2015-11-18

CURRICULUM VITAE

Name:	Knut Henning Rodhe
Sex:	Male
Nationality:	Swedish
Born:	February 15, 1941, Uppsala, Sweden
Marital status:	Married to Karin Rodhe; four children born 1966, 1968, 1972 and 1976.
Education:	Fil kand (= BSc) 1964 (Mathematics, Physics, Meteorology), University of Lund, Sweden
	Fil Dr and Docent (PhD) 1972 (Meteorology), Stockholm University, Sweden

Professional experience

1964-1965	Assistant Lecturer in mathematics, University of Lund, Sweden
1965-1969	Research Assistant, Department of Meteorology, Stockholm University, Sweden
1969-1972	Half-time Senior Lecturer, Department of Meteorology, Stockholm University, Sweden Half-time Research Scientist, Department of Meteorology, Stockholm University, Sweden
1972-1975	Senior Lecturer, Department of Meteorology, University of Nairobi, Kenya
1975-1979	Associate Professor of Meteorology, Stockholm University, Sweden
Aug-Dec 1978	Guest Scientist, National Center for Atmospheric Research (NCAR), Boulder, CO, USA
Aug-Dec 1984	Visiting Professor, Institute of Environmental Studies and Department of Atmospheric Sciences, University of Washington, Seattle, USA
Aug 1990-Jan 1991	Guest Scientist, CSIRO, Division of Atmospheric Research, Mordialloc, Vic., Australia
1980 - 2008	Professor of Chemical Meteorology, Stockholm University, Sweden
October 1997	Visiting Professor, Department of Meteorology Florida State University, Tallahassee, USA
December 1997	Visiting Professor, Department of Oceanography University of Hawaii, Honolulu, USA
March 2008 -	2013 Senior Professor, Department of Meteorology, Stockholm University

Supervised 20 PhD students and a number of MSc students

Miscellaneous

- Editor of Tellus B, 1982 - 2013
- Consultant to Ambio, 1979-1986
- Secretary of IAMAP's Commission on Atmospheric Chemistry and Global Pollution (CACGP), 1983-1990
- Member of the Environmental Committee of the Royal Swedish Academy of Sciences, 1975 - 1993
- Head, Department of Meteorology, Stockholm University 1979-1981, 1988-1990 and 1999
- Coordinator of the EUROTRAC subproject Global Modelling of Atmospheric Chemistry (GLOMAC), 1987- 1995
- Member of the Editorial Board of J. of Atmospheric Chemistry, 1986-2009
- Member of the Geosciences Committee of the Swedish Natural Science Research Council 1987 - 1989
- Member of the Royal Swedish Academy of Sciences, 1989 -
- President of IAMAP's Commission on Atmospheric Chemistry and Global Pollution (CACGP), 1990 - 1998
- Director of the International Meteorological Institute (IMI) in Stockholm, 1991-2009
- Vice Dean of the Faculty of Sciences, Stockholm University, 1991 - 1996
- Member of the Environmental Advisory Council of the Swedish Government, 1991 - 1994
- Invited to give the 1993 Harold Schiff lecture on Atmospheric Chemistry at York University, Toronto, Canada
- Member of Human Rights Committee of the Royal Swedish Academy of Sciences 1995 - 2004
- 1996 ”Aerologist” award from the Nordic Society for Aerosol Research (NOSA)
- Member of the Steering Committee of the International Geosphere - Biosphere Programme 1997 - 1999
- Chairman, Environment Committee of the Royal Swedish Academy of Sciences 1997 - 2005
- Lead Author of one chapter each in four reports of the Intergovernmental Panel on Climate Change (IPCC; 1990, 1992, 1994 and 1995)
- Member of Academia Europaea 1998 -
- Dean, Faculty of Sciences, Stockholm University 2000 - 2005
- Member of the Board of Stockholm University 2000 - 2005
- Chairman, Scientific Advisory Committee (Fachbeirat), Max-Planck-Institute for Biogeochemistry, Jena, Germany, 2001 - 2005
- Vice President of Stockholm University 2003 - 2004
- Received the Björkén prize (2004) from Uppsala University for research on atmospheric chemistry and climate
- Vice Chair of the International Atmospheric Brown Cloud Project 2005 - 2009
- Member of the International Committee of the Royal Swedish Academy of Sciences 2005 - 2009
- Received the Environmental Protection Medal (in gold) of the Royal Swedish Academy of Sciences 2008
- Received the Rossby prize from the Swedish Geophysical Society 2010
- Member of the Scientific Advisory Council of Stockholm Environment Institute

2013-
- Received Volvo Environment Prize 2015

PhD theses supervised or co-supervised

Rolf Söderlund, Ammonia compounds in the atmosphere, 1982
Mats Hamrud, Statistical properties of the atmosphere influencing long-range transport of air pollutants, 1985
Howard Ross, Trace metals in the atmosphere, 1986
Kim Holmén, On the use of chemical tracer data for oceanic biogeochemical models, with special regard to carbon transfers, 1987
Christer Johansson, Exchange of nitrogen oxides between the atmosphere and terrestrial surfaces, 1988
Caroline Leck, Do marine phytoplankton contribute to the atmospheric sulfur balance of Northern Europe, 1989
Joakim Langner, Sulfur in the troposphere: A global three-dimensional model study, 1991
Robert Janson, Monoterpenes from the boreal coniferous forest and their role in atmospheric chemistry, 1992
Margareta Hansson, Detecting changes in climate and atmospheric composition with tracers in Arctic ice caps, 1993
Alberto Rondon, Atmospheric-surface exchange of nitrogen oxides and ozone, 1993
Anneli Hallberg, Aerosol particle properties influencing cloud droplet nucleation,1994
Claes de Serves, Peroxides, formaldehyde, and related species in the Arctic and tropical boundary layers, 1995
Laura Gallardo, Oxidized nitrogen in the troposphere: The role of lightning, 1996
Magnuz Engardt, Climate change and carbon dioxide fluxes in the high latitude Northern Hemisphere, 1997
Douglas Nilsson, The Arctic Sulfur Aerosol - Influences of Transport and Boundary Layer Processes, 1997
Erik Kjellström, Modelling studies of atmospheric sulfur with a general circulation model, 1998
Annica Ekman, The atmospheric sulfur cycle and its impact on the European climate, 2001
Michael Norman, Chemical characteristics of atmospheric aerosols: the influence of natural and man-made sources and sinks, 2003
Kristina Eneroth, Atmospheric transport of carbon dioxide and other trace species in high northern latitudes, 2003
Frida Bender, Earth's albedo in a changing climate, 2009
Johannes Karlsson, The influence of clouds on Earth's radiation budget in global climate models, 2009
Erik Engström, Characterization of soot in air and rain over southern Asia, 2009

plus a number of Licentiate (MSc) theses and exam papers.

Publications

~ 130 publications in refereed journals
Editor and author of 5 books