

AWARDS, FELLOWS, AND HONORARY MEMBERS 2006

THE

CARL-GUSTAF ROSSBY RESEARCH MEDAL

ROBERT A. HOUZE

Professor of Atmospheric Sciences, University of Washington, Seattle, Washington
For fundamental and enduring contributions towards the understanding of the broad spectrum of precipitation systems, their interactions with the larger scale circulations, and for his insightful leadership of field programs.

THE JULE G. CHARNEY AWARD

ROBERT D. CESS

Distinguished Professor Emeritus, Marine Sciences Research Center,
Stony Brook University, Stony Brook, New York
For his outstanding contributions to our understanding of the science of atmospheric radiation and climate change and the role of clouds in climate models.

THE VERNER E. SUOMI AWARD

H. THOMAS ROSSBY

Professor, Graduate School of Oceanography, University of Rhode Island, Kingston,
Rhode Island
For innovative and influential contributions to the technology of oceanographic instruments and methods that have profoundly improved the understanding of ocean circulation and processes.

THE SVERDRUP GOLD MEDAL

PETER K. TAYLOR

Head, James Rennell Division, National Oceanography Centre, Southampton, United
Kingdom
For major contributions to our understanding of ocean-atmosphere interactions and for determination and leadership in improving the climatology of air-sea fluxes based on measurements from ships.

THE HENRY STOMMEL RESEARCH AWARD

MICHAEL C. GREGG

Professor of Oceanography, Applied Physics Laboratory and School of Oceanography,
University of Washington, Seattle, Washington
For outstanding and comprehensive measurements of turbulence and mixing in many oceanic environments, and particularly for establishing a quantitative relationship between pelagic mixing rates and the energy of internal waves.

THE CHARLES FRANKLIN BROOKS AWARD FOR OUTSTANDING SERVICES TO THE SOCIETY

OTIS B. BROWN

Dean, Rosenstiel School of Marine & Atmospheric Science, University of Miami, Miami,
Florida
For valuable services as Councilor and member of the Planning Commission in expanding the awareness and outreach of the Society in Oceanography, Remote Sensing and Information Technology, Education, and Climate.

**THE CLEVELAND ABBE AWARD FOR DISTINGUISHED SERVICE TO
ATMOSPHERIC SCIENCES BY AN INDIVIDUAL**

JULIA NOGUES-PAEGLE

Professor (Emerita) of Meteorology, University of Utah, Salt Lake City, Utah
For her excellent research in Pan-American Climate studies; for her legacy as an inspiring teacher and role model, and for her tireless, generous, and consistently wise counsel in many committees.

THE CHARLES E. ANDERSON AWARD

THOMAS L. WINDHAM

Senior Advisor for Science and Engineering Workforce, National Science Foundation, Arlington, Virginia
For his vision and determination to promote diversity, especially among students in the field of atmospheric and related sciences through mentoring, research, and outreach.

THE TEACHING EXCELLENCE AWARD

PHILLIP J. SMITH

Professor, Department of Earth and Atmospheric Sciences, Purdue University, West Lafayette, Indiana
For a lifetime career of exemplary performance as a teacher, educator, and mentor of over 100 undergraduate and 40 graduate students that have impacted all sectors of the atmospheric science profession.

THE CLARENCE LEROY MEISINGER AWARD

PAUL A. DIRMEYER

Associate Research Scientist, Center for Ocean-Land-Atmosphere Studies, Calverton, Maryland
For improved understanding of the role of soil moisture in land-atmospheric coupling, climate variability and climate predictability, and for leadership in GEWEX land modeling activities.

The Henry G. Houghton Award

NATALIE MAHOWALD

Scientist, Climate and Global Dynamics Division, Terrestrial Sciences Section, National Center for Atmospheric Research, Boulder, Colorado
For her outstanding contributions to our understanding of the global distribution of the mineral aerosol and its thermodynamic and biogeochemical roles; and for developing accurate atmospheric circulation and chemistry models.

**THE AWARD FOR OUTSTANDING CONTRIBUTION TO THE ADVANCE OF
APPLIED METEOROLOGY**

RICHARD E. ORVILLE

Professor and Head, Department of Atmospheric Sciences, Texas A&M University, College Station, Texas
For distinguished scientific contributions which have greatly improved our understanding the phenomenology and climatology of the lightning discharge.

**THE AWARD FOR OUTSTANDING SERVICE BY A BROADCAST
METEOROLOGIST**

BARRY M. BURBANK

Meteorologist, CBS4, Boston, Massachusetts

For over twenty-five years of outstanding service and dedication to New England viewers through meticulously detailed, thoughtful, and highly accurate weather forecasts.

