

many volcanic peaks, some rising over 3,700 ft. Caves abound. The climate is delightful and healthful; the nights cool. The mean annual temperature is 76°, the average during the coolest winter month 73°, during the warmest month 79°. The early morning temperature averages 70° in summer, 63° in winter. The average daily maximum is 88° in summer, 83° in winter. The highest temperature recorded on the island last year was 99°. The highest at Mayaguez was 96°. Vegetation is beautiful, distinctly tropical and luxuriant.

The pelagic flora and fauna of the Mona passage are especially interesting. Trawls, dredges, aquaria, etc., will be provided. Fine opportunity is offered for the study of animal and plant anatomy, embryology, physiology, taxonomy, morphology, experimental morphology, ecology, climatic relations and breeding; tropical fauna and flora, marine and land, and problems on geographic distribution and bird migration.

Correspondence of all interested is invited. All who intend to come for summer study, or for other portions of the year, should write several months in advance.

F. L. STEVENS,
Director

SCIENTIFIC NOTES AND NEWS

THE lord provost of Glasgow proposes to convene a conference to promote an international memorial to Lord Lister in Glasgow.

FOR the meeting of the British Association for the Advancement of Science, which is to be held this year at Dundee, beginning on September 4, under the presidency of Professor E. A. Schäfer, F.R.S., the following presidents have been appointed to the various sections: Mathematical and Physical Science, Professor H. L. Callendar, F.R.S.; Chemistry, Professor A. Senier; Geology, Dr. B. N. Peach, F.R.S.; Zoology, Dr. P. Chalmers Mitchell, F.R.S.; Geography, Sir Charles M. Watson, K.C.M.G., C.B., R.E.; Economic Science and Statistics, Sir Henry H. Cunyng-hame, K.C.B.; Engineering, Professor A. Barr; Anthropology, Professor G. Elliot

Smith, F.R.S.; Physiology, Mr. Leonard Hill, F.R.S.; Botany, Professor F. Keeble; Educational Science, Professor J. Adams; Agriculture, Mr. T. H. Middleton.

PROFESSOR CHARLES SEDGWICK MINOT has been selected by the German government as Harvard exchange professor at the University of Berlin for 1912-13. Dr. Rudolf Eucken, professor of philosophy at Jena, has been appointed exchange professor at Harvard University.

DR. WILLIAM T. BRIGHAM, director of the Bishop Museum, Honolulu, has been made a corresponding member of the Imperial Academy of Science, St. Petersburg, and of the Senckenbergische Naturforschende Gesellschaft at Frankfurt.

THE following have been elected correspondents of the Academy of Natural Sciences of Philadelphia: Viktor Goldschmidt, Carlotta J. Maury, John Casper Branner and Charles Haskins Townsend.

PROFESSOR W. ODLING, F.R.S., of Oxford University, has resigned the Waynflete professorship of chemistry, which he has held for forty years.

PROFESSOR A. H. PURDUE, who for nearly sixteen years has held the chair of geology in the University of Arkansas, and since 1907 ex-officio state geologist of Arkansas, has been elected state geologist of Tennessee to succeed Dr. Geo. H. Ashley, resigned.

D. W. OHERN, professor of geology at the University of Oklahoma, has been appointed director of the Oklahoma Geological Survey to succeed Chas. N. Gould, who has resigned to enter private work.

MR. MYRON L. FULLER, a geologist on the U. S. Geological Survey, and Mr. Frederick G. Clapp, formerly of the survey, have organized an association known as the Bureau of Associated Geological Engineers with offices in Boston and Pittsburgh.

MR. E. NEVILLE NEVILL, director of the Natal Government Observatory, Durban, is retiring from office, and will in future live in England.

PROFESSOR J. A. GILRUTH, professor of veterinary pathology in Melbourne University, has been appointed administrator of the northern territory by the commonwealth government.

THE Liverpool health committee has recommended the city council to lend the city engineer, Mr. J. A. Brodie, to the government of India for the purpose of assisting in laying out the new capital of India.

PRESIDENT TAFT appointed the following scientific men on the recent Assay Commission: Professor John Trowbridge, of Harvard, Professor G. W. Stewart, of the University of Iowa, Professor O. L. Shinn, of the University of Pennsylvania, Professor R. C. Benner, of the University of Pittsburgh, Dr. M. Benjamin, of the Smithsonian Institution, and Dr. L. A. Fischer, of the Bureau of Standards.

THE Entomological Society of America has appointed Professor John B. Smith, Rutgers College, Dr. L. O. Howard, chief, Bureau of Entomology; Dr. E. P. Felt, New York state entomologist; Dr. W. M. Wheeler, Harvard University, and Dr. W. E. Britton, Connecticut state entomologist, as delegates to the centennial of the Philadelphia Academy of Sciences, to be held on the 19th, 20th and 21st of March. Professor George Grant MacCurdy will be the delegate from the Paris School of Anthropology.

