

NEWS and Notes

Physicists **Robert J. Oppenheimer** and **Ernest O. Lawrence** and naturalist **Fairfield Osborn** have been appointed to the college of electors of the Hall of Fame for Great Americans on the campus of New York University. Of the 120 Americans now serving on the electoral body, eight are scientists. The new appointees will vote on the 1950 nominees to the Hall of Fame.

The National Institute of Sciences of India has elected as Honorary Fellows **Harlow Shapley**, director of Harvard Observatory, **Louis de Broglie**, French physicist, **Hans van Euler**, Swedish chemist, and **George Tishler**, German botanist.

H. Keefer Hartline, professor of biophysics and chairman of that department at Johns Hopkins University, has been appointed to succeed **Robert D. Fowler** as the scientific representative from Johns Hopkins on the Board of Trustees of Associated Universities, Inc. The board is one of the governing bodies of the Brookhaven National Laboratory.

Manfred Bleuler, director of the Psychiatric Clinic Burgholzi, and professor of psychiatry at the University of Zurich, Switzerland, has joined the staff of the Payne Whitney Psychiatric Clinic, New York Hospital, and will spend a year in research on the etiology of alcoholism. The research project was begun at the clinic three years ago through the support of the National Research Council. Dr. Bleuler has also been appointed lecturer in psychiatry at Cornell University Medical College.

Raymond W. Darland, associate professor of botany, has been appointed head of the Department of Biology of the University of Minnesota, Duluth Branch, succeeding **Olga Lakela**, who will become curator of the university's herbarium.

Hugh McCulloch, chief of the medical staff of LaRabida Jackson Park Sanitarium, Chicago, has been appointed professorial lecturer in pediatrics at the University of Illinois College of Medicine. The college has also announced the appointment of **Sigvald B. Refsum**, who came here recently from Oslo, Norway, as professorial lecturer in psychiatry. Dr. Refsum is conducting research in electroencephalography with **Frederic A. Gibbs** in the Consultation Clinic for Epilepsy.

S. Kenneth Love, chief of the Quality of Water Branch of the U. S. Geological Survey's Water Resources Division, has been elected chairman of the American Chemical Society's Division of Water, Sewage, and Sanitation Chemistry.

Harold A. Abramson, assistant clinical professor of physiology, Columbia University, has been appointed chief of the Allergy Clinic at the Mount Sinai Hospital, New York City.

Paul Delahay, research associate at the University of Oregon, Eugene, has been appointed assistant professor of chemistry at Louisiana State University, Baton Rouge.

Florence M. MacLean has been appointed clinical director of the Occupational Therapy Section, Department of Physical Medicine, University of Illinois.

John H. Barr, associate professor of medicine, University of Texas School of Dentistry, has been appointed director of clinics and professor of clinical dentistry in the Tufts College Dental School.

Visitors to U. S.

Recent visitors at the National Bureau of Standards included **A. E. Blouin**, **W. E. Cowie**, and **L. G. Wilson**, of the Defense Research Chemical Laboratory, Defense Research Board, Ottawa; **George Miller**, professor of physics at the National University of Colombia, Bogota; **Roman C. Bieber**, instruments engineer, Lonza, Ltd., Switzerland; and **R. R. Warnecke**, chief, microwave tube research, Compagnie Generale de Telegraphie Sans Fil, Paris.

Fellowships, Scholarships, and Prizes

The National Research Council announces the availability of the Merck Postdoctoral Fellowships for 1950. These fellowships are designed to give special training and experience to young men and women who have demonstrated ability in research in chemical or biological science, and who wish to broaden their fields of investigation. Fellowships are open to citizens of the U. S. with training in chemistry or biology equivalent to that represented by the Ph.D. degree. All fields of chemistry or biology, including the preclinical medical sciences, are open to applicants for these fellowships, and special consideration will be given to applicants who wish to supplement their specialty with work in another field. Applications must be filed before *January 15*. Awards will be made as soon as possible after March 1 and, unless otherwise arranged, tenure will begin on July 1. Appointments will be made for one year; in exceptional cases applications for renewal will be considered. Further information and application blanks may be obtained from the Fellowship Office, National Research Council, 2101 Constitution Avenue, Washington 25, D. C.

