

search Service, Beltsville, Md., chairman; G. J. Haeussler (Entomological Society of America), USDA, Agricultural Research Service, Beltsville, Md.; Sterling B. Hendricks (American Society of Plant Physiologists), USDA, Plant Industry Station, Beltsville, Md.; Iver J. Johnson (American Society of Agronomy), Iowa State College, Ames; F. C. Stark, Jr. (American Society for Horticultural Science), University of Maryland, College Park; G. Ledyard Stebbins, Jr. (Genetics Society of America), University of California, Davis; E. E. Wilson (American Phytopathology Society), University of California, Davis. Nominations for the Campbell Award may be made to any member of the Award Committee.

NSF Federal Manpower Report

Some 142,000 Federal employees, including 37,000 scientists and engineers, were engaged in the conduct of research and development and related activities in 1953-54, according to the National Science Foundation. The figure represents 7 percent of the total Federal personnel in that fiscal year.

In addition, 77,000 persons, or 2 percent, of all military personnel were also engaged in scientific activities. Of this total, approximately 9000 were scientists and engineers, while the rest were supporting personnel.

Conservation Fellowships

The National Wildlife Federation has announced its 1958-59 scholarships and fellowships in conservation, for which an applicant need not necessarily be enrolled at an institution of higher learning if his project or proposal has merit in the cause of conservation. Completed application forms must be postmarked on or before *31 December*. Application blanks and further information may be obtained from Ernest Swift, Executive Director, National Wildlife Federation, 232 Carroll Street, NW, Washington 12, D.C.

Aeronautical Fellowship

The Institute of the Aeronautical Sciences has announced the availability of its Flight Test Engineering Fellowship at Princeton. An applicant must be a U.S. citizen and have a bachelor's degree in engineering by June 1958. The stipend is \$4700 for a 2-year period. Applications, endorsed by a sponsor, must be mailed *before 1 March* to: Flight Test, Institute of the Aeronautical Sciences, 2 E. 64 St., New York 21, N.Y.

Jackson Imports British Mice

The Roscoe B. Jackson Memorial Laboratory, Bar Harbor, Me., has announced that mice carrying five genes never before available in the United States were imported from England last summer and will join the main laboratory colony in the near future. These particular genes, of significant value in physiological and developmental studies and in chromosome mapping, are Hertwig's Anemia, Matted, Patch, Dilute Lethal, and Oligosyndactyly.

Due to the ever-present danger of introducing disease into the Jackson mouse colony, it is necessary that an elaborate quarantine procedure be carried out before imported animals are fully accepted. For about 8 weeks the 48 new animals were kept in special quarters well away from the Bar Harbor laboratories. There they were subjected to a series of tests that proved that they were free of ectromelia, or mouse pox, the disease most feared. Now the imported mice are in the isolation ward of Jackson Memorial's main laboratory.

Pharmacognosy Awards

Competition for the three annual \$250 Edwin L. Newcomb Memorial Awards in Pharmacognosy has been announced by the American Foundation for Pharmaceutical Education. These are open to undergraduate and graduate pharmacy students, and to teachers, research workers, and industrial scientists. Published and unpublished papers on pharmacognosy must be submitted *before 1 February* to the chairman of the Awards Committee, H. W. Youngken, Massachusetts College of Pharmacy, Boston, Mass.

Committee on Chronic Illness and Health of the Aged

Surgeon General Leroy Burney has appointed a 13-member National Advisory Committee on Chronic Illness and Health of the Aged that includes specialists in medical education, geriatrics, physical and industrial medicine, nursing, care of the aged, public health, and public welfare. The committee members will review the medical, social, and economic problems associated with illness and aging, and will consult with and advise the Surgeon General on the development of Public Health Service policy and programs in these fields.

One out of every 25 persons in the United States today has been disabled for more than 3 months with some chronic illness. Furthermore, since 1900 the number of people 45 and over has increased $3\frac{1}{2}$ times. Today more than 40

million people, approximately 30 percent of the total population, are in this age group. By 1970 their number is expected to increase to 61 million. Moreover, 40 percent of the chronically ill in this country are persons 65 years of age and over, of whom there are now 14 million in the United States.

News Briefs

UNESCO has announced that the emphasis of this year's Human Rights Day, 10 December, will be on educational institutions, teachers, and other groups concerned with education. It is hoped that educationalists will help to lay the groundwork for a widespread and effective observance next year of the tenth anniversary of the adoption of the Universal Declaration of Human Rights.

