

a prominent part in work on naval nuclear propulsion systems and has won national recognition for his role in the development of the nuclear submarine. He is also regarded as an important contributor to civilian nuclear power technology through his leadership in the project which produced the Shippingport Pressurized Water Reactor.

Since 1947 Rickover has served in the double capacity of manager, naval reactors for the AEC and assistant chief for nuclear propulsion in the Navy's Bureau of Ships. Rickover has also gained wide public notice as a critic of education and has written a number of articles and three books on the subject.

The naming of Rickover as recipient of the Fermi award marks a change in award criteria, so that not only scientific achievement may be recognized, as in the past, but also contributions to engineering and technical management in the development of atomic energy. Other winners of the award, besides the original recipient, for whom the award was named, have been John von Neumann, Ernest O. Lawrence, Eugene Wigner, Glenn T. Seaborg, Hans A. Bethe, Edward Teller, and J. Robert Oppenheimer.

The commission also decided to reduce the annual award to the level of \$25,000—the sum of the original award to Fermi—from the \$50,000 of other years. Both the change in the monetary award and the broadening of criteria are regarded as having been influenced by a move made early this year in Congress by the Joint Committee on Atomic Energy to exert stronger control over the prize (*Science*, 20 March).

—JOHN WALSH

## Announcements

A **Yale-Columbia observatory**, financed by a \$750,000 grant from the Ford Foundation, has been established at El Leoncito, in western Argentina. The program will be similar to one being carried out in the Northern Hemisphere at the University of California's Lick Observatory at Mt. Hamilton, California. The installation will open a great portion of the southern sky to accurate measurements of stellar motion that are impossible from the Northern Hemisphere, increasing the value of data obtained by the Lick instrument. The telescopes will overlap in an area of about one-third of

the sky. Because of the slow movement of the stars against the background of galaxies, it is estimated that 25 years will be required to make precise measurements of the motions. Between observations, the astrograph (a twin-lensed, wide-angle telescope) will be used for other studies, such as measurement of faint nearby stars, observation of selected asteroids, and observations of planetary satellites, particularly those of Jupiter and Saturn.

The observatory is operated by a board of directors appointed from the two universities. The research program is directed by Dirk Brouwer, chairman of the Yale department of astronomy and director of the Yale Observatory, and Lodewyk Woltjer, chairman of the Columbia department of astronomy and director of that university's Rutherford Observatory. Further information on the project is available from either.

## Meeting Notes

A call for papers for the Sixth Symposium on **Engineering Aspects of Magnetohydrodynamics** has been issued. The symposium is scheduled 21–23 April in Pittsburgh, Pennsylvania, and will be sponsored by the American Society of Mechanical Engineers, the Institute of Electrical and Electronics Engineers, the American Institute of Aeronautics and Astronautics, the University of Pittsburgh, and the Carnegie Institute of Technology. Topics to be covered include: magnetohydrodynamic power generation and propulsion, controlled thermonuclear plasmas, flight magneto-aerodynamics, plasma properties and diagnostics, plasma waves and oscillations, and components and materials for magnetohydrodynamic purposes. Deadline for 800-word abstracts for 20-minute presentations: *14 December*. Deadline for 800-word abstracts for 10-minute presentations: *11 January*. (E. Reshotko, Program Chairman, Division of Engineering, Case Institute of Technology, Cleveland, Ohio 44106)

The 27th national meeting of the **Operations Research Society of America** is scheduled 6–7 May in Boston, Massachusetts. Papers are invited in the general fields of modern statistical decision theory, stochastic models in marketing, structure of investment decisions, systems engineering and operations research, practical theories of inventory control, operations research

in real-time computer systems, design of command and control systems, transportation system, earth sciences applications in operations research, and experimentation in operations research. Deadline for 200-word abstracts in duplicate: *1 January*. (David M. Boodman, Arthur D. Little, Inc., Acorn Park, Cambridge, Mass. 02140)

Papers are being solicited for a symposium on **Terrestrial Radioecology**, sponsored by the U.S. Atomic Energy Commission's division of biology and medicine. It is scheduled 3–5 May in Richland, Washington. Topics to be included are the status of environmental radiation and radioactivity; radionuclides in the first trophic level; cycling and redistribution of radionuclides by ecological processes; recent developments in methods for investigating ecological problems; effects of radiation on plant populations; and effects of radiation on animal populations. Deadline for 100- to 200-word abstracts: *15 December*. (Frank P. Hungate, Symposium Chairman, Biology Department, Battelle Memorial Institute, Pacific Northwest Laboratory, Richland, Washington 99352)

The American Institute of Aeronautics and Astronautics will sponsor a **propulsion specialists** conference 14–18 June in Colorado Springs, Colorado. Papers are being solicited for the conference, and topics to be included are the following series: air breathing propulsion, liquid rocket propulsion, nuclear propulsion, propellants and combustion, and solid rocket propulsion. Deadline for 500- to 1000-word abstracts in duplicate: *4 January*. (Carl Builder, Aerospace Corporation, 2400 East El Segundo Boulevard, El Segundo, California)

The theme of the second space congress sponsored by the Canaveral Council of Technical Societies will be "**New Dimensions in Space Technology**." It is scheduled 5–7 April at Cocoa Beach, Florida, and papers are being solicited in all aspects of space science in the areas of systems, equipment, techniques, and associated fields. Deadline for 100-word abstracts and 500- to 1000-word summaries, in quadruplicate, together with author's position, title, affiliation, and brief biography: *1 January*. (L. E. Mertens, RCA-Missile Test Project, M. U. 741, Bldg. 423, Patrick AFB, Florida)

(Continued on page 1202)

## NEWS AND COMMENT

(Continued from page 1150)

Papers are invited for presentation at the tenth annual meeting of the **Health Physics Society**. The meeting is scheduled 14–17 June in Los Angeles. Deadline for receipt of abstracts or completed papers: *1 February*. (W. S. Snyder, Health Physics Division, Oak Ridge National Laboratories, Oak Ridge, Tenn.)