The Society for Pediatric Research has appointed seven additional **Mead Johnson Fellows** for the academic year 1949-50. They are C. T. Lee, China; Solomon A. Kaplan, South Africa; Carlos A. Bauza, Uruguay; Isabelle Valadian, Lebanon; Ramón Sanz Munoz, Mexico; Dacio Pinheiro, Brazil; and Jorge Arguedas Soto, Costa Rica.

The Life Insurance Medical Research Fund invites faculty members to nominate candidates for 1950-51 student fellowships for research in the medical sciences (predoctoral). These fellowships are open to those who will have completed one year or more of work in a medical or graduate school and are in a position to devote at least three-quarters of their time to research. Preference is given to those who wish to work on fundamental problems in

cardiovascular function. The usual stipend is at the rate of \$1,600 to \$2,000 per annum. Candidates must be nominated by investigators who are willing to sponsor them on the basis of personal knowledge. The closing date for 1950 nominations is *February 15*. Further information may be obtained from the Scientific Director of the Fund at 2 East 103d Street, New York City 29.

The Northeastern Section of the American Chemical Society has announced a new award for outstanding achievement in the teaching of chemistry in honor of the late James F. Norris. It was made possible by a bequest of the late Mrs. Anne C. Norris, of Cambridge, Massachusetts, to perpetuate the memory of her husband, who was twice president of the American Chemical Society and a director for eleven years. Teachers from schools, colleges, and universities are eligible. The award will consist of an inscribed certificate and a sum of money to be awarded biennially, in the years when the Richards Medal for achievement in research is not given by the section.

Summer Studentships and Thesis Fellowships are being offered to qualified graduate students in pure and applied mathematics at the National Bureau of Standards' Institute for Numerical Analysis at the University of California, Los Angeles. The studentships are for a 10-week term from the middle of June to the end of August, with stipends from \$500 to \$700. The thesis fellowships are fixed at approximately \$2,000 for an 11-month working year, provided the candidate already possesses an M.A. degree or equivalent experience. Preliminary applications must be submitted before *March 1*. Further information may be obtained from the director of research of the institute.

The third annual competition of the **Engineering Undergraduate Award and Scholarship Program** has been announced by the James F. Lincoln Arc Welding Foundation, Cleveland, Ohio. Awards ranging from \$1,000 to \$25, and \$1,750 for seven scholarships will be given to students and schools for the best pa-

pers prepared by undergraduates on arc welded design, research, fabrication, or maintenance. Papers must be submitted before *May 15, 1950*. A copy of rules and conditions may be obtained from the James F. Lincoln Arc Welding Foundation, Cleveland, Ohio.

Grants and Awards

Grants for support of medical and biological research totaling \$835,770 have been announced by the U. S. Public Health Service. The awards will go to 61 institutions in 29 states, the District of Columbia, and 3 foreign countries and will aid research in a wide range of subjects including nutrition, use of streptomycin in tuberculosis, tropical disease research, electrical activity of the central nervous system, and strains of influenza virus involved in the European epidemic last winter.

Grants to support heart research and to build heart research laboratory facilities have been made to 21 institutions by the National Heart Institute of the National Institutes of Health, Bethesda, Maryland, principal research branch of the Public Health Service. Totaling \$358,109, the grants include \$248,109 for 20 research investigations in 18 nonfederal institutions in 13 states and the District of Columbia, and \$110,000 to provide necessary research laboratory facilities for study of heart diseases in two nonfederal institutions. The largest sum—\$100,000—went to the Oklahoma Research Foundation to provide clinical facilities for cardiovascular research in a basic research plant now under construction. Other large grants included \$64,800 to Northwestern University for the investigation of rheumatic fever; \$33,976 to Western Reserve University, Cleveland, for experimental investigations to improve the circulation of the coronary arteries; and \$23,657 to the University of Chicago, for investigating the degenerative complications of diabetes as they affect the arteries.

