

**American Meteorological Society
2004 Award Winners, Fellows and Honorary Members**

Following is a listing of the 2004 AMS Award Winners, Fellows and Honorary Members. The awards will be presented at the AMS Annual Meeting in January 2004 in Seattle, Washington. For more details on previous award winners — <http://www.ametsoc.org/aboutams/awardrecipients.html> For information about the annual meeting click <http://www.ametsoc.org/meet/84annual/>.

FELLOWS

The honor of Fellow is given to an individual for recognition of outstanding contributions to the atmospheric or related oceanic or hydrologic sciences, or their applications, during a substantial period of years. Only two-tenths of one percent of membership are approved as Fellow each year. In addition, winners of the AMS prestigious Rossby, Charney, Suomi, Sverdrup, Stommel, Brooks, and Abbe Award are elected as Fellow.

Mr. Elliot Abrams
Accu-Weather

Dr. Robert F. Adler
NASA/Goddard Space Flight Center

Dr. Robert M. Atlas
NASA, Goddard Space Flight Center

Dr. Stanley G. Benjamin
NOAA/Forecast Systems Laboratory

Dr. Robert D. Bornstein
Dept. of Meteorology, San Jose State University

Dr. Christopher S. Bretherton
Dept. of Atmospheric Sciences, University of Washington

Mr. Stephen F. Corfidi
National Weather Service Storm Prediction Center

Ms. Nancy B. Cutler
Meteorological Service of Canada

Dr. Bruce A. Egan
Egan Environmental, Inc.

Prof. Michael H. Freilich
COAS, Oregon State University

Dr. Peter R. Gent
National Center for Atmospheric Research

Capt. Christopher Gunderson
Fleet Numerical Meteorology and Oceanography Center

Dr. Kenneth E. Kunkel
Illinois State Water Survey

Prof. Clifford F. Mass
Dept. of Atmospheric Sciences, University of Washington

Prof. George A. Maul
Dept. of Marine and Environmental Systems, College of Engineering - Florida Institute of
Technology

Dr. James T. Moore
Dept. of Earth And Atmospheric Sciences, St. Louis University

Dr. Vladimir A. Rakov
Dept. of Electrical and Computer Engineering, University of Florida

Dr. Roy M. Rasmussen
National Center for Atmospheric Research

Dr. Richard B. Rood
NOAA/NASA/Goddard Space Flight Center

Prof. Steven Rutledge
Dept. of Atmospheric Science, Colorado State University

Prof. Friedrich A. Schott
Institut für Meereskunde an der Universität Kiel, Germany

Mr. Daniel L. Smith
National Weather Service, Southern Region

Dr. Charles Stearns
SSEC, University of Wisconsin

Prof. Isztar Zawadzki
Dept. of Atmospheric and Oceanic Sciences, McGill University

Prof. Toshio Yamagata
Dept. of Earth & Planetary Science, Graduate School of Science, University of Japan

HONORARY MEMBERS

AMS Honorary Members are persons of acknowledged preeminence in the atmospheric or related oceanic or hydrologic sciences.

Professor Taroh Matsuno
Frontier Research System for Global Change, Japan

Dr. Robert H. Simpson
Simpson Weather Associates, Inc.

AMS AWARD WINNERS

CARL-GUSTAF ROSSBY RESEARCH MEDAL

Prof. Peter J. Webster
Earth & Atmospheric Sciences and Civil & Environmental Engineering
Georgia Institute of Technology

“for enduring contributions to understanding the general circulation of the tropical atmosphere-ocean system, through insightful research and exemplary scientific leadership.”

Carl-Gustaf Rossby Research Medal is the highest honor that the Society can bestow upon an atmospheric scientist. The award is presented annually for outstanding contributions to the understanding of the structure or behavior of the atmosphere. The medal is named in honor of Carl-Gustaf Rossby, widely known in the meteorological community for his contributions to the basic understanding of the dynamics and thermodynamics of the atmosphere.

JULE G. CHARNEY AWARD

Dr. Richard Rotunno
NCAR

“for highly significant, scholarly contributions to understanding the dynamics that govern a wide spectrum of mesoscale phenomena and processes.”

The Jule G. Charney Award is given to individuals in recognition of highly significant research or development achievement in the atmospheric or hydrologic sciences. The award was established in 1969 during the 50th anniversary of the Society and was originally called the “Second Half-Century Award.” In 1982, it was renamed in honor of Jule Charney, who played a major role in establishing the theoretical framework on which numerical weather prediction is based.

VERNER E. SUOMI AWARD

Prof. Michael H. Freilich
Oregon State University

“for pioneering the development and scientific application of satellite scatterometry as an essential oceanographic tool.”

The Verner E. Suomi Award is given to individuals in recognition of highly significant technological achievement in the atmospheric or related oceanic and hydrologic sciences.

SVERDRUP GOLD MEDAL

Prof. Toshio Yamagata
Dept. of Earth & Planetary Science Graduate School of Science, University of Tokyo, Japan

“for outstanding accomplishments in the study of ocean and climate dynamics, especially with respect to El Niño and air-sea interaction over the Indian Ocean.”

