

spite promising applications.

"Solid bodies far removed from equilibrium" is the theme of the *Sonderforschungsbereich* set up at Göttingen. It will be dedicated to the study of disordered systems, including nonlinear processes in microelectronics and glasses.

West Germany's program of special research areas originated in 1968 with the designation of 17 *Sonderforschungsbereiche*. By 1989 there were a total of 167 special research areas—24 in physics—with aggregate annual funding of around 350 million marks. Of 299 special research areas designated in the first 20 years of the program, 132 had completed their missions by 1989.

The latest designations bring the current number of special research areas to 175, of which 26 are in physics.

FRG ESTABLISHES INSTITUTE FOR SILICON TECHNOLOGY

West Germany's Fraunhofer Society, which supports applied research, has established an Institute for Silicon Technology in Itzehoe, a town near Munich that also happens to be headquarters for the Joint European Submicron Silicon Initiative (see *PHYSICS TODAY*, March, page 67). Germany's Federal Ministry for Research and Technology has committed 1 billion marks—more than \$500 million—to the JESSI program, and the Itzehoe institute will be devoted partly to work in support of JESSI.

Anton Heuberger, currently a member of the Fraunhofer Institute for Microstructure Technology in Berlin, has been named first head of the Institute for Silicon Technology. The institute is slated to have a staff of 400, including 160 research scientists. About two-thirds of the institute's work is to be dedicated to internally funded basic research, and about one-third to externally funded contracts and grants.

Work is to cover the gamut of silicon-based microelectronics, but probably the most important single effort will be in x-ray lithography.

PHYSICS TEACHERS FORM MACINTOSH USERS GROUP

A users group has been formed for those who use a Macintosh personal computer for teaching physics. Called the Physics Educators Macin-

tosh Users Group, the group is headed by Robert Fuller of the University of Nebraska, Lincoln, and David Winch of Kalamazoo College in Michigan. The new users group plans to hold regional and national meetings at which members can swap information on Macintosh-based educational products and procedures and keep abreast of system upgrades, new software and hardware, and other product improvements. A newsletter, edited by Curtis Hieggelke of Joliet Junior College, is sent to members.

The group's recent approval as an affiliated organization of the American Association of Physics Teachers entitles it to participate in AAPT meetings. The group has also been recognized by Apple Computer Inc as an official users group. It is the first national Macintosh users group.

So far, about 120 physics educators in colleges and high schools have joined. The next national meeting of the users group will be held during the AAPT summer meeting in Minneapolis and will include a poster session and meeting session.

To join, send a \$10 check payable to Kalamazoo College to David Winch, Kalamazoo College, Kalamazoo MI 49007.

RALEIGH LEAVES LAMONT-DOHERTY FOR HAWAII

Barry Raleigh has been named the first dean of the newly established School of Ocean and Earth Science and Technology at the University of Hawaii's Manoa campus. Raleigh left his job as director of Columbia University's Lamont-Doherty Geological Observatory in Palisades, New York, last October to accept the new position.

The new school is intended to be a centerpiece of the University of Hawaii's scientific research program, Raleigh says. "People here are fascinated with the ocean, not just as a playground or something nice to look at, but also in terms of resources and development," he told us. "The commitment to the school reflects that attitude."

The state and Federal governments are each contributing \$20 million for facilities to house the new school, which includes departments of oceanography, meteorology, geology and geophysics, and ocean engineering, as well as three research institutes: the Hawaii Institute of Geophysics, the Hawaii Institute of Marine Biology and the Hawaii Natural Energy Institute. The school now employs 125

scientists and engineers, with an additional 15 faculty positions to be created over the next two to three years.

Raleigh had directed Lamont-Doherty for eight years prior to his move to Hawaii. From 1966 to 1981 he was with the US Geological Survey in Menlo Park, California. Raleigh received his PhD in geophysics from the University of California, Los Angeles, in 1963.

A search committee headed by Charles Langmuir, a geochemist at Lamont-Doherty, has been formed to find a replacement for Raleigh. Dennis B. Kent, a senior scientist who specializes in paleomagnetism, is serving as interim director.

AAS ELECTS NEW VICE PRESIDENT AND OTHER OFFICERS

Paul W. Hodge, chairman and a professor of the astronomy department at the University of Washington, has been elected to a three-year term as vice president of the American Astronomical Society. Hodge replaces J. Roger Angel of the University of Arizona and joins the two current vice presidents, Frank H. Shu of the University of California, Berkeley, whose term ends in 1991, and Harvey D. Tananbaum of the Harvard-Smithsonian Center for Astrophysics, whose term ends in 1992.

The terms for Hodge and the other newly elected officers begin in June. At the same time, John N. Bahcall of the Institute for Advanced Study will begin his two-year term as AAS president (see *PHYSICS TODAY*, December, page 58).

In other election results, C. R. O'Dell of Rice University was elected to a three-year term as treasurer; he had previously been appointed to that office in 1988 after Leonard V. Kuhl resigned. The three newly elected councillors are Harriet L. Dinerstein of the University of Texas at Austin, Marcia J. Rieke of the University of Arizona, and Paul A. Vanden Bout of the University of California, Berkeley. Catharine D. Garmany of the University of Colorado was elected to the five-member nominating committee. Catherine A. Pilachowski of Kitt Peak National Observatory was elected to a three-year term as chair of the publications board.

In addition, Robert E. Williams, director of the Cerro Tololo Inter-American Observatory, was chosen to serve on the US National Committee for the International Astronomical Union as one of three AAS-elected