The American Institute of Chemical Engineers presented the following awards at its annual meeting

last week in Pittsburgh: the **William H. Walker Award** for distinctive contribution to the literature of chemical engineering to William H. McAdams, professor of chemical engineering, Massachusetts Institute of Technology for his work in heat transfer; the **Celanese Corporation of America Professional Progress Award in Chemical Engineering** to Mott Souders, Jr., head of the Chemical Engineering Research Section of the Shell Development Company, Emeryville, California.

Nicholas J. Hoff, professor of Aeronautical Engineering at Polytechnic Institute of Brooklyn, has been awarded the **Medal of the Swedish Society of Engineers**. The medal was presented during Dr. Hoff's recent visit to Sweden in appreciation of his contributions to structural engineering, particularly for his work on the instability of airplane fuselages, the buckling of rigid jointed trusses, and the effects of concentrated loads on fuselage frames. Dr. Hoff is the first American aeronautical scientist to receive the medal.

Colleges and Universities

Programs for the spring sessions of the current Mechanics Colloquium at the **Illinois Institute of Technology** are as follows: January 4—"Frontier Problems of Fluid Mechanics" by *H. L. Dryden*, director, National Advisory Committee for Aeronautics; February 1—"The Mechanics of Earth Slides in Clays" by *P. C. Rutledge*, chairman, Department of Civil Engineering, Technological Institute, Northwestern University; March 1—"The Dynamic Behavior of Materials Having Hereditary Characteristics" by *E. Volterra*, associate professor of mechanics, Illinois Institute of Technology (to be held in the Technological Institute, Northwestern University, Evanston); April 5—"Modern Theories of Failure of Materials" by *C. Zener*, professor of physics, Institute for the Study of Metals, University of Chicago; and May 3—"Recent Problems in Vibration" by *J. P. den Hartog*, professor of mechanical engineering, Massachusetts Institute of Technology.

A series of meetings on fundamental problems on growth and malignancy is being presented by the Department of Pathology, **University of Vermont and State Agricultural College**, Burlington, Vermont. Speakers and topics for the forthcoming meetings are: January 5—*Leonell C. Strong*, professor of anatomy, Yale University School of Medicine, "Genetics and Cancer"; February 9—*Albert J. Tannenbaum*, director, Department of Cancer Research, Michael Reese Hospital, Chicago, "Diet and Cancer"; March 2—*Van R. Potter*, professor of oncology, University of Wisconsin Medical School, "Enzymes, Growth, and Cancer"; March 30—*Roy Hertz*, chief, Endocrinology Section, National Cancer Institute, Bethesda, Maryland, "Vitamin-Hormone Interrelationships Affecting Tissue Growth"; and May 4—*Robert E. Stowell*, professor of oncology, University of Kansas School of Medicine, "Nucleoproteins, Growth, and Cancer."

Industrial Laboratories

J. Murray Scott, medical director of Ayerst, McKenna and Harrison, New York and Montreal, has been appointed medical director of **Sharp and Dohme, Inc.**, Philadelphia. Dr. Scott succeeds J. William Crosson, who has been named to fill the newly created position of medical administrator.

The American Optical Company, Southbridge, Massachusetts, has opened its new Stamford Research Laboratory at Stamford, Connecticut. Supplementing the research facilities and program of the company, the laboratory will be used for studies in geometrical optics, microscopy, photographic optics, spectroscopy, optical methods for research in nuclear physics, glass chemistry, instruments, and optical materials.

Meetings and Elections

The 75th Anniversary Meeting of the Cambridge Entomological Club will be held on December 20 at Harvard. The program will include an address by Marston Bates, author of *The natural history of*

mosquitoes and member of the staff of the Rockefeller Foundation, on "Entomological Research in the Tropics."

The Relation of Psychology to Medicine will be the subject of a conference to be held at the University of Pittsburgh February 9–10. This is the fourth of the series on current trends in psychology scheduled by the university's Department of Psychology. All members of the American Psychological Association and of the American Medical Association may obtain tickets of admission without charge by writing to the Department of Psychology, University of Pittsburgh.

