



## the Society's awards

***The Carl-Gustaf Rossby Research Medal*** is presented to individuals on the basis of outstanding contributions to the understanding of the structure or behavior of the atmosphere. It represents the highest honor that the Society can bestow upon an atmospheric scientist. The award is in the form of a medallion.

***The Jule G. Charney Award*** is granted to individuals in recognition of highly significant research or development achievement in the atmospheric or hydrologic sciences. The award is in the form of a medallion.

***The Verner E. Suomi Award*** is granted to individuals in recognition of highly significant technological achievement in the atmospheric or related oceanic and hydrologic sciences. The term "technological" is here used in the broadest sense; it encompasses the entire spectrum of observational, measurement, data transmission, and data analysis and synthesis methodologies. The award is in the form of a medallion.

***The Sverdrup Gold Medal*** is granted to researchers who make outstanding contributions to the scientific knowledge of interactions between the oceans and the atmosphere. The award is in the form of a medallion.

***The Henry Stommel Research Award*** is granted to researchers in recognition of outstanding contributions to the advancement of the understanding of the dynamics and physics of the ocean. The award is in the form of a medallion.

***The Charles Franklin Brooks Award for Outstanding Services to the Society*** is presented to an individual who has made important contributions to the Society, usually over a period of years.

***The Cleveland Abbe Award for Distinguished Service to Atmospheric Sciences by an Individual*** is presented on the basis of activities that have materially contributed to the progress of the atmospheric sciences or to the application of atmospheric sciences to general, social, economic, or humanitarian welfare.

***The Charles E. Anderson Award*** is given to an individual in recognition of outstanding contributions to the promotion of diversity in the atmospheric and related sciences and broader communities through education and community service. The award is in the form of an inscribed wooden book.

***The Clarence Leroy Meisinger Award*** is given to an individual in recognition of research achievement 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.

***The Henry G. Houghton Award*** is given to an individual in recognition of research achievement in the field of physical meteorology, including atmospheric chemistry. The award is given to young, promising atmospheric scientists who have recently shown outstanding ability and are under 40 years of age when nominated.

It is intended that the Meisinger Award and the Henry G. Houghton Award between them shall embrace all facets of atmospheric research so that workers in all branches of the atmospheric sciences shall be eligible for one or the other.

***The Awards for Outstanding Service by a Weather Forecaster*** are presented to individuals who, through performance of exceptional forecast service, have distinguished themselves and brought credit to their profession. The Society presents the awards in recognition of the great importance of weather forecasting to the public safety and well-being, and the valuable professional services provided by persons who are engaged in forecasting activities. Recommendations for the awards are made by the Committee on Weather Analysis and Forecasting. Two awards are given:

- 1) **The Charles L. Mitchell Award** is given in recognition of long-term service by persons engaged in weather forecasting activities.
- 2) **The Award for an Exceptional Specific Prediction** is given to one or more individuals in recognition of an exceptional prediction of one or more significant events.

*The Francis W. Reichelderfer Award* is given in recognition of distinguished contributions to the provision of operational environmental services to the public. The STAC Commissioner, in concert with the Professional Affairs Commissioner, appoints a panel to make a recommendation for this award. The panel consists of a chair and two members from the Weather Analysis and Forecasting Committee, two members of the Board for Operational Government Meteorologists, one member from the Hydrology Committee, and one member from the Meteorology and Oceanography of the Coastal Zone Committee.

*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 of Private Sector Meteorology with input from the Applied Climatology 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.

*The Award for Outstanding Service by a Broadcast Meteorologist* was established in 1975. Nominations for the annual award may be made by any individual or group. The recommendation for this award is made by the Board of Broadcast Meteorology.

*The Award for Outstanding Achievement in Biometeorology* is given to an individual who has made outstanding contributions to the theory, teaching, and/or application of knowledge about interactions between the atmosphere and biological systems. Names of nominees are submitted by the Committee on Biometeorology and Aerobiology, with input from the Chair of the Agricultural and Forest Meteorology Committee, to the STAC Commissioner, who reviews the recommendation and then makes a recommendation to the Council for final approval. The award is presented occasionally.

*The Award for Outstanding Services to Meteorology by a Corporation* is granted to a corporation for contributions to the advancement of the science or the applications of meteorology.

*The Editor's Award* is given to an individual who has contributed a referee's report of outstanding merit on a manuscript submitted for publication in one of the Society's journals. It draws attention to the fact that the quality of our journals depends in a crucial way upon the reviewing process, and that this process is one to which a large segment of the scientific community contributes much time and painstaking effort, largely unheralded, in a spirit of selfless commitment to the ideals of accuracy and lucidity in scientific writing. The Publications Commissioner presents a list to the Council for approval.