THE anniversary meeting of the Geological Society of London was held on February 16, when officers were appointed as follows: *President*, Dr. A. Strahan, F.R.S.; *vice-presidents*, Professor E. J. Garwood, Dr. J. E. Marr, F.R.S., Mr. R. D. Oldham, F.R.S., and Professor W. W. Watts, F.R.S.; *secretaries*, Dr. A. Smith Woodward, F.R.S., and Mr. H. H. Thomas; *foreign secretary*, Sir Archibald Geikie, K.C.B., president R.S.; *treasurer*, Mr. Bedford McNeill. The following awards of medals and funds were made: Wollaston medal, Mr. Lazarus Fletcher, F.R.S.; Murchison medal, Professor Louis Dollo; Lyell medal, Mr. Philip Lake; Wollaston fund, Mr. C. I. Gardiner; Murchison fund, Dr. A.

Morley Davies; Lyell fund, Dr. A. R. Derryhouse and Mr. R. H. Rastall.

DR. SVEN HEDIN is planning a new expedition to Asia.

AN expedition to Newfoundland will be conducted next summer by Professor R. S. Tarr, of Cornell University, to which a limited number of students will be admitted. The geology and physiography of the island will be studied in the field. The party will carry its own camping equipment.

PROFESSOR RAYMOND J. POOL, of the University of Nebraska, has been granted a leave of absence from May 15, in order that he may continue his studies of the vegetation of the Sand Hills of Nebraska. It is planned to extend the detailed work of last summer over a wide territory and into portions of the hills that have never been visited by botanists. Special attention will be paid to the bunchgrass association, to the preparation of vegetation maps and to the vegetation (exclusive of the algae) of the alkaline lakes which are scattered in great numbers throughout the region. A collection of herbarium specimens will also be made. Professor Pool will be assisted by Mr. Donald Folsom, who is at present the collector for the department of botany in the university.

DR. DAVID T. DAY, of the U. S. Geological Survey, has gone to Vienna, Austria, to attend the meeting of the International Commission of Petroleum Testing Methods.

PROFESSOR A. A. MICHELSON, of the University of Chicago, will give the annual address before the Michigan Academy of Science at Ann Arbor on March 27. His lecture will be on "Iridescent Colors of Birds and Insects."

PROFESSOR H. S. JENNINGS, of the Johns Hopkins University, gave the tenth Hervey lecture at the New York Academy of Medicine on March 2, his subject being "Old Age, Death and the Meaning of Conjugation in Lower Animals."

AT the meeting of the Chemical Society at George Washington University on February 15, Dr. Frank Wigglesworth Clark, chief chemist of the U. S. Geological Survey and

professor of mineralogical chemistry at the university, gave an address on the "Composition of the Earth's Crust."

DR. L. A. BAUER, director of the Department of Terrestrial Magnetism of the Carnegie Institution, gave an address on "The Recent Cruise of the Non-magnetic Ship *Carnegie*" at the College of the City of New York on March 1.

THE following lectures have recently been delivered at the University of Missouri under the auspices of the Scientific Association: Professor W. Johannsen, of the University of Copenhagen, February 21 and 22, on "Modern Problems of Heredity"; Professor Albert Bushnell Hart, of Harvard University, February 24, on "America in the Orient."

A LECTURE on sanitation and public health, under the auspices of the department of sanitary engineering of the University of Pittsburgh, was given in Thaw Hall, on March 5, by Professor C.-E. A. Winslow, of the College of the City of New York. This was the third in this series of lectures, the others having been given by Professor Wm. T. Sedgwick and Dr. M. J. Rosenau, respectively. Professor Winslow discussed "Air Supply and the Public Health."

PROFESSOR GEORGE GRANT MACCURDY gave a public lecture in the University Chapel, Columbus, on the evening of March 1 by invitation of the Omega Chapter of the Sigma Xi of the Ohio State University, his subject being "Pre-Columbia Art."

PROFESSOR J. HOWARD MATHEWS, of the department of chemistry of the University of Wisconsin, gave an illustrated lecture on February 7 before the Purdue Chapter of Sigma Xi, at Lafayette, Indiana, on "The Scientific Applications of Color Photography."

UNDER the auspices of the department of geology, Professor Ellsworth Huntington, of Yale University, delivered three illustrated lectures on the general subject of "The Desert" at the University of Michigan, on February 28 and 29 and on March 1. The subjects of his lectures were: "Chinese Turkestan as an Example of the Relation of Deserts

to Geological Processes," "Palestine as an Example of the Effect of Minute Differences of Geological Structure upon History" and "Historic Changes of Climate as an Example of the Application of Geological Methods to Historical Problems."

