

sion established, also for the first time, regulations designed to limit the radiation exposure received from atomic operations by the population as a whole. The commission said that its industrial operations must not release any radiation that might be expected to expose members of the populace to an average whole body dosage exceeding 0.5 rem per year.

News Briefs

The Institute of Mathematical Sciences at New York University offers temporary memberships to mathematicians and other scientists holding the Ph.D. degree who intend to study and do research in the fields of mathematical physics, applied mathematics, and related fields of mathematical analysis. The program is being supported by the National Science Foundation and also by funds contributed by industrial firms.

Requests for information and for application blanks should be addressed to the Membership Committee, Institute of Mathematical Sciences, 25 Waverly Place, New York 3, N.Y.

The name of the Bioacoustics Laboratory of the University of Illinois has been changed to the Biophysical Research Laboratory of the College of Engineering.

The United States, Great Britain, and the Soviet Union have set off more than twice as many atomic explosions this year as in any other year since the start of the nuclear age. So far there have been 42 announced atomic explosions—24 by the United States, 12 by the Soviet Union, and 6 by Great Britain.

The filming of the first complete course in high school chemistry will be carried out at the University of Florida. The film will be produced by the Encyclopaedia Britannica Films in time for distribution to high schools next September. The project will be financed by the Ford Fund for the Advancement of Education.

The ninth Pacific Science Congress of the Pacific Science Association opened on 18 November 1957 in Bangkok, Thailand. Orders for the Proceedings of the Congress may be placed with the Secretary-General, Dr. Charng Ratanarat, Department of Science, Ministry of Industry, Rama VI Road, Bangkok, Thailand.

The Smithsonian Institution's new Hall of North American Eskimos and Indians was opened to the public on 9 December. The new hall completes the Smithsonian's modernization of its ex-

hibits on native peoples of the Western Hemisphere. It portrays the traditional cultures of the Indians from the eastern woodlands to the Pacific Northwest and of the Eskimos from Alaska to Greenland.

Philco TechRep Division of Philco Corporation, Philadelphia, Pa., has announced that it is making the training facilities of the Philco Technological Center available to help meet the manpower shortage in technology. Among the technical training services available are specialized correspondence courses, technical books, and training devices.

Seven million dollars were contributed recently by the U.S. Government to the heads of the World Health Organization and the Pan American Sanitary Organization to further their work in assisting governments throughout the world to eradicate malaria, which infects 250 million persons each year.

General Dynamics Corporation has begun distribution to 3500 colleges and secondary schools of a long-playing record by Edward Teller on "The Size and Nature of the Universe" and "The Theory of Relativity." Included with the recording is a new "Map of the Heavens" prepared by the National Geographic Society, and a picture-caption booklet, "The Atomic Revolution," published by the corporation, which explains the theory and peaceful uses of nuclear fission and fusion.

Establishment of the Space Technology Laboratories as an autonomous operating division of the Ramo-Wooldridge Corporation, Los Angeles, Calif., was announced recently by Dean E. Wooldridge, president. The new division is an outgrowth and extension of the former Guided Missile Research Division.

Announcement has been made by United ElectroDynamics, Pasadena, Calif., of the opening of a new facility to be called the United Testing Laboratories. This is reported to be the first integrated electronic and mechanical testing laboratory on the West Coast capable of conducting performance tests on inertial guidance systems for missiles and aircraft as well as conducting complete test programs on explosive and fusing systems.

Next summer about 2500 high school and about 250 college teachers will take part in teacher-training programs at 108 summer institutes sponsored by the National Science Foundation at a cost of \$5,340,000. The Atomic Energy Commission is jointly sponsoring 12 of the institutes, which are offering courses in

radiation biology for high school teachers. The foundation grants will cover tuition costs and other fees. Most institutes will pay a weekly stipend of \$75 to participants; additional allowances for travel and for dependents will be made available. The program was started with two institutes in 1953 and expanded to 96 last summer.

