

WHEREAS, The Northwest Research Foundation proposes to support researches at the University of Minnesota having for their object the development of new uses for the natural resources and products of the State of Minnesota and the Northwest,

*Be it Resolved*, That the Regents of the University of Minnesota approve and authorize the proper officers to execute the following memorandum of agreement between the Northwest Research Foundation and the University of Minnesota.

*Be it Further Resolved*, That the Regents of the University of Minnesota direct the president of the university to create within the university a research institute to be known as the Northwest Research Institute which shall have the responsibility of carrying into effect the terms of this agreement. The institute shall be administered by a director who shall be appointed by the president of the university, subject to the approval of the Board of Regents.

#### CHEMISTRY AND GEOLOGY AT THE BOSTON MEETING OF THE AMERICAN ASSOCIATION

THE Section of Chemistry of the American Association for the Advancement of Science, which meets in Boston from December 27 to January 2, will have three sessions for contributed papers. One of these will be devoted to physical chemistry and another to chemistry related to biochemistry and medicine.

For a joint session with the Section of Social and Economic Sciences a symposium has been arranged entitled "The Chemical Revolution." It will deal with the economic significance of chemistry. Papers will be given concerning the repercussions of chemical changes upon international trade, the effects of chemical progress upon the relations between industries, the economic readjustments resulting from progress in chemical technology, and the possible future economic changes indicated by our present research progress.

The address of the retiring vice-president, Dr. Frank C. Whitmore, on "Some General Aspects of the Polymerization and Depolymerization of Olefins," will be given at 2 o'clock on the afternoon of December 29. In the evening the Northeastern Section of the American Chemical Society will cooperate with Section C in an informal dinner and evening meeting, when it is expected that an address will be given on the subject of "Nutrition."

Professor Arthur B. Lamb, of Harvard University, is vice-president of the association and chairman of

the section; J. H. Simons, 6217 N. Talman Avenue, Chicago, Illinois, is secretary. Titles and abstracts of contributed papers should be in the hands of the secretary before November 20.

Titles of papers, accompanied by abstracts of approximately two hundred and fifty words, intended for presentation at the meeting of Section E, geology, should be submitted to Dr. Kirtley F. Mather, secretary of Section E, Geological Museum, Cambridge, Massachusetts, not later than November 15. Section E will meet for the reading of technical papers during the forenoon and afternoon of Wednesday, December 27. If necessary an additional session will be held on Thursday morning. The address of the retiring vice-president, Professor William H. Hobbs, of the University of Michigan, will be delivered at 11:00 A. M., on December 28. It is expected that the majority of papers on the program will deal with the geology of New England and topics related thereto.

#### RECENT DEATHS

DR. SAMUEL FRANKLIN ADAMS, of New York City and White Plains, specialist in internal medicine and until two years ago head of the metabolism division of the Mayo Clinic at Rochester, Minnesota, died on September 28, at the age of thirty-seven years.

DR. ARTHUR DERMONT BUSH, professor of physiology and pharmacology at Emory University until his retirement in 1927, died on September 6, at the age of fifty-eight years. Dr. Bush had previously been connected with Olivet College and the universities of Southern California, Missouri and North Dakota.

JOHN EDWARD MARR, emeritus professor of geology at the University of Cambridge, died on October 2, at the age of seventy-six years.

WILLIAM HOPE FOWLER, the British radiologist, died on October 5, at the age of fifty-seven years. Although he had retired at the age of fifty years as chief surgical radiologist of the Edinburgh Infirmary, he continued to carry on his experiments with radium. His death was directly due to this work.

DR. F. S. PEPPERDENE, the well-known British radiologist, died in Quebec on September 25 of x-ray burns. He was seventy years old.

DR. P. EHRENFEST, professor of theoretical physics at the University of Leiden, committed suicide on September 25.

## SCIENTIFIC NOTES AND NEWS

THE degree of doctor of science was conferred by Lehigh University on October 4 on Dr. Hans Zinsser, professor of bacteriology and immunology at the Harvard Medical School. Dr. Zinsser gave on that day the Founders' Day address.

PROFESSOR EDWARD W. BERRY, vice-president of the Johns Hopkins University, has returned to Baltimore after spending the summer in Venezuela. While there he was awarded a gold medal by the Venezuelan Ministry of Education.