### Scientists in the News

**Arthur Hail Keeny**, formerly associate professor of ophthalmology, NIH training program director, and director of ophthalmic research at the University of Louisville, has been appointed ophthalmologist-in-chief at the Wills Eye Hospital of Philadelphia.

**William Meng Duke**, formerly president of International Telephone and Telegraph Federal Laboratories, has been named president of the Whittaker Corporation in Los Angeles. Duke succeeds **William R. Whittaker**, who remains chief executive officer.

**Haldan Keffer Hartline**, professor at the Rockefeller Institute, has been awarded the annual Albert A. Michelson Award at Case Institute of Technology, for "noteworthy research on sense organs and how they relate the behavior of animals to their physical environment and especially for classical discoveries in the physics and biology of visual perception." The award carries with it a grant of \$5000 and a plaque.

**Richard H. Daggy**, formerly medical director for the Arabian American Oil Company in Dhahran, Saudi Arabia, has been appointed lecturer in tropical public health and assistant dean for international programs at Harvard University's School of Public Health.

At Vanderbilt University :

**Robert Keith Rhamy**, formerly associate professor of urology at Indiana University Medical Center, has been named professor of urology and chief of the division of urology at the School of Medicine;

**Paul Hutchins Ward** has been named professor of otolaryngology and chief of the division. He had been assistant professor of otolaryngology at the University of Chicago.

**Edgar J. Poth**, chief of the division of general surgery at the University of Texas medical branch, has been named the school's first Ashbel Smith Professor of Surgery. The professorships, established this fall at the university, are named in memory of the chairman of the university's first board of regents.

**Theodore E. Woodward**, professor and head of the department of medicine at the University of Maryland school of medicine, is on a year's sabbatical leave to direct the overseas base of the university's Institute of International Medicine in Lahore, West Pakistan. His research will include fevers of unknown origin and an expansion of study into chloromycetin in the treatment of various forms of bacterial meningitis.

**Wilbur E. Deacon**, director of the Venereal Disease Research Laboratory at the Communicable Disease Center of the U.S. Public Health Service, Atlanta, Georgia, has been named the recipient of the Kimble Methodology Award, for his development of fluorescent antibody methods for the detection of venereal diseases. The award, given annually by the Conference of State and Provincial Public Health Laboratory Directors, carries with it \$2500 and a sterling silver plaque.

**Samuel B. Salvin**, scientist-director at the Rocky Mountain Laboratory of the National Institute of Allergy and Infectious Diseases, has retired from the Public Health Service.

**Leo C. Levitt** has joined the faculty of Georgetown University in Washington, D.C., as associate professor of physics. He was formerly a staff scientist at North American Aviation, Inc.

At Duke University:

**Unnsteinn Stefánsson**, formerly an oceanographer with the department of fisheries of the University Research Institute at Reykjavik, has been appointed adjunct professor of zoology;

**Stephen A. Wainwright** has become associate professor of zoology. He had been on the staff of the Woods Hole Oceanographic Institute.

**Earl A. Gulbransen**, advisory scientist at the Westinghouse Research Laboratories, Pittsburgh, Pa., has received the Electrochemical Society's Edward Goodrich Acheson Award for his "out-

standing contributions to electrochemistry." The award, which consists of a gold medal and a \$1000 prize, is the highest given by the Society.

**Camden A. Coberly**, formerly chief engineer for the Mallinckrodt Chemical Works, has been appointed professor of engineering at the University of Wisconsin's Engineering Station, College of Engineering.

**Robert A. Aldrich**, director of the National Institute of Child Health and Human Development, has returned to the University of Washington Medical School as professor of pediatrics.

**William C. Friday**, president of the University of North Carolina, has been elected chairman of the American Council on Education. Friday, who will serve a 1-year term, succeeds **Nathan Pusey**, president of Harvard University.

**W. Deming Lewis**, formerly research administrator with the Bell Telephone Laboratories, has become the tenth president of Lehigh University. He succeeds **Harvey A. Neville**, who will become President Emeritus of the University.

**Herbert K. Livingston**, formerly venture manager for electrochemicals at the E. I. du Pont de Nemours and Co., has become professor of chemistry at the Wayne State University.

At Case Institute of Technology, Cleveland, Ohio:

**Daniel Teichroew**, formerly professor of management at Stanford University, has been appointed professor and head of the division of organizational sciences;

**Benjamin Avi-Itzhak** has become visiting associate professor of operations research for the 1964–65 academic year. He has been on the staff of Cornell University;

**Alan B. Kuper** has been appointed visiting associate professor of engineering. Kuper is on leave from the Bell Telephone Laboratories in Murray Hill, New Jersey;

**Matthew N. Levy** has become associate professor of physiology; he was formerly director of the research division at St. Vincent Charity Hospital;

**Gerhard W. L. Vossius** has been appointed visiting associate professor of engineering. He is on leave from the Institute of Animal Physiology in Frankfurt, Germany.