

Grants, Fellowships, and Awards

Foreign study. U.S. Government Fulbright Awards for university lecturing and advanced research in 1960-61 in Europe, the Near East and Africa, and the Far East have been announced by the Conference Board of Associated Research Councils, Committee on International Exchange of Persons, 2101 Constitution Ave., Washington 25, D.C. The closing date for receipt of applications is *1 October 1959*.

Life sciences. The division of biological and medical sciences of the National Science Foundation has announced that the next closing date for receipt of basic research proposals in the life sciences is *15 September*. Proposals received prior to that date will be reviewed at the fall meetings of the foundation's advisory panels, and disposition will be made approximately 4 months after the closing date. Proposals received after 15 September will be reviewed following the spring closing date of 15 January 1960. Inquiries should be addressed to the National Science Foundation, Washington 25, D.C.

Monograph prizes. The American Academy of Arts and Sciences has announced a program of Monograph Prizes. These \$1000 annual prizes are a new addition to the academy's 180-year old tradition of support and publication of scientific and scholarly research. It is hoped that the judgment of merit by the academy will stimulate publication of significant monographs in the fields of the humanities, the social sciences, and the physical and biological sciences. To evaluate the manuscripts submitted, a nine-man committee of fellows of the academy has been established, with three members for each of the three fields in which prizes are to be awarded.

A monograph is defined for the purposes of these awards as a "scholarly contribution to knowledge, too long for an article in a learned journal and too specialized or too short for a general book." Recipients of these prizes will be expected to make their own arrangements for publication. The final date in 1959 for receipt of manuscripts by the committee on awards is *1 October*. Announcement of the awards will be made in December. Further information may be obtained from the Committee on Monograph Prizes, American Academy of Arts and Sciences, 280 Newton St., Brookline Station, Boston 46, Mass.

Nuclear science. The European Nuclear Energy Agency of the Organization of European Economic Cooperation has arranged with the Atomic Energy Research Establishment at Harwell (United Kingdom) and the Centre d'Etudes Nucléaires at Saclay (France) for presentation of two international courses on nuclear energy. Designed for the teach-

ing staffs of universities and higher technical colleges, each course will accept about 50 applicants, who will have the opportunity to study the latest advances in nuclear science and techniques, to do certain practical work, and to visit nuclear installations.

The costs of these courses, both of which will run from 20 to 31 July, are being borne by the European Nuclear Energy Agency, and participants will only be required to pay travel and living expenses. Further information can be obtained by writing to the O.E.E.C. European Nuclear Energy Agency, 38 Boulevard Suchet, Paris 16^e.

Scientists in the News

The highest academic officers of six of the oldest universities in the Western World, and JOHN D. ROCKEFELLER, JR., received honorary doctor of laws degrees from Detlev W. Bronk, president of the Rockefeller Institute, at the institute's first academic convocation on 22 May. Those honored include: GIUSEPPE G. FORNI, rector of the University of Bologna, Italy, and professor of surgery; THOMAS S. R. BOASE, president of Magdalen College and vice chancellor of Oxford University, and an authority on the history of art; Baron EDGAR D. ADRIAN, master of Trinity College and vice chancellor of Cambridge University, and neurophysiologist, who received the Nobel Prize in medicine in 1952; JOSE L. BARANDIARAN, rector of the University of San Marcos of Lima, Peru, and an authority in the fields of civil law and the philosophy of law; NABOR C. FLORES, president of the National University of Mexico, a civil engineer and a specialist in soil mechanics; and NATHAN M. PUSEY, president of Harvard University.

The U.S. Department of Agriculture's Distinguished Service Award was presented on 26 May to each of the following scientists:

LEONARD I. BARRETT, staff assistant in the Division of Program Planning and Special Projects of the Forest Service, for his contributions to the planning and conduct of one of the most comprehensive nationwide surveys and appraisals of the nation's timber resources ever made.

HARRY A. BORTHWICK, chief scientist in the Pioneering Research Laboratory for Plant Physiology, Agricultural Research Service, Beltsville, Md., for his contributions to the understanding of the effect of light on the biological response of plants.

ARNOLD C. ORVEDAL, chief of the world soil map project of the Soil Conservation Service, Beltsville, Md.,

for the development of unique worldwide terrain intelligence maps and interpretative information of highest importance to the defense of the United States.