DR. HERMANN PRINZ, professor of pharmacology at the School of Dentistry, University of Pennsylvania, has been appointed a fellow of the Academy of Science at Halle. Dr. Prinz is one of the five dentists who are members of the academy, the others being Drs. Walkhoff and Schroder, of Berlin; Euler, of Breslau, and Hess, of Zurich.

DR. E. O. LAWRENCE, of the University of California department of physics, has been invited to be the American speaker at the Solvay International Institute of Physics at Brussels, which holds a seven-day session beginning on October 22. He will present a paper on "The Structure of the Nucleus and the Disintegration of Atoms," based on recent work done in the radiation laboratory of the department of physics at the University of California. The Solvay Institute was endowed in 1912, and since 1913 has held sessions every three years, with the exception of the war period. Some twenty of the foremost European physicists are invited to appear at each meeting, and one American.

MEDICAL societies in the Bronx and Queens and health officers of the two counties plan to celebrate the twentieth anniversary of the first production of toxin-anti-toxin for the prevention of diphtheria on October 24 and 26. Dr. William H. Park, director of the bureau of laboratories of the Department of Health, a pioneer in the work of diphtheria prevention, will be honored at both gatherings, as will Dr. Béla Schick, discoverer of the test by which it is possible to determine whether or not an individual is immune to the disease. Memorials signed by thousands of immunized children in the two boroughs will be presented to Dr. Park. The presentations at that time will mark the close of a current anti-diphtheria campaign now being conducted by health groups in the Bronx and Queens.

AT the last general meeting of the International Association for Dental Research the following officers were elected for 1933-34: *Honorary vice-presidents*, Jan Jesensky, Prague; Hans Pichler, Vienna; J. G. Turner, London; *President*, Edward H. Hatton, Northwestern University; *President-elect*, J. L. T. Appleton, University of Pennsylvania; *Vice-president*, Theodore B. Beust, University of Louisville; *Treasurer*, Bissell B. Palmer, Fifth Avenue Hospital (N. Y.); *Secretary*, William J. Gies, Columbia University.

DR. NICHOLAS KNIGHT has resigned from the faculty of Cornell College after thirty-five consecutive years of teaching in the school. As head of the department of chemistry, Dr. Knight is largely responsible for the development of the six modernly equipped laboratories.

AFTER more than forty years' service, during twenty-three years of which he was director and chief chemist of the department of chemistry of the Clemson Agricultural College of South Carolina, Dr. Richard Newman Brackett retired on July 1, at the age of seventy years. He has been made special professor of the history of chemistry in charge of the chemical library.

DR. WILLIAM M. JARDINE, retiring ambassador to Egypt and formerly Secretary of Agriculture, has accepted appointment as Kansas state treasurer in succession to Tom B. Boyd, who faces serious charges in connection with his administration. Dr. Jardine was formerly president of the Kansas State College and was a member of the cabinet of President Coolidge from 1926 until 1929.

IN view of the appointment of Lee A. Strong as chief of the Bureau of Entomology, Avery S. Hoyt, now assistant chief, will become acting chief of the Bureau of Plant Quarantine.

WILBER D. ENGLE, vice-chancellor of the University of Denver, has been named dean of the Graduate School to succeed Dr. D. Shaw Duncan, who has resigned because of ill health. Dr. Engle will continue to serve as dean of the School of Science and Engineering and professor of chemistry.

DR. ANNE YATES, of the St. Elizabeth's Hospital, Washington, D. C., has been appointed instructor in biochemistry in the Duke University School of Medicine and associate biochemist to the Duke Hospital.

DR. S. S. OBENSHAIN, who completed the work for the doctorate degree in soil fertility at Iowa State College a year ago, has recently been appointed to a position at the Virginia Agricultural Experiment Station, where he will have charge of the work of the Soil Survey in Virginia.

DR. A. H. WIEBE, formerly of the U. S. Bureau of Fisheries, has been engaged by the Fish, Game and Oyster Commission of Texas. Dr. Wiebe will make limnological investigations on the lakes and rivers of Texas, as well as supervise the work at the state fish hatcheries.

*Nature* reports the following appointments in the Colonial Agricultural Service: A. C. Barnes, to be director of agriculture and island chemist, Jamaica; D. L. Blunt, to be director of agriculture, Cyprus; H. B. Stent, to be agricultural chemist, Coffee Experimental Station, Tanganyika.