*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.

**The Outstanding Chapter Award:** Each year the AMS recognizes two local chapters (one regular chapter and one student chapter) that have demonstrated exceptional innovation and activity over the past year. Specifically, the two awards are "Local Chapter of the Year Award," and "Local Student Chapter of the Year Award." During the selection process special emphasis will be given to activities that serve to educate and involve the local chapter's community regarding scientific issues. Additional favorable activities include the regular submission of meeting minutes to the Bulletin and participating, as invited, at the AMS Annual Meeting. All chapters, regardless of membership size and availability of external resources, are encouraged to compete as efforts will be made to balance these considerations with the scope of the chapter's accomplishments. The award consists of a banner for the chapter and a certificate for each serving officer. To be considered for an award, a Chapter must be in good standing and meet the minimum requirements outlined in the Local Chapter Officers' Handbook. A Chapter is responsible for nominating themselves for activities conducted during the 12 month period ending 1 May, using a form available from the AMS. The Local Chapter Affairs Committee will review the nominations and make awards recommendations.

***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. The purpose of the lectureship is to encourage and foster an interchange of ideas between meteorologists and hydrologists. 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*. The Lecturer is presented with a certificate. Recommendation of a Lecturer is made by the Committee on Hydrology.

***The Bernhard Haurwitz Memorial Lecturer*** is selected in recognition of significant contributions to the understanding of waves in the atmosphere, the circulation of the middle atmosphere, or the dynamics of climate. The lecture is presented at the AMS Annual Meeting or at an appropriate topical meeting and is published in the *Bulletin*. Recommendation of a Lecturer is made by a five-person panel selected by the STAC Commissioner, which consists of a Chairperson and two members from the Atmospheric and Oceanic Fluid Dynamics Committee, one member from the Middle Atmosphere Committee, and one member from the Climate Variations Committee.

***The Remote Sensing Lecturer*** is selected in recognition of sustained, outstanding contributions to passive or active remote sensing of the atmosphere, ocean, or land. The lecture is presented at the AMS annual meeting or at an appropriate topical meeting, depending on the lecturer and topic. The lecture will be published in the *Bulletin*. Recommendation of a Lecturer is made by a panel composed of a chair appointed by the STAC Commissioner, and the Chairs of the Radar, Satellite, Laser, Atmospheric Radiation, and Measurements Committees.

***The Walter Orr Roberts Lecturer in Interdisciplinary Sciences*** is selected in recognition of significant contributions to the understanding of atmospheric processes through the effective interchange of knowledge between atmospheric science subdisciplines or between atmospheric scientists and scientists of other disciplines. The lecture is presented at an AMS Annual Meeting or an appropriate specialized conference and published in the *Bulletin*. Recommendation of a Lecturer is made by a panel composed of the chairpersons of the STAC committees providing nominations and a chair appointed by the STAC Commissioner. Nominations are solicited annually from the STAC committees by the STAC Commissioner.

***Special Awards*** are presented to individuals or organizations not appropriately recognized by more specifically defined awards and who have made important contributions to the science or practice of meteorology or related aspects of oceanography or hydrology, or to the Society. Individuals employed at other than the professional level may be considered for special awards.

***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.

***The Banner I. Miller Award*** is presented for an outstanding contribution to the science of hurricane and tropical weather forecasting published in a journal with international circulation during the 48 months prior to the deadline for nominations. The award is to be presented at each Conference on Hurricanes and Tropical Meteorology, and the Committee on Tropical Meteorology and Tropical Cyclones will submit its recommendation to the STAC Commissioner by 1 November of the year prior to the conference.

***The Robert Leviton Award*** is presented for the best student paper on the development or evaluation of atmospheric instrumentation or unique measurement techniques. The paper selected for the award may be chosen either from those given at a designated national meeting or technical conference of the Society or from papers appearing in one of its journals. The Committee on Measurements will submit a recommendation to the STAC Commissioner, who shall review the recommendation and then present it to the Council for approval. To be considered for the award, an entrant should either be enrolled as a full-time student or be a student who has just completed a degree but has not yet begun employment at the time the paper is given or submitted for publication. The Robert Leviton Award carries a cash prize of \$300. This

award honors Robert Leviton, who devoted nearly his entire professional career to endeavors related to the measurement of wind, temperature, pressure, and humidity in the atmosphere. He was one of the pioneers in reducing large datasets from radiosondes using a computer.