The Federation of American Societies for Experimental Biology will hold its 34th annual meeting April 17–21, in Atlantic City, New Jersey. Affiliated societies are: The American Physiological Society; American Society of Biological Chemists; American Society for Pharmacology and Experimental Therapeutics; The American Society for Experimental Pathology; American Institute of Nutrition; and The American Association of Immunologists. Approximately 1600 papers will be presented in the fields of these societies. In addition, there will be a joint session of all six societies and several symposia. Attendance will be open to members of the constituent societies and their associates and to interested biologists in all countries.

Biologists in the fields represented by the federation may submit titles and abstracts of papers they wish to read to the secretary of the appropriate society, not later than *January 10*. Nonmembers must be introduced by a member. Scientific and technical exhibits may be made by individuals, laboratories, institutions, and industrial organizations. Further information may be obtained from the Federation Secretary, 2101 Constitution Avenue, Washington 25, D. C.

Scientists from the U. S. and Canada who have been invited to attend the symposium "*Mécanisme de la Narcose*" to be held in Paris April 19–26 are W. D. McElroy, Johns Hopkins University, Balti-

more; L. V. Heilbrunn, Zoological Laboratory, Philadelphia; and J. H. Quastel, Biochemical Department, McGill University, Montreal.

The American Chemical Society has chosen N. Howell Furman, Russell Wellman Moore Professor of Chemistry, Princeton University, as president elect; he will head the society in 1951. President for 1950 will be Ernest H. Volwiler, executive vice president of Abbott Laboratories, Chicago, who will take office on January 1, succeeding Linus Pauling, of the California Institute of Technology. The two new members of the Board of Directors, elected to serve three-year terms, are Raymond E. Kirk, head of the Chemistry Department, Polytechnic Institute of Brooklyn, and Farrington Daniels, Chemistry Department, University of Wisconsin.

The Pacific Division of the American Society of Limnology and Oceanography elected the following officers for 1950 at its June meeting with the AAAS in Vancouver, Canada: president, G. F. McEwen, LaJolla, California; vice president, W. T. Edmondson, Seattle, Washington; secretary-treasurer, John P. Tully, Nanaimo, British Columbia; members-at-large, Clifford A. Barnes, University of Washington; and Donald L. McKernan, Clackamas, Oregon.

The American Institute of Chemical Engineers has elected the following officers for 1950: president, Warren L. McCabe, vice president and director of research of the Flintkote Company; vice president, T. H. Chilton, technical director of the Development Engineering Division, E. I. duPont de Nemours and Company. S. L. Tyler and C. R. DeLong, both of New York City, were reelected secretary and treasurer respectively.

Deaths

Oliver Edwin Baker, 66, professor of geography at the University of Maryland, died December 2 at his home in College Park, Maryland. Head of the Geography Department since 1942, Dr. Baker had resigned

last July in order to devote more time to research. At the time of his death he was working with Charles Hu, of the Geography Department, on an atlas of China and an atlas of world resources.

Charles Kephart Swartz, 88, professor emeritus of geology at Johns Hopkins University since 1931, died November 26 at his home in Baltimore after an illness of several months. As a student at Heidelberg in 1888 he worked with Heinrich Hertz in the early experiments on Hertzian waves. Dr. Swartz was a former president of the American Paleontological Society and former vice president of the Geological Society of America.

George Joseph Brunner, 67, professor of geophysics at Saint Louis University, died November 22. He was an authority on deep earthquakes and his graphical method for determining their characteristics, published in 1943, is widely used.

Charles Robert Moulton, 65, assistant director of the Patent Division of the Argonne National Laboratory since 1946 and former University of Missouri chemistry professor, died in Chicago December 4 of a cerebral hemorrhage.

Walter L. Howard, 77, professor emeritus of pomology at the College of Agriculture of the University of California at Davis, died October 17. Dr. Howard was director at Davis from 1924 to 1937 and in addition to agricultural publications he had written a book about Luther Burbank.

