cal understanding of relativistic explosions, gamma-ray bursts and the dynamics of solar system bodies."

Sidney Wolff, staff astronomer at the National Optical Astronomy Observatory in Tucson, Arizona, is the recipient of the AAS Education Prize for 2006 "for her extraordinary commitment to science education throughout her career, beginning with authoring an introductory textbook, and culminating in the first professional, refereed, astronomy education journal," the *Astronomy Education Review*. The citation also praised her championing of astronomy education and her leadership of the NOAO, AAS, and the Astronomical Society of the Pacific.

Three scientists share this year's Bruno Rossi Prize—the top award given annually by AAS's high-energy astrophysics division—for their work on developing an understanding of the exotic environment around fast-spinning neutron stars. The recipients are **Tod Strohmayer**, an astrophysicist at NASA's Goddard Space Flight Center in Greenbelt, Maryland; **Deepto Chakrabarty**, an associate professor of physics at MIT and a researcher at MIT's Kavli Institute for Astrophysics and Space Research; and **Rudy Wijnands**, a member of the University of Amsterdam's high-energy astrophysics group. They were awarded the prize "for their pioneering research which revealed millisecond spin periods and established the powerful diagnostic tool of kilohertz intensity oscillations in accreting neutron star binary systems."

The solar physics division of AAS is awarding the 2006 Karen Harvey Prize for accomplishment by a young scientist to **Steven Cranmer**, an astrophysicist in the solar, stellar, and planetary sciences division of the Harvard–Smithsonian Center for Astrophysics in Cambridge, Massachusetts. He is receiving the prize "for his major theoretical and observational contributions toward understanding the roles of waves and turbulence in heating and accelerating the solar wind."

James G. Williams of Caltech's Jet Propulsion Laboratory is receiving the 2006 Brouwer Award from AAS's division on dynamical astronomy "for his many outstanding contributions to celestial mechanics."

The historical astronomy division of AAS awards its LeRoy E. Doggett Prize for Historical Astronomy to **Steven J. Dick**, chief historian at NASA in Washington, DC. He receives the award "for his distinguished career and publication record," which has significantly increased understanding of the history of astronomy.

Spiro K. Antiochos receives the 2005 George Ellery Hale Prize from AAS's solar physics division "for his work on the thermodynamics and stability of coronal magnetic fields and for his outstanding public service to the solar research community." Antiochos is an astrophysicist at the E. O. Hulburt Center for Space Research at the Naval Research Laboratory in Washington, DC.

AGU Selects Winners of Three Journalism Awards

Dan Vergano of *USA Today*, **Michelle Nijhuis** of *High Country News*, and the *Times-Picayune* (New Orleans) are receiving the American Geophysical Union's 2006 journalism awards.

Vergano is receiving the David Perlman Award for Excellence in Science Journalism—News for his article "The Debate's Over: Globe Is Warming," *USA Today*'s cover story on 13 June 2005.

Nijhuis takes the Walter Sullivan Award for Excellence in Science Journalism—Features for a three-part series with the overall title "Hot Times: Global Warming in the West," which appeared on the front page of the western Colorado-based bimonthly newspaper *High Country News* on 24 January, 18 April, and 17 October 2005.

The *Times-Picayune*, a daily newspaper, will receive a special award for its coverage of scientific research demonstrating the vulnerability of New Orleans to hurricanes and other environmental impacts in the years prior to Hurricane Katrina, according to a statement by the AGU.

In choosing Vergano's *USA Today* article, the Perlman Award selection committee said, "Rather than rehashing the debate of the existence of global warming and the accuracy of predictive climate models, his exceptional article . . . propels us forward through an emerging realization of the global, severe societal impact of global warming to the harsh economic, moral, and technical realities facing industry and policy makers."

In recognizing Nijhuis's reporting in *High Country News*, the Sullivan Award selection committee said, "This series of articles did a particularly good job of combining science, policy, and human interest in telling the story of global warming from a regional perspective. . . . By writing a series of

articles on a common underlying topic, Nijhuis is able to illustrate the interdisciplinary nature of global warming research and its effect on nature."

The special AGU award to the *Times-Picayune* originated with a recommendation from AGU's public information committee, which praised the newspaper's efforts over a period of years to inform its readership about such matters as wetland preservation, land subsidence, levee reinforcement, storm surge, and hurricane prediction.

