

Announcements

A program intended to broaden and speed up processes for screening, translating, and circulating **Russian biomedical publications** has been initiated by the Federation of American Societies for Experimental Biology through a contract with the National Library of Medicine. Under the contract, to run initially through June 1963, American biomedical scientists will study abstracts of approximately 5000 Soviet articles to determine their possible significance to American research efforts.

From approximately 950 articles to be translated in full, 150 will be selected and published in a bimonthly supplement to *Federation Proceedings*, journal of the FASEB. The unpublished translations will be deposited in the John Crerar Library, Chicago, and the Office of Technical Services, U.S. Department of Commerce, Washington. For those elements of the American scientific community not reached by the supplement, the OTS is establishing a continuing translation-announcement service on significant developments in the Soviet Union. (FASEB, 9650 Wisconsin Ave., Bethesda, Md.)

Physicists, electronics engineers, and experienced technicians interested in participating in the 12-month **Antarctic research program** are being recruited by the National Bureau of Standards' Boulder Laboratories. Conducted in coordination with the National Science Foundation, the laboratories' projects are concerned chiefly with the measurement of electromagnetic phenomena, with characteristics and behavior of the ionosphere, and with effects of solar activities on radio transmissions. The individuals selected will be given training at the laboratories for 30 days or more before departing for the Antarctic in November. (Personnel Officer, Boulder Laboratories, NBS, Boulder, Colorado)

Courses

A noncredit course in the design of **microminiature electronics equipment**, intended for individuals concerned with the application of the principles of microminiaturization to advanced electronics equipment, will be given evenings from 24 September through 26 November in Brooklyn, N.Y. Topics

include nomenclature and definitions, discrete components concepts, thin film circuitry, semiconductor circuits, reliability and economics, and the packaging of microelectronics equipment and systems. (Director, Division of Continuing Professional Studies, Pratt Institute, Brooklyn 5, N.Y.)

A series of lectures on the **philosophy of physics**, intended for present and future college teachers of philosophy and science, will be held on Saturdays, beginning 22 September, in Jamaica, N.Y. The course will cover the historical development of physics, with special emphasis on the interactions between science and philosophy. (Vincent E. Smith, Philosophy of Science Institute, St. John's University, Jamaica 32, N.Y.)

Grants, Fellowships, and Awards

Limited grants in aid of research in **petroleum geology**—sediments, sedimentary rocks and basins, and paleontologic and nonpaleontologic techniques—are available to graduate students and faculty members through the American Association of Petroleum Geologists. Support is intended for theoretical, experimental, or empirical studies aimed at the establishment of principles or the development of methods, rather than studies which involve only data-gathering or problem-solving with known techniques. Individual requests for funds should not exceed \$1500. Deadline for receipt of applications: *1 January 1963*. (R. H. Nanz, Shell Development Co., Box 481, Houston 1, Tex.)

The National Institutes of Health will expand its program of **general research-support grants** during the current fiscal year to include accredited schools of pharmacy, nursing, veterinary medicine, hospitals, and other non-profit organizations heavily engaged in research related to health. To be eligible, an organization must have received \$100,000 or more in NIH research grants during fiscal year 1962, not including grants for research training, fellowships, career awards, research construction, regional NIH-sponsored special resource centers, or NIH-sponsored primate centers. It must possess a current Internal Revenue Service tax exemption letter indicating that it is a "not-for-profit organization." A state-

ment to that effect from the organization bylaws is not sufficient. Other official excerpts from articles of incorporation or articles of charter recognized in an individual state will be considered. Deadline for requests for additional information: *15 September*. (General Research Support Grants Program, Division of Research Facilities and Resources, NIH, Bethesda 14, Md.)

Scientists in the News

Robert J. Fitzgerald, chief of the gnotobiotics section at the National Institutes of Health's microbiology laboratory, and **Paul H. Keyes**, of the National Institute of Dental Research's laboratory of histology and pathology, have received the 1962 Albert Joachim International Prize. The award is given every 5 years by the Federation Dentaire Internationale for papers on odontostomatological research. The federation posthumously awarded the Miller medal and award to **H. Trendley Dean**, first director of the NIDR, in recognition of his "eminent services to international dentistry."

Kerr L. White, associate professor of preventive medicine at the University of North Carolina, has been appointed chairman of the department of epidemiology and community medicine at the University of Vermont.

John C. Swallow, of the National Institute of Oceanography, Surrey, England, has received the Henry Bryant Bigelow award for his work in direct measurement of deep ocean currents. The award was established 2 years ago by trustees of the Woods Hole (Mass.) Oceanographic Institution.

Erratum: In the article "Intracellular oxidation-reduction states in vivo," by B. Chance, P. Cohen, F. Jobsis, and B. Schoener [*Science* 137, 499 (17 Aug. 1962)], two errors occur. The second sentence of paragraph 2, column 3, page 506 should have been two sentences, as follows (italicized words omitted): "Although such experiments are not yet feasible with brain mitochondria, we have no reason to believe that the data on the respiratory chain of yeast are inapplicable to the respiratory chain of brain tissue. The data on yeast cells indicate that an increment of pyridine nucleotide reduction of 80 percent as defined above corresponds to the extremely small oxygen concentration of 0.1 micromolar." In addition, the words *micromole* and *micromoles* in column 3, page 506, and column 1, page 507, should have been *micromolar*.

Erratum: Papers published in the *Japanese Journal of Applied Physics* will be in English, French, and German, with synopses in English; not in Japanese as stated in the original announcement [*Science* 137, 3526 (27 July)].