

First Term, 1930-1931

Professor G. Hevesy, a native of Hungary, now professor of chemistry, University of Freiburg in Baden, Germany, "Chemical Analysis by X-rays and Its Application"; "Rare Earth Elements and Atomic Structure"; "Chemistry of Hafnium"; "Electrolytic Conduction and Diffusion in Solids"; "Separation of Isotopes."

Second Term, 1930-1931

Professor N. V. Sidgwick, Lincoln College, Oxford, England, "Molecular Structure and the Periodic Classification."

First Term, 1931-1932

Professor W. L. Bragg, University of Manchester, England.

Second Term, 1931-1932

Professor Alfred Stock, Technische Hochschule, Karlsruhe, Germany.

SCIENTIFIC NOTES AND NEWS

DR. WILLIAM WALLACE CAMPBELL, since 1901 director of the Lick Observatory and since 1923 president of the University of California, has announced his intention of resigning from the presidency of the university at the end of the next academic year.

PROFESSOR G. H. PARKER, director of the Harvard Zoological Laboratory, has been elected a corresponding member of the Biological Society of Paris.

At a banquet given on April 19 in the Michigan Union in honor of Mortimer E. Cooley, dean emeritus of the colleges of engineering and architecture of the University of Michigan, he was presented with honorary membership in the American Society of Mechanical Engineers. The presentation was made by Dr. Alex. Dow, president of the Detroit Edison Company and past president of the society. About one hundred and fifty faculty members and friends were present.

THE Pharmaceutical Society of Great Britain has awarded the Hanbury medal "for high excellence in the prosecution or promotion of original research in the natural history and chemistry of drugs" to Dr. Henry Hurd Rusby, professor of materia medica in the College of Pharmacy of Columbia University. The award was made by a committee consisting of the president of the Linnean Society (Sir Sidney Harmer), the president of the Chemical Society (Professor J. F. Thorpe), the president of the Pharmaceutical Society (Mr. H. Skinner), the chairman of the British Pharmaceutical Conference (Mr. R. R. Bennett) and Mr. A. R. Melhuish. It is understood that Professor Rusby will go to England in October to receive the award.

DR. LUDVIG HEKTOEN, head of the department of pathology at the University of Chicago and director of the John McCormick Institute for Infectious Diseases, was decorated on May 14 with the order of St. Olaf, conferred by the king and legislature of Norway for "distinguished service in medical science." The Norwegian consul presented the decoration at a banquet in the La Salle Hotel. The speakers included Dr. Morris Fishbein, editor of the *Journal* of the American Medical Association.

THE Joseph Priestley medal of the American Chemical Society for distinguished services to chemistry will be presented to Mr. Francis P. Garvan at the meeting of the society in Minneapolis next September. Only two previous awards have been made. In 1923 the recipient was the late Ira Remsen, and in 1926 the late Edgar F. Smith.

THE Franklin Institute, Philadelphia, has announced the award of the John Price Wetherill medal to Gustave Fast, of Annapolis, in recognition of mechanical inventions and work in development of mechanical science.

THE University of Cambridge will in June confer honorary degrees on M. Paul Langevin, director of the municipal school of physics and chemistry, the University of Paris, and on Sir Frank Watson Dyson, astronomer royal.

THE Technical Institute at Stuttgart has conferred an honorary doctorate on Dr. Albert König, of the research department of the Zeiss Optical Works at Jena.

GRANTS from the van't Hoff Fund of the American Chemical Society have, according to *Industrial and Engineering Chemistry*, been awarded for the year 1929 as follows: F. Ephraim, Bern, Switzerland; B. Flaschenträger, Leipzig; H. Friese, Berlin-Steglitz; J. Kapfhammer, Leipzig; G. Nicolt, Les Verrières, Switzerland; A. von Kiss, Szeged, Hungary; F. F. Nord, Berlin; L. Orthner, Karlsruhe; O. Schmidt, Heidelberg, and F. Zetsche, Bern.

ALEXANDER G. McADIE, Abbott Lawrence Rotch professor of meteorology at Harvard and director of the Blue Hill Observatory, was elected chairman of the Eastern Section of the Seismological Society of America at the fourth annual meeting of the society, held at Fordham University, New York.

At the annual meeting of the section of oceanography of the American Geophysical Union, National Research Council, held on April 25, the following officers were elected to serve for the next three years: *Chairman*, Austin H. Clark, U. S. National Museum; *Vice-chairman*, Henry B. Bigelow, Harvard

University; *Secretary*, H. A. Marmer, U. S. Coast and Geodetic Survey.

