

physics at the Institute for Nuclear Studies of the University of Chicago.

DEAN S. TARBELL, professor of organic chemistry at the University of Rochester.

HENRY TAUBE, head of the chemistry department at the University of Chicago.

JAMES A. VAN ALLEN, head of the department of physics at Iowa State University.

CECIL J. WATSON, head of the department of medicine at the University of Minnesota.

GREGOR WENTZEL, professor of physics at the University of Chicago.

FRED L. WHIPPLE, director of the Smithsonian Astrophysical Observatory, Cambridge, Mass.

WILLIAM B. WOOD, JR., vice president for medical affairs and professor-elect of microbiology at Johns Hopkins University School of Medicine.

CLARENCE M. ZENER, director of the Westinghouse Research Laboratories.

RAYMOND E. ZIRKLE, professor of radiobiology at the University of Chicago.

ETHAN A. H. SHEPLEY, chancellor of Washington University, received the second Alexander Meiklejohn Award for Academic Freedom at the 45th annual meeting of the American Association of University Professors in Pittsburgh, Pa. The award was established last year in honor of Alexander Meiklejohn, former president of Amherst College, through a gift by alumni and former faculty members of the Experimental College at the University of Wisconsin, which Meiklejohn directed from 1927 to 1932.

JAMES G. ZOBAN, chairman of the science department of Roslyn High School, New York, and president of the Science Teachers' Association of New York State, has received the \$1000 Nichols Foundation Chemistry Teacher Award for 1959. The presentation took place at the annual meeting of the American Chemical Society's New York section.

STANLEY B. FRACKER, retired scientist of the U.S. Department of Agriculture, has been awarded the German Order of Merit, first class, for outstanding work as secretary to the Committee on German-American Cooperation in agricultural research. The committee arranges German-American student exchanges.

JOHN P. HAGEN, former chief of the Vanguard Division of the National Aeronautics and Space Administration, has been appointed assistant director for program coordination.

ARNOLD K. BALLS, professor emeritus of biochemistry at Purdue University, received the McCollum Award at a dinner during the recent annual meeting of the American Society of Biological Chemists. The \$1000 award is made in recognition of research work in biochemistry carried out after the age of 60.

Scientific visitors to the United States from the United Kingdom are as follows:

G. A. W. FRANCE, experimental officer, Department of Scientific and Industrial Research, London, arrived on 23 April for about 16 weeks. He will spend 12 weeks at the University of California and 2 weeks at other universities.

L. GRUNBERG, senior principal scientific officer and acting head of the Lubrication and Wear Division, Mechanical Engineering Research Laboratory, Glasgow, Scotland, will arrive on 20 May. He will attend the 5th World Petroleum Congress in New York 30 May-5 June. Itinerary: Tennessee, Illinois, New York, Massachusetts, and Washington, D.C. (20-24 May).

J. F. MARTIN, principal scientific officer, National Chemical Laboratory, Teddington, arrived on 1 May for about 9 weeks. He will spend 1 month as a member of a team engaged in the study of specific heat calorimetry at the thermodynamics laboratory of the U.S. Bureau of Mines in Oklahoma, and 2 weeks at the thermal laboratory of the Dow Chemical Company in Midland, Michigan.

RICHARD E. HORNER, assistant secretary of the Air Force for research and development, has resigned, effective 1 June to accept the newly established position of associate administrator of the National Aeronautics and Space Administration.

BERNARD L. HORECKER, formerly chief of the laboratory of biochemistry and metabolism, National Institute of Arthritis and Metabolic Diseases, Bethesda, Md., has been appointed professor and chairman of the department of microbiology at New York University's College of Medicine. He succeeds ALWIN M. PAPPENHEIMER, Jr., who has become chairman of tutors in the department of biological chemistry at Harvard University Medical School.

C. S. DRAPER, head of the department of aeronautics and astronautics at Massachusetts Institute of Technology and an inventor of inertial guidance systems for aircraft, missiles, and submarines, has been appointed chairman of the National Inventors Council. He succeeds Charles F. Kettering, who held the post from the establishment of the coun-

cil in 1940 until his death in November 1958. HOMER H. EWING, staff member of Du Pont Company's development department, will serve as secretary.

LEWIS B. SWIFT, chairman of the board of directors of Taylor Instrument Companies, Rochester, N.Y., received the Scientific Apparatus Makers Association Award at the association's 41st annual conference in Chicago, Ill.

Recent Deaths

FRANK H. BETHELL, Ann Arbor, Mich.; 56; professor of internal medicine at the University of Michigan and director of the Thomas Henry Simpson Institute for Memorial Research; specialist in hematology; 22 Apr.

JOHN J. DONLEAVY, Montclair, N.J.; 63; general consultant in organic chemistry for the research laboratories of the Allied Chemical Corporation's general division; technical director of the division, 1941-51; assistant professor of chemistry at Yale University, 1924-39; 16 Apr.

HOWARD W. HAGGARD, Fort Lauderdale, Fla.; 71; retired in 1956 as director of Yale University's Laboratory of Applied Physiology; founder of the Center of Alcohol Studies at Yale and editor of the *Quarterly Journal of Alcohol Studies*; author of a number of popular books, including *Devils, Drugs and Doctors*, published in 1929; 22 Apr.

GEORGE H. HOXIE, Berkeley, Calif.; 86; specialist on tuberculosis; former dean of the University of Kansas Medical School; 10 Apr.

ERNEST A. JOHNSON, Chicago, Ill.; 64; president of Lake Forest College since 1943; successfully persuaded industrialists to support liberal arts education; a pioneer in the campaign for faculty salary increases; 13 Apr.

WALTER G. RYAN, Nutley, N.J.; 68; director of the guidance center and lecturer in psychology at Seton Hall University since 1951; former chief of the Veterans Administration guidance center at the Newark College of Engineering, where he was associate professor of personnel relations, 1946-51; 22 Apr.

JULIUS SCHUELEIN, New York; 77; chemist and partner in the Vegex Company, New York; pioneer in the development of food products and vitamin preparations derived from brewers' yeast; a native of Germany, he headed companies throughout Europe and, in this country, established facilities for Standard Brands, Inc., for manufacture of the products he developed; 20 Apr.

GUSTAV F. SIEMERS, Montclair, N.J.; 63; technical director of the vitamin division of Hoffmann-La Roche, Inc., for 19 years; 13 Apr.