DR. C. L. BABCOCK, of Boston, lectured under the auspices of the department of archeology at Oberlin College on March 5 on the excavations at Cnosis in Crete. Dr. Babcock studied the excavating done by Mr. Arthur Evans, the result of which was the discovery of what is very probably the palace of King Minos, so complicated in detail that it may well have been called the labyrinth. These discoveries have moved back the beginnings of European history well toward 10,000 B.C. The lecture was illustrated with a large number of stereopticon slides prepared by Dr. Babcock himself supplemented by others loaned from the Boston Museum of Fine Arts.

It is proposed to erect a monument to Dr. J. Janssen, eminent for his work in astrophysics. The officers of the organizing committee are: *President*, H. Poincaré; *vice-presidents*, B. Baillaud and G. Bigourdan; *secretary*, P. Puiseux; *treasurer*, H. Dehérain, Bibliothécaire à l'Institut, Paris, to whom contributions should be sent.

MR. GEORGE MAW, known for his important contributions to botany and other natural sciences, died at Kenley, Surrey, on February 7, aged eighty years.

THE death is announced at Bergen of Dr. G. H. A. Hansen, eminent for the discovery of the bacillus of leprosy in 1871.

M. EUGÈNE CAVENTON, the distinguished chemist and member of the French Academy of Medicine since 1870, has died at the age of eighty-three years.

THE committee on scientific research of the American Medical Association has charge of a small fund which is to be used to promote research. The committee is desirous that this money should be used to meet actual needs and to promote investigative work not otherwise adequately provided for. Applications

for grants are invited. The applicant should state fully the purpose for which the grant is desired; the qualifications of the applicant and the general opportunities and conditions under which the work is to be done. The members of the committee are Ludvig Hektoen, Chicago (1743 W. Harrison St.), Graham Lusk, New York, and Eugene L. Opie, St. Louis, Mo.

MR. GEORGE HENRY VERRALL, formerly Conservative M.P. for East Cambridgeshire, a former president of the Royal Entomological Society, who died on September 16, left his collection of British Diptera and the cabinets in which it is contained to his nephew, James Edward Collin, conditioned upon his offering to the Natural History Museum, South Kensington, three pairs of each species of which he possessed a full series (six pairs constitute a full series), and at least one pair of each species of which he possessed more than one pair; and all his real and personal estate in the parish of Wicken, Cambs, to the National Trust for places of historic interest or natural beauty.

THE Biological Survey of the Agricultural Department has secured the cooperation of the National Zoological Park in experiments in breeding mink for the purpose of ascertaining the possibilities of rearing them in captivity for commercial purposes.

UNIVERSITY AND EDUCATIONAL NEWS

GIFTS of over half a million dollars to the University of California have just been consummated, through the deeding of property by trustees for the late Mrs. Jane K. Sather, of Oakland. Plans have been begun for the Sather Campanile, a lofty bell-tower, for which Mrs. Sather provided some \$200,000. Two professorships are endowed; the Jane K. Sather chairs in classical literature and history will each have an endowment of approximately \$120,000. Endowment is provided for three book funds.

OFFICIAL record has been made in the city of Philadelphia of the transfer of the new tuberculosis hospital built and endowed by Mr. Henry Phipps to the University of Penn-

sylvania. The cost of the new building is \$300,000, and the entire project will represent an outlay of about \$1,000,000.

THE Illinois State Supreme Court has rendered a decision which declares unconstitutional an act of the last legislature which voted an item of \$60,000 for the medical school of the university. As many of the other acts of the legislature were passed in the same manner, there is considerable confusion in the minds of people as to what the outcome may be. It is thought that a special session of the legislature may be called to straighten out affairs.

THE departments of horticulture and plant pathology of the University of Wisconsin have moved into their new building. It is a two-story and basement brick structure, 48 by 128 feet, and with attic space for laboratories. The cost of the building was \$60,000, exclusive of the four greenhouses, potting house and pathologium, situated in the rear of the building. In the basement of the new structure are spray laboratories, fruit rooms and bulb rooms, while the offices, lecture rooms and general laboratories of the horticulture department are on the first floor. The second floor is given over to the plant pathology department, under Professor L. R. Jones. Professor J. G. Moore is at the head of the horticulture department.

THE royal commission on university education in London has recommended a building for the university to be placed on a vacant site of more than 100,000 square feet immediately behind the extension of the British Museum. The site consists of four plots, two on each side of the new British Museum Avenue, on one of which it is proposed that a spacious hall should be built for the university, the other three plots being used for administration, library, small lecture theaters and rooms for graduates. The site is part of the Bedford estate, and it is stated that the Duke of Bedford is prepared to dispose of it for the purposes suggested.

DR. ARTHUR HOLMES, assistant professor of psychology at the University of Pennsylvania,