The Sverdrup Gold Medal is awarded to researchers who make outstanding contributions to the scientific knowledge of interactions between the oceans and the atmosphere. The medal is named for Harald Ulrik Sverdrup, a pioneer in the field of oceanography.

HENRY STOMMEL RESEARCH AWARD

Prof. Friedrich A. Schott
Institut für Meereskunde an der Universität Kiel, Germany

“for systematically undertaking observations in challenging environments and for bold interpretation leading to greater understanding of the ocean circulation.”

The Henry Stommel Research Award is granted to researchers in recognition of their outstanding contributions to the advancement of the understanding of the dynamics and physics of the ocean. Henry Stommel was known for his contributions to the dynamics of ocean currents, especially the Gulf Stream, and for his insight into the physics of the oceans and associated atmospheric phenomena.

CHARLES FRANKLIN BROOKS AWARD

Ms. Mary M. Glackin
NOAA

“for extraordinary commitment and skill as Councilor and member of the Executive Committee, and her advocacy on behalf of women, minorities, and younger members of the Society.”

The Charles Franklin Brooks Award is presented to an individual who has made important contributions to the Society, usually over a period of years. The award is named for Charles Franklin Brooks, who founded the AMS.

CLEVELAND ABBE AWARD

Dr. John W. Zillman
Bureau of Meteorology, Australia

“for tireless, masterful leadership as President of the World Meteorological Organization and consistently wise counsel on policy issues critical to the international environmental community.”

The Cleveland Abbe Award for Distinguished Service to Atmospheric Sciences by an Individual is presented on the basis of activities that have contributed to the progress of atmospheric sciences or to the application of atmospheric sciences to general, social, economic, or humanitarian welfare. Abbe was one of the pioneers in meteorology and served in the Army Signal Corps, the predecessor of the National Weather Service.

CHARLES E. ANDERSON AWARD

Dr. Margaret A. LeMone
NCAR

“for joyfully sharing her understanding of meteorology through publications and individual mentoring, and inspiring people of all ages with her journey as a woman of science.”

The Charles E. Anderson Award is given to an individual or organization in recognition of outstanding and/or extraordinary contributions to the promotion of educational outreach, educational service, and diversity in the AMS and broader communities.

CLARENCE LEROY MEISINGER AWARD

Dr. Brian E. Mapes
CIRES

“for highly original contributions to the understanding, modeling, and parameterization of

atmospheric convection, its organization, and its coupling to the large-scale flow.”

The Clarence Leroy Meisinger Award is given to an individual for research development that is, at least in part, aerological in character and concerns the observation, theory, and modeling of atmospheric motions on all scales. The award is given to young, promising atmospheric scientists who have recently shown outstanding ability and are under 40 years of age when nominated.

HENRY HOUGHTON AWARD

Dr. James M. Haywood
United Kingdom Meteorological Office

“for innovative modeling and observational studies of aerosol radiative effects, leading to new insights into forcing of climate change.”

The Henry G. Houghton Award is given to an individual in recognition of research achievement in the field of physical meteorology, including atmospheric chemistry. Henry G. Houghton founded the University Corporation for Atmospheric Research in Boulder, Colorado.

AWARD FOR OUTSTANDING CONTRIBUTION TO THE ADVANCEMENT OF APPLIED METEOROLOGY

Dr. Christopher Daly
Dept. of Geosciences/Spatial Climate Analysis Service
Oregon State University

“for meticulous efforts in developing innovative techniques to map climate data in formats that facilitate their application by users around the world.”

The award is granted to an individual for contributions to the direct application of meteorological or climatological knowledge to the fulfillment of industrial or agricultural needs or to research and development of scientific knowledge that can meet such needs.

CHARLES L. MITCHELL AWARD

Mr. Gary K. Grice
NWS/Southern Region Headquarters

“for three decades of exceptional achievements and leadership in applied weather research, forecast operations, and modernization efforts in the Southern Region of the National Weather Service.”

The Charles L. Mitchell Award is presented for lifetime achievement in operational weather forecasting and weather research. It is one of three awards the AMS gives to weather forecasters. The award is named in honor of Charles L. Mitchell, who was recognized by the Society in 1967 “for his record of outstanding public service during the first half of the 20th century.”

FRANCIS W. REICHELDERFER AWARD

Joseph J. (John) Feldt
NWS Southeast River Forecast Center

“for effective communication of heavy rainfall and flood forecast information to the

emergency management community, and for promoting awareness of the inland flooding threat from tropical cyclones.”

The Francis W. Reichelderfer Award is presented for distinguished public service contributions by personnel of the weather services. It is one of three awards the AMS gives specifically to weather forecasters. The award is named for Reichelderfer, who led the U.S. Weather bureau, now the National Weather Service (NWS), from 1938 to 1963.

AWARD FOR AN EXCEPTIONAL SPECIFIC PREDICTION

Contact: Cmdr. Ernie Petzrick
Christopher S. Hedger
Stephen J. Daniel
Brian D. Arren
Richard Rainer
Jordan N. Mechanic
Billy D. Scott III
Gene M. Swope
Russell G. Ingersoll

“for their exceptional meteorological and oceanographic forecasts targeting an optimal 72-hour period for complex and dangerous recovery operations to raise the Japanese fishing vessel Ehime Maru, 12 October 2001.”

