

sponsible to a particularly high degree for the shaping of human lives."

Members were reminded that "the progressive development of nuclear weapons and other means of mass destruction of every kind is generally impossible without the active cooperation of physicists."

The terms of reference of the committee are "to instruct the public, as well as all physicists, of the dangers of nuclear weapons and all other means of mass destruction; to immediately safeguard the interests of all members affiliated to the Union in regard to the decision of them; to advise and support members of any situation of conflict which may arise from an adherence to their duties as laid down in Clause Two of the Constitution.

## News Briefs

The British Medical Association's Science Committee has asked 60,000 physicians for confidential reports on the case histories of babies conceived through artificial insemination. The committee plans to use the data from the reports as evidence before a government inquiry into artificial insemination. The inquiry will examine the legal and moral issues as well as medical aspects of artificial insemination.

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The Special Training Division of the Oak Ridge Institute of Nuclear Studies has announced a series of courses to be held in Oak Ridge, Tenn., this year. The 1959 curriculum includes courses in the basic techniques of using radioisotopes, courses in the industrial uses of isotopes, and a special summer institute for secondary-school science teachers. A maximum of 48 participants will be accepted in basic courses and in the summer institute. Industrial courses will be limited to 32.

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The University of Chicago has announced the establishment of the Comdr. Eugene F. McDonald, Jr., Memorial Laboratory for Exfoliative Cytology at the University of Chicago Medical Center. Formation of the laboratory was financed by leaders in the radio and television industry as a memorial to the founder-president of Zenith Radio Corporation of Chicago. He died in May 1958.

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The Atomic Energy Commission has established a training program at the Shippingport Atomic Power Station for supervisory personnel of domestic and foreign organizations engaged in or planning the design, construction, or operation of nuclear power plants. The training program, which will be conducted

by the Duquesne Light Company for the commission, will enroll 25 participants every 3 months for a 6-month course.

## Grants, Fellowships, and Awards

*Meteorology.* The Alfred P. Sloan Foundation has granted \$45,000 to the University Committee on Atmospheric Research to encourage graduate study of meteorology and closely allied sciences. Ten fellowships for the academic year 1959-60 will be awarded. Recipients will each receive \$4000 and may attend any qualified institution offering a graduate program in physical sciences of the atmosphere.

Universities represented on the Committee on Atmospheric Research are the University of Arizona, University of California, University of Chicago, Cornell University, Florida State University, Johns Hopkins University, Massachusetts Institute of Technology, University of Michigan, New York University, Pennsylvania State University, St. Louis University, A. & M. College of Texas, University of Washington, and University of Wisconsin.

Applications must be filed by 28 February and the awards will be made on 31 March. Application forms may be obtained from the University Committee on Atmospheric Research, P. O. Box 3297, MSS, Tallahassee, Fla.

*Microbiology.* The Foundation for Microbiology, established in 1951 by Selman A. Waksman, is prepared to receive applications for grants in various fields of microbiology. The trustees of the foundation have decided to give first consideration to applications dealing with problems of publication of monographs or large papers on microbiological subjects for which it is difficult to obtain financial support otherwise. Applications should be addressed to the Foundation for Microbiology, c/o Institute of Microbiology, Rutgers State University, New Brunswick, N.J.

*Neurophysiology.* The Marine Biological Laboratory at Woods Hole, Mass., is offering a training program in neurophysiology under the direction of S. W. Kuffler, C. L. Prosser, and E. J. Furshpan. Financial aid will be provided to nine pre- and postdoctoral fellows between 20 June and 31 August. There will be opportunities for participating in current research programs at the laboratories and for learning techniques and theory of neurophysiology, but no formal lecture course is planned. Applications should be made to the Director, Marine Biological Laboratory not later than 15 February.

*Ornithology.* Awards for ornithological research are made in April of each year by the Frank M. Chapman Memo-

rial Fund Committee of the American Museum of Natural History, New York. Applications should be received by 15 March 1959. For information write to: Wesley E. Lanyon, American Museum of Natural History, Central Park West at 79 St., New York 24, N.Y.