Scientists in the News

On 7 November, the 100th anniversary of the birth of Bernard Nocht, the Bernard Nocht Medaille of the Hamburg Institut für Schiffs- und Tropenkrankheiten was given to ERNEST C. FAUST for his contributions to tropical medicine. Faust is William Vincent professor of tropical diseases and hygiene at Tulane University, and visiting professor on the medical faculty of the University of Valle, Cali, Colombia. He is serving as field coordinator in the Tulane-Colombia program in medical education, which is sponsored by the U.S. International Cooperation Administration and the Colombian Government to improve curricula in the seven medical schools in Colombia.

On 31 December ALAN T. WATERMAN, director of the National Science Foundation, will assume the chairmanship of the Interdepartmental Committee on Scientific Research and Development. The committee has the task of coordinating the scientific activities of a number of Government agencies, including those of the Atomic Energy Commission, the Department of Defense, and the National Science Foundation.

SAMUEL L. BUKER has joined the staff of the National Institute of Mental Health. He has been assigned to duty as mental health consultant in psychology in the Kansas City regional office of the Public Health Service, which serves Iowa, Kansas, Missouri, Nebraska, and North and South Dakota. Formerly Buker was chief clinical psychologist, Montana State Hospital and Department of Mental Hygiene.

MAURICE HILLEMANN, chief of the department of respiratory diseases at the Walter Reed Army Institute of Research in Washington, D.C., has accepted an appointment as a director of the Merck Institute for Therapeutic Research, effective 1 February. He will serve also as a member of the Scientific Operating Committee of the Merck, Sharp & Dohme Research Laboratories, a division of Merck.

In his new post, Hilleman will be responsible for the company's expanding research program in virology at West Point, Pa.

The following scientific visitors to North America from Australia have been reported by the Australian Scientific Liaison Office, 1907 K St., N.W., Washington 6, D.C.

J. L. PAWSEY, assistant chief of the Division of Radiophysics, Commonwealth Scientific and Industrial Research Organization, expects to be in the Washington area for a few weeks beginning 1 January.

J. V. SANDERS, senior research officer, Division of Tribophysics, C.S.I.R.O., is scheduled to leave London for New York on 4 January. The main object of Sander's trip is to study the latest developments in techniques in his field of work, which is concerned with topography, structure, and properties of surfaces, particularly those used for investigations of adsorption and catalysis. He will be visiting New York; Boston, Mass.; Providence, R.I.; Washington, D.C.; Charlottesville, Va.; Chicago, Ill.; and San Francisco. He will be in Washington 17-20 January.

J. R. VICKERY, chief of the Division of Food Preservation and Transport, C.S.I.R.O., will be leaving Australia in early January for the United Kingdom and will be traveling via the United States.

F. J. KERR, senior research officer, Division of Radiophysics, C.S.I.R.O., arrived in the United States on 7 December. During his stay in this country he plans to visit the observatories at Harvard University, California Institute of Technology, and in Washington, D.C., to study the present state of hydrogen-line radio astronomy.

F. BETT, research officer, Metallurgy Division, Australian Atomic Energy Commission, arrived in New York on 2 December to visit Atomics International, Inc., a subsidiary of North American Aviation in Los Angeles, for the purpose of inspecting the sodium reactor experiment and discussing sodium technology, with particular reference to compatibility problems and hot-tapping techniques.

G. C. WADE, Tasmanian Department of Agriculture, is in the United States for 1 year as a fellow of the Commonwealth Fund of New York. At present he is a research associate at the University of California. Early in January he will start a tour of this country to visit various U.S. Department of Agriculture experiment stations. His itinerary includes San Diego, Calif.; Tucson, Ariz.; Baton Rouge and New Orleans, La.; Gainesville and Orlando, Fla.; Athens, Ga.; Raleigh, N.C.; Blacksburg, Va.; and Beltsville, Md. He will be in Washington on 12 February.

JESSE T. LITTLETON, retired vice president of research, Corning Glass Works, Corning, N.Y., will receive the 1958 Toledo Glass and Ceramic Award

in Toledo, Ohio, on 20 January. The award is to be presented in conjunction with a symposium on glass melting that will take place in the Hillcrest Hotel, Toledo, with Fay V. Tooley of the University of Illinois as moderator.