AWARD FOR BROADCAST METEOROLOGY

Mr. John Toohey-Morales, CCM
ClimaData, Inc.

“for outstanding service and dedication to communicating weather and life-saving information to the Spanish speaking community through local and national broadcasts.”

AWARD FOR OUTSTANDING ACHIEVEMENT IN BIOMETEOROLOGY

Prof. T. Andrew Black
Faculty of Agriculture – University of British Columbia

“for exceptional contributions to teaching and research in the area of forest biometeorology.”

AWARD FOR OUTSTANDING SERVICES TO METEOROLOGY BY A CORPORATION

Aerodyne Research, Inc.

“for development and application of sensitive methods to measure aerosol and trace gas species critical to understanding atmospheric chemical processes and transport.”

LOUIS J. BATTAN AUTHOR’S AWARD

Hurricane Watch

Dr. Robert C. Sheets, Meteorological Consultant
Jack Williams, USA Today

“for **Hurricane Watch**, a fascinating look into the past, present, and future of hurricane research and forecasting.”

BATTAN AWARD IN K-12 CATEGORY (Presented for the First Time)

Hurricane Strike

Comet

“for **Hurricane Strike**, an immersive, highly interactive and entertaining educational resource for teaching hurricane science and safety with creative use of multimedia and exceptional meteorological quality.”

The Louis J. Battan Author’s Award is presented in two categories: (1) To the author(s) of an outstanding, newly published book on the atmospheric and related sciences of a technical or nontechnical nature, with consideration to those books that foster public understanding of meteorology in adult audiences. (2) To the author(s) of outstanding, newly published learning materials or books that foster the understanding of atmospheric and related sciences in K–12 audiences.

ROBERT E. HORTON LECTURER IN HYDROLOGY

Dr. Alan K. Betts

Atmospheric Research

“for pioneering efforts to understand the coupling between the land surface and the convective boundary layer.”

The Robert E. Horton Lecturer in Hydrology is selected in recognition of eminence as a scientist, or for outstanding research on topics of interest to both hydrologists and meteorologists. It is named for Robert E. Horton (1875–1945), whose career was distinguished by important assignments involving intricate hydrometeorological problems and by contributions to the sciences of meteorology and hydrology embracing all phases of the hydrologic cycle. The lecture, which may be either a general overview or a summary of recent work conducted in an area of particularly current interest, is presented at an AMS Annual Meeting or at an appropriate specialized conference and is published in the *Bulletin*.

SPECIAL

NOAA Weather Radio

“for immeasurable contributions to personal and community safety and quality of life by providing real-time forecasts and warnings directly to homes and meeting places.”

EDITOR’S AWARDS

Journal of the Atmospheric Sciences

Dr. Andrew Gettelman

NCAR

“for thoughtful, detailed, and constructive reviews of papers on convective mixing and stratosphere-troposphere exchange processes.”

Journal of Applied Meteorology

Dr. Robert E. Davis

University of Virginia

“for going beyond critique and providing constructive alternative approaches concerning fundamental issue of analysis.”

Journal of Physical Oceanography

Prof. Matthew H. Alford
University of Washington

“for unusually prompt, perceptive, well-balanced, and constructive reviews.”

Monthly Weather Review

Dr. Paul J. Roebber
University of Wisconsin – Milwaukee

“for completing many difficult reviews that were very thorough, constructive, and returned in a timely fashion.”

Journal of Atmospheric and Oceanic Technology

Dr. Gerhard Peters
Meteorologisches Institut, Hamburg Germany

“for many thoughtful and comprehensive reviews that have resulted in significantly improved manuscripts.”

Weather and Forecasting

Mr. Matthew Bunkers
NWS Forecast Office, Rapid City, SD

“for thorough, signed reviews that consistently assisted authors in improving their manuscripts.”

Journal of Climate

Prof. Tsing-Chang Chen
Iowa State University

“for conscientious reviews that have materially helped to uphold the standards of the journal.”

Journal of Hydrometeorology

Dr. Danny Marks
USDA-ARS Northwest Watershed Research Center

“for thorough and insightful reviews intended to enhance the quality of authors' contributions to the journal.”

AMS LOCAL CHAPTER OF THE YEAR AWARD

District of Columbia Chapter

“for extraordinary service to the community through a wide variety of outreach activities including a high-school weather camp, a winter storms conference, and numerous science fairs.”

AMS STUDENT CHAPTER OF THE YEAR AWARD

Cook College

“for exemplary mentoring of incoming students, support of national Society activities, and selfless service to its local community.”

TEACHING EXCELLENCE AWARD

Prof. Howard Bluestein
The University of Oklahoma

“for an abiding and enthusiastic commitment to excellence in educating his students both in and outside the classroom.”

The Teaching Excellence Award is given annually to an individual in recognition of sustained outstanding teaching and mentoring at the undergraduate and/or graduate levels in the atmospheric, oceanic, and related sciences.