DR. HENRY D. CHADWICK, of Detroit, took up on October 2 his work as commissioner of the Massachusetts State Department of Public Health, to succeed Dr. George H. Bigelow, who resigned to become director of the Massachusetts General Hospital.

THE following members of the faculty of Columbia University have been appointed to serve as members of the Board of Managers of the New York Botanical Garden pursuant to the provisions of the act recently passed by the Legislature: Drs. Robert A. Harper, Torrey professor emeritus of botany; Sam F. Trelease, professor of botany; Edmund W. Sinnott, professor of botany in Barnard College; Marston Taylor Bogert, professor of organic chemistry.

DR. ALBERT EINSTEIN sailed for New York from Southampton on October 7 to take up his work at the Institute for Advanced Study at Princeton.

DR. HARRY M. MILLER, JR., of the department of zoology at Washington University (St. Louis), who spent last year in Europe as a special representative of the Rockefeller Foundation, has been granted an additional year's leave of absence. Professor Miller has been visiting the principal European countries, studying university programs in the natural sciences and arranging grants, fellowships, research projects and exchanges of students. He succeeded Professor Frank B. Hanson, who returned last year to Washington University and was recently appointed assistant director of the Natural Science Division of the Rockefeller Foundation.

DR. Y. L. KENG, fellow of the Rockefeller Foundation, who has spent the last three years working in the grass herbarium of the U. S. National Herbarium on a manual of the grasses of China, having completed his work and received the degree of Ph.D. from the George Washington University, sailed for Europe on October 5. He will visit the herbaria in London, Paris, Geneva, Berlin and Vienna, to study the collections of the Chinese grasses before leaving for China about the end of the year to resume his place on the faculty of the National Central University, Nanking, China.

DR. E. B. STEPHENSON, physicist in the sound division of the Naval Research Laboratory, has returned from a six months expedition on the USS *Eagle 58* to determine certain oceanographic conditions which affect the transmission of sound through sea water. Studies were made in areas adjacent to Panama, San Diego, San Francisco, Honolulu and at San Diego and Panama on the return trip.

THE ABBÉ GEORGES LEMAITRE, professor of astrophysics at the University of Louvain, will be visiting professor at the Catholic University of America in Washington, D. C., for the coming year. Abbé Lemaître will lecture on "Astronomical Applications of the Theory of Relativity" and will conduct a seminar for advanced students of physics and mathematics in the Graduate School of that institution. Abbé

Lemaître is known for his contributions to the theory of the expanding universe. He spent last year at the California Institute of Technology and the Mt. Wilson Observatory engaged in astronomical study.

THREE German scholars have been appointed visiting professors at Columbia University. They are Paul Tillich, philosophy; Felix Bernstein, mathematics, and Rudolf Schoenheimer, biological chemistry. Professor Tillich was until recently professor at Frankfurt. He had previously held professorships at Marburg and Dresden. Professor Bernstein had been professor at Göttingen since 1911. In 1917 he founded and became director of the Institute of Mathematical Statistics at Göttingen. Professor Bernstein visited America in 1925 and again in 1932. Professor Schoenheimer had been head of the department of pathological chemistry at Freiburg and subsequently during 1930 and 1931 he was Douglas Smith fellow in the department of experimental surgery at the University of Chicago. Since February last he has been in this country engaged in research work under the auspices of the Josiah Macy, Jr., Foundation.

DR. JOHN MILLER, formerly resident physician in pediatrics at the University of California Hospital, who has been conducting research on whooping cough at the Staats Seruminstitut in Copenhagen, as a National Research Council fellow, will continue his work under the fellowship at the department of bacteriology at the university. He plans to collaborate with Associate Professor A. P. Krueger.

PROFESSOR G. H. PARKER, director of the Harvard Zoological Laboratories, has been invited to deliver the Somerville lecture at McGill University on November 24. He will speak on "The Cellular Transmission of Substances, Especially Neurohumors."

DR. WILLIAM CROCKER, managing director of the Boyce Thompson Institute for Plant Research, Incorporated, Yonkers, New York, lectured on October 2 before the Rochester Section of the American Chemical Society on "Some Biochemical Researches Being Conducted at the Institute."

DR. W. EDWARDS DEMING, associate physicist in the Bureau of Chemistry and Soils, is giving a set of seventy lectures this fall and winter in the U. S. Department of Agriculture on "The Theory of Errors, Adjustment of Observations and Curve Fitting." The subject will be treated by studying recent developments in mathematical statistics.

