GELFAND, WISDOM AMONG 1994 MacARTHUR FELLOWS

The 20 MacArthur Fellows announced in June included **Israel Moseevich Gelfand** and **Jack Wisdom.** The fellowships—five-year grants that range from $235 000 to $375 000—are meant to honor highly creative individuals in a wide spectrum of disciplines.

Gelfand is a distinguished visiting professor in the departments of mathematics and biology at the Center for Mathematics, Science and Computer Education and the Institute for Discrete Mathematics and Computer Science at Rutgers University, New Jersey. According to the MacArthur Foundation's announcement, Gelfand is "a crucial figure in twentieth-century mathematics." The statement goes on to say that in 1992 he founded the Gelfand Outreach Program, which fosters mathematical excellence in high school students.

Wisdom is a professor of physics in the department of Earth, atmospheric and planetary sciences at MIT. The announcement notes that "Wisdom's work has advanced the understanding of solar system dynamics. Introducing new methods to the study of dynamical problems, he has obtained important and widely cited results that create new insights into order and predictability in the laws of nature."

LAUTERBUR GARNERS 1994 KYOTO PRIZE

The Inamori Foundation of Kyoto, Japan, has given its 1994 Kyoto Prize in Advanced Technology, worth over $400 000, to **Paul Christian Lauterbur,** director of the Biomedical Magnetic Resonance Laboratory at the University of Illinois College of Medicine at Urbana–Champaign. Lauterbur is also a professor in the departments of medical information science, chemistry, biophysics, bioengineering, and at the univeristy's Center for Advanced Study. In announcing his selection the foundation noted Lauterbur's proposal of the basic principles of magnetic resonance imaging. Lauterbur, the foundation continued, "confirmed experimentally the feasibility of mri and laid the foundations for its advancement and also developed many related technologies."

The 1993 winner of the Kyoto Prize was **Jack St. Clair Kilby,** chief technical officer at the Houston Advanced Research Center in The Woodlands, Texas. According to the foundation, Kilby was "the first in the world to propose and corroborate the fundamental concept of the monolithic semiconductor integrated circuit that laid the foundation for today's leading-edge technology of the LSI and VLSI chips."

IN BRIEF

The new head of the instrumentation and operations division of the Francis Bitter National Magnet Laboratory at MIT is **William A. Fietz.** He succeeds **Larry Rubin,** who retired in 1993 and is now an MIT visiting scientist and adviser to the high-field facility. Fietz had been the head of the cryogenics department in the accelerator division of the Superconducting Super Collider in Waxahachie, Texas.

Vanderbilt University in Nashville, Tennessee, has two new additions to its physics department. **Sokrates T. Pantelides,** formerly of IBM's Thomas J. Watson Research Laboratory, in Yorktown Heights, New York, is now the McMinn Professor of Physics, and **S. Victoria Greene,** who had been at the University of Colorado, Boulder, is an assistant professor of physics.

At the 1994 annual meeting of the Canadian Association of Physicists in Regina, Saskatchewan, the Herzberg Medal for outstanding scholarship by a physicist under 40 was presented to **Jeff Young** of the University of British Columbia. Young was cited for "research in semiconductors using ultrafast optical techniques and for his research in the many quantum properties of nanostructures." Also at the meeting, **Gordon F. Drake** received the CAP Medal for Achievement in Physics. Drake, from the University of Windsor, was recognized for "his many accomplishments in atomic structures, especially in helium and other two-electron ions, including U^{90+} [a uranium atom stripped of all but two electrons]."

Jerry B. Torrance has become the industrial liaison for the materials science division of the Lawrence Berkeley Laboratory. He moved to LBL from the IBM Almaden Research Center, in San Jose, California, where he had been a manager and research staff member.

Moving from the IBM Zurich Research Laboratory in Rüschlikon, Switzerland, **Eric Courtens** has become a professor of physics at the University of Montpellier II, France. He had been director of the physics department at the Zurich lab.

"In recognition of their development of the MRC-600 series laser-scanning confocal imaging system," the Royal Society has given its 1994 Mullard Award to **John White, Brad Amos, Richard Durbin** and **Michael Fordham**. The award honors scientific or technical developments that lead directly to national prosperity in the UK. White is director of the Integrated Microscopy Resource at the University of Wisconsin, Madison, while the other three work at the Laboratory of Molecular Biology of the Medical Research Council, in Cambridge, England. Amos and Durbin are research staff members, and Fordham is head of engineering workshops.

Verner E. Suomi was honored with the International Meteorological Organization Prize for "establishing the field of satellite meteorology, inventing the spin–scan weather camera and inventions designed to measure the Earth's heat budget." Suomi is