

Announcements

An international **fishery-oceanographic research project** in the equatorial Atlantic Ocean from South America to Africa is scheduled to begin in January 1963. Coordinated by the U.S. Interior Department's Bureau of Commercial Fisheries and sponsored by the Inter-agency Committee on Oceanography, the 1963 program will explore the surface currents, variations of water temperature, salinity, weather, nutrient content, and role of the Equatorial Undercurrent. Results of the studies will be used for experimental design of pelagic fishery surveys to be carried out during 1964 and 1965.

The Washington (D.C.) Planetarium and Space Center has announced plans for the construction of a nonprofit **planetarium and space-education center** on Daingerfield Island near Alexandria, Va. When completed, the center will have an 85-foot dome to accommodate a 16-foot-high Minolta planetarium projector, offered as a gift by the Japanese optical firm Chiyoda Kogaku Seiko in Osaka. The center will seat 900 persons and will include areas for exhibits, a library, lectures, and meetings.

Necessary funds for the facility, estimated at \$2 million, will be obtained from industry, various foundations, and the general public. Construction will begin this fall, with completion scheduled for 1963.

The National Bureau of Standards has established a **crystal chemistry section** which will study methods of crystal structure determination to help increase knowledge of chemical bonding. The unit, under the direction of Herbert S. Peiser, of the NBS Analytical and Inorganic Chemistry Division, will develop new theories and investigate the correlation of known crystal structures, formation and transformation mechanisms of crystalline order, and disorder phenomena such as chemical impurities in crystals.

Germany's Landwirtschaftliche Hochschule Hohenheim in Stuttgart-Hohenheim has established an **Institute for Foreign Agriculture** which will offer courses on agricultural activities of foreign countries and the efforts to insure adequate food for the world's population. The program will include excursions to enable foreign students to com-

pare local agricultural conditions with those in their own countries, training courses for graduate agricultural scientists who intend to work in developing countries, research on agricultural production, and discussion of specialized agricultural problems in foreign countries. The institute, under the direction of J. G. Knoll, will also act as a consultant to several German and international organizations and will advise experts assigned to a developing country.

Grants, Fellowships, and Awards

Individual travel grants to the **International Symposium on Stratospheric and Mesospheric Circulation** (Berlin; 20-31 Aug.) are available to a limited number of American scientists. Deadline for receipt of applications: *15 July*. (National Science Foundation, Division of Mathematical, Physical, and Engineering Sciences, 1951 Constitution Ave., NW, Washington 25, D.C.)

Grants-in-aid, ranging from \$500 to \$1500, for research in the **mathematical, physical, biological, or social sciences** are available from the American Academy of Arts and Sciences. Support will not be provided for bibliographic research, preparation of manuscripts, studies for an academic degree, or the purchase of nonexpendable equipment ordinarily available in an institutional laboratory. Deadline: *15 August*. (Chairman, Committees on Research Funds, American Academy of Arts and Sciences, 280 Newton St., Brookline 46, Mass.)

Veterinarians and biologists are invited to apply for graduate traineeships in **infectious diseases and laboratory animal care**, offered by New York University's Berg Institute for Experimental Physiology, Surgery and Pathology. The program, to begin 1 July, has no fixed curriculum; emphasis during the first year will be on basic preparation, and will shift to research and special training as the candidate progresses. Traineeships, renewable for 2 years, carry annual stipends of \$6500. Travel allowances for an attendance at annual meetings of the Animal Care Panel and other events are provided. Applications must be accompanied by transcripts and letters of recommendation. (L. R. Christensen, Berg Institute, N.Y.U. Medical Center, 550 First Ave., New York 16)

Meeting Notes

A national conference and report on **faster transportation in outer and inner space**, sponsored by the American Society of Mechanical Engineers, will be held at the University of Maryland from 26 to 28 June. Sessions on outer space will cover structures and materials, accessories, propulsion, space vehicles, and flight simulation. Inner-space sessions will deal with the possibility of economical supersonic transport aircraft and the power plants to propel them; compatible military and commercial cargo aircraft; and short-range rapid transit, including helicopters, turboprop transports, monorails, and ground transport to and from airports. Conference fees are \$6 for members, \$8 for nonmembers. (ASME Meetings Department, 345 E. 47 St., New York 17, N.Y.)

Manuscripts on new and original work in **vacuum technology** are being solicited for the 9th National Symposium on Vacuum, to be held from 31 October to 3 November in Los Angeles. Submission deadlines: 100-word abstracts, *1 July*; manuscripts, *15 September*. (G. H. Bancroft, Consolidated Vacuum Corp., 1775 Mt. Read Blvd., Rochester 3, N.Y.)

Publications

The proceedings of the 3rd **Institute on Information Storage and Retrieval** (Washington, D.C.; Feb. 1961) have been published by American University's Center for Technology and Administration. (American University Book Store, Washington 16, D.C. \$7.75)

A 50-page bulletin outlining **employment opportunities in atomic energy fields** has been published by the U.S. Atomic Energy Commission. In addition to general information, the brochure contains a list of skilled occupations and education requirements. Detailed employment tables and a bibliography on atomic energy are also included. (Office of Technical Services, Department of Commerce, Washington 24, D.C. \$0.50. Order TID 14314)

A guide for handling **press arrangements at scientific and technical meetings** has been published by the National Association of Science Writers. The booklet includes suggestions for notify-

ing the press, arranging press-room facilities, supplying the news, establishing release times, and setting up interviews. Single copies, \$1.00; quantities of 13 to 99, \$0.75 ea.; 100 or more, \$0.50 ea. (NASW, 5 Longview Rd., Port Washington, N.Y.)