National Academy of Engineering Names New Inductees

The election of 76 new members and 9 foreign associates to the National Academy of Engineering brings the organization's total US membership to 2216 and its foreign associates to 186. Of the new members and associates, who will be inducted during the academy's 41st annual meeting in Washington, DC, this October, 20 are involved in physics-related work:

Ilesanmi Adesida, interim dean of the College of Engineering at the University of Illinois, Urbana-Champaign

Cristina H. Amon, Raymond J. Lane Distinguished Professor and director of the Institute for Complex Engineered Systems at Carnegie Mellon University in Pittsburgh, Pennsylvania

Dimitri A. Antoniadis, Ray and Maria Stata Chair of Electrical Engineering at MIT

Mark A. Barteau, Robert L. Pigford Professor and chair of the department of chemical engineering at the University of Delaware, Newark

Samuel Wright Bodman, secretary of the US Department of Energy

William J. Boettinger, research fellow at NIST in Gaithersburg, Maryland

Gary Harold Glover, professor of radiology and director of the Radiological Sciences Laboratory of Stanford University in Stanford, California

Michael D. Griffin, administrator of NASA

George M. Homsy, professor of mechanical and chemical engineering at the University of California, Santa Barbara

Frederick Jelinek, Julian Sinclair Smith Professor at Johns Hopkins University in Baltimore, Maryland

Thomas L. Koch, Daniel E. '39 and Patricia Smith Chair and director of the Center for Optical Technologies at Lehigh University in Bethlehem, Pennsylvania

James C. M. Li, professor of mechanical engineering at the University of Rochester in Rochester, New York

Hans Thomas Rossby, professor of oceanography at the University of Rhode Island in Narragansett

William S. Saric, professor of aerospace engineering at Texas A&M University in College Station

Ricardo B. Schwarz, fellow in the materials science and technology division at Los Alamos National Laboratory in Los Alamos, New Mexico

Ching Wan Tang, distinguished research fellow at Eastman Kodak Co in Rochester, New York

Vaclav Vitek, professor of materials science and engineering at the University of Pennsylvania in Philadelphia.

The following newly elected foreign associates are physicists or work in physics-related areas:

Jörg Imberger, professor of environmental engineering and chair of the Centre for Water Research at the University of Western Australia in Nederlands, Australia

Markus V. Pessa, professor and research director of the Optoelectronics Research Centre at Tampere University of Technology in Tampere, Finland

Anthony P. F. Turner, head of Cranfield University in Bedfordshire, UK.

NAS Honors Contributors to Science

Professors, researchers, and businessmen are among recipients of awards distributed by the National Academy of Sciences in recognition of outstanding scientific achievement. The organization is handing out the honors during its 143rd annual meeting this month in Washington, DC. Of the 15 receiving awards, 4 are involved in physics-related work.

The academy's most prestigious honor, its Public Welfare Medal, goes this year to **Norman R. Augustine**, retired chairman and CEO of Lockheed Martin Corp in Bethesda, Maryland, and head of the influential National Academies panel that authored the 2005 report "Rising Above the Gathering Storm," which warned of the growing need for the US to invest in science education and research. Augustine is receiving the honor "for contributions to the vitality of science in the United States by bringing to industry and government a better understanding of the crucial role that fundamental scientific research must play in our long-term security and economic prosperity."

David Goldhaber-Gordon, deputy director of the NSF-Stanford-IBM Center for Probing the Nanoscale in Stanford, California, and assistant professor of physics at Stanford University, is this year's recipient of the NAS Award for Initiatives in Research "for his fundamental studies of electron correlations in mesoscopic structures." The award is accompanied by $15 000.

Klaus Keil, interim dean at the School of Ocean and Earth Science and Technology at the University of Hawaii in Honolulu, is the recipient of the J. Lawrence Smith Medal "for his pioneering quantitative studies of minerals in meteorites and important contributions to understanding the nature, origin, and evolution of their parent bodies." He receives a medal and prize of $25 000.

The Mary Clark Thompson Medal is being handed out to **Steven M. Stanley**, a research professor in the geology and geophysics department at the University of Hawaii, "for research and leadership in bivalve functional morphology and the macroevolution of disparate animals, including hominids, in the context of Earth's physical and chemical history." He receives a medal and a prize of $15 000.

In Brief

The inventors of the CCD, the first practical solid-state imaging device, which revolutionized imaging technologies, have been jointly awarded the 2006 Charles Stark Draper Prize, one of engineering's top honors, by the National Academy of Engineering. **Willard S. Boyle** and **George E. Smith** were presented with the award at a February ceremony in Washington, DC, "for the invention of the charge-coupled device (CCD), a light-sensitive component at the heart of digital cameras and other widely used imaging technologies." The two men are sharing the $500 000 cash prize. Boyle is retired executive director of the communication science division at Lucent Technologies' Bell Laboratories and Smith is retired head of the VLSI device department at Bell Labs.