

S 845. Authorize Secretary of Army, Secretary of Navy, and Secretary of Air Force to make grants to certain educational institutions for construction of military and naval science buildings. Murray (D Mont.), Mansfield (D Mont.) Senate Armed Services.

H J Res 186. Provide for observance and commemoration of the 50th anniversary of the official founding and launching of the conservation movement for protection in public interest of the natural resources of the U.S. Dingell (D Mich.) House Judiciary.

HR 3631. Provide for an experimental research program in cloud modification. Hull (D Mo.) House Interstate and Foreign Commerce.

HR 3639. Relating to certain inspections and investigations in metallic and non-metallic mines and quarries (excluding coal and lignite mines) for purpose of obtaining information re health and safety conditions, accidents, and occupational diseases therein. Metcalf (D Mont.) House Education and Labor.

S 868. Provide a 30-percent credit against Federal individual income tax for amounts paid as tuition or fees to certain public and private institutions of higher education. Humphrey (D Minn.) Senate Finance.

Scientists in the News

J. ROBERT OPPENHEIMER, director of the Institute for Advanced Study at Princeton, N.J., has been selected to deliver the William James lectures at Harvard University during April and May. The eight lectures on "The hope of order," which are being given under the joint auspices of the department of philosophy and psychology, will analyze the unprecedented nature of our times compared with the high cultures of the past in the rapid increase of knowledge, the multiplicity of human communities, and the increasing difficulty of communication. Oppenheimer will discuss how science has contributed to this state of affairs through the rapidity of its advance, the radical and varied nature of its means of acquiring new knowledge, and through its application to technology and a new economy.

ELMER HUTCHISSON, dean of the graduate school and director of the research division of the Case Institute of Technology, has been named director of the American Institute of Physics. He succeeds HENRY A. BARTON, who has been director of the AIP since its formation in 1931, and who will continue to be associated with the institute on a part-time basis with the title of associate director. The change will take place on 1 July.

STUART PATTON, associate professor of dairy science at Pennsylvania State University, received the \$1000 Borden award in the chemistry of milk at Miami, Fla., on 8 Apr. during the 131st national meeting of the American Chemical Society. Patton has done outstanding work in dairy chemistry, especially on the identification and method of formation of objectionably flavored compounds in dairy products. His diversified research includes studies of heat-induced flavors in milk, the manufacture of butter-oil, and the color changes in evaporated milk. Others who were presented with awards at the same time included the following:

PETER J. W. DEBYE, emeritus professor of chemistry, Cornell University, received the \$1000 Kendall Company award in colloid chemistry. Debye, who earned the Nobel prize in 1936 for his contributions to knowledge of the structure of molecules, was honored for his continuously active research. The light-scattering techniques that he devised have proved their worth in the study of polymers and are now finding extended use in colloid chemistry. Debye's recent work has included studies of polymer solutions and of solutions of soap and silicates.

G. ROBERT GREENBERG, associate professor of biochemistry at Western Reserve University's School of Medicine, received the \$1000 Paul-Lewis Laboratories award in enzyme chemistry for his contributions to the understanding of how purines—components of nucleic acids—are formed. Greenberg's investigations of purines have led to new concepts in body chemistry.

RALPH MÜLLER, staff member in charge of special instrumentation problems at the Los Alamos Scientific Laboratory of the University of California, received the \$1000 Beckman award in chemical instrumentation. Müller is credited with playing a major role for the past 15 years in the growth of instrumentation as a distinct branch of science. His pioneering studies on instruments to analyze compounds by specific measurement of such properties as light intensity, radiant energy, and color have resulted in the development of automatic devices that have proved valuable to chemists. He is coauthor of one of the first books on electronics written especially for the chemist, and since 1946 has been describing progress in analytical instrumentation in a monthly column that appears in *Analytical Chemistry*.

CLARENCE B. LINDQUIST, head of the department of mathematics and engineering at the University of Minnesota, Duluth, has been appointed chief for natural science and mathematics in the Division of Higher Education of the U.S. Office of Education.

JAMES C. LANDES, who recently completed 3 years as a project engineer in the industrial waste department of Infilco, Inc., Tucson, Ariz., has accepted a position as bacteriologist in Eli Lilly Company's biological development department.