WALLACE B. VAN ARSDEL, assistant director of the Western Utilization Research and Development Division, Albany, Calif., for his pioneering research in time-temperature tolerance in the processing, storage, and marketing of frozen foods.

ARKADY N. RYLOV, chief, division of training of engineering and scientific specialists, Central Atomic Energy Utilization Board of the Council of Ministers of the U.S.S.R., and professor of the Moscow Bauman Higher Technical School, has been appointed deputy director general in charge of the Department of Training and Technical Information of the International Atomic Energy Agency. He succeeds V. V. MIGULIN, who is deputy dean of the faculty of physics of Moscow University, in charge of scientific research and training of postgraduate students.

STEPHEN W. KUFFLER, professor of ophthalmic physiology and biophysics at the Johns Hopkins Medical School, has been appointed professor of neurophysiology and neuropharmacology in the Harvard Medical School's department of pharmacology.

ROBERT E. STOWELL, professor and chairman of the department of pathology and oncology and director of cancer research at the University of Kansas Medical Center, has been appointed scientific director of the Armed Forces Institute of Pathology, Washington, D.C.

DONALD L. McKERNAN, director of the Bureau of Commercial Fisheries, U.S. Fish and Wildlife Service, has been named chairman of the World Scientific Meeting on the biology of Sardines and Related Species that is to be held in Rome, Italy, 14-21 September. The meeting is being sponsored by the Food and Agriculture Organization of the United Nations. MARIO RUIVO of Portugal is conference vice chairman.

DANIEL BERGSMA, state commissioner of health of New Jersey and former president of the Association of State and Territorial Health Officers, has been appointed associate director of medical care for the National Foundation, New York, effective 1 July.

HUBERT M. JAMES, professor of physics at Purdue University, has been appointed head of the University's physics department. He has been acting head of the department since the death of Karl Lark-Horovitz.

WILLIAM H. FISHMAN, research professor of biochemistry at Tufts University School of Medicine and director of cancer research at the New England Center Hospital in Boston, Mass., is lecturing in Japan on invitation from the Japanese Biochemical Society, the Japanese Cancer Society, and the Japanese Pharmaceutical Society.

EVAN JUST, president of International Drilling and Water Company, Inc., New York, has been appointed professor and head of Stanford University's department of mineral engineering, effective next fall.

ROBERT M. BUCHER, associate dean of Temple University's School of Medicine, has been appointed dean, effective 1 July.

Major General ELBERT DECOURSEY, commandant of the Army Medical Service School and clinical professor of pathology at Baylor College of Medicine, has been named director of the Southwest Foundation for Research and Education, San Antonio, Tex. He has also been appointed professor and director of scientific research at Trinity University in San Antonio.

The following scientists received Military Engineering Achievement awards during the 39th annual meeting of the Society of American Military Engineers.

WILLIAM K. CLOUD, chief of the Seismological Field Survey, Coast and Geodetic Survey, San Francisco, Calif., received the Colbert Medal.

HAROLD K. KELLEY, deputy director for construction, Directorate of Civil Engineering of the Air Force, received the Newman Medal.

Lt. Comdr. DONALD GROTE ISELIN, assistant officer in charge of the Naval Civil Engineer Laboratory at Port Hueneme, Calif., received the Moreell Medal.

DONALD E. EPPERT, area engineer under the Jacksonville Engineer District of the Corps of Engineers, U.S. Air Force, received the Wheeler Medal.

ERIC A. WALKER, president of the Pennsylvania State University, received the Bliss Medal.

WALKER L. CISLER, president and director of the Detroit Edison Company, received the Goethals Medal.

Lt. Gen. RAYMOND A. WHEELER, U.S. Army, retired, former president of the society, received the Toulmin Medal for his article "Clearing of the Suez Canal."

Rear Adm. LEO O. COLBERT, U.S. Coast and Geodetic Survey, retired, and Major LEX E. O'BRIENT, assistant professor of military science and tactics at the Colorado School of Mines, each received the Gold Medal.

J. E. HAWKINS, professor of chemistry and director of research on naval stores at the University of Florida, has received the 1959 Florida Section Award of the American Chemical Society.