* * *

The Society for the Rehabilitation of the Facially Disfigured has given New York University-Bellevue Medical Center a \$1-million grant, which was made possible by the Avalon Foundation, to put up a new Institute of Reconstructive Plastic Surgery. The institute will be located in a new 19-story hospital to be built at the Medical Center. The grant also provides for an endowed chair of plastic surgery, to be known as the Lawrence C. Bell Chair. The first incumbent will be John M. Converse, professor of surgery at N.Y.U. College of Medicine.

* * *

A new electronic company, Digital Equipment Corporation, has been established in Maynard, Mass., with the backing of the American Research and Development Corporation of Boston. The new company was organized to provide testing equipment for the U.S. computer industry. Officers include Kenneth H. Olsen, president, and Harlan E. Anderson, vice president; both have been active in the design and application of advanced computers and were staff members of the Lincoln Laboratory of the Massachusetts Institute of Technology.

Scientists in the News

GEORGE B. PEGRAM, pioneering nuclear physicist and vice president emeritus of Columbia University, has received the first Karl Taylor Compton Gold Medal of the American Institute of Physics. Presentation was made by Britain's Prince Philip in conjunction with the dedication of the institute's new building at 335 E. 45 St., New York.

ERNEST P. PICK, internationally known pharmacologist of the Merck Institute for Therapeutic Research, has received the Schmiedeberg award of the

German Pharmacological Society. Pick became associated with the Merck Institute after coming to this country in 1939. Prior to that, he was a member of the medical faculty of the University of Vienna for 34 years, and dean of its medical faculty in 1932 and 1933. At the age of 86, he is still conducting research in the Merck Laboratories.

PRINCE PHILIP, DUKE OF EDINBURGH, received the National Geographic Society's Gold Medal for service to geography during his recent visit to this country. The inscription to the Prince described him as one "whose questing spirit has taken him to the far corners of the globe and brought to millions a better understanding of our planet and its peoples."

FRED HOYLE has been appointed Assistant White Greenway visiting professor of astronomy at California Institute of Technology. Each year he will spend the fall term in residence.

Other institute appointments include: C. H. E. WARREN, senior member, scientific research staff of the Royal Air Force Establishment, England, senior research fellow in aeronautics; GEORGE M. BROWN, on leave as associate professor at the University of Maryland, and EDWARD L. KING, on leave as associate professor at the University of Wisconsin, senior research fellows in chemistry; and WALTER E. MEYERHOFF, on leave as associate professor at Stanford University, senior research fellow in physics.

ALBERT R. MEAD, for the past year acting head of the department of zoology at the University of Arizona, has been appointed head of the department. In the same department, WILLIAM H. BROWN is on sabbatical leave visiting European universities.

S. ALLAN LOUGH has been appointed director of the Atomic Energy Commission's Health and Safety Laboratory in New York. Since October 1956 he has served as deputy director. He succeeds MERRILL EISENBUD, who became director in 1949. Eisenbud will continue as manager of the commission's New York office.

JOSEPH L. MELNICK, professor of epidemiology at Yale University School of Medicine, has been appointed to the staff of the Division of Biologics Standards at the National Institutes of Health, where he will serve as chief of both the Laboratory of Viral Products and the Virus Research Section. Melnick's research for the past several years has been concentrated largely in the new field of enteric viruses.

CLEMENT A. SMITH, associate professor of pediatrics at the Boston Lying-In Hospital, the Children's Hospital, and Harvard Medical School, has received the first Arvo Ylppö medal, honoring the founder of the modern practice of pediatrics in Finland. The presentation took place in Helsinki on 26 October, the 70th birthday of Dr. Ylppö, who is professor of pediatrics at Helsinki University and internationally known for his pediatric research. Smith was selected to receive the first gold medal for his basic research in the care of premature infants. Ylppö also received a gold medal during the presentation ceremonies.

The Arvo Ylppö Medal henceforth will be awarded every fifth year to both a Finnish and a foreign scientist. The recipients' contributions must be international in importance and must be related to research dealing with prematurity. Subsequent medals will be struck in silver. The award has been established by four Finnish organizations: The Mannerheim League for Child Welfare; the Finnish Pediatric Association; the Foundation for Support of Pediatric Research; and the Orion Company, manufacturers of pharmaceuticals.

ALAN T. WAGER is chairman of the new department of physics at Arizona State College. The department was created during the recent reorganization of the institution's Liberal Arts College.

At the recent National Electronics Conference in Chicago, two scientists were honored for papers presented at previous meetings. LEON BRILLOUIN, New York City science consultant, received the \$750 NEC Award of Merit for his paper on "A Theorem of Larmor and Its Importance for Electrons in Magnetic Fields," which was presented at the 1944 NEC meeting. ISAAC M. HOROWITZ of the Polytechnic Institute of Brooklyn received the \$500 NEC Annual Award for his paper on "R-C Transistor Network Synthesis," which he gave at the 1956 conference.

