

Richard C. J. Somerville

Distinguished Professor Emeritus

Scripps Institution of Oceanography, University of California, San Diego

rsomerville@ucsd.edu

<http://richardsomerville.com>

<https://rsomerville.scrippsprofiles.ucsd.edu/>

Education:

New York University, Meteorology, Ph. D., 1966

Pennsylvania State University, Meteorology, B. S., 1961

Positions:

2007-present: Distinguished Professor Emeritus, Scripps Institution of Oceanography, UCSD

2007-2019: Research Professor, Scripps Institution of Oceanography, UCSD

2004-2007: Distinguished Professor, Scripps Institution of Oceanography, UCSD

1979-2007: Professor, Scripps Institution of Oceanography, University of California, San Diego

1974-1979: Scientist and Section Head, National Center for Atmospheric Research

1971-1974: Research Scientist, Goddard Institute for Space Studies, NASA

1971-1974: Adjunct Professor, Columbia University and New York University

1969-1971: Visiting Scientist, Courant Institute of Mathematical Sciences, NYU

1967-1969: Research Associate, Geophysical Fluid Dynamics Laboratory, NOAA

1966-1967: Fellow, Advanced Study Program, National Center for Atmospheric Research

Service:

Co-author, *Climate Mathematics: Theory and Applications*, Cambridge University Press, 2019.

Member, Science and Security Board, Bulletin of the Atomic Scientists, 2012 - 2019.

Science Advisor, Climate Communication. <http://climatecommunication.org>

Lecturer and popular author on climate change. <http://richardsomerville.com>

Member, Board of Directors, Climate Central, 2008 - 2011. <http://www.climatecentral.org>

Author, *The Forgiving Air: Understanding Environmental Change*, 2nd edition, 2008.

Coordinating Lead Author, Intergovernmental Panel on Climate Change, www.ipcc.ch, 2007.

Advisor and participant, Aspen Global Change Institute, 1989 - 2018. <https://www.agci.org/>

Coordinator, Climate Curricular Group, Scripps Institution of Oceanography, UCSD, 1995 – 1999.

Director, Climate Research Division, Scripps Institution of Oceanography, UCSD, 1989 – 1996.

Head, Climate Research Group, Scripps Institution of Oceanography, UCSD, 1979 – 1989.

Past member of the Council and of several committees, American Meteorological Society.

Trustee (1990 – 1995) and past board chairman, University Corporation for Atmospheric Research.

Past advisory committee member for these organizations: Department of Energy, National Aeronautics and Space Administration, National Atmospheric and Oceanographic Administration, National Center for Atmospheric Research, National Academy of Sciences, National Research Council, National Science Foundation, University Corporation for Atmospheric Research.

Honors:

Haagen-Smit Clean Air Award, 2020-2021, of the California Air Resources Board, for a “lifetime of important contributions and achievements” in the field of climate change science.

Spilhaus Ambassador Award Grant of the American Geophysical Union, 2018, supports work in societal impact, community service, scientific leadership, and promoting talent and the career pool.

Ambassador Award of the American Geophysical Union, 2017, given for outstanding contributions in areas including societal impact, community service, scientific leadership, and promoting talent.

Fellow, American Geophysical Union, 2017, an honor given “for exceptional contributions to Earth and space sciences.”

Climate Communication Prize of the American Geophysical Union, 2015, given to one scientist annually, with a cash grant, for excellence in the communication of climate science.

Edward A. Dickson Emeriti Professorship, University of California, San Diego, 2014, awarded to one outstanding UCSD emeritus professor each year, with a cash grant to support further work.

Distinguished Alumni Award, Pennsylvania State University, 2011, the highest honor given by the university, recognizing “personal lives, professional achievements, and community service.”

Charles L. Hosler Alumni Scholar Medal, Pennsylvania State University, 2009, for alumni “who have made outstanding contributions to the development of science.”

Lee Kuan Yew Distinguished Visitor, Singapore, 2007, “invites internationally eminent and outstanding academics and scholars to Singapore.”

Coordinating Lead Author, Intergovernmental Panel on Climate Change, 2007, the title of heads of chapter writing teams of an IPCC assessment report. The IPCC shared the 2007 Nobel Peace Prize.

Distinguished Professor, University of California, San Diego, 2004, the highest faculty rank, “for scholars of the highest distinction, whose work has been internationally recognized and acclaimed.”

Distinguished Lecturer, Sigma Xi, The Scientific Research Society, 2002-2003, signifies being chosen to give a series of lectures at several universities.

Louis J. Battan Author's Award, American Meteorological Society, 2000, for *The Forgiving Air: Understanding Environmental Science*, “an outstanding newly published book on science.”

Walter Orr Roberts Lectureship, American Meteorological Society, 1999, an award “presented for significant contributions to the understanding and discussion of global environmental change.”

Fellow, American Association for the Advancement of Science, 1993, “Fellows are recognized for meritorious efforts to advance science or its applications.”

Outstanding Contributions Award, San Diego Science Educator's Association, 1991, an award recognizing outstanding university science teachers.

Fellow, American Meteorological Society, 1987, an award for those who “have made outstanding contributions to the atmospheric or related oceanic or hydrologic sciences or their applications.”

Publications: <https://rsomerville.scrippsprofiles.ucsd.edu/publications/>