***The Max A. Eaton Prize*** is awarded for the best student paper presented at each technical conference on hurricanes and tropical meteorology. The paper will be judged on content and presentation by a panel selected by the conference Program Committee. Entrants must be currently enrolled in high school, college, or graduate school. Students who have just completed a degree but have not begun regular employment at the time of the conference are also eligible. The prize, \$100 plus a certificate, was established to recognize Max A. Eaton's lifelong contributions to tropical meteorology and the encouragement he gave to so many young researchers.

***The Spiros G. Geotis Prize*** is awarded for the best student paper presented at each technical conference on radar meteorology. The paper will be judged on content and presentation by a panel selected by the conference program committee. Entrants must be currently enrolled in high school, college, or graduate school. Students who have completed a degree but have not begun regular employment at the time of the conference are also eligible. The prize, an AMS reference book, \$200 plus a certificate, was established to recognize Spiros G. Geotis's lifelong contributions to radar meteorology and the encouragement he gave to so many young researchers.

***The Father James B. Macelwane Annual Award in Meteorology*** are presented to one winner in a student essay contest, the purpose of which is to stimulate interest in the atmospheric sciences among college and university students. The paper must be original and must be concerned with some phase of the atmospheric sciences. All registered undergraduate students of a college or university in the Americas are eligible for participation, but no more than two students from any one institution may enter papers in any one contest. The Committee of Judges for Undergraduate Awards submits their recommendations to the Council for approval. The prize is \$300.

***The Howard T. Orville Scholarship in Meteorology*** is presented on the basis of academic excellence and achievement to a college or university student entering his or her final undergraduate year. He or she must be a major in a meteorology department or other department actively engaged in work on some aspect of the atmospheric sciences, and must intend to make atmospheric science his or her career. This annual scholarship is \$2000. The Orville scholarship honors the late Howard T. Orville, head of the Naval Aerological Service from 1940 to 1950, when he retired as Captain, USN. Orville was President of the American Meteorological Society from 1948 to 1949. The Committee of Judges for Undergraduate Awards submits their recommendation to the Council for approval.

***The Howard H. Hanks, Jr., Scholarship in Meteorology*** is presented on the basis of academic excellence and achievement to a college or university student entering his or her final undergraduate year. He or she must be a major in a meteorology department or other department actively engaged in work on some aspect of the atmospheric sciences, and must intend to make atmospheric science his or her career. This annual scholarship is \$700. The scholarship honors the late Howard H. Hanks, Jr., vice president of Weather Corporation of America, who was engaged in applied and industrial meteorology at the time of his death in 1969. William J. Hartnett, board chairman of Weather Corporation of America, provided funds for the scholarship. The Committee of Judges for Undergraduate Awards submits their recommendation to the Council for approval.

***The Paul H. Kutschenreuter Scholarship*** honors the late Paul H. Kutschenreuter, former deputy director of the U.S. Weather Bureau and a former deputy assistant administrator of the Environmental Science Service Administration. Kutschenreuter also served as the U.S. delegate to numerous World Meteorological Organization (WMO) meetings and served as President of the Commission of Synoptic Meteorology of the WMO for a four-year term. Kutschenreuter and his wife, Chris, have funded a \$5000 scholarship to be awarded annually. The Committee of Judges for Undergraduate Awards submits their recommendation to the Council for approval.

***The Dr. Pedro Grau Undergraduate Scholarship*** honors the late Pedro Grau y Triana. Medical doctor, legislator, original inventor, and businessman, Dr. Grau was a hardworking, globe-trotting researcher of human nature and historic events. Among his many interests were tropical hurricanes. Having gone through several very severe ones, he thought that every effort should be made to understand their nature and improve the forecasting. The scholarship is given by his daughter, Mrs. Manon Rodriguez. Mrs. Rodriguez also generously supports **The Guillermo Salazar Rodriguez Un-**

**dergraduate Scholarship**, in honor of her late husband. Mrs. Rodriguez has funded a \$2500 scholarship in each of the above names to be awarded annually over a period of four years in the interest of seeing more effort and resources devoted to atmospheric research.

*The AMS 75th Anniversary Scholarship* is funded through donations made by members to the AMS 75th Anniversary Campaign. The Council of the American Meteorological Society has approved the establishment and endowment of this \$2000 scholarship, which will be awarded annually. The Committee of Judges for Undergraduate Awards submits their recommendation to the Council for approval.

*The Mark J. Schroeder Scholarship in Meteorology* is funded by Mark and his wife Eve Schroeder. Schroeder, former research meteorologist of the U.S. Forest Service and the National Weather Service, could be considered one of the pioneers of fire meteorology. For over a quarter of a century, he literally worked on every facet of the fire meteorology program. After nearly 16 years on assignment to the U.S. Forest Service, he transferred to that agency in 1971 and retired from federal service in 1973. The endowed undergraduate scholarship in the amount of \$5000 will be awarded annually.