LYMAN BRYSON, lecturer in anthropology at the California State Teachers College, has been appointed director of the San Diego Museum to succeed Dr. Edgar L. Hewett, who has been appointed director emeritus. Dr. Hewett is director of the Museum of New Mexico at Santa Fé.

HORACE W. GILLETT, chief of the division of metallurgy of the Bureau of Standards, has accepted the post of director of the Battelle Memorial Institute at Columbus. The institute, founded by Gordon Battelle, 2nd, and his mother, Mrs. John Gordon Battelle, in memory of Colonel John Gordon Battelle, is a research institution whose object is to promote contact between science and industry.

DR. WILLIAM MARSTON, formerly lecturer in psychology at Columbia University and New York University, has been appointed director of public service in the Universal Pictures Corporation for the purpose of applying psychology to every branch of the motion picture industry from selection of stories to final sales and exploitation of pictures.

DR. ELLWOOD B. SPEAR, for the past six years chief chemist of the Thermatomic Carbon Company, Pittsburgh, Pa., has resigned from this position.

THE Board of National Research Fellowships in the Biological Sciences, of which Dr. Frank R. Lillie, professor of embryology in the University of Chicago, is chairman, held its annual spring meeting on April 25 and 26 and made the following appointments for the year 1929-30: *Reappointments*: M. R. Irwin, zoology; Carlyle F. Jacobsen, psychology; D. C. Smith, zoology; Robert C. Tryon, psychology. *New appointments*: Donald Keith Adams, psychology; Lester G. Barth, zoology; C. R. Burnham, agriculture; C. S. Coon, anthropology; Everett F. Davis, botany; Albert A. Dunlap, botany; Conrad A. Elvehjem, agriculture; Chester W. Emmons, botany; Paul R. Gast, forestry; Myron Gordon, zoology; Harry Grundfest, zoology; Edwin R. Helwig, zoology; A. R. Kelly, anthropology; A. R. Lauer, psychology; Norman R. F. Maier, psychology; O. E. Nelsen, zoology.

PHILIP S. SMITH, chief of the Alaskan Branch of the Geological Survey, left on April 3 to attend the Fourth Pan-Pacific Science Congress in Java. He went by way of Europe and the Suez Canal, and will return by one of the Pacific routes.

THE *Journal* of the American Medical Society reports that Dr. Ernest W. H. Cruickshank has arrived at Halifax from India to become director of the de-

partment of physiology at Dalhousie University. Dr. Cruickshank held a similar post at Peking Union Medical College, Peking, from 1920 to 1924, and then spent eighteen months at Cambridge University, following which he was appointed director of the department of physiology and biochemistry at the Prince of Wales Medical College in Patna, India.

I. FORREST HUDDLESON, of East Lansing, Michigan, has been directed by the U. S. Public Health Service to proceed to Tunis, Africa, Paris and Marseilles, London, Rome, the Island of Malta, Algiers and Morocco, and such other places in Europe and northern Africa as may be necessary in connection with field investigations of undulant fever.

DR. W. M. MANN, director of the National Zoological Park, accompanied by Mr. A. L. Harris, municipal architect, left New York on April 16 for Southampton. They will spend the next two months inspecting the zoological gardens of Europe, studying especially the reptile and batrachian houses and insectaries. The park has an appropriation of \$220,000 for a reptile house, and it is desired to incorporate in the building the best features.

NEIL M. JUDD, curator of American archeology, in the U. S. National Museum, left Washington on May 15 for Flagstaff, Arizona, there to join Dr. A. E. Douglass, of the Steward Observatory of the University of Arizona, and Mr. Lyndon Hargrave, of the Museum of Northern Arizona at Flagstaff, on an archeological reconnaissance of central Arizona in search of ruins from which charred timbers might be recovered. It is the desire of the present expedition, under the auspices of the National Geographic Society, to obtain sections of timbers cut before 1260 A. D. and thus to bridge the single remaining gap in the "tree ring" chronology now being erected by Dr. Douglass and by means of which it is expected most pre-Spanish ruins of the Southwest can be dated. The current researches are in continuation of the society's archeological explorations at Pueblo Bonito, New Mexico, from 1920 to 1927, under direction of Mr. Judd.

DR. ALBERT P. MATHEWS, professor of biochemistry in the University of Cincinnati, addressed the Sigma Xi Club of the University of Alabama on May 10 on "The Coagulation of the Blood."