DR. VIRGIL JORDAN, president of the National Industrial Conference Board, Inc., New York City, will be the principal speaker at the dinner which will follow the seventh annual open meeting of the Metallurgical Advisory Board to the Carnegie Institute of

Technology to be held in Pittsburgh on October 20. Dr. Jordan's address will be the concluding event in an all-day meeting which will be held at the Carnegie Institute of Technology. At the morning and afternoon sessions reports of researches done in the metallurgical laboratories at the institute will be given.

THE twenty-third annual clinical congress of the American College of Surgeons opened at the Century of Progress, Chicago, on October 8 under the presidency of Dr. J. Bentley Squier, professor of urology at Columbia University.

THE annual meeting of the American Public Health Association was held in Minneapolis from October 9 to 12. Dr. John A. Ferrell, associate director of the International Health Division of the Rockefeller Foundation, is president. He will preside at the first general session and will make an address on "America's Contributions and Problems in Public Health." At the banquet on October 9 as many as possible of the living members of the U. S. Army Yellow Fever Commission who volunteered as subjects in its historic experiments, will be present. Major Walter Reed, chairman of the Army Commission, made the first announcement of his success in transmitting the disease by the mosquito at the meeting of the American Public Health Association at Indianapolis just thirty years ago. The Surgeon General of the U. S. Army, Major General R. U. Patterson, and General Frederick F. Russell, director of the International Health Division of the Rockefeller Foundation, made the principal addresses.

THE one hundredth anniversary of the founding of the Faculty of Medicine of the National University, Mexico City, will be celebrated in October. There will be a week of "Medical Days," October 23-28, during which lectures, clinics and laboratory demonstrations will be given in public and private hospitals. The committee in charge of the centenary celebration has

invited the governments of several countries and the principal universities of the world to send representatives and is preparing a program of entertainment.

THE British Institute of Metals, according to *Nature*, held its silver jubilee autumn meeting in Birmingham from September 18 to 21, under the presidency of Sir Henry Fowler. The institute was founded in Birmingham twenty-five years ago. An inaugural lecture on "Twenty-Five Years' Progress in Metallurgical Plant" was given by Mr. W. R. Barclay, vice-president, and a series of fourteen papers dealing with various phases of metallurgical work are to be delivered. A feature of the meeting was the reproduction of the first office of the Institute of Metals. This was housed in the metallurgical department of the University of Birmingham, and was set up by the institute's first and only secretary, Mr. G. Shaw Scott, who, with the president and the chairman of the executive committee, will receive the remaining original members of the institute in the reconstituted office. Here visitors will have an opportunity of inspecting the earliest records of the institute—including the original membership applications and photographs taken during the inaugural meeting in 1908. During Mr. Shaw Scott's period of office as secretary and editor the membership of the institute has increased from 200 to 2,200. Whereas originally the membership was confined almost entirely to Great Britain, it now covers the whole world. The institute removed in 1909 to London, where it now has offices at 36 Victoria Street, Westminster, S.W.1.

A RESOLUTION was adopted at the recent Leicester meeting of the British Association for the Advancement of Science "to request the council to consider by what means the association, within the framework of its constitution, may assist towards a better adjustment between the advance of science and social progress, with a view to further discussion at the Aberdeen meeting."

## DISCUSSION

### PRONUNCIATION OF BOTANICAL TERMS

THE diverse pronunciation of botanical terms aroused H. A. Gleason<sup>1</sup> in 1932 to publish an article on that subject. He found that some of the causes for diversity may be attributed to the conflict between the properties of classical and modern languages. Rather guardedly he suggested as a remedy six arbitrary rules, the aim of which is to cause the root elements of spoken scientific terms to be heard as distinct, undistorted entities. Except for an ap-

parent minor blemish in that the vowels of some syllables illustrating the application of the rules are not marked according to familiar dictionary usage for syllables ending with consonants, this is an admirable paper and should receive wide circulation. Its proposals should be accepted and practised universally by English-speaking botanists and zoologists.

Although Dr. Gleason dealt with some of the difficulties attending the pronunciation of scientific names derived from personal and other proper names, he did not consider the surgical method I shall now propose for treating commemorative genitives. According to the codes of nomenclature, these names receive the

<sup>1</sup>H. A. Gleason, "The Pronunciation of Botanical Names," *Torreya*, 32: 3, 53-58, 1932.