**THE AWARD FOR EXCEPTIONAL SPECIFIC PREDICTION
ROBERT R. HANDEL, BARRY N. BAXTER, PABLO SANTOS**

NOAA/National Weather Service, Miami, Florida

For exceptional forecast and warning service to the people of South Florida during the deadly Brownsville/Liberty City tornado outbreak on March 27, 2003.

Robert R. Handel, Meteorologist/Forecaster

Barry N. Baxter, Meteorologist/Forecaster

Pablo Santos, Science and Operations Officer

THE CHARLES L. MITCHELL AWARD

JAMES LUSHINE

Warning Coordination Meteorologist, NOAA/National Weather Service, Miami, Florida

For life saving research and forecast methodology on rip currents. This program, adopted nationwide by the National Weather Service, has resulted in many lives saved from rip current drownings.

**THE AWARD FOR OUTSTANDING ACHIEVEMENT IN BIOMETEOROLOGY
SHASHI B. VERMA**

Charles Bessey Professor of Natural Resource Sciences, School of Natural Resources, University of Nebraska-Lincoln, Lincoln, Nebraska

for pioneering research that revolutionized the measurement of carbon dioxide, methane, water and energy exchange between plants and the atmosphere and for outstanding mentoring and leadership.

THE LOUIS J. BATTAN AUTHOR'S AWARD

CHARLES WOHLFORTH

Freelance writer and author, Anchorage, Alaska

For his book, *The Whale and the Supercomputer*, an engaging, page-turning account of how a society is being impacted by, and adapting to, climate change and the contributions of traditional and scientific knowledge to understanding a complex environmental issue.

THE LOUIS J. BATTAN AUTHOR'S AWARD

K - 12 CATEGORY

GLEN PHELAN

Writer and Editor; Project Manager, Navta Associates, Chicago, Illinois

For his book *Extreme Weather*, a stimulating and well-illustrated introduction to catastrophic weather events for elementary students that challenges students to think scientifically and apply what they have learned.

SPECIAL AWARD

NOAA/NWS FORECAST OFFICE, MELBOURNE, FLORIDA

For providing innovative and life-saving meteorological and hydrological services to the citizens of east-central Florida during Hurricanes Charley, Frances, and Jeanne, while also enduring personal hardships.

SPECIAL AWARD

RAYMOND J. BAN

Executive Vice President, The Weather Channel, Inc. Atlanta, Georgia

JOHN B. MCLAUGHLIN

Chief Meteorologist, KCCI-TV, Des Moines, Iowa

GREGORY B. FISHEL

Chief, Meteorologist, WRAL-TV, Raleigh, North Carolina

LISA SPENCER

Chief Meteorologist, WSMV-TV, Channel 4, Nashville, Tennessee

ELIZABETH PAGE

Meteorologist, Cooperative Program for Operational Meteorology, Education, and Training, University Corporation for Atmospheric Research, Boulder, Colorado

JAMES Wm. JAGGERS

Meteorologist, WREG-TV, News Channel 3, Memphis, Tennessee

For extensive, and exceptional work over the years on the development, writing, implementation and execution of the new standards for broadcasters through the American Meteorological Society Certified Broadcast Meteorologist program.

SPECIAL AWARD

MAX MAYFIELD AND THE TROPICAL PREDICTION CENTER

For outstanding service to the country during Hurricane Katrina.

NOAA/NWS, National Centers for Environmental Prediction, Tropical Prediction Center, National Hurricane Center, Miami, Florida

**THE AWARD FOR OUTSTANDING SERVICES TO METEOROLOGY
BY A CORPORATION**

AWS CONVERGENCE TECHNOLOGIES, INC.

Germantown, Maryland

For its leadership in the implementation of a nation wide network of automated weather stations providing realtime data for education, government, and industry, thereby furthering the science and enhancing the applications of meteorology significantly.

EDITORS AWARDS:

JOURNAL OF THE ATMOSPHERIC SCIENCES

R. ALAN PLUMB

Professor of Meteorology and Director, Program in Atmospheres, Oceans, and Climate, Massachusetts Institute of Technology, Cambridge, Massachusetts

For his enormous efforts in support of the *JAS* special issue on the Antarctic stratospheric sudden warming and split ozone hole of 2002.

JOURNAL OF APPLIED METEOROLOGY

MICHAEL TJERNSTROM

Professor, Department of Meteorology, Stockholm University, Stockholm, Sweden

For exceptionally thorough and timely reviews of manuscripts submitted to the *Journal of Applied Meteorology*.