Blindness caused by neutron radiation is being cured in the case of Alexander J. Allen, professor in charge of the University of Pittsburgh cyclotron, whose vision was impaired as he adjusted the cyclotron in the spring of 1948. Almost totally blind, he went last July to Columbia Presbyterian Medical Center in New York City, where Algeron Reese removed the lens of his right eye. Dr. Allen now wears spectacles with a thick right lens. His eye is showing steady improvement. Next summer a similar operation will be performed on his left eye, and it

is expected that his sight will be restored.

A new society of industrial microbiologists is to be organized to cover the borderline work in application of microbiological knowledge or processes to work with industrial materials. The society plans to handle such problems as deterioration and preservation of military and industrial materials, microbiologic manufacturing processes, and microbiologic assay. The organization meeting will be held Thursday, December 29 at 4:00 p.m. in the Hotel McAlpin Ballroom, in connection with the New York meeting of the American Association for the Advancement of Science.

The National Registry of Rare Chemicals, 35 West 33rd Street, Chicago, Illinois, has submitted the following list of wanted chemicals: phloretin; ribose-1-phosphate; 4-bromocyclohexanone; 4-methyl-4-bromocyclohexanone; 4,6-diaminoquinoline; potassium carbide; 1,7-dibromo-*n*-heptane; 1-methyl-2-methylene-1,2-dihydroquinoline; 6-aminoheptonic acid; 7-aminocaprylic acid; tin carbide; berbamine; indoxyllic acid; D-laudanosine; canadine; apiin; 2,3-dimercaptobutane; estriol glucuronate; barbatinic acid; and phrenosin.

A research clinic for multiple sclerosis and related disorders of the nervous system has been established at the Montefiore Hospital, in the Bronx, New York, through a grant from the National Multiple Sclerosis Society.

A training course for cardiovascular investigators, sponsored jointly by the U. S. Public Health Service, American Heart Association, and Western Reserve University School of Medicine, will be offered in the Department of Physiology for the second time, July 1, 1950-June 30, 1951. C. J. Wiggers will be in charge of the course, which will consist of formalized training in cardiovascular research methods, assistance to experienced investigators, supervision of independent research, and practice in manuscript preparation. Postdoctoral candidates accepted for training will be recommended to the

director of the National Heart Institute, U. S. Public Health Service, for a research traineeship carrying a stipend ranging from \$3,000 to \$3,600 per annum. A maximum of ten trainees can be accepted. For information and application blanks, address Dr. C. J. Wiggers, Program Director, Western Reserve University School of Medicine, Cleveland 6, Ohio.

Recently Received—

The Harvard Photographic Meteor Program. Fred L. Whipple. Harvard reprint 319. Harvard Observatory, Cambridge.

Excavations in Northeastern Massachusetts. Ripley P. Bullen. Papers of the Robert S. Peabody Foundation for Archaeology, Vol. 1, No. 3. Phillips Academy, Andover, Massachusetts.

Observations on the Plant Communities at "Bundemar," Trangie District, New South Wales, in relation to Chortocetes terminifera (Walk.) and Austroicetes cruciata (Sauss.). L. R. Clark. Bull. 236. Council for Scientific and Industrial Research, Melbourne, Australia.

The Shoulder Architecture of Bears and Other Carnivores. D. Dwight Davis. Fieldiana-Zoology, Vol. 31, No. 34, Chicago Natural History Museum. 25¢.

The Races of the African Wood-Dove Turtur Afer. A. L. Rand. Fieldiana-Zoology, Vol. 31, No. 35, Chicago Natural History Museum. 10¢.

Estudio Sobre las Serofosfatásas. I-Fosfatasa Alcalina. Elena Penhini. Mercatali, Publisher, Avenida Acoyte 269, Buenos Aires, Argentina.

Subspecies of the Ridge-Nosed Rattlesnake, Crotalus Willardi. Laurence M. Klauber. (Reprint) San Diego Society of Natural History, San Diego, California.

The Boylston Street Fishweir II: A study of the geology, paleobotany, and biology of a site on Stuart Street in the Back Bay District of Boston, Massachusetts. Elso S. Barghoorn et al. Papers of the Robert S. Peabody Foundation for Archaeology, Vol. 4, No. 1. Phillips Academy, Andover, Massachusetts.