

Ivan Pavlov, on higher nervous activity is extremely widely supported in America. . . ."

Bykov reported that "American scientists are successfully working on the problems of the physiology of higher nervous activity." He particularly mentioned the work done by H. W. Magoun of the University of California, Los Angeles, on the role of the reticular formation of the brain. He also commented on the "extremely interesting work" that is being done by William H. Gantt of the Pavlovian Laboratory at the Johns Hopkins University School of Medicine in Baltimore.

"I was very pleased to see," Bykov said in conclusion, "that American scientists quite agree with us about the necessity of consolidating scientific links, of jointly working on various questions and exchanging information on our practical experience. I should like to express my sincere gratitude to my American colleagues for their great hospitality, and for the cordiality with which I was received during my stay in America."

Proposed Legislation

Of the many bills introduced in Congress, some have a special relevance to science and education. A list of such bills recently introduced follows:

HR 12784. Protect public health by amending Federal Food, Drug, and Cosmetic Act to prohibit use in food of chemical additives which have not been adequately tested to establish their safety. Osmer (R-N.J.). House Interstate and Foreign Commerce.

HR 7454. Amend the Tariff Act of 1930 to provide for free importation by colleges and universities of sound recordings and film to be used by them in certain nonprofit radio and television broadcasts. Eberharter (D-Pa.). House Ways and Means.

H Res 556. Express sense of House of Representatives in favor of continued testing by U.S. of nuclear and thermonuclear devices. Hillings (R-Calif.). Joint Committee on Atomic Energy.

News Briefs

A handbook for physicians who must treat victims of serious radiation is being compiled by the department of radiology and the radioisotope laboratory of the College of Medicine at the University of Cincinnati. The compilation, which was requested by the Atomic Energy Commission, is being done in cooperation with the commission's division of biology and medicine. A \$5600 2-year grant supports the work.

The handbook will outline possible

accidents, such as wreckage of a shipment of radioactive waste in transit, exposure to radioisotopes, sealed sources, x-ray generators, and so forth. It will list emergency procedure for exposed humans and the accident area, and guide the collection of data to be used in preparation for future accidents.

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On 18 July the Congress voted \$52,419,000 for the operation of the National Institute of Mental Health during the coming year. This is approximately \$15 million more than the sum originally proposed by the Administration in January of this year.

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A postgraduate course on the pathology of diseases of laboratory animals will be conducted at the Armed Forces Institute of Pathology, Washington, D.C., 8-12 December 1958. The course is designed to provide training for professional officers who are responsible for the recognition and interpretation of lesions of experimental animals, or who have charge of procurement and maintenance of animal colonies. A limited number of spaces are available for civilian veterinarians. Applications for enrollment should be addressed to the Director, Armed Forces Institute of Pathology, Washington 25, D.C.

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The American Institute of Physics Placement Service will collect information about graduate assistantships and fellowships for 1959-60 early in the fall of 1958 and make available the results the first of the new year. Chairmen of physics departments are asked to cooperate by filling in a questionnaire and returning it promptly to the institute at 335 E. 45 St., New York 17, N.Y.

Grants, Fellowships and Awards

Earth Sciences. The National Science Foundation is now receiving proposals for research grants that will be made in February and March, 1959. Deadline for the receipt of proposals for work to begin in the spring or early summer is *15 September 1958*. There are no formal application blanks, but a foundation pamphlet describes the method of making application and outlines information needed in a proposal. This pamphlet may be obtained by writing directly to the Earth Sciences Program, National Science Foundation, Washington 25, D.C.

Psychiatry. The Foundations' Fund for Research in Psychiatry has announced that *15 October* is the next deadline for the submission of completed applications for research fellowships in psychiatry, psychology, sociology, neurophysiology, and other sciences relevant

to mental health. The deadline following this will be 15 January 1959.

The next deadline for receipt of applications for research grants-in-aid is *10 December*. For information write to: Foundations' Fund for Research in Psychiatry, 251 Edwards St., New Haven 11, Conn.

