

defense research and engineering staff at the Pentagon from 1961 to 1965; deputy director of special projects, office of the secretary of the Air Force, from 1965 to 68; director of space systems from 1968 to 1970; and director of special projects from 1971 to 1973. From 1973 to 1977 Allen was the director of the National Security Agency; from 1977 to 1978 he was commander of the Air Force Systems Command, US Air Force; and from 1978 to 1982 he was Air Force chief of staff.

IN BRIEF

The Optical Society of America is offering an updated guide to optics courses and programs at North American colleges and universities. The 1990 version covers 575 schools. Single copies are available free from Evelyn Roberts, OSA Technical Activities Manager, 2010 Massachusetts Avenue NW, Washington DC 20036. A second guide listing 100 optics education programs, *Optics Education*, is available from the International Society for Optical Engineering, P.O. Box 10, Bellingham WA 98227-0010.

Astrophysicists in Madrid have translated and circulated a statement opposing astrology. Written by Bart

J. Bok of the University of Arizona, Lawrence E. Jerome, a science writer, and Paul Kurtz of the State University of New York at Buffalo, the statement has attracted signatures from 258 Spanish astronomers and astrophysicists, on top of 192 American signatures. The statement says that the continued dissemination of astrology "can only contribute to the growth of irrationalism and obscurantism."

Roger Blin-Stoyle has succeeded Cyril Hilsum as president of Britain's Institute of Physics, and Alun Jones has succeeded Louis Cohen as chief executive. Blin-Stoyle previously was founding science dean at the University of Sussex and, before that, a fellow and lecturer in physics at Wadham College, Oxford. Jones previously was director of the Wolfson Foundation and, before that, assistant director of the Technical Change Center and deputy editor of *Nature*.

The *Journal of Vacuum Science and Technology*, a publication of the American Vacuum Society, has expanded its coverage to include nanometer structures. The new subtitle of *JVST B* is *Microelectronics and Nanometer Structures/Processing, Measurement and Phenomena*.

Anton Menth of the University of Zurich has succeeded Jean-Pierre Blaser as director of Switzerland's

Paul Scherrer Institute in Villigen-Würenlingen. The institute originated in 1988 in a merger of the Swiss Institute for Nuclear Research (SIN) and the Confederate Institute for Reactor Research (EIR).

Japanese bibliographic databases containing references to both Japanese-language and foreign-language publications may now be accessed free of charge, via a service provided by the National Science Foundation, by calling (202) 357-7278 between 1 and 4 pm eastern daylight time or by sending a message by electronic mail to nacsis@nsf.gov (INTERNET) or nacsis@NSF (BITNET).

Austria has joined Switzerland and Spain as a "scientific partner" in Grenoble's Laue-Langevin Institute. Scientific partners contribute a relatively minor proportion of the institute's budget but are entitled to initiate research projects on the same terms as ILL's main partners, France, Germany and Great Britain.

An "official optics discovery kit," intended primarily for use in grades 6 through 9, is available from the Optical Society of America. A classroom set of the kits contains 16 kits, a teacher's manual and a reproducible student guide. Individual kits sell for \$10 plus \$2 for shipping and handling, and the classroom set costs \$99 plus \$6. Write to Technical Activities Manager, OSA, 2010 Massachusetts Avenue NW, Washington DC 20036.

Network: Computation in Neural Systems, a new quarterly journal published by Britain's Institute of Physics in association with the American Institute of Physics, was launched in January. Daniel J. Amit of the Hebrew University of Jerusalem is honorary editor. Editorial correspondence may be addressed to IOP Publishing Ltd, Techno House, Redcliffe Way, Bristol BS1 6NX, United Kingdom. The subscription price in North America is \$180 per annum, and orders may be addressed to Subscriber Services, American Institute of Physics, 500 Sunnyside Boulevard, Woodbury NY 11797-2999.

The Materials Research Society, an affiliated society of the American Institute of Physics, has established an office of public affairs in the same building in Washington, DC, where AIP, The American Physical Society and the American Geophysical Union maintain offices. The address is 2000 Florida Avenue NW, Washington DC 20009. ■



'Chaotic' swirls and eddies like those found in the Earth's atmosphere are created by spinning the kinetic sculpture by Paul Matisse. The sculpture is on display at the Franklin Institute's \$72 million Futures Center, which opened last May in Philadelphia. The center, which has been billed as the first museum dedicated to the science and technology of the future, houses exhibits on the global environment, energy and robotics.