JEAN ROUCH, anthropologist at the Musée de l'Homme, Paris, France, and outstanding film maker, will be a participant in the 5th annual Robert Flaherty film seminar, to be held 16-22 August at the University of California, Goleta.

HENRY DEWOLF SMYTH, Joseph Henry professor of physics at Princeton University, has been appointed chairman and dean of the university's newly established research board. The board was formed to establish policy in the acceptance and administration of research grants and contracts. It replaces the 12-year-old Committee on Project Research and Inventions.

ENRICO BOMPIANI, director of the institute of mathematics at the University of Rome, Italy, has been appointed Andrew Mellon professor of mathematics at the University of Pittsburgh. Bompiani is also professor of analytic and descriptive geometry and professor in charge of the chair of differential geometry at the University of Rome.

ROBERT M. JONES, technical consultant for the nuclear division of AFC Industries, Washington, D.C., has been named assistant manager of Lockheed Nuclear Products, Marietta, Ga.

Recent Deaths

ERNEST A. BACK, Chaplin, Conn.; 78; entomologist who contributed to the eradication of the citrus fruit fly; retired in 1947 after 40 years with the Bureau of Entomology of the U.S. Department of Agriculture; 22 May.

DUDLEY A. BUCK, Winchester, Mass.; 32; assistant professor of electrical engineering at Massachusetts Institute of Technology; developed the cryotron, a small replacement for the transistor; 21 May.

FLOYD H. EGGERT, Sturtevant, Wis.; vice president of Werner Laboratories, Sturtevant, Wis.; 1 May.

HANS HEER, Westfield, N. J.; 62; chemist with the General Aniline and Film Corporation for more than 30 years; 23 May.

STANLEY JOHNSON, New York; 46; projects engineer with the Polytechnic Research and Development Corporation, Brooklyn; pioneer in the development of equipment for measuring microwaves; developed a portable version of the maser oscillator; 24 May.

ALSON R. KILGORE, San Francisco, Calif.; 71; chief surgeon with the Western Pacific Railroad for 25 years; former chief of surgery at Children's Hospital, and chief of staff at St. Joseph's Hospital; had taught at the Harvard Medical School in China; founder of the American Board of General Surgery, the California Physicians Service, and the Public Health League of California; 20 May.

JOHN C. LINCOLN, Phoenix, Ariz.; 92; founder of the Lincoln Electric Company of Cleveland, of which he was president from 1905 to 1928 and board chairman until 1954; president of the Bagdad Copper Corporation; president of the Henry George School of Social Science; developed the variable speed motor; 25 May.

KARL W. MEISSNER, Lafayette, Ind.; 68; spectroscopist, noted for his development of the atomic beam light source; professor of physics at Purdue University since 1943; director of the physics department of the University of Frankfurt am Main, Germany, until 1937; 13 Apr.

LOUIS N. RIDENOUR, Jr., Washington, D.C.; 47; noted research physicist; vice president of Lockheed Aircraft Corporation and general manager of its Electronics and Avionics Division; had been first chief scientist of the Air Force; composed the *Ridenour Report* that led to the establishment of the Air Research and Development Command; assistant director of the Massachusetts Institute of Technology Radiation Laboratory during World War II, when he developed airborne radar and radar-bombing systems; had taught at Princeton University and at the University of Pennsylvania, and had been dean of the University of Illinois Graduate College; author of *Modern Physics for the Engineer*; 21 May.

GEORGE SMOLAK, Somerville, N.J.; 59; research chemist and manager of the Johns-Manville Pipe and Board Department; former research chemist with the General Electric Company, Schenectady, N.Y.; 11 Apr.

FREDERICK TATTERSFIELD, Harpenden, England; 78; former head of the department of insecticides and fungicides, Rothamsted Experimental Station; 1 May.

WILLIAM H. WRIGHT, Mount Hamilton, Calif.; 87; director emeritus and astronomer emeritus of the Lick Observatory of the University of California; 16 May.

YAYOI YOSHIOKA, Tokyo, Japan; 88; Japan's first woman physician and founder of the Tokyo's Women's Medical School, now Tokyo's Women's Medical College, of which she was president and where she taught for more than 50 years; helped to establish hospitals in Tokyo; 23 May.