*Physiological Psychology.* The College Council of St. John's College, Cambridge (England), proposes not later than the end of April to make an election to the Kenneth Craik Research Award for the assistance of persons engaged in postgraduate research, preferably in physiological psychology. Persons of either sex and of any academic standing are eligible. The person to whom the award is made need not be and shall not be required to become a member of the college and need not reside in the University of Cambridge, but shall submit reports on the place, nature, and progress of his or her research as the council may require. The award shall be tenable, subject to the consent of the council, with any other emolument and with a salaried post.

The value of the award will be £450 a year. The council may pay to the holder such part of the award as it shall decide in the form of a grant or grants to meet specified costs to be incurred in connection with the research undertaken, which costs may include the costs of travel, of the purchase or hire of apparatus or other equipment, or of the provision of technical or clerical assistance.

The award will be tenable from 1 October 1959 for such period, not less than 1 year nor more than 3 years, as the council shall decide, and if the election is made for a period of less than 3 years the tenure may at the discretion of the council be prolonged for a further period or periods, provided that the award shall not be held by the same person for more than 3 years in all.

Applications should be sent to The Master, St. John's College, Cambridge, so as to reach him not later than 14 March, accompanied by full particulars of the applicant, a statement of the nature and probable duration of the postgraduate research contemplated and of the place where it is intended to pursue it, particulars of any further assistance the applicant expects to receive, and the names and addresses of not more than three persons to whom the council, if they wish, may refer. Testimonials should not be sent.

## Scientists in the News

President Eisenhower has appointed DON K. PRICE, JR., new member of the AAAS Board of Directors, to his Advisory Committee on Government Organization. Price, who is dean of the

Harvard Graduate School of Public Administration, succeeds Nelson A. Rockefeller, the new governor of New York. Rockefeller served as chairman of the committee, a position that has now been assigned to ARTHUR S. FLEMMING, Secretary of Health, Education and Welfare.

ABRAHAM HORWITZ of Chile assumed office as director of the Pan American Sanitary Bureau on 1 February. He succeeded FRED L. SOPER of the United States, who became director emeritus after having completed three 4-year terms as bureau director. At the time of his election to the PASB, Horwitz was assistant director of his country's National Health Service and professor of preventive medicine at Chile's National University.

The first annual Louis W. Hill Space Transportation Award has been made posthumously to the distinguished American rocket pioneer, ROBERT H. GODDARD (1882-1945). The award, which carries an honorarium of \$5000, was presented to the scientist's widow at the annual Honors Night Dinner of the Institute of the Aeronautical Sciences, which took place on 27 January in New York.

The new award was established by the Louis W. and Maud Hill Family Foundation of Minneapolis to honor American scientists for "research in any or all of the fundamental sciences relating to space travel or space technology" and is administered by the IAS. Although it was established to encourage and reward living scientists, both the Award Board and the Hill Foundation agreed that the first recipient should be Dr. Goddard, who, despite opposition and ridicule during more than 40 years of determined effort, tremendously advanced the science of rocketry.

Goddard began his rocket researches in 1899 when he was 17 years old. Many of the techniques which he first developed and tried out are now regarded as basic. He first suggested the multistage rocket in 1909. Other modern devices which resulted directly from his work are the Army's "bazooka" launcher and JATO (jet assisted take-off), now widely used by many types of military aircraft.

Although the importance of his work was frequently not appreciated during his lifetime, Goddard was materially assisted by a grant from Harry Guggenheim and, during his later years, by the U.S. Navy.

At the recent joint annual meeting of the American Physical Society and the American Association of Physics Teachers, PAUL KIRKPATRICK of Stanford University received the Oer-

sted Medal, CHARLES H. TOWNES of Columbia University delivered the 17th Richtmyer Memorial Lecture of the AAPT, CONYERS HERRING of Bell Telephone Laboratories received the Oliver E. Buckley Solid-State Physics Prize, MRS. LLOYD W. TAYLOR received a scroll as part of the Taylor Manual Ceremony, and JAMES G. POTTER of the Agricultural and Mechanical College of Texas and WILLIAM C. KELLY of the American Institute of Physics received AAPT Distinguished Service Citations.

