

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