Scientists in the News

Dieter Koch-Weser, associate professor at Western Reserve University's department of medicine, will become head of the new National Institutes of Health's overseas branch office in Rio de Janeiro, scheduled to open on 1 July. **Herbert T. Dalmat**, research program coordinator with the National Institute of Neurological Diseases and Blindness, will become assistant chief of the branch.

Karl and William Menninger, board chairman and president of the Menninger Foundation, respectively, have received gold medal awards from the National Institute of Social Sciences for their work in improving diagnosis and treatment of mental disease.

John F. Enders, 1954 Nobel laureate in medicine and physiology and recently appointed Higgins university professor at Harvard, is the 1962 recipient of the Howard Taylor Ricketts award administered by the University of Chicago.

John B. Kotheimer, biologist and research analyst with the U.S. Army Chemical Corps' Intelligence Agency, has been appointed to the staff of the National Agricultural Chemicals Association in Washington, D.C.

Marshall Brucer, chairman of the medical division at Oak Ridge Institute of Nuclear Studies since 1949, has retired for health reasons. He is succeeded by **Gould A. Andrews**, associate chairman of the division since 1959.

Robert S. Codrington, a former technical director with Schlumberger Well Surveying Corporation, has been appointed section manager of a new telemetry research and development group at Electro-Mechanical Research, Inc., in Princeton, N.J.

Arthur J. Bruno, organic chemist formerly with Johns-Manville Corporation in Chicago, has been appointed manager of research and engineering

for Audio Devices, Incorporated, a New York firm specializing in the manufacture of magnetic tapes.

S. Fred Singer, professor at the University of Maryland, currently on sabbatical leave at California Institute of Technology's Jet Propulsion Laboratory, will become director of Maryland's new Center of Atmospheric and Space Physics. During his absence, the center is under the direction of **Howard Laster**, associate chairman of the department of physics and astronomy.

Louis M. Herman, of North American Aviation's advanced system research section, has won the first \$1000 creative talent award of the American Institute for Research. Two awards of \$500 each were made to **Sheldon L. Freud**, of the U.S. Air Force Hospital in Washington, D.C., and **James C. Lingo**, of the University of Michigan, for dissertations judged best in their fields.

Bruce R. F. Kendall, research physicist at National Research Council of Canada, has been appointed senior research scientist at Nuclide Analysis Associates in State College, Pa., a firm specializing in manufacture of mass spectrometers.

Anthony N. Mustille, psychiatrist and clinical assistant director at Gowanda State Hospital (N.Y.), has been appointed director of Willard State Hospital in Seneca County, N.Y.

A. Nelson Sayre, formerly with U.S. Geological Survey, has been appointed an associate of Behre Dolbear & Company, a New York mineral-consultant firm in mining, metallurgy, geology, and management.

K. C. Black, former scientific adviser with the Institute for Defense Analyses, and **Arnold M. McCalmont**, of Air Force Cambridge Research Laboratories, have become president and vice president respectively, of the recently established Scientific Analysis Corporation in Concord, Mass.

Jean Gottman, of the University of Paris; **George H. T. Kimble**, of Indiana University; and **Walter H. Kollmorgen**, of the University of Kansas, have received the Association of American Geographers' citation for "meritorious contribution to the field of geography."

Richard M. Whitehorn, manager of radiation research at Varian Associates, has been appointed a chief engineer at Radiation at Stanford, a subsidiary of Radiation Incorporated in Palo Alto, Calif.

At Martin Marletta Corporation, Baltimore, Md.:

Joyce J. Kaufman, theoretical chemical physicist at Martin's Research Institute for Advanced Study, is serving as a visiting staff member of the Center de Mécanique Ondulatoire Appliquée at the University of Paris until November 1962.

Herbert Sukenik, formerly with General Electric Research Laboratory, has joined Martin's space systems division as chief of space medicine in the life sciences department.

Recent Deaths

Michael M. Afanasiev, 63; professor of forestry at Oklahoma State University; Apr.

Neil L. Catton, 57; chemical engineer and assistant manager of Neoprene sales for E. I. du Pont de Nemours and Co. in Wilmington, Del.; 7 May.

H. Trendley Dean, 68; specialist in fluoridation of water supplies, and retired director of the National Institute of Dental Research; 13 May.

R. Adams Dutcher, 76; emeritus professor and head of the department of agricultural and biological chemistry at Pennsylvania State University; 20 Apr.

Marcl Grütter; instrumentation specialist and electronics technician at CERN nuclear physics apparatus division in Geneva, Switzerland; 24 Mar.

Calamur Mahadevan; chairman of the department of geology at Anhra University (India); 8 Apr.

Thomas M. Rivers, 73; virologist and director of medical affairs for the National Foundation; 12 May.

Eugene C. Sullivan, 90; codeveloper of Pyrex glass and founder of the research laboratories and former president of Corning (N.Y.) Glass Works; 12 May.

Paul A. Sullivan; 64; operational control officer with the Maritime Administration's office of research and development, and director of operations of the N.S. Savannah; 15 May.

Elias Yanovsky, 76; retired chemist in charge of the starch section of the U.S. Agriculture Department's Eastern Regional Research Laboratory; 12 May.