

age of 1.6 percent. Numerically, Asia leads the world with some 24 million additions annually.

Children born in the Netherlands have a longer life expectancy than anywhere else in the world—71 years for males, 74 for females. India, on the other hand, has the shortest life expectancy—32 years for both males and females.

Among men up to the age of 45, accidents, and especially motor vehicle accidents, constitute one of the leading causes of death. Luxembourg leads all other countries in the number of deaths from motor accidents—28.5 per 100,000.

Between the ages of 45 and 64 cancer is the leading cause of death for both men and women in all countries for which statistics are available.

The 664-page *Yearbook* has been compiled by the U.N. Statistical Office on the basis of information received from governments. The new issue features mortality statistics by age, sex, occupation, cause, and so forth. In addition, the *Yearbook* shows the population of every part of the world and the percentage of its increase since 1953, the population density, birth rates, marriage rates, divorce rates, life expectancy, and migration statistics. Since the data coming from advanced and less well developed areas are of unequal quality, they contain weaknesses. Nevertheless, they reveal the problems which must be solved to bring economic and social development abreast of population growth.

New Journals

New Zealand Journal of Geology and Geophysics, vol. 1, No. 1, Feb. 1958. Mabel Rice, Ed. New Zealand Department of Scientific and Industrial Research, Box 8018, Wellington, N.Z. Bimonthly. 30s.

New Zealand Journal of Science, vol. 1, No. 1, Mar. 1958. Mabel Rice, Ed. New Zealand Department of Scientific and Industrial Research, Box 8018, Wellington, N.Z. Quarterly. 20s.

Revista del Servicio Nacional de Salud, vol. 1, No. 1, Oct. 1956. Guillermo Valenzuela Lavin, Ed. Servicio Nacional Salud, Santiago, Chile. Bimonthly. \$6.

Revista de la Sociedad Cubana de Historia de la Medicina, vol. 1, No. 1, Jan.-Mar. 1958. Horacio Abascal, Ed. Sociedad Cubana de Historia de la Medicina, Academia de Ciencias, Habana, Cuba. \$2.

Technical Progress Review, vol. 1, No. 1, Mar. 1958. U.S. Atomic Energy Commission, Washington, D.C. Quarterly. \$2. (Order from Superintendent of Documents, Government Printing Office, Washington 25.)

Vigyan Shikshak, The Science Teacher, vol. 1, No. 1, Jan. 1957. V. N. Wanchoo,

Ed. All India Science Teachers' Association, New Delhi 8, India. Quarterly. \$2.

WEAR. An international journal on fundamentals of friction, lubrication, wear, and their control in industry, vol. 1, No. 1, Aug. 1957. G. Salomon, Ed. Elsevier, Amsterdam and New York. Bimonthly. \$15.

What's New in Agriculture, vol. 1, No. 1, Apr. 1958. G. W. Stamm, Ed. Farm Science Syndicate, Evanston, Ill. Bi-weekly. \$15.

News Briefs

The Atomic Energy Commission and the Department of Defense have announced that the demonstration program for U.N. scientific observers of U.S. progress in reducing radioactive fallout in proportion to total yield of nuclear weapons may be expected to begin no earlier than 3 August and probably will start 10 August. The detonation that is to be a central feature of the demonstration has been designated by the code name Pinon.

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National surveys of laboratory animals are being completed by the International Committee on Laboratory Animals which met recently at Unesco House in Paris. The committee, under Unesco sponsorship, will soon make available reports from the Benelux countries, France, India, Italy, Japan, the Scandinavian countries, Switzerland, the United Kingdom, and the United States. The committee has begun a compilation of regulations pertaining to animal import and export. ICLA plans a symposium on "Living Animal Material for Biological Research" to be held in September, near Paris.

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A new standard is available for devices that convert sounds from electric to acoustic systems. It is the *American Standard Z24.24-1957, Procedures for Calibration of Electroacoustic Transducers, Particularly for Use in Water*, just published by the American Standards Association, 70 E. 45 St., New York 17.

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The Atomic Energy Commission has confirmed that for the past several months a comprehensive review of its organization has been in progress. The study was conducted by a small task force headed by Assistant General Manager Harry S. Traynor in collaboration with John G. Adams, attorney and consultant.

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The *Manchester Guardian* has recently pointed out that the word "scientist" did not exist prior to 1840. Writing in volume 1 of the *Philosophy of the Inductive Sciences*, Rev. William Whewell com-

mented, "We need very much a name to describe a cultivator of Sciences in general. I should incline to call him a Scientist." Previously, journal articles described such folk as "men of science."

