

Curriculum Vitae

RICHARD C. J. SOMERVILLE

Distinguished Professor Emeritus and Research Professor
Scripps Institution of Oceanography
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BIRTH: 30 May 1941, Washington, D.C.

EDUCATION:

B.S. 1961	Pennsylvania State University (Meteorology)
Ph.D. 1966	New York University (Meteorology)

POSITIONS:

2007-present	Distinguished Professor Emeritus and Research Professor Scripps Institution of Oceanography, UCSD, La Jolla, CA
2004-2007	Distinguished Professor Scripps Institution of Oceanography, UCSD, La Jolla, CA
1979-2007	Professor of Meteorology Scripps Institution of Oceanography, UCSD, La Jolla, CA
1974-1979	Head, Numerical Weather Prediction Section National Center for Atmospheric Research, Boulder, CO
1971-1974	Meteorologist & Adjunct Professor Goddard Institute for Space Studies, NASA, New York, NY Columbia University and New York University, New York, NY
1969-1971	Research Scientist Courant Institute of Mathematical Sciences, New York, NY
1967-1969	Research Associate

Geophysical Fluid Dynamics Laboratory, NOAA, Princeton, NJ

1966-1967

Postdoctoral Fellow
National Center for Atmospheric Research, Boulder, CO

EXPERTISE:

Richard Somerville is a theoretical meteorologist whose research interests include geophysical fluid dynamics, thermal convection, computational methods, predictability, atmospheric modeling, numerical weather prediction, radiative transfer, cloud physics, and climate.

HONORS:

American Association for the Advancement of Science, Fellow (Elected 1993)

American Meteorological Society, Fellow (Elected 1987)

Award for Outstanding Contributions to Science Education - University Level, from the San Diego Science Educator's Association (1991)

Awarded the Walter Orr Roberts Lectureship in Interdisciplinary Sciences for 1999 by the American Meteorological Society, "for significant contributions to the understanding and discussion of global environmental change derived from multidisciplinary research activities."

Awarded the Louis J. Battan Author's Award for 2000 by the American Meteorological Society, "for *The Forgiving Air*, an engaging and readable book filled with scientific insight and historical perspective about some of the most complex environmental problems we face today."

Appointed Distinguished Lecturer, Sigma Xi, The Scientific Research Society (2002-2003)

Listed in *Who's Who in America* in all recent editions

Appointed Distinguished Professor, University of California, San Diego (2004)

Coordinating Lead Author, Intergovernmental Panel on Climate Change, Fourth Assessment Report (2007)

Lee Kuan Yew Distinguished Visitor, Singapore (2007)

AUTHOR:

More than 150 research papers.

A book on global change: *The Forgiving Air: Understanding Environmental Change* (1996, 2008).

ADMINISTRATIVE SERVICE AT UCSD - SCRIPPS INSTITUTION OF OCEANOGRAPHY:

Head, Climate Research Group, 1979 - 1989

Director, Climate Research Division, 1989 - 1996

Coordinator, Climate Sciences Curricular Group, 1995 – 1999

PUBLIC SERVICE (Selected positions since 1990):

American Association for the Advancement of Science

Member, Steering Group, Section on Atmospheric and Hydrospheric Sciences

American Meteorological Society:

Councilor

Member, Fellows Committee

Member, Committee on Societal Impacts

Aspen Global Change Institute:

Member, Advisory Board

Chair, Board of Directors

Climate Dynamics:

Member, Editorial Board

The Sea - Ideas and Observations on Progress in the Study of the Seas:

Member, Editorial Board

Intergovernmental Panel on Climate Change

Coordinating Lead Author

National Aeronautics and Space Administration:

Member, Space Science and Applications Advisory Committee and Executive Committee

Member and former Chair, Earth System Science and Applications Advisory Committee

National Center for Atmospheric Research
Member, NCAR Advisory Council

National Oceanic and Atmospheric Administration:
Member, Panel on Climate and Global Change and Executive Committee of the Panel

National Research Council:
Member, Committee on Climate Data Records from Operational Satellites:
Development of a NOAA Satellite Data Utilization Plan.

National Science Foundation:
Member, Advisory Committee for Atmospheric Sciences
Member, Advisory Committee for Geosciences
Chair, Geoscience Education Working Group

U. S. Department of Energy:
Member, ARM Program Science Team Executive Committee

University Corporation for Atmospheric Research:
Chair, Board of Trustees
Chair, Executive Committee
Chair, Committee on Budget and Programs
Member's Representative, Scripps Institution of Oceanography, UCSD
