

The Award for Outstanding Contribution to the Advance of Applied Meteorology 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 in research and development of scientific knowledge, which can meet such needs. Names of nominees are submitted to the Board for Private Sector Meteorologists with input from the Applied Climatology Scientific and Technological Activities Commission (STAC) Committee. The Board submits a recommendation to the Commissioner on Professional Affairs, who reviews the recommendation and then makes a recommendation to the Council for final approval.

Winners of the Award for Outstanding Contribution to the Advance of Applied Meteorology

1956

Joseph J. George *"for his numerous contributions to the improvement of practical forecasting for airways operation, notably with respect both to general flight conditions and to local terminal conditions."*

1957

Vincent J. Schaefer *"for his original contributions in the field of experimental and physical meteorology, particularly his pioneering work in artificial nucleation."*

1958

None awarded

1959

Carl-Gustaf Arvid Rossby, posthumously. *"He did much as President of the American Meteorological Society in 1944—1945 to convince industry of the importance of developing all phases of industrial meteorology and secured cooperation and support of large progressive companies in this effort. He persuaded the U.S. Weather Bureau to make weather information over teletype facilities available to private meteorologists without charge. He encouraged and inspired many younger meteorologists to enter the field of applied meteorology. In 1927 under the sponsorship of the Daniel Guggenheim Fund for Aeronautics, he established the first model airway weather service in the United States."*

1960

Henry T. Harrison *"for his pioneering work in aviation meteorology and his continuing key role in the development of modern aeronautical meteorology and its application to the jet era."*

1961

Robert D. Elliott *"for his effective leadership and outstanding administration in broadly pursuing opportunities for expanding meteorological research and its applications in private industry."*

1962

Alfred H. Glenn *"for his path-setting development in combining meteorological and civil engineering knowledge to form an effective approach for weather advice to industry, accepted as a basis for management decision."*

1963

Herbert C. S. Thom *"for a quarter century of contributions to applied meteorology, including furnishing climatological estimates to the armed forces during World War II, major contributions to the problems of statistical analysis of climatological data, development of wind design data, and development of a much-improved formula for calculating annual and seasonal energy use for domestic heating."*

1964

None awarded

1965

Loren W. Crow *"Certified Consulting Meteorologist, who is one of the first meteorologists to establish a successful business based solely on the private practice of consulting. Over the past several years, his many contributions to the Society, valuable services to his clients, and continued maintenance of the highest standards of professional ethics have reflected credit upon the Society and the profession as a whole and have greatly improved the stature of the consulting meteorologist."*

1966

Eugene Bollay *"Certified Consulting Meteorologist, who has demonstrated imagination and technical skill in many areas of industrial meteorology, who has contributed generously to the affairs of the Society, including its progress to better inform the public, and who, as an example of the private meteorological practitioner, has won the respect of the public and profession alike."*

1967

Charles Pennypacker Smith *"for his pioneering contributions to the ethical development of the field of industrial meteorology and his continued support of the practice of consulting meteorology over the past two decades."*

1968

Wallace E. Howell *"for his valuable contributions to the theory and practice of the modification of clouds by artificial nucleation. Over the years, he has conducted many cloud-seeding operations, thereby helping to reveal both the effectiveness and the limitations of cloud-seeding procedures."*

1969

E. Wendell Hewson *"for his pioneering work in the application of meteorology to the air-pollution problems of industry and health."*

1970

Arthur F. Merewether *"for his leadership in aviation meteorology and for his effective application of meteorology during World War II."*

1971

George P. Cressman *"in recognition of his deep personal concern for the effective application of meteorology, and his skilled conversion of a broad knowledge of this science into more than two decades of outstanding service to the nation."*

1972

Vincent J. Oliver *"for his innovative contributions over the past three decades in the application of new meteorological observations and theory to the problem of weather forecasting and for his creative use of meteorological satellite data."*

Howard B. Kaster *"for his pioneering contributions to the application of meteorological observations and theory to airline operations and the development of ocean routing procedures valuable to civilian and military ocean transportation."*

1973

Harold A. Bedient *"for his contributions in the automation of global tropical analysis, flight planning, weather graphics and displays, weather data processing, communications, and computer operations."*

Robert E. Munn *"for his extensive activities in the application of basic concepts of micrometeorology and atmospheric turbulence and diffusion to problems of air pollution, biometeorology, and recently to the whole spectrum of international environmental problems."*

1974

Robert A. McCormick *"for his remarkable national and international leadership in air pollution meteorology; for his foresight and initiative in bringing about global turbidity monitoring, advances in air quality simulation modeling, and productive urban air-pollution field studies; and for his effectiveness in preserving a rigorous scientific approach in dealing with pressing applied problems."*

