Research Council.
1991-1999 U.S. National Committee for International Union of Geological Sciences
1999-2000 U.S. National Committee for Geology

International: Professional Service (selected)

- 1970-1992 Commission on Experimental Petrology at High Pressures and Temperatures (IUGS); Chairman (1976-1980)
1979-1980 Joint International Union of Geodesy and Geophysics/International Union of Geological Sciences, Steering Committee.
1981-1984 Inter-Union Commission on the Lithosphere; Working Group 8, Subduction, Collision and Accretion; Vice-Chairman, Coordinating Committee #4 on Evolution of Magmatic and Metamorphic Processes (CC-4).
1995-1999 General Committee Member, International Council of Scientific Unions.

Editorial Service (selected)

- 1965-1967 Managing Editor, Journal of Petrology.
1967-1983 Editor, Journal of Geology.
1967-1996 Editor-in-Chief, Springer-Verlag monograph series "Minerals and Rocks"
1973-1982 Editorial Board, Geology.
1978-1982 Editorial Board, Tectonophysics.
1983-1999 Editorial Board, TMPM, now "Mineralogy and Petrology".
1983-1992 Editorial Board, Journal of Geodynamics.
1985-1990 Editorial Board, Geological Magazine.
1992-2005 Editorial Board, Proceedings Indian Academy of Sciences.
1970s Member of consulting committee during Encyclopædia Britannica's planning for the revolutionary 15th edition (1974). Author of introductory chapter *The Great Globe Itself* for the section on Earth Sciences in the Propædia Volume.