PAUL A. WEISS, member and professor of the Rockefeller Institute and head of the laboratory of developmental biology, recently received the 500,000th microscope made by the century-old firm of Ernst Leitz, of Germany, at a brief ceremony in his laboratory. The presentation of the microscope was in the tradition of special recognition given by the Leitz organization to internationally known scientists for fundamental contributions to the knowledge of living structures and their development and pathology. Weiss is the first American to be so honored. Robert Koch, discoverer of the tubercle bacillus and founder of modern bacteriology, received the

100,000th Leitz microscope in 1907; Paul Ehrlich, pioneer in chemotherapy, the 150,000th in 1912; Martin Heidenhain, histologist, the 200,000th in 1921; Ludwig Aschoff, founder of modern pathology, the 300,000th in 1930; and Gerhard Domagk, Nobel prize winner for chemotherapy, the 400,000th in 1949.

HUGO L. BLOMQUIST, member of the botany department at Duke University since 1920, and chairman from 1930 to 1954, has retired. In the same department, ROBERT L. WILBUR, formerly at North Carolina State College, has been named taxonomist and curator of the Vascular Herbarium.

Raytheon Manufacturing Company has announced the election of two new vice-presidents: DAVID D. COFFIN, electrical engineer and manager of the Missile Systems Division, and THOMAS H. JOHNSON, physicist and manager of the Research Division.

RICHARD G. EARNSHAW of Manchester, England, is serving as visiting associate professor of dental materials at the Northwestern University dental school. He is on a year's leave of absence as lecturer in prosthetics at the University of Manchester.

The Executive Committee of the World Meteorological Organization has just awarded posthumously to CARL G. ROSSBY of Stockholm the annual prize created to commemorate the International Meteorological Organization. Rossby, who died on 19 August 1957, was a pioneer in meteorological research. Born in Stockholm in 1898, he studied in Sweden and Norway and then in 1926 came to the United States.

In this country he worked at Massachusetts Institute of Technology, where he established a chair of meteorology that he occupied until 1939. After being scientific adviser to the American Meteorological Service (U.S. Weather Bureau), he was named professor at the University of Chicago. Beginning in 1947, Rossby has been dividing his time between his scientific work in the United States and direction of the International Meteorological Institute that he had founded in Stockholm.

ARTHUR E. RAYMOND, vice president for engineering at Douglas Aircraft Company, is to receive the 1957 Daniel Guggenheim Medal "for notable achievements in the advancement of aeronautics." The medal will be presented on 28 January 1958 during the honors night dinner of the Institute of the Aeronautical Sciences at the Hotel Sheraton-Astor, New York. Raymond is the 29th recipient of the award.

PETER FORTESCUE, a British nuclear engineer, has joined the General Atomic Division of General Dynamics Corporation, San Diego, Calif., as chief research and development engineer. In 1947 Fortescue became a member of the staff of Britain's Atomic Energy Research Establishment at Harwell. He assisted in the establishment of a laboratory to deal with a wide range of engineering problems associated with programs for power reactors and diffusion plants. This work included the development of cooling arrangements for the Calder Hall reactors.

GAELLEN L. FELT, an assistant division leader in the Test Division of the University of California's Los Alamos Scientific Laboratory, has left the laboratory after an affiliation of 12 years to accept a position with the Ramo-Wooldrige Corporation in Los Angeles, Calif. There he will be the Titan flight-test director of the Guided Missile Research Division. This division has responsibility for systems engineering and technical direction for the U.S. Air Force ballistic missile program, which includes the ICBM Atlas and Titan, and IRBM Thor. During past weapon tests in Nevada, Felt has been deputy test director for the joint Atomic Energy Commission-Department of Defense test organization, and at Eniwetok he was commander of a task group that conducted scientific experiments.

Staff appointments for the new department of neurology at Wayne State University College of Medicine were announced last month by JOHN S. MEYER, department chairman. Those named included: RUSSELL T. COSTELLO, clinical professor, and JACOB L. CHASON, associate professor and pathologist-in-chief.

A neurological teaching service has been established with a total of 33 neuro-medical beds: Detroit's Receiving Hospital has assigned 15 beds; Lafayette Clinic, which is adjacent to the College of Medicine science building, has established an 18-bed neurological ward. Wayne now provides the only university neurological training program in Detroit.

SIR FRANK WHITTLE, British inventor of the turbo-jet engine, has received the 1957 John Scott Medal, which includes a scroll and \$1000. The presentation was made at the United States Embassy in London, on behalf of the City Trusts of Philadelphia, trustees of the John Scott legacy.

ROBERT H. WASSERMAN, bacteriologist and animal nutritionist, has resigned as a senior scientist in the Medical Division of the Oak Ridge Institute of Nuclear Studies to accept the post of research associate at Cornell University.

