

Geophysicists Honored by AGU

The American Geophysical Union has announced the winners of its medals and awards for 2003.

The William Bowie Medal, AGU's most prestigious prize, goes this year to **Donald L. Turcotte**, professor of geology at the University of California, Davis. He was honored for his "outstanding contributions in many areas of geophysics and his unselfish cooperation," according to the award citation.

Gerard C. Bond, Doherty Senior Scholar at the Lamont-Doherty Earth Observatory of Columbia University, received the Maurice Ewing Medal for his "fundamental contributions to the understanding of tectonophysics, climate, and sea-level changes."

The John Adam Fleming medalist, **Christopher T. Russell**, was recognized for his "numerous original and significant contributions to a broad range of space sciences." Russell is a professor of geophysics and space physics in the department of Earth and space sciences and the Institute of Geophysics and Planetary Physics at UCLA.

The Harry H. Hess Medal recipient is **David L. Kohlstedt**, professor of geology and geophysics at the University of Minnesota, Twin Cities. Kohlstedt was honored for his "fundamental contributions to understanding the Earth's upper mantle rheology."

Shlomo P. Neuman received the Robert E. Horton Medal for his "theoretical and applied concepts leading to major advances in conceptual understanding of groundwater flow and transport processes." Neuman is the Regents' Professor in the department of hydrology and water resources at the University of Arizona, Tucson.

Francis A. Dahlen Jr., chair of the geosciences department at Princeton University, is the recipient of the Inge Lehmann Medal for his "fundamental theoretical advances laying the foundations of modern global seismology."

Kurt M. Cuffey, **Guido Salvucci**, and **Lianxing Wen** each earned a James B. Macelwane Medal, given to recognize significant contributions to the geophysical sciences by

outstanding young scientists. Cuffey is a professor of geography at the University of California, Berkeley, Salvucci is a professor with joint appointments in the Earth sciences and geography departments at Boston University and Wen is an assistant professor of geophysics at SUNY, Stony Brook.

Jean Jouzel, director of the Institut Pierre-Simon Laplace in Paris, collected the Roger Revelle Medal for his "pioneering and fundamental work in the field of geochemistry as applied to glaciology and climatology."

"His unselfish efforts to provide unclassified information to scientists in efforts to create new knowledge" garnered the Edward A. Flinn III Award for **Robert H. Higgs**, retired director of the geophysics department at the Naval Oceanographic Office in Stennis Space Center, Mississippi.

The Excellence in Geophysical Education Award was granted to **Jacob Bear** for his "outstanding support for both undergraduate and graduate education in hydrogeology through seminal textbooks" and for his "impact on many young professionals worldwide." Bear is a professor emeritus in the department of civil and environmental engineering at the Technion-Israel Institute of Technology in Haifa, Israel.

AAPT Announces Award Winners

The American Association of Physics Teachers has presented its medals and awards for 2003 for contributions to physics teaching and research.

The Oersted Medal, AAPT's highest honor given for notable contributions to the teaching of physics, went to **Edward W. Kolb**, a cosmologist in the theoretical astrophysics group at Fermilab and a professor of astronomy and astrophysics at the University of Chicago.

The Richtmyer Memorial Lecture Award went to **Margaret Murnane**, a fellow at JILA and a professor of physics at the University of Colorado at Boulder. Her award lecture was entitled "Can We Make Atoms Sing and Molecules Dance? Using Fast

Light Pulses to Observe and Control Nature."

The Klopsteg Memorial Lecture Award recipient was **Sylvester James Gates Jr.**, John S. Toll Professor of Physics at the University of Maryland, College Park. "Why Einstein Would Love Spaghetti in Fundamental Physics" was the topic of his award lecture.

Fred Goldberg, professor of physics in the Center for Research in Mathematics and Science Education at San Diego State University, received the Robert A. Millikan Award for his contributions as a leader in the field of physics education research.

Michael Zeilik won the Excellence in Introductory College Physics Teaching Award for his work as a pioneer in astronomy education research at the university level. He is a professor of physics and astronomy at the University of New Mexico in Albuquerque.

The Excellence in Pre-College Physics Teaching Award was given to **John Roeder**, a physics teacher at the Calhoun School in New York City, for his contributions to his school, the teaching profession, and the professional science community.

The association presented Distinguished Service Citations to the following members: **Patrick Callahan** (Delaware Valley Regional High School in Frenchtown, New Jersey); **Wolfgang Christian** (Davidson College in Davidson, North Carolina); **Alexander Dickson** (Seminole Community College in Sanford, Florida); **Richard Smith** (retired from the University of West Florida in Pensacola); and **Larry Martin** (North Park University in Chicago), whose citation was awarded posthumously.

Astronomer Wins a Balzan Prize

At a ceremony on 7 November in Bern, Switzerland, the International Balzan Foundation is bestowing four Balzan Prizes, including one to **Reinhard Genzel** in the category of infrared astronomy. Every year, the foundation awards four Balzan Prizes, two in the sciences and two in the humanities, in various categories.