SIR ERNEST RUTHERFORD, of the University of Cambridge, will lecture before the German Chemical Society at its approaching meeting in Berlin.

CLARENCE W. BALKE, of the Fansteel Products, gave the address in commemoration of the birthday of the late Edgar F. Smith before the department of

chemistry of the University of Pennsylvania on May 23. His subject was "Metals of the Tungsten and Tantalum Groups."

THE family of the late Henry S. Williams, formerly professor of geology and paleontology at Cornell University and founder of Sigma Xi, national honorary scientific society, has given to the university in his memory a fund of \$25,000, which will be named for Professor Williams and which will be used to foster research in the field of geology. Part of the amount will be used for the purchase and maintenance of a summer camp as a place of study for selected students of the department of geology.

At the recent meeting of the American Chemical Society, President Langmuir was authorized to present the claims of chemistry to a place in New York University's Hall of Fame. He was specifically asked to suggest to Dr. Robert Underwood Johnson, who is in charge of the selection of those whose memory is thus perpetuated, that a bust of Josiah Willard Gibbs be placed in the Hall of Fame beside those of other outstanding Americans.

DR. JOHN FRANCIS COWAN, professor of surgery at Stanford University, died on May 17 at the age of fifty years.

INDIANAPOLIS has been chosen for the spring meeting of the American Chemical Society, to be held in 1931, meetings for the next two years being scheduled as follows: Minneapolis, Atlanta, Cincinnati, Indianapolis. Invitations for the fall meeting of 1931 have been presented from Cleveland, Denver, Syracuse and Kansas City by the respective sections having headquarters in these cities. At the recent Columbus meeting Secretary Parsons reported that the society finds itself in the best position of its career in membership gains and totals, as well as in the variety and success of its activities. In the past year there has been a net gain in membership of more than 1,000 and the total membership on April 1 was 17,273.

THE forty-second meeting of the American Astronomical Society will be held at the Dominion Observatory, Ottawa, Canada, from August 27 to 29.

THE annual meeting of the American Home Economics Association will be held in Boston from July 1 to 5.

THE Eta chapter of Sigma Pi Sigma, national honorary physics fraternity, was formally installed at the University of Chattanooga on May 17. Dr. J. M. Douglas, of Davidson College, a national councilor of the society, was the installing officer. Eleven charter members, including Dr. David W. Cornelius, head of the physics department, were admitted. The officers of the chapter are: *President*, Harry B. Deuberry;

Vice-president, Reed Gardner; *Secretary*, Paul O. Farmer; *Treasurer*, Kermit Lowry. This chapter is one of a group to be installed this spring.

PRESIDENT C. C. LITTLE, who retires from the presidency of the University of Michigan at the end of the academic year, has been appointed director of the Roscoe D. Jackson Laboratory for Cancer Research on Mount Desert Island, a short distance from Bar Harbor, Maine. The *Journal* of the American Medical Association recalls that in 1927 a fund was donated to the university for five years to continue research under Dr. Little's direction. It was provided, however, that in case he left the university, the beneficiary of the fund might be changed. The laboratory now being erected in Maine is a two and a half story building with nine rooms for investigators, eleven animal rooms, a histologic laboratory and a record office. The personnel which has been engaged in this work at Ann Arbor will be transferred to the new laboratory. The trustees and donors of the laboratory include Mrs. R. B. Jackson, wife of the late president of the Hudson Motor Car Company; Mr. and Mrs. Edsel Ford, Mr. and Mrs. Richard H. Webber and George B. Dorr. The fund to carry on the work amounts to \$45,000 annually, and if progress warrants, at the expiration of the five-year term, the donors will provide additional support.

THE entire collection of the Academy of Natural Sciences of Philadelphia relating to the archeology and ethnology of the American Indian has been sold to the Museum of the American Indian, Heye Foundation, at Broadway and 155th Street, New York City, and will be transferred there immediately. The principal part is the Clarence B. Moore collection, said to be the largest and finest known collection from the prehistoric Indian mounds of the Southern United States. The transfer also includes the A. H. Gottschall collection and the S. S. Haldeman collection, both of great scientific value. The Gottschall collection comprises thousands of Indian relics, such as costumes, pipes, weapons and stone work. The Haldeman collection is representative of the archeology and ethnology of the Indian and was brought together between 1840 and 1870. Mr. Charles M. B. Cadwalader, director of the academy, is reported to have said that the Moore collection "was going at the request of the donor."