Announcement has been made of the Opportunity Fellowships for 1959-60 of the John Hay Whitney Foundation. The purpose of the fellowships is "To broaden opportunities in America. Specifically to give opportunity for special experience or advanced study to outstanding individuals who otherwise might not be able to reach their fullest development or make their fullest contribution." Deadline for filing is *30 November*. Address inquiries to: Opportunity Fellowships, John Hay Whitney Foundation, 630 Fifth Ave., New York 20, N.Y.

Scientists in the News

EDWARD L. HAENISCH is on leave from his position as chairman of the chemistry department at Wabash College to serve the National Science Foundation as program director for academic-year institutes, Division of Scientific Personnel and Education. He is also acting as director of the foundation's summer institutes program.

HEINZ GRUNZE, specialist in lung cytology and cochairman of the department of medicine at the Free University of West Berlin, Germany, will join the medical staff of the University of Chicago on 1 September 1958 as a visiting lecturer and research scholar. While he is in this country Grunze also plans to complete arrangements for the English translation of his book, *Klinische Zytologie der Thoraxkrankheiten*.

MARCUS M. RHOADES, professor of botany and cytogenetics at the University of Illinois, has been named head of the Indiana University department of botany. In September he will succeed RALPH E. CLELAND, who recently reached the compulsory retirement age for department heads and is now devoting his time to teaching and research. Rhoades is internationally known for his work on corn genetics.

The American Public Health Association, New York, has announced appointments to five newly created staff positions. The new appointees are THOMAS HOOD, associate executive director; JAMES L. TROUPIN, associate director assigned to the association's committee on professional education; NOBLE SWEARINGEN, director of

the Washington office; ROBERT MYTINGER, director of the western regional office in San Francisco; and EDWARD WELLIN, who will study the relation between public health and the behavioral sciences.

Wellin has been a research associate at the Harvard School of Public Health. Mytinger was formerly secretary of the public health committee of the Paper Cup and Container Institute, New York. Swearingen has been chief of the legislative unit of the National Tuberculosis Association. Troupin has been associated with the World Health Organization, and Hood was executive secretary of the Kansas State Board of Health.

A new department, agricultural biochemistry, will be established this fall at the University of California, Davis. It will be housed in the new soils and plant nutrition building, now under construction. PAUL K. STUMPF, professor of plant biochemistry and chairman of the department, will move to Davis from the Berkeley campus on 1 September, along with ERIC E. CONN, associate professor of plant biochemistry at Berkeley.

A. C. ALLISON, member of the British Medical Research Council's staff at the National Institute for Medical Research, London, will attend the International Congress of Genetics in Montreal, 20-27 August. His itinerary includes Alaska; Lawrence, Kan.; Seattle, Wash.; and Washington, D.C.

R. L. BROWN, director of the Basic Research Laboratories, British Coal Utilisation Research Association, Leatherhead, Surrey, England, will be in the United States and Canada from 5 September to 1 October. After attending the World Power Conference in Montreal, 5-11 September, he will visit Ottawa; Milwaukee, Wis.; Urbana, Ill.; Buffalo, N.Y.; Alliance and Columbus, Ohio; Pittsburgh, Pa.; Washington, D.C.; and New York.

Another visitor to this country is B. M. SLIZYNSKI, member of the Medical Research Council's external staff at the Institute of Animal Genetics, Edinburgh, Scotland. He is spending approximately 2 months working at the Cold Spring Harbor Biological Laboratory and at the Institute of Cancer Research, Philadelphia. While here he will attend the International Congress of Genetics in Montreal. He will work at Cold Spring Harbor before the conference and at Philadelphia following it.

JAMES BAILEY, consulting engineer for the Plax Corporation of Hartford, Conn., PRICE C. McLEMORE, a plantation owner of Montgomery, Ala., and GEORGE S. CRAMPTON, professor

emeritus of ophthalmology at the University of Pennsylvania Medical School, will receive Edward Longstreth medals from the Franklin Institute, Philadelphia, on 15 October. Bailey developed the plastic bottle, McLemore invented the flame-weeding process for cotton, and Crampton invented the borescope, a specialized periscope for the internal inspection of turbine shafts and various closed vessels.