JOHN B. NELSON of the Rockefeller Institute for Medical Research has received the Charles A. Griffin Award of the Animal Care Panel in recognition of his work on the control of diseases of laboratory animals. Nelson's research on endemic pneumonia of rats has led not only to control of this respiratory infection but also to elimination of many other diseases from animal colonies.

L. N. H. BUNT, professor of mathematics at the University of Utrecht, Netherlands, is at present a visiting professor at Teachers College, Columbia University. Bunt is a member of the Subcommittee for the Netherlands of the International Commission on Mathematical Instruction. Recently he served as adviser to the Minister of Education of the Government of Brazil for a program on the teaching of mathematics in secondary schools and colleges.

V. A. ENGELHARDT, director of the Biochemical Institute, Moscow, recently spent 2 days lecturing and visiting the Radiation Laboratory and the Donner Laboratory at the University of California, Berkeley. He was accompanied by Mrs. Engelhardt, a biochemist with whom he has collaborated in studies on the chemistry of muscular contraction.

WILLIAM B. BEAN, professor and head of the department of internal medicine at the State University of Iowa, has been elected a fellow of the Royal Society of Medicine, London.

JOHN C. RIEDEL has been appointed senior project engineer, electronics, for the Endevco Corporation, Pasadena, Calif., an electronic instrumentation firm. Formerly he was test engineer with Consolidated Electrodynamics and supervising engineer of the electronics group at Northam Electronics.

Also at Endevco, DONALD E. LOVELACE, previously in the Transducers Division of Consolidated Electrodynamics, has been appointed senior project engineer, transducers.

## Recent Deaths

WILLIAM S. BRACKETT, Charleston, W. Va.; 60; since 1944, vice president in charge of engineering of the Union Carbide Chemicals Company; 8 Jan.

RUSSELL S. FOWLER, New York, N.Y.; 84; honorary director emeritus of surgery and chief surgeon for 43 years of the Wyckoff Heights Hospital, Brooklyn; one of the founders of the American College of Surgeons, and founder and past president of the Clinical Society of the Wyckoff Heights Hospital; co-developer of Fowler's position, a resting position for postoperative patients; author of several books on surgery; 7 Jan.

ERNST K. JORDAN, London, England; 97; entomologist who went to England from Germany in 1893 to serve as curator of entomology at the Zoological Museum at Tring, Hertfordshire, England; in 1930, named director of the museum, his post at retirement in 1939; internationally known for his studies of parasitic insects; 13 Jan.

SIDNEY I. KORNHAUSER, Louisville, Ky.; 71; professor and chairman of the department of anatomy at the University of Louisville School of Medicine, 1922-58; chairman of Commission on Biological Stains; 1 Jan.

RAYMOND R. LANIER, Denver, Colo.; 44; professor and head of the department of radiology at the University of Colorado since 1950; taught gross anatomy at Washington University, 1937-42, and roentgenology at the University of Chicago, 1948-50; was the central figure in a national controversy three years ago when he warned that radioactive dust from the Nevada atomic tests had become a menace to public health; 24 Nov.

AUGUST M. MEULEMANS, Kansas City, Mo.; 69; head of the department of biology, Rockhurst College, for 27 years; taught at the University of Wisconsin and at Xavier College before joining Rockhurst; 22 Dec.

SAMUEL PENNELL, New York, N.Y.; 58; associate attending physician and hematologist at the Maimonides Hospital; invented an apparatus for performing direct transfusions; 6 Jan.

MARY M. ROBERTS, New York, N.Y.; 82; editor-in-chief of the *American Journal of Nursing* from 1921 until her retirement in 1949; author of several books on nursing; 9 Jan.

*Erratum:* The levels enzyme activity given in Table 1 of the report, "Red Cell Glucose-6-Phosphate and 6-Phosphogluconic Dehydrogenases and Nucleoside Phosphorylase," by P. A. Marks [*Science* 127, 1338 (1958)] are incorrect by a factor of  $10^3$ . All activity levels should read per  $10^9$ , not  $10^6$ , erythrocytes.