WILLIAM J. MORGAN, chief of the motivation and development branch in the Office of the Chief of Staff, Department of the Army, has resigned his position in order to devote full time as a consulting psychologist for Aptitude Associates, Inc., of Merrifield, Va.

GEORGE PIMENTEL, associate professor of chemistry at the University of California, has received the seventh annual award of the California Section of the American Chemical Society for his work in infrared spectroscopy, and especially for his development of unusual techniques for the infrared study of free radicals. The purpose of the award is to recognize achievement by a chemist under 40 years of age who is a resident of one of the 11 Western states.

Recent Deaths

REGINALD M. ATWATER, Bronxville, N.Y.; 65; executive secretary of the American Public Health Association since 1935; managing editor of the *American Journal of Public Health* and special consultant to the U.S. Public Health Service; in the 1920's he was an associate professor of hygiene at Hunan-Yale College of Medicine in Changsha, China, and medical officer of the Kuling Estate in Kiangsi; 18 Oct.

GEORGE A. CLARK, Scranton, Pa.; 66; pathologist and cancer researcher who conducted investigations at the National Cancer Institute, 1930-38; 18 Oct.

SAMUEL A. DEEL, Topeka, Kan.; 79; professor of physics at Baker University, 1908 to 1939; was employed at U.S. Coast and Geodetic Survey in Washington, D.C., 1942 to 1948; 10 Sept.

J. C. JENSEN, Lincoln, Neb.; 76; physicist and pioneer in radio transmission; taught at the University of Nebraska for 42 years and retired in 1952; 19 Oct.

MORRIS S. KHARASCH, Chicago; 62; director of the Institute of Organic Chemistry at the University of Chicago; widely known for development of chemical compounds, including disinfectants; 9 Oct.

GEORGE LAWTON, New York, N.Y.; 57; psychologist, educator, and author whose writings included *Straight to the Heart*, a personal account of the thoughts and feelings of a heart-surgery patient; lecturer on adjustment and marital relations at Columbia University's School of General Studies; founder of the New York Association of Clinical Psychologists; 8 Oct.

ALFRED J. LIEBMAN, New York, N.Y.; 72; research chemist and president of the Schenley Research Institute; in World War II served as a member of

the War Production Board's penicillin producers industry advisory committee; 11 Oct.

FELIX MANDL, Vienna, Austria; 65; surgeon, cancer specialist and head of the surgical staff of Franz Joseph Hospital, Vienna; directed the Surgical College of Hadassah University in Jerusalem from 1939 to 1947; 14 Oct.

PAUL D. MERICA, Tarrytown, N.Y.; 68; metallurgist; former president, International Nickel Company of Canada, Ltd., and of the International Nickel Company, Inc., with which he had been associated since 1919; member of the National Academy of Sciences; 20 Oct.

OTTO RAHN, Millboro, Del.; 76; former professor of dairy physics and one-time head of the Preussischen Versuchs-und-Forschungsanstalt für Milchwirtschaft, Kiel, Germany; was professor of bacteriology at Cornell University; 26 Sept.

WALTER H. SCHAEFER, Marquette, Mich.; 55; physiologist, professor of biology at Northern Michigan College since 1946; also was a faculty associate at Horace H. Rackham School of Graduate Studies, University of Michigan; 14 Sept.

F. DESMOND SPRAGUE, Bennington, Vt.; 69; electrical engineer; aided in the development of railroad safety-control equipment; 8 Oct.

ARLOW B. STOUT, Pleasantville, N.Y.; 81; botanist, curator emeritus of the New York Botanical Garden, which he joined as a director of laboratories in 1911; specialist in experimental studies on the nature and genetics of intraspecific self and cross incompatibilities in the sexual reproduction of flowering plants; 12 Oct.

GEORGE M. STRATTON, Berkeley, Calif.; 92; founder of the University of California's department of psychology and for many years its chairman; professor emeritus of psychology since 1935; known for his experiments involving the wearing of eyeglasses with lenses that inverted the image to study human adjustment to suddenly reversed perception; member of the National Academy of Sciences; 9 Oct.

ARCHIE THORNTON, Poughkeepsie, N.Y.; 63; writer on horticulture; instructor at New York Botanical Garden in 1956; 19 Oct.

R. L. WESTHAFFER, professor of mathematics at New Mexico College of Agriculture and Mechanic Arts; past president of the Southwestern Division of the American Mathematical Society; 5 July.

DE FOREST P. WILLARD, Sea Island, Ga.; 73; former professor of orthopedics in the Graduate School of Medicine at the University of Pennsylvania; a past president of the American Orthopedic Association; 3 Oct.