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Two leading institutions in Seoul, Korea, Chosun Christian University and Severance Union Medical College, have been united under the name of Yonsei University. The new coeducational university, with an enrollment of some 4000 students, begins its existence with two major building programs under way—the rehabilitation program initiated by Chosun Christian and the new medical school and hospital complex that was started by Severance Union. In addition, a recent grant from the China Medical Board of New York, Inc., provides \$450,000 toward a building for the teaching of the basic medical sciences in the medical school.

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In the university city of Aleppo, Syria, a Syrian Society for Scholarly and Scientific Research has been founded. Its task is to further all scholarly and scientific research and to report on new discoveries in other parts of the world and draw attention to their value. The president of the society is Mohamed Yahia Haschmi.

Scientists in the News

DETLEV W. BRONK, president of the National Academy of Sciences and of the Rockefeller Institute for Medical Research, and LINUS C. PAULING, Nobel laureate and professor of chemistry at California Institute of Technology, have been awarded membership in the Soviet Academy of Sciences. They were among the first group of non-Soviet citizens to be honored in this way. In the past, the U.S.S.R. has recognized outstanding work by foreign scientists through "peace prizes," awards that usually took political factors into consideration.

The Soviet Academy elected 26 new Russian academicians and 55 corresponding members. The appointments raised total membership to 167 academicians and 361 corresponding members.

The new foreign members included two Canadians, EDGAR STACY and WILDER PENFIELD, and three Britains: Sir CYRIL HINSHELWOOD, president of the Royal Society; JOHN D. BERNAL, physicist at Cambridge University; and CECIL F. POWELL, physicist at the University of Bristol. Other scientists elected included representatives of France, Italy, the United Arab Republic, Sweden, East Germany, the People's Republic of China, Poland, Yugoslavia, Japan, and Belgium.

The Department of State has announced the appointment of LARKIN H. FARINHOLT as deputy science adviser. Since 1947 he has been a member of the chemistry faculty of Columbia University. He has left his post there as professor of chemistry and director of chemical laboratories to take up his new duties in Washington.

The 11th World Health Assembly, which met in Minneapolis in May and early June, elected LEROY E. BURNEY, the Surgeon General of the United States, as president of the assembly. He succeeded SABIN HASSAN AL-WAHBI of Iraq. Vice presidents elected by the World Health Organization were J. ANOUTI, Director General, Ministry of Public Health, Lebanon; TRAN VY, Health Minister, Vietnam; and A. SAUTER, Director of Public Health, Switzerland.

N. N. PESONEN, Director General of the State Medical Board of Finland, was chosen chairman of the committee on programs and budget, while S. KHANACHET, member of the Saudi Arabian Legation at Bonn, was selected to head the committee on administration, finance, and legal matters.

Burney, as president of the assembly, presented the Leon Bernard Foundation Prize to THOMAS PARRAN, former U.S. Surgeon General. The prize was established by the League of Nations in recognition of outstanding achievements in the field of social medicine. Parran was chosen because of his contributions to the development of U.S. public health services, and particularly for his part in expanding national control programs against venereal diseases, tuberculosis and cancer, and for providing assistance to states establishing large-scale programs of grants for hospital construction.

The following members of the Harvard Faculty of Public Health retired on 1 July: JOHN E. GORDON became professor of preventive medicine and epidemiology, emeritus; HAROLD C. STUART became professor of maternal and child health, emeritus; and FRANZ GOLDMAN became associate professor of medical care, emeritus.

CARLOS L. GONZALEZ, Minister of Health of Venezuela, has been appointed assistant director of the Pan American Sanitary Bureau, Regional Office of the World Health Organization in Washington, D.C.

CHAUNCEY STARR, vice president of North American Aviation, Inc., and general manager of its Atomic International Division in Canoga Park, Calif., has been elected president of the American Nuclear Society.

Major General ALVIN R. LUEDECKE, U.S. Air Force, has been appointed general manager of the Atomic Energy Commission. He succeeds K. E. FIELDS, who resigned on 1 July. Luedecke, at present commander, Joint Task Force Seven, will assume his new responsibilities after the conclusion of the present series of weapon tests in the Pacific. He will retire from active duty in the Air Force at that time.

In addition, R. W. COOK, deputy general manager of the AEC, has submitted his resignation, effective not later than the adjournment of this session of Congress. Cook will be employed by the executive office of the American Machine and Foundry Company, New York, N.Y.

WERNHER VON BRAUN, director of the Development Operations Division of the Army Ballistic Missile Agency at Huntsville, Ala., has received the Robert H. Goddard Memorial Trophy for outstanding achievement in the field of missiles. He was cited for directing the Jupiter program, which produced the nation's first intermediate range ballistic missile and the first United States earth satellite, the Explorer.

LUDWIG FLECK, formerly head of the department of microbiology and immunology, Mother and Child Institute, Warsaw, and a member of the Polish Academy of Science, has recently joined the Israel Institute for Biological Research, Ness-Ziona, Israel.

