

individual to purchase them for his personal library."

The Rockefeller Institute Press will be under the direction of Charles I. Campbell, administrative associate for information services at the institute. Production and distribution of the institute's journals will continue to be managed by Florence M. Stewart as head of the journals' department of the press. The institute publishes the *Journal of Experimental Medicine*, the *Journal of General Physiology*, and the *Journal of Biophysical and Biochemical Cytology*.

Overseas Agricultural Research

Foreign scientists will work in the interest of American farmers, as well as for the agriculture of their own countries, through a recently announced program of foreign research directed by the U.S. Department of Agriculture. An article in the current issue of the department's publication *Foreign Agriculture* states that benefits from the new program may include expanded markets for U.S. farm output, new uses of agricultural products, and the development of new crops.

Payment for the research will be made in the form of both grants and contracts. The money will come out of foreign currencies accruing from the sale of surplus farm commodities under the Agricultural Trade Development and Assistance Act of 1954. The research will be done at foreign scientific institutions in four general fields—marketing, utilization of farm products, farm production, and forestry.

Canadian Aeronautical Establishment

The Canadian National Research Council has announced the creation of a new division to be known as the National Aeronautical Establishment. The formation of the National Aeronautical Establishment, which consists of the aeronautical research facilities of the NRC Division of Mechanical Engineering, was authorized initially in 1951. The scale of operations has reached a point at which it becomes more practicable administratively to separate the Establishment from the Division of Mechanical Engineering and form a new division. The resources of the new division will consist of the Flight Research Hangar and Laboratories now at Uplands Airport, the new 5-foot supersonic wind tunnel now being constructed at Uplands Airport, and the Aerodynamics and Structures Laboratories in the NRC's Montreal Road Laboratories.

The Establishment will work closely with the Canadian Defence Research Board on defense problems in aeronautical science, and will also be responsible

for meeting the aerodynamic and structural research needs of civil aviation and of the aircraft industry. Acting director of the new unit is Frank R. Thurston, head of the Structures Laboratory of the Division of Mechanical Engineering.

Baby Tooth Survey

Plans to collect 50,000 baby teeth a year to provide a record of the absorption of strontium-90 by children in the St. Louis, Mo., area have been announced by the Greater St. Louis Citizens' Committee for Nuclear Information. Parents and children in the St. Louis area are being asked to participate in this project by mailing deciduous teeth to the Baby Tooth Survey. Public interest in the strontium-90 problem in the St. Louis area has been stimulated by reports that among five areas tested, milk from the St. Louis milkshed contains the highest strontium-90 levels for 1958.

In announcing the survey, the committee cited an article that appeared in *Nature* [182, 283 (2 Aug. 1958)] by Herman M. Kalckar, a biochemist at Johns Hopkins University, calling for the establishment of a program of tooth collection for strontium-90 analysis throughout the world. In this article Kalckar states, "Such an International Milk Teeth Radiation Census would contribute important information concerning the amount and kind of radiation received by the most sensitive section of any population, namely, the children. At present important although rather erratic data exist, based on autopsy of bone samples derived mainly from adults."

In establishing the Baby Tooth Survey, the committee said that, as far as it knows, it is the first group to initiate a large-scale collection of deciduous teeth.

International Federation of Operational Research Societies

The International Federation of Operational Research Societies came into existence on 1 January. Its objects are "the development of operational research as a unified science and its advancement in all nations of the world." The initial membership of IFORS consists of the Operations Research Society of America, the Operational Research Society (United Kingdom), and the Société Française de Recherche Opérationnelle. Membership is open to other national societies whose primary object is the advancement of operational research and whose membership includes qualified scientists working in this field.

The federation will be governed by a

board of representatives, one representative coming from each member society. According to the statutes, the voting power of each representative is proportional to the square root of the size of the membership, a formula designed to give the right weight to size.

One of the first activities of IFORS will be to sponsor the second international conference on this subject, following the successful first conference held in Oxford in 1957. The second conference is provisionally planned to take place at Aix-en-Provence in southern France in early September 1960.

Sir Charles Goodeve has agreed to act as the first secretary of IFORS, and Donald Hicks as treasurer. The address of the new federation is 11 Park Lane, London W.1, England.

German Physicists Oppose Atom Weapon Research

The 3000-member Union of German Societies for Physics met on 5 October in Essen, West Germany, and issued a statement condemning the nuclear arms race. The text of the statement and a report of the meeting as it appeared in the October newsletter of the Society for Social Responsibility in Science, follows:

"German physicists are deeply concerned at the increase of nuclear armaments everywhere. The Union of German Societies of Physics therefore once more warns the public that the use of these weapons in war will inevitably lead to the annihilation of millions of people and to complete devastation through radioactivity.

"The physicists, who desire their work to benefit mankind, repeat their previous warning as to the consequences which a criminal misuse of the results of their research might have. They wish to state with all possible emphasis that nuclear weapons are capable of the wholesale destruction of all races and will expose to the horrors of death by radiation even those nations which are not involved in the conflict.

"On behalf of its 3000 members, the Union of German Societies of Physics again urgently appeals to the public, and in particular to responsible politicians in all governments and parliaments, to give unceasing and constant support to any attempts at a peaceful settlement between the States and at last bring to an end the atomic arms race, including nuclear tests."

The meeting unanimously agreed to appoint a special committee to look after the interests of those scientists who "suffer disadvantages" as a result of adhering to the pledge in clause 2 of the Union's constitution "to bear in mind that those who work in sciences are re-

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