ARTHUR W. WESTON, former assistant director of development at Abbott Laboratories, Chicago, Ill., has been appointed as the laboratory's director of research. He succeeds ROBERT D. COGHILL, who has resigned but who will continue until April to serve as a consultant.

DARYL M. CHAPIN, CALVIN S. FULLER, and GERALD L. PEARSON, all members of the technical staff of the Bell Telephone Laboratories, have received John Scott medals for their development of the Bell solar battery. The medals were accompanied by a premium of \$2000 that was divided equally among the three recipients.

The Scott medal is named for John Scott, a chemist of Edinburgh, Scotland, whose will in 1816 established the award and entrusted its administration to the City of Philadelphia. He instructed that it be given to "ingenious men and women who make useful inventions." Originally the premium accompanying the medal was \$20, but over the years the legacy of \$4000 has grown to approximately \$110,000, and the premium has been increased.

GEORGE SASLOW, who is at present clinical professor of psychiatry at Harvard University Medical School and chief of psychiatry, Massachusetts General Hospital, Boston, has been named to head the University of Oregon Medical School's department of psychiatry. He succeeds HENRY H. DIXON, who will continue on the staff as clinical professor of psychiatry.

A second appointment at Oregon is that of JOSEPH D. MATARAZZO as professor of medical psychology. Matarazzo is associate psychologist at Massachusetts General Hospital and research associate at the Harvard Medical School. Both appointments become effective on 1 June.

Two new departments have been created in Eli Lilly and Company's pharmacological division. Named to head the pharmacodynamics department is FRANCIS G. HENDERSON; IRWIN H. SLATER has been promoted to head of the neuropharmacology department. Neuropharmacology deals with all drugs that act on the nervous system. The pharmacodynamics department is concerned with drug action on systems of the body other than the nervous system.

NATHAN MARCUVITZ, professor of electrical engineering at the Polytechnic Institute of Brooklyn, has been appointed director of Polytechnic's Microwave Research Institute. HERBERT J. CARLIN, a research professor, has been named associate director.

E. M. JELLINEK, specialist in alcoholism, has arrived in this country from Switzerland to lay the foundation for a 2-year world-wide survey of the progress being made in the control of alcoholism. The survey will be conducted under the auspices of the Christopher D. Smithers Foundation, New York, which will publish the findings of the completed survey in monograph form.

Jellinek is a pioneer in the movement to control alcoholism. For a period of 7 years, until his retirement in 1956, he was consultant on alcoholism to the World Health Organization. He is now secretary general of the International Institute for Research in Problems of Alcohol with headquarters in Geneva, Switzerland.

In the United States, where much of his first work was carried out, Jellinek is regarded as the father of the movement against alcoholism as a disease. Among his most significant achievements in the United States are his founding of the first two clinics for the diagnosis and treatment of alcoholics in Hartford and New Haven, Conn.

FREDERICK C. STEWARD, professor of botany at Cornell University since 1950, has been named a fellow of the Royal Society, England. Each year the society elects a maximum of 25 fellows from all branches of science, as well as certain foreign fellows. Steward, born and educated in England, will be a fellow rather than a foreign fellow.

Steward works in the physiology of plant nutrition, metabolism, and growth. He was perhaps the first to investigate the mechanism of salt absorption by plants; and recently, with his associates, he has been responsible for detecting, isolating, and identifying a number of soluble nitrogen compounds in common plants. Among these are gamma-aminobutyric acid in the Irish potato, pipercolic acid in green beans, and new amino acids in such plants as dates and tulips. New chromatographic techniques have made this work possible.

IRVING H. SHAMES, formerly of the University of Maryland and Stevens Institute of Technology, has been named head of the newly formed department of engineering science of the Pratt Institute Engineering School. This new department will teach a considerable portion of the basic engineering science for all other departments.

WOLFGANG KOHLER, internationally known psychologist, is spending the spring term at Michigan State University as this year's distinguished visiting professor. Kohler is one of the three founders of Gestalt psychology, which not only altered much thinking in psychology but stimulated much new research in related fields as well. Kohler, who was born in Reval, Estonia, had an illustrious career in Europe before joining the faculty of Swarthmore College in 1935. During 1955-56 he was on leave at the Institute for Advanced Study, Princeton.