MAURICE LeBOSQUET, a Public Health Service commissioned officer since 1936, has been assigned to the International Cooperation Administration as chief sanitary engineer of the Technical Cooperation Mission to India. LeBosquet, from headquarters in New Delhi, will provide assistance in dealing with environmental sanitation problems, particularly those relating to water supply and water pollution control. He left for India on 14 June.

CHARLES HEIDELBERGER and DAVID PRESSMAN have been named the first recipients of the \$500 Bertha Goldblatt Teplitz Award, which is presented by the Ann Langer Cancer Research Foundation of Chicago "for meritorious investigation by a scientist under 45." Heidelberg, associate professor of oncology at the McArdle Memorial Laboratory for Cancer Research, received the award for his basic research on 5-fluorouracil, which is important in cancer chemotherapy. Pressman, director of research at the Roswell Park Memorial Institute of the New York state department of health, was honored for his work on techniques for labeling antibodies with radioisotopes.

The Presidential Medal of Freedom has been awarded posthumously to MARK M. MILLS, nuclear physicist, for "exceptionally meritorious service in contributing to the security of the United States of America and the welfare of the human race." Mills, who was deputy director of the University of California Radiation Laboratory, Livermore Branch, was killed in April in a helicopter crash in the area of Eniwetok Atoll while serving as technical director of a nuclear weapon test.

FREDERIC S. ORCUTT, professor of bacteriology at Virginia Polytechnic Institute, has been named acting head of the institute's biology department. He succeeds I. D. WILSON, who has retired after serving for nearly 35 years as head of the department. Wilson retired before the end of the academic year in order to accept a 2-year appointment as an educational adviser in India.

RICHARD A. NOYES, associate professor of chemistry at Columbia University, has been appointed professor of chemistry at the University of Oregon, Eugene. In addition, JOHN SCHELLMAN has been appointed associate professor of chemistry at Oregon. At present he is assistant professor of chemistry at the University of Minnesota.

J. E. P. L. VIGOREUX, senior principal scientific officer, and G. H. RAYNER, principal scientific officer, both of the National Physical Laboratory, Teddington, Middlesex, England, will be in the United States 11-22 August. They will attend the conference on electronic standards and measurements at the National Bureau of Standards Boulder Laboratories 13-15 August, and will also visit the NBS in Washington.

In addition, A. FRANKS, also a senior scientific officer at Teddington, will be in this country 7 September-8 October to attend a conference on small angle scattering in metals at the Midwest Research Institute, Kansas City, Mo., 23-25 September. He will visit Washington; New Brunswick, N.J.; New York; Boston; Buffalo; Milwaukee; Chicago; Rolla, Mo.; Kansas City; Stanford, Calif.; and Redlands, Calif.

HAROUN MAHROUS, associate professor of electrical engineering at the University of Illinois, has been appointed chairman of the electrical engineering department of the Pratt Institute Engineering School.

THEODORE H. INGALLS, formerly associate professor of epidemiology at the Harvard University School of Public Health, has joined the University of Pennsylvania School of Medicine as

professor of preventive medicine and epidemiology. Ingalls will direct a Kellogg Foundation research project aimed at evaluation of periodic health examinations for the early detection and prevention of chronic diseases.

In addition, he will develop projects for evaluating radiation hazards, and for the control of congenital defects. As part of this program, a registry of inherited and acquired abnormalities will be instituted at the new West Philadelphia Health Center. A clinical registry of congenital anomalies, or defects, will also be maintained for counseling purposes.

ROBERT B. HOWARD has succeeded HAROLD S. DIEHL, as dean of the University of Minnesota's College of Medical Sciences. Diehl has retired after holding the deanship since 1935. He has accepted an appointment with the American Cancer Society as senior vice president for research and medical affairs and deputy executive vice president.

CHARLES W. BUGGS, professor of microbiology in the Howard University College of Medicine, became head of the department of microbiology on 1 July.

The American Society for Engineering Education has honored four engineering educators for their outstanding contributions in teaching and research.

LINTON E. GRINTER, dean of the Graduate School and director of research at the University of Florida, received the Lammé Medal for distinguished service in engineering education.

WILLIS W. HARMAN, professor of electrical engineering at Stanford University, received the \$1000 George Westinghouse Prize, which is given to a young teacher of outstanding ability.

HUNTER ROUSE, director of the Institute of Hydraulic Research at the State University of Iowa, received the Vincent Bendix Award for outstanding research contributions.

CEDOMIR M. SLIEPCEVICH, head of the department of chemical engineering and associate dean of the College of Engineering at the University of Oklahoma, received the \$1000 Curtis W. McGraw Award, which is given to an outstanding young college research worker.