- 1975
William H. Klein *"for his notable development of objective procedures for predicting surface weather elements and his leadership in bringing these and other scientific advances in meteorology into practical use."*
- 1976
Don G. Friedman *"for his astute contributions to the quantitative estimation of the risks of natural geophysical and environmental hazards."*
Bernard Vonnegut *"for his pioneering discoveries of artificial techniques for the nucleation of ice crystals, which have continued to provide the basis for weather modification."*
- 1977
John E. Wallace *"for his pioneering efforts in the application of meteorological skills to the birth and development of the field of industrial meteorology, and for his dedication to the viability and growth of this sector through the maintenance of high standards and professional competence during the past three decades."*
- 1980
Allan H. Murphy *"for his innovative experimental and practical studies related to probability forecasting and for significant contributions to the theory and practice of forecast evaluation."*
- 1981
Harry R. Glahn *"for his pioneering work in the development and application of the method of model output statistics and effective supervision of a broad development program for operational forecast guidance products."*
- 1982
J. Stewart Marshall *"for his pioneering contributions to the development and application of radar as a standard tool of applied meteorology."*
- 1983
Charles J. Neumann *"for his pioneering studies, and inspiring leadership, in hurricane research in support of the operational mission of the National Hurricane Center in Miami, and the hurricane missions of the National Weather Service Offices in San Francisco and Honolulu."*
- 1984
Paul B. MacCready *"for basic and applied contributions in turbulence and diffusion, air quality, cloud properties, wind power, and advances in instrumentation to monitor the atmospheric environment. In these pursuits, as in his innovation of ultralight aircraft, he has demonstrated the value of interdisciplinary vision in achieving goals."*
- 1985
E. Philip Krider *"for significant contributions to applied meteorology through the development and application of lightning detection instrumentation, thereby improving public services and helping to save lives and property."*
- 1986
Dennis W. Trettel *"for outstanding contributions in the development and application of practical techniques for preparing and disseminating industry-oriented weather forecasts. His leadership and active participation as a private sector forecaster spanning four decades have brought honor and respect to the meteorological profession."*
- 1987
None awarded
- 1988
T. Theodore Fujita *"for pioneering studies of damaging storms on the mesoscale."*
- 1989
Norman A. Phillips *"for major contributions to the design and operation of the Nested Grid Model at the National Meteorological Center."*

- 1990
Franklin A. Gifford, Jr. *"for outstanding contributions to the understanding of turbulent diffusion, and for the development of simple methods of diffusion estimation."*
- 1991
Stanley A. Changnon, Jr. *"for long-sustained and successful efforts to apply climatological knowledge to the satisfaction of a wide variety of agricultural and industrial needs."*
- 1992
Michael R. Smith *"for pioneering applications of computer graphic newspaper weather displays, and innovative procedures for TV severe weather broadcasts."*
- 1993
Richard H. Thuillier *"for thirty years of notable application of meteorology to practical problems in government and industry."*
- 1994
Steven R. Hanna *"for finding innovative solutions to complex air quality problems for private and public clients."*
- 1995
Keith J. Brown *"for over 35 years of actively and effectively promoting ethical and technical integrity in the practice of applied meteorology and weather modification."*
- 1996
Hal W. Brown *"for pioneering work in air pollution meteorology and analyses and photochemical modeling that reduced by \$100 million the pollution control costs in San Diego County, California."*
- 1997
Leslie R. Lemon *"for pioneering work including design and development of the WSR-88D Doppler weather radar system."*
- 1998
George E. McVehil *"for continuous, long-term contributions to the understanding of meteorology and its applications to applied problems for industrial and governmental clients."*
- 1999
None awarded
- 2000
None awarded
- 2001
Fred V. Brock *"for a career filled with outstanding innovations and contributions in instrument and observational systems."*
- 2002
William H. Haggard *"for a long and distinguished career in advancing the field of applied meteorology in both the public and private sector in climatology and forensic meteorology."*
- 2003
Alfred K. Blackadar *"for lifelong contributions as a scientist and educator to our understanding of winds in the lower atmosphere and their effect on natural and man-made environments."*
- 2004
John C. Freeman *"for valuable contributions over the past six decades to the science and application of marine and coastal meteorology."*
- 2005
Christopher Daly *"for meticulous efforts in developing innovative techniques to that facilitate their application by users around the world."*
- 2005
None awarded

2006

Richard Orville *“for distinguished scientific contributions which have greatly improved our understanding the phenomenology and climatology of the lightning discharge.”*

2007

John R. Toohey-Morales *“For pioneering delivery of meteorological forecasts and climatological consulting services to the Spanish-speaking community across the U.S. and Latin America, and for tireless outreach to minority students in the atmospheric sciences.”*

2008

J. Paul Dallavalle *“for distinguished contributions to weather forecast improvement by providing high quality, post-processed numerical weather prediction products over a 30-year period.”*

2009

Robert O. Baron *“a long history of innovations which have successfully alerted the public to threats from tornadoes and other severe weather events.”*