ARTHUR CRONQUIST, an associate curator of the New York Botanical Garden, has been appointed curator. RICHARD M. KLEIN, also an associate curator of the garden, has been named Alfred H. Caspary curator. This latter post has been endowed by a grant from the estate of Alfred H. Caspary. The incumbent will devote himself to investigations of the relation of plants to the health and well-being of man and to coordination of the work of the Botanical Garden in this area with that of the Rockefeller Institute for Medical Research.

FRITZ KLEIN of the Weizmann Institute of Science at Rehovot, Israel, will be the guest speaker on 7 May at the scientists' United Jewish Appeal annual campaign meeting that will take place at U.J.A. headquarters in New York. Klein, who is at present working at the Brookhaven National Laboratories, will discuss "The future of atomic energy in Israel."

HIDEKI YUKAWA, Nobel prize winner, resigned as a member of the Japanese Atomic Energy Commission on 18 Mar. on the ground of illness.

SERGE A. KORFF, professor of physics at New York University and a specialist in cosmic rays, has received the French Government's Order of Merit for Research and Invention.

CLAUDE E. FORKNER, R. TOWNLEY PATON, LELAND R. ROBINSON, and ALLEN O. WHIPPLE, all New York physicians, recently received the Royal Order of Homayun from Iranian Ambassador Ali Amini in recognition of their service in the foundation and operation of Nemazee Hospital at Shiraz, capital of Fars Province in southern Iran, and in development of the Shiraz public water system. The four doctors have long been associated with Iran and all are members of the board of the Iran Foundation, Inc., which administers Nemazee Hospital and other health and education activities in Iran.

JAMES H. KETTERING, chemist at the Naval Research Laboratory, Washington, D.C., for 39 years, was presented with a letter of appreciation by the director of the laboratory when he retired on 31 Mar.

JEROME C. HUNSAKER, member and former chairman of the National Advisory Committee for Aeronautics, has received the Distinguished Service Medal, the committee's highest award. Hunsaker, who was a member of the committee in 1922-23 and who has been a member since 1938, was chairman from 1941 until last October, when he declined renomination and was succeeded by JAMES H. DOOLITTLE. The NACA cited Hunsaker for "service of fundamental significance to aeronautical science, climaxed by an outstanding and unparalleled record of leadership during the past 15 years. . ."

Recent Deaths

CARL E. F. GUTERMAN, Ithaca, N.Y.; 53; director of research at the State College of Agriculture and Home Economics at Cornell University and director of the Cornell agricultural experiment station; 27 Mar.

ELWELL F. KIMBALL, Glen Rock, N.J.; 84; dean emeritus of Fairleigh Dickinson University; 27 Mar.

CLARENCE D. KING, Pittsburgh, Pa.; 64; metallurgical engineer and assistant to the executive vice president of the United States Steel Corporation; 24 Mar.

JAMES LAMBERT, Ormond Beach, Fla.; 74; former superintendent of the Botanical Gardens and the Morris Arboretum of the University of Pennsylvania; 27 Mar.

WILLIS I. MILHAM, Williamstown, Mass.; 83; Field memorial professor of astronomy emeritus, Williams College; 23 Mar.

CHARLES H. PHIFER, Chicago, Ill.; 77; professor of surgery at the University of Illinois; 27 Mar.

WINTHROP M. RICE, Stamford, Conn.; 79; engineer, president of Gielow, Inc., naval architects and marine engineers; 26 Mar.

ROY J. RINEHART, Kansas City, Mo.; 76; dean of the School of Dentistry at the University of Kansas City; 22 Mar.

ROYAL L. SHUMAN, Caldwell, N.J.; 77; chemical engineer; 27 Mar.

JOSEPH R. SLEVIN, San Francisco, Calif.; 76; curator of the department of herpetology at the California Academy of Sciences; 15 Feb.

HENRY R. WAGNER, San Marino, Calif.; 94; mining engineer and historian; 28 Mar.