The Scientific Committee of the National Neurological Research Foundation has announced that three men have been named National Neurological Research Foundation scientists and will receive awards of from \$10,000 to \$12,000 a year for 5 years. These unusual awards mark the first time (except in Government) that basic research has been united in the following areas: multiple sclerosis, Parkinson's syndrome, amyotrophic lateral sclerosis, muscular dys-

trophy, cerebral palsy, and epilepsy. The award recipients are: MICHAEL V. L. BENNETT, research associate, department of neurology, College of Physicians and Surgeons, Columbia University; BYRON H. WAKSMAN, assistant professor of bacteriology and immunology, Harvard Medical School, and associate bacteriologist, Neurology Service, Massachusetts General Hospital; and DIXON M. WOODBURY, associate research professor of pharmacology, University of Utah College of Medicine.

The National Neurological Research Foundation, founded in 1956, is a non-endowed, voluntary, tax-exempt organization with headquarters at 3255 N St., NW, Washington, D.C.

ELI LILLY, chairman of the board of directors of Eli Lilly and Company, has been selected by the past presidents of the American Pharmaceutical Association to become the recipient of the 1958 award of the Remington Honor Medal. He will be the 35th recipient of this medal, which was established by the New York Branch of the American Pharmaceutical Association in 1918, to be presented annually to the individual who has done most for American pharmacy in the previous year, or whose continuing contributions to the advancement of the profession over a period of years have been most outstanding.

NOBUHIKO SAITO and TSUNE-NOBU YAMAMOTO of Japan will be visiting professors of chemistry at the University of Oregon, Eugene, during 1958-59. Saito is an assistant professor in the department of applied physics, Waseda University. Yamamoto is professor of chemistry at the University of Kyoto. Both are working in solid-state physics and theoretical chemistry.

JOSEPHINE M. GLEASON has retired from her post as professor of psychology at Vassar College.

TROY L. PEWE, staff geologist, Alaskan Geology Branch, U.S. Geological Survey, and associate professor of geology at the University of Alaska, recently returned to College, Alaska, after spending a season in Antarctica. Péwé was in charge of a glacial geology party of the U.S. National Committee of the International Geophysical Year. He served in the McMurdo Sound area, where observations were made with regard to Quaternary glacial chronology, permafrost, and polygonal ground.

H. LUBINSKI of Jewish General Hospital, Montreal, Canada, has been named emeritus professor of bacteriology by the government of the Federated Republic of West Germany.

ROBERT L. STUBBINGS, research associate professor of chemistry at Lehigh University, is this year's recipient of the Alsop Award of the American Leather Chemists Association. He was selected for "making science and research a useful tool for the tanner."

Recent Deaths

KURT ALDER, Cologne, Germany; 55; former director of research with I. G. Farben, Cologne, Germany; named professor at Kiel University in 1934 and director of the Chemical Institute at the University of Cologne in 1940; one of the 18 Nobel Prize winners who in 1955 signed a declaration warning against a nuclear catastrophe; 20 June.

HALBERT P. GILLETTE, Los Angeles, Calif.; 88; engineer and hydrologist; founder and president of the Gillette Publishing Company of Chicago; performed research on rain and earthquake cycles; 18 June.

SETH G. HESS, New York, N.Y.; 65; director and chief engineer of the Interstate Sanitation Commission; taught at the graduate school of New York University; 18 June.

ALMA E. HILLER, Lynbrook, N.Y.; 66; associate professor of biological chemistry at the Medical College of the University of Illinois until her retirement in 1957; biochemist at the hospital of the Rockefeller Institute for Medical Research in New York 1918-48; author of a textbook, *Practical Clinical Chemistry*; 19 June.

JAROSLAV H. HULKA, Queens, N.Y.; 64; director of the ophthalmology department of St. John's Hospital, Long Island City; associate surgeon at the Manhattan Eye, Ear and Throat Hospital; established in 1947 an ophthalmology clinic in Czechoslovakia under the American relief program; author of *Statistics of Tuberculosis in Czechoslovakia and Medicine in America*; 18 June.

UMPHREY LEE, Dallas, Tex.; 65; chancellor emeritus of the Southern Methodist University and president from 1938 to 1954; 23 June.

ROBERT M. LEWIS, New Haven, Conn.; 72; associate clinical professor of obstetrics and gynecology at the Yale University School of Medicine, from 1925 until his retirement in 1954; 20 June.

JOHN A. MACDONALD, Interlaken, N.Y.; 81; emeritus professor of clinical Medicine at the Indiana University School of Medicine; 18 June.

J. LOUIS RANSOHOFF, Cincinnati, Ohio; 78; professor of clinical surgery in the College of Medicine at the University of Cincinnati and director of surgery at the Jewish Hospital in Cincinnati; practiced surgery for more than a half-century; 17 June.