AARON NOVICK, associate professor of microbiology at the University of Chicago, has been appointed professor of biology and director of the new Institute of Molecular Biology at the University of Oregon, Eugene, effective 1 January 1959.

F. DOW SMITH has resigned as chairman of the department of physics at Boston University to accept a position as director of the Physical Research Laboratories of ITEK Corporation. ROBERT S. COHEN has been appointed acting chairman of the department.

Also in the physics department, MAX JAMMER of the Hebrew University in Jerusalem has been appointed visiting professor for the academic year 1958-59.

ELIJAH ADAMS, formerly associate professor of pharmacology at the New York University College of Medicine, has assumed the post of professor of pharmacology and director of the department at the Saint Louis University School of Medicine.

LEO ZIPPIN, a member of the Queens College faculty since 1938, has been named professor of mathematics at Yeshiva University's newly created Graduate School of Mathematics. Zippin has been serving this year as a visiting professor at Columbia University.

SARA E. BRANHAM, internationally known bacteriologist, has retired from the Public Health Service's medical research center at the National Institutes of Health. Since the creation of the Division of Biologics Standards in 1955, Dr. Branham has served as chief of the division's section on bacterial toxins. During the past year, she has been concerned with the study of the components of diphtheria toxin and presented some of her work in this field at the 7th International Congress for Microbiology in Stockholm, Sweden.

For the past 30 years, Dr. Branham has been engaged in microbiological research for the Public Health Service. Specialist in the meningococcus, she has demonstrated the epidemiological differences in groups of meningococci and

has played a major role in the development of the current classification of these micro-organisms. With the advent of the sulfonamides, Dr. Branham was one of the first to study the susceptibility of various micro-organisms to these drugs. She has also devoted special attention to the toxin produced by the Shiga type of dysentery bacillus.

Dr. Branham received A.B. degrees from both Wesleyan College and the University of Colorado, and her M.D. and Ph.D. degrees from the University of Chicago. She was the recipient of the first outstanding achievement award to be given by the Wesleyan College Alumnae Association, and in 1952 received a distinguished service award from the University of Chicago Medical School Alumni Association. She also holds an honorary Sc.D. from the University of Colorado.

Recent Deaths

ANDREW E. BRYANS, West Townshend, Vt.; 65; professor of mathematics at Adelphi College in Garden City, N.Y.; formerly taught at Franklin and Marshall College; 26 July.

W. HALE CHARCH, Wilmington, Del.; 60; director of the Pioneering Research Laboratory of E. I. Du Pont de Nemours and Company; directed research that led to the development of moistureproof cellophane and various synthetic fibers, such as Orlon and Dacron; 13 July.

SAMUEL H. FLOWERMAN, New York, N.Y.; 46; supervising psychologist at the Postgraduate Center for Psychotherapy, New York, and former director of the department of scientific research of the American Jewish Committee; had been visiting professor at Columbia University and Rutgers University; coauthor of *Studies in Prejudice*; 29 July.

GREENHOW JOHNSTON, Richmond, Va.; 70; pioneer aeronautical engineer; 27 July.

HARRY D. LEINOFF, New York, N.Y.; 53; associate professor of medicine at New York Medical College; specialist in medicolegal jurisprudence; 21 July.

RALPH A. VAN METER, Harwich, Mass.; 64; president emeritus of the University of Massachusetts; dean of the School of Horticulture from 1931 to 1948; was professor of pomology for 25 years; 26 July.

Erratum: In the 1 August issue [*Science* 128, 24 (1958)] it was erroneously reported that Richmond K. Anderson of the Rockefeller Foundation and Harry C. Trimble of the Harvard Medical School had received honorary degrees from Harvard University. Anderson and Trimble received honorary doctor of science degrees from Cornell College.