A HERBARIUM containing 40,000 specimens of plants, owned by Dr. Charles Atwood, of Moravia, who died recently, has been presented to Cornell University. The plants in the collection were obtained from all sections of the country, but the majority of the specimens are representative of plant life in central New York, particularly the Finger Lakes region.

DR. HUGH M. SMITH, who has been carrying on an investigation of the fish resources of Siam for the government of that country during the last several years, has been collecting natural history material in his spare time and sending the results of his labors to the U. S. National Museum, amounting now, in birds alone, to several thousand specimens.

H. V. COES, chairman of the finance committee of the American Society of Mechanical Engineers, has received from Ira N. Hollis, honorary member and past-president of the society and chairman of the committee on awards, a check for \$1,000 for a "Bibliography of the History of Engineering" and for books not already in the library of the United Engineering Society in New York.

It is announced that the first congress of the International Society for Microbiology, which was to take place in Paris in October, 1929, has been definitely postponed to June, 1930.

UNIVERSITY AND EDUCATIONAL NOTES

ISIDORE D. MORRISON, a lawyer of New York City, who has been active in the Zionist movement for more than thirty years, has contributed \$100,000, together with a pledge of \$10,000 annually for maintenance, for the establishment of an ophthalmic institute in connection with the Hebrew University in Jerusalem.

DR. ALAN R. ANDERSON, of the Mayo Clinic, Rochester, Minnesota, has taken office as dean of the New York Post-Graduate Medical School to succeed Dr. William D. Cutter, who resigned last July. Dr. Cutter becomes dean of the newly organized medical school of the University of Southern California.

PROFESSOR GEORGE P. BACON, for ten years head of the department of physics at Tufts College, has been appointed dean of the Engineering School.

At Columbia University the following promotions to full professorships have been made: Sam F. Trelease, botany; Harold W. Webb, physics, and J. Enrique Zanetti, chemistry. Promotions to the rank of associate professor include: Earl T. Engle and Bern B. Gallaudet, anatomy; Frederick B. Flinn, physiology in industrial hygiene; Louis P. Hammett, chemistry; John E. Orchard, economic geography; Willard L. Severinghaus, physics, and T. Clinton Taylor, chemistry.

DR. JAMES PIERPONT, professor of mathematics at Yale University, will be a member of the coming University of California Summer Session at Berkeley.

DR. JOSEPH L. GILLSON, associate professor in the department of geology of the Massachusetts Institute

of Technology, has been granted a leave of absence for the year 1929-30, and will serve as associate professor of economic geology at Northwestern University.

DANIEL FRANKLIN HIGGINS, a graduate of Northwestern University and for the present semester lecturer in petroleum geology at that institution, has accepted the professorship of geology at Lincoln Memorial University, Harrogate, Tennessee, for the year 1929-30.

DR. DIETER THOMA, head of the division of hydraulics at the Technical School at Munich, will be visiting lecturer at the Massachusetts Institute of Technology next October.

DR. E. L. BRUCE, professor of mineralogy at Queen's University since 1920, has been appointed first Miller Memorial Professor of Research Geology at Queen's University. The new chair has been founded by friends and students of the late Dr. Miller and by mining companies in Northern Canada.

DISCUSSION

THE FALL ZONE PENEPLANE

WITH the passing of years the subject of the peneplanes of the eastern United States has not gained in simplicity, and some may feel that the addition of another name to those already proposed for such features will needlessly complicate the existing confusion. Nevertheless, the erosional surface to which it is proposed to apply the term Fall Zone peneplane is of considerable importance to the geomorphologic history of the region between Connecticut and Georgia, although it has lacked proper recognition, perhaps on account of the absence of a convenient and suitable means of designation. In the following paragraphs the author sets forth his reasons for adopting the term "Fall Zone peneplane" in the hope that others may find the name useful.

The recognition that the erosional surface underlying the Coastal Plain deposits is entirely distinct in origin from the upland peneplanes of New England and the Piedmont has been a matter of slow development, which need not be discussed here. A number of years ago Shaw¹ reviewed the literature and emphasized the relationships for the region southwest of the Hudson; more recently Renner² has carried the discussion into southern New England. He recognizes the presence of two peneplanes where Davis and earlier writers had found only one: an older steeply sloping surface exposed by the stripping

¹ E. W. Shaw, "Ages of Peneplanes of the Appalachian Province," *Bull. G. S. A.*, 29: 575-586, 1913.

² G. T. Renner, "The Physiographic Interpretation of the Fall Line," *Geog. Review*, 17: 278-286, 1927.