

Born: Madison, Wisconsin, USA, 20 September 1945

Education: Cornell University A.B. Summa cum laude (Chemistry), 1967
Harvard University Ph.D. (Physical Chemistry), 1973

Ph.D. Thesis: *The Crystal Structure of Aspartate Transcarbamylase*

Employment:

1994-present Professor of Atmospheric Sciences and Earth & Space Sciences, University of Washington
(Assistant Professor 1982-1987; Associate Professor 1987-1994)
2001-present Faculty, Astrobiology Program, University of Washington
1983-present Adjunct Faculty Member, Quaternary Research Center, University of Washington
1997-1998, 2004 Visiting Scientist, Antarctic Cooperative Research Centre, University of Tasmania (sabbatical)
1988-1989 Visiting Scientist, Australian Antarctic Division, Melbourne, Australia (sabbatical leave)
1980-1981 Research Fellow, CIRES, University of Colorado, Boulder, Colorado
1978-1979 Visiting Scientist, National Center for Atmospheric Research, Boulder, Colorado
1975-1977 Postdoctoral Fellow, Brandeis University, Biophysics Department
1974-1975 Postdoctoral Fellow, Biophysics Department, Max-Planck-Institute, Heidelberg, Germany

Professional Offices:

2003-2006 Council Member, International Glaciological Society
2002-2006 Southern Ocean Working Group of CLIVAR
2001 Review Panel, NSF Polar Glaciology
1998-2001 Committee on Atmospheric Radiation, American Meteorological Society
1997-2005 International Commission on Polar Meteorology of IUGG
1997 Co-editor, International Glaciological Soc. Symposium on Antarctica and Global Change
1996 Convenor, International Radiation Symposium
1996-2000 Consultant, U.S.-Russian Working Group on Arctic Climate
1995-1996 Chair, Advisory Panel, Alaska Field Site of Atmospheric Radiation Measurement (ARM) Program
1993-1996 International Climatic Commission of IUGG
1992 Station Science Leader, South Pole Station
1989-1992, 2005-8 Nominating committee, Atmospheric and Hydrospheric Branch of AAAS
1989 Co-editor, International Glaciological Society Symposium on Ice and Climate
1988-1992 Nominating committee, International Glaciological Society
1985-1988 Committee on Polar Meteorology and Oceanography, American Meteorological Society

Awards:

2005 Fellow, American Meteorological Society
2003 Highly Cited Author, Institute for Scientific Information (Science Citation Index)
2002 Special Creativity Award, National Science Foundation
2001 Namesake: Warren Ridge, Antarctica (U.S. Board on Geographic Names)
1998 Fellow, American Association for the Advancement of Science
1990 Dean's award for exceptional teaching, College of Arts and Sciences, Univ. Washington
1989 First departmental teaching award, Dept. of Atmospheric Sciences, Univ. Washington
1988 First Gerbier-Mumm award for interdisciplinary research, WMO (with Charlson, Lovelock, Andreae)

Field research: Research on snow and clouds with U.S. Antarctic Program at South Pole Station, summers 1985-6, 1990-1, 1999-2000, 2000-1, winter 1992, spring 2009; with Soviet Antarctic Expedition at Vostok Station, summer 1990-1; with French Polar Institute at Dome C, summer 2003-4. Sea-ice research with Australian Antarctic Expedition, springs 1998, 1996. Northeast Greenland with Danish Polar Center, 2006. Svalbard with Norwegian Polar Institute, 2007. West Greenland, 2007, 2008. Northeast Siberia 2008. Arctic Canada 2009.

Foreign Languages: German (good reading and speaking ability),

French (reading knowledge, some speaking ability), Russian (some reading and speaking ability)

Courses Taught at the University of Washington: Climate and Climate Change 211, Earth's Climate System 220, Physical Climatology 321, Atmospheric Geophysics 506, Atmospheric Radiation (Shortwave) 532, Atmospheric Radiation (Longwave) 533, Atmospheric Remote Sensing 534, Introduction to Glaciology 415, Physics of Ice 510, Formation of Snow and Ice Masses 511, Ice and Climate Modeling 514, Science Writing 595

Research Interest: Climatic role of snow and clouds, cryosphere-atmosphere interaction.

Publications: 110 cited publications, with 8000 citations, as of August 2010. *h-index* = 37.