*The Richard and Helen Hagemeyer Scholarship* honors Richard and Helen Hagemeyer. Mr. and Mrs. Hagemeyer have served the weather industry by working at the National Oceanic and Atmospheric Administration and its predecessor agencies for more than 75 years. Mrs. Hagemeyer retired from the Weather Bureau in 1978. Mr. Hagemeyer is currently the director of the Pacific region of the National Weather Service. They have funded a \$3000 undergraduate scholarship to help fulfill a desire to support atmospheric and related oceanic sciences education.

*The Ethan and Allan Murphy Memorial Scholarship* honors the late Ethan and Allan Murphy, father and son, who each made a number of contributions to the field of meteorology throughout their individual careers. To honor these contributions and the memories of these two men, the family of Ethan and Allan Murphy has established a scholarship that will be augmented by contributions from interested individuals. The scholarship will support an undergraduate student who, through curricular or extracurricular activities, has evidenced an interest in weather forecasting or in the value and utilization of forecasts. The scholarship, to be endowed, will be awarded annually in the amount of \$2000.

*The Werner A. Baum Undergraduate Scholarship* honors the late Prof. Werner A. Baum, a national and international leader in meteorology. Baum was a strong advocate of the highest standards for education and research, and promoted those standards through administrative positions in universities and the government. The endowed undergraduate scholarship in the amount of \$5000 will be awarded annually.

*The John R. Hope Scholarship in Atmospheric Sciences* honors the contributions Tropical Expert John R. Hope has made at The Weather Channel (TWC) throughout his career as a meteorologist. Hope has been a tropical weather expert for the 17 years that TWC has been on the air. Officially retired for the past few years, he continues to provide around-the-clock coverage, as needed, during hurricane season. Permanently endowed by The Weather Channel, Inc., the scholarship will be presented annually in the amount of \$2500.

*The AMS/Industry Minority Scholarships* are intended to help support college education for minority students traditionally underrepresented in the sciences who intend to pursue careers in the atmospheric or related oceanic and hydrologic sciences. The two-year scholarships, which are funded through donations made by members to the AMS 75th Anniversary Campaign and industry, are for \$3000 per year. The scholarship is awarded to a student who will be entering his/her freshman year in college. The Executive Committee selects the awardees based on the recommendations of local chapters and an ad hoc committee.

*AMS/Industry/Government Graduate Fellowships* are sponsored by major high-technology firms and government agencies and are designed to attract promising young scientists to prepare for careers in the meteorological, oceanic, and hydrologic fields. The fellowships carry a \$15,000 stipend and are awarded to students entering their first year of graduate study. Awards are based on the applicant's performance as an undergraduate student and his or her qualifications to pursue a career in the atmospheric and related oceanic and hydrologic sciences. Selection is made by the Executive Committee.

*The AMS Graduate Fellowship in the History of Science* is awarded to a student wishing to complete a dissertation on the history of the atmospheric, or related oceanic or hydrologic sciences. The award carries a \$15,000 stipend and will

support one year of dissertation research. The goal of the graduate fellowship is to generate a dissertation topic in the history of the atmospheric, or related oceanic or hydrologic sciences, and to foster close working relations between historians and scientists. Fellowships are available to graduate students in good standing who propose to complete a dissertation as described above. *AMS/Industry Undergraduate Scholarships* are sponsored by leading environmental science and service corporations and are designed to encourage outstanding undergraduate students to pursue careers in the atmospheric and related oceanic and hydrologic sciences. The awards are \$2000 for a nine-month period and an additional \$2000 for a subsequent nine-month period in the senior year, and are available to students who will be juniors in the following academic year. The awards are based on merit and are given to students who have shown the potential for accomplishment in these fields. The Executive Committee selects the awardees based on the recommendations of the Committee of Judges for Undergraduate Awards.

*The Teaching Excellence Award* is to be given annually to an individual in recognition of sustained outstanding teaching and mentoring at the undergraduate and/or graduate levels. The AMS Board for Higher Education (BHE), in consultation with the Commissioner for Education and Human Resources, is responsible for overseeing the award process and formulating the selection committee. The selection committee, composed of two faculty members from primarily undergraduate institutions, two faculty members from institutions with graduate programs, and a current member of the BHE, will forward their recommendation (with a copy to the chair of the BHE) to the Commissioner for Education and Human Resources. The AMS Council will provide final approval of the award at their fall meeting. This award differs from the Anderson Award in that it recognizes excellence in educational activities in a more traditional setting (e.g., classroom and university). In contrast, the Anderson Award recognizes educational outreach and service.