JOURNAL OF PHYSICAL OCEANOGRAPHY

TREVOR J. MCDOUGALL

Chief Research Scientist, CSIRO Marine and Atmospheric Research, Hobart, Australia
For detailed, constructive, and sometimes entertaining reviews of numerous difficult manuscripts.

MONTHLY WEATHER REVIEW

MARK T. STOELINGA

Research Assistant Professor, Department of Atmospheric Sciences, University of Washington, Seattle, Washington
For consistently providing many in-depth and thorough reviews, and for providing special assistance to the editors on controversial manuscripts.

JOURNAL OF ATMOSPHERIC AND OCEANIC TECHNOLOGY

SEIJI KATO

Research Associate Professor, Department of Physics, Hampton University, Hampton, Virginia
For exceptional effort in contributing thoughtful, thorough, and timely reviews that have helped maintain the high journal standards.

WEATHER AND FORECASTING

WILLIAM A. GALLUS

Associate Professor of Meteorology, Professor-in-Charge, Meteorology, Iowa State University, Ames, Iowa
For meticulous and thorough reviews that are always fair and helpful.

JOURNAL OF CLIMATE

TOM M. L. WIGLEY

Senior Scientist, National Center for Atmospheric Research, Boulder, Colorado
For his exceptionally constructive and insightful reviews that led to dramatic improvements in manuscripts.

JOURNAL OF HYDROMETEOROLOGY

ALAN ROBOCK

Professor II, Department of Environmental Sciences, Rutgers University, New Brunswick, New Jersey
For providing timely, insightful and comprehensive reviews that have helped to ensure the publication of high quality research.

THE AWARD FOR OUSTANDING CHAPTER OF THE YEAR

NORTH FLORIDA

Tallahassee, Florida
for their outstanding educational and community outreach activities in the Tallahassee area.

THE AWARD FOR OUSTANDING STUDENT CHAPTER OF THE YEAR

LYNDON STATE COLLEGE

Lyndonville, Vermont
For their efforts in organizing the 30th Northeastern Storm Conference and for sponsoring creative events that have significant educational impact within the college and their local community.

THE REMOTE SENSING LECTURER

PAUL L. SMITH

Professor Emeritus, Institute of Atmospheric Sciences, South Dakota School of Mines and Technology, Rapid City, South Dakota

For advancing the quantitative use of radar in cloud and precipitation physics.

THE ROBERT E. HORTON LECTURER IN HYDROLOGY

SOROOSH SOROOSHIAN

Distinguished Professor, Department of Civil and Environmental Engineering and Earth System Science, University of California, Irvine, California

For significant contributions for estimating precipitation from space-based imagery and for applications to semi-arid region hydrology and water resources management.

THE BERNHARD HAURWITZ MEMORIAL LECTURER

PETER H. STONE

Professor of Climate Dynamics, Massachusetts Institute of Technology, Cambridge, Massachusetts

For pioneering contributions to the understanding of planetary general circulations and ocean-atmosphere feedbacks that operate on climate timescales.

THE WALTER ORR ROBERTS LECTURER IN INTERDISCIPLINARY SCIENCES

ANTONIO J. BUSALACCHI

Director and Professor, Earth System Science Interdisciplinary Center, University of Maryland, College Park, Maryland

For outstanding contributions in ocean-atmosphere-biosphere interactions and for development of novel assimilation strategies for climate and ecosystems observations.

SPIROS G. GEOTIS PRIZE

MARKO B. ORESCANIN

For his paper ‘Signal Processing of Beam-Multiplexed Data for Phased-Array Weather Radar.’

Graduate Research Assistant, CIMMS, University of Oklahoma, Norman, Oklahoma.

CHRIS R. ROSE

For his paper ‘Systems Engineering Analysis of a TRMM-like Retrieval Algorithm: Implication for GPM Design.’

Technical Staff Member, Los Alamos National Laboratory, Los Alamos, New Mexico.

ELECTED HONORARY MEMBERS

PETER V. HOBBS

CHESTER W. NEWTON

WARREN M. WASHINGTON

ELECTED FELLOWS 2006

M. Joan Alexander

Lixion A. Avila

Edward V. Browell

Gregory Paul Byrd

Robert D. Cess

V. Chandrasekar

John W. Diercks

Lawrence Dunn

James E. Dye

Maria Assunção Faus da Silva Dias

Konstantine P. Georgakakos

C. Sue B. Grimmond

James W. Hurrell

John Maurice Lewis

Gerald A. Meehl

Linda O. Mearns

John Molinari

Vickie L. Nadolski

Hua-Lu Pan

Matthew J. Parker

Venkatachalam Ramaswamy

Gerard D. Wittman

Craig James Woods

Da-Lin Zhang

Francis William Zwiars