ALEX J. STEIGMAN, chairman of the department of pediatrics at the University of Louisville, is spending 3 months as visiting director of professional education at the Kauikolani Children's Hospital, Honolulu, Hawaii. IRVINE McQUARRIE is retiring as director of professional education there.

LLOYD G. MUNDIE, former head of the infrared laboratory at the University of Michigan's Engineering Research Institute, has been appointed head of the infrared department of the systems division of Bendix Aviation Corporation.

RAYMOND R. EDWARDS, chairman of the department of chemistry at the University of Arkansas, has been named director of the university's newly created Graduate Institute of Technology at Little Rock. The institute was created by the Arkansas legislature in 1957 to provide advanced training for engineering and science graduates in basic science.

LLOYD P. HUNTER, manager of the physical research department of the Research Center, International Business Machines Corporation, Poughkeepsie, N.Y., has received a 1-year leave of absence to accept an invitation to spend a year at the Philips Gloeilampenfabrieken, Natuurkundig Laboratorium, Eindhoven, Netherlands.

ALEXANDER SILVERMAN, professor emeritus of chemistry, University of Pittsburgh, and a specialist in the chemistry of glass, has been chosen to receive the 1958 Albert Victor Bleining Award for achievement in ceramics. The award has been given each year since 1948 by the Pittsburgh section of the American Ceramic Society.

ALLEN S. DUNBAR, formerly manager of advanced technical planning for the Dalmo Victor Company, electronics firm in Belmont, Calif., has been named staff scientist in the Lockheed Missile Systems Division's antenna and propagation department, Sunnyvale, Calif.

DOUGLAS H. K. LEE, chief of the research branch, Office of Research and Engineering, Office of the Quartermaster General, Washington, D.C., is taking up the position of assistant scientific director for research, Quartermaster Research and Engineering Command, Natick, Mass.

STEPHEN E. MALAKER, general manager of the Daystrom Nuclear Division of Daystrom, Inc., West Caldwell, N.J., has been named professor of nuclear engineering at the Newark College of Engineering. While he will be a member of the college's department of physics and will teach both undergraduate and graduate courses, he will also serve as chairman of a faculty committee to develop a further program of education in nuclear science and engineering.

B. F. SKINNER, professor of psychology at Harvard University since 1948, will become the Edgar Pierce professor of psychology at Harvard on 1 January. He succeeds EDWIN G. BORING, who retired last summer.

MILTON GREENBERG, director of the Geophysics Research Directorate, Air Force Cambridge Research Center, Bedford, Mass., has been awarded the Exceptional Civilian Service Medal by the Secretary of the Air Force for "his unusual efforts as an organizer, manager, and leader."

RICHARD G. FOLSOM, director of the University of Michigan's Engineering Research Institute, has been elected president of Rensselaer Polytechnic Institute. He will assume the new post on 1 March, succeeding LIVINGSTON M. HOUSTON, president of R.P.I. since 1943, who is retiring.

GEORGE W. PETRIE, III, has been named to the newly created post of manager of research relations at the International Business Machines Corporation Research Center, Yorktown, N.Y. He will be in charge of all I.B.M. research relations with Government agencies, universities, and scientific societies. Petrie has been serving as program manager, special defense, at I.B.M.'s Washington, D.C., office.

FREDERICK A. WOLF, of Durham, N.C., has received the Cigar Industry Annual Research Award in recognition of his contributions to the botany and pathology of the tobacco plant. The annual award is sponsored jointly by the Cigar Manufacturers Association of America and the Cigar Institute of America.

T. FINLEY BURKE, former member of the senior staff of the Ramo-Wooldridge Corporation, has joined the Rand Corporation, Santa Monica, Calif., as a member of the senior staff of the electronics department.

Erratum: In the death notice for J. C. Jensen that appeared on page 968 of the 8 November issue of *Science*, it was incorrectly reported that Dr. Jensen had taught for 42 years at the University of Nebraska. Dr. Jensen was on the faculty of Nebraska Wesleyan University.