J. Michael Brown, chair of the earth and space sciences department at the University of Washington, received the Louis Néel Medal. He was cited for his "distinguished work in devising sophisticated experiments to infer the physical properties of iron and deep Earth materials and for his outstanding contributions to mineral physics of the Earth's core."

The Hans Oeschger Medal went to **Philip D. Jones** for his "outstanding contribution and tireless effort in reconstructing the climate of the last 250 years at global and regional scales." He is the director of external affairs at the University of East Anglia's climatic research unit in Norwich, UK.

The EGS presented its Plinius Medal to **Emmanouil N. Anagnostou,** assistant professor with the University of Connecticut's department of civil and environmental engineering. He was honored for his "outstanding achievements in combining meteorology and hydrology to improve our knowledge and understanding of natural hazards."

This year's Lewis Fry Richardson medalist was **Friedrich H. Busse,** professor of theoretical physics at the University of Bayreuth in Germany. He was acknowledged for his "imaginative contributions to the understanding of nonlinear thermal convection and his models for the geodynamo."

William K. Hartmann and **Gerhard Neukum** jointly received the Runcorn–Florensky Medal for their "outstanding contributions to the determination of the age of planetary surfaces from the frequency distribution of impact craters." Hartmann is a senior scientist at the Planetary Science Institute in Tucson, Arizona. Neukum is a professor of planetary science at the Free University of Berlin and the director of the DLR Institute of Space Sensor Technology and Planetary Exploration in Berlin.

Franco Siccardi, professor of civil engineering at the University of Genoa in Italy, received the Sergey Soloviev Medal. He was cited for his "distinguished and pioneering work in the understanding, prediction, and mitigation of natural hazards, and his efforts to promote their interdisciplinary approach."

The EGS handed out its Young Scientists' Publication Award to **Emma J. Bunce** for her paper with Stan Cowley entitled "Divergence of the Equatorial Current in the Dawn Sector of Jupiter's Magnetosphere: Analysis of Pioneer and Voyager Magnetic Field Data," which appeared in *Planetary and Space Science* in 2001. Bunce is a planetary science research associate in the radio and space plasma physics group at the University of Leicester, UK.

TMS Presents Its Awards for 2002

During its annual meeting in Seattle, Washington, this past February, the Minerals, Metals, and Materials Society presented this year's awards.

John M. Poate, vice president and chief technology officer of Axcelis Technologies in Beverly, Massachusetts, received the John Bardeen Award. He was cited for "the development of ion beam techniques for the analysis and modification of new surface properties of several classes of electronic materials."

The Bruce Chalmers Award went to **Michel Rappaz**, professor at the Ecole Polytechnique Fédérale de Lausanne in Switzerland. Rappaz was recognized for his "outstanding contribution to the numerical modeling of microstructures coupled with macroscopic models of heat and mass transport in modern solidification processing."

Frans Spaepen, Gordon McKay Professor of Applied Physics at Harvard University, received the Institute of Metals Lecture & Robert Franklin Mehl Award. The award recognizes an "outstanding scientific leader who is selected to present a lecture at the annual meeting." His talk was entitled "The Structure of Liquids and Solid–Liquid Interfaces."

The recipients of the Champion H. Mathewson Award were **Man H. Yoo** and **C. L. Fu** for their paper entitled "Physical Constants, Deformation Twinning, and Microcracking in Titanium Aluminides" in *Metallurgical and Materials Transactions*. The award is given to "the author(s) of a paper considered the most notable contribution to metallurgical science." Both are research staff members at Oak Ridge National Laboratory.

NAS Elects New Members

At the 139th annual meeting of the National Academy of Sciences in April, 72 new members were elected, bringing the total number of active members to 1907. Also elected were 15 foreign associates from 12 countries; the election raised the number of foreign associates to 330. Among the newly elected members are

Boris L. Altshuler, professor of physics at Princeton University and physics research fellow at the NEC Research Institute in Princeton, New Jersey

Barry C. Barish, Ronald and Maxine Linde Professor of Physics and director of the Laser Interferometer Gravitational Wave Observatory (LIGO) at Caltech

Jacqueline K. Barton, Arthur and Marian Hanisch Memorial Professor of Chemistry at Caltech

Adriaan Bax, biophysical nuclear magnetic resonance spectroscopy section chief at the National Institutes of Health in Bethesda, Maryland

Carlos Bustamante, Howard Hughes Investigator, professor of molecular and cell biology, and professor of physics at the University of California, Berkeley

John E. Carlstrom, Subramanyan Chandrasekhar Distinguished Service Professor in the astronomy and astrophysics department and in the physics department at the University of Chicago

George H. Denton, Libra Professor of Geological Sciences and member of the Institute for Quaternary and Climate Studies at the University of Maine in Orono

Jennifer A. Doudna, Howard Hughes Investigator and Henry Ford II Professor of Molecular Biophysics and Biochemistry at Yale University

John P. Grotzinger, Shrock Professor of Earth Sciences and director of the Earth Resources Laboratory at MIT

Willy Haeberli, R. G. Herb Distinguished Professor of Physics and Harry Steenbock Professor of Physical Sciences at the University of Wisconsin–Madison

Charles B. Harris, professor of chemistry at the University of California, Berkeley

H. Jeff Kimble, William L. Valentine Professor and professor of physics at Caltech

Eric I. Knudsen, chair of the neurobiology department and Edward C. and Amy H. Sewall Professor in the medical school at Stanford University

Michael Levitt, chair of the structural biology department at Stanford University

Tom C. Lubensky, Mary Amanda Wood Professor of Physics and chair of the physics and astronomy department at the University of Pennsylvania

Alan G. MacDiarmid, Blanchard Professor of Chemistry at the University of Pennsylvania