

WE HEAR THAT

National Academy Adds New Members

The National Academy of Engineering has elected 60 new members and 15 foreign associates. Among the new members are the following, working in physics-related fields:

Alexei Abrikosov, a Distinguished Argonne Scientist and leader of the condensed matter theory group at Argonne National Laboratory.

Roger Angel, a Regents Professor at the University of Arizona's Steward Observatory.

Marsha Berger, a professor of computer science and mathematics and associate director of the Courant Institute of Mathematical Sciences at New York University.

Howard Brenner, the Willard H. Dow Professor in MIT's department of chemical engineering.

Robert Byer, a professor of applied physics and director of the Center for Nonlinear Optical Materials at Stanford University.

Moses Chan, the Evan Pugh Professor of Physics at the Pennsylvania State University.

Rita Colwell, director of the National Science Foundation.

Eric Cornell, a senior scientist at the National Institute of Standards and Technology in Boulder, Colorado, and a fellow of JILA and a professor adjunct at the University of Colorado at Boulder.

Francis Dahlen Jr., a professor of geophysics at Princeton University.

Kenneth Eisenthal, a professor of chemistry at Columbia University.

Jean Fréchet, a professor of chemistry at the University of California, Berkeley.

Martha Haynes, a professor of astronomy at Cornell University.

Arthur Jaffe, the Landon T. Clay Professor of Mathematics and Theoretical Science at Harvard University.

William Jury, a professor of soil physics at the University of California, Riverside.

James Kennett, a professor of geological sciences at the University of California, Santa Barbara.

Robert Kraichnan, president and principal investigator of Robert H. Kraichnan Inc, Santa Fe, New Mexico.

Roderick MacKinnon, a professor of neurobiology and biophysics at Rockefeller University and an investigator at the Howard Hughes Med-

ical Institute.

David Nygren, a distinguished scientist at Lawrence Berkeley National Laboratory.

George Papanicolaou, the Robert Grimmett Professor of Mathematics at Stanford University.

Walter Pitman III, an adjunct professor at Columbia University's Lamont-Doherty Earth Observatory.

Akkihebal Ravishankara, program leader of the atmospheric chemical kinetics group at the National Oceanic and Atmospheric Administration.

Douglas Rees, a professor of chemistry at Caltech and an investigator at the Howard Hughes Medical Institute.

Sean Solomon, director of the department of terrestrial magnetism at the Carnegie Institution of Washington.

Leonard Susskind, a professor of physics at Stanford University.

Rainer Weiss, a professor of physics at MIT.

The newly elected foreign associates include the following:

Reinhard Genzel, director of the Max Planck Institute for Extraterrestrial Physics in Garching, Germany.

Roddam Narasimha, director of the National Institute of Advanced Studies and ISRO K. R. Ramanathan Distinguished Professor at the Indian Institute of Science and Jawaharlal Nehru Center for Advanced Scientific Research in Bangalore, India.

A. M. Celal Sengor, a professor of geology at Istanbul Technical University, Turkey.

Nicholas Shackleton, an ad hominem professor of earth sciences at the University of Cambridge and director of the Godwin Institute for Quaternary Research in Cambridge, UK.

Akira Tonomura, senior chief research scientist at Hitachi Ltd's Advanced Research Laboratory in Hatoyama, Japan.

Martinus Veltman, the MacArthur Professor of Theoretical Physics emeritus at the University of Michigan.

IN BRIEF

Last month, **Jacques Vanier** received the 1999 IEEE Instrumentation and Measurement Society Award for technical achievement. An associate professor of physics at the University of Montreal, he was cited for "outstanding contributions to and leadership in the science of metrology

and for dedication to the Instrumentation and Measurement Society."

Among the ten inductees into the National Inventors Hall of Fame last September were **Gerhard M. Sessler** and **James E. West**. They were honored for their work at Bell Laboratories in the 1960s in developing the foil electret microphone.

Larry Smarr is leaving the University of Illinois at Urbana-Champaign this month to become a professor of computer science and engineering at the University of California, San Diego. Smarr was the founding director of both the National Center for Supercomputing Applications and the National Computational Science Alliance.

At the International Conference on Plasma Science in New Orleans last month, **Melissa Douglas** received the 1999 Early Achievement Award from the Nuclear and Plasma Sciences Society of the Institute of Electrical and Electronic Engineers. A researcher at Sandia National Laboratory, she was recognized for her computer simulations that help design the targets of Sandia's Z machine.

Gordon Cates will be leaving Princeton University for the University of Virginia, where, in September, he will begin a joint appointment in the physics department and the medical school.

Michael Riordan and **Lillian H. Hoddeson** have been awarded the Sally Hacker Prize by the Society for the History of Technology for their book, *Crystal Fire: The Birth of the Information Age* (Norton, 1997). Riordan, a 1999–2000 Guggenheim fellow, is a physicist at the Stanford Linear Accelerator Center and an adjunct professor of physics at the University of California, Santa Cruz. Hoddeson, a 2000–01 Guggenheim fellow, is a professor of history and a senior researcher in physics at the University of Illinois at Urbana-Champaign, as well as the Fermilab historian.

In April, **Bill Appleton**, former deputy director for science and technology at Oak Ridge National Laboratory, became the director of Harvard University's Center for Imaging and Mesoscale Structures.

Duncan T. Moore, White House adviser on technology policy and former president of the Optical Soci-