

helped to opportunities for further studies. The months of July and August, with probably a part of September, will be spent in visits to the various sites and museums; the rest of September and October will be devoted to field work in France; and for the winter months arrangements will be made in Paris or elsewhere according to the best interests of the students.

The conditions of affiliation with the school on the part of the students are good health and character, proper introduction, serious purpose and a spirit of earnest cooperation with the director. The students may be accepted for three, six, nine or twelve months. They pay nothing to the school or for field work, but defray all their personal expenses. To reduce the latter and facilitate matters in general, the students will elect among themselves a committee which will see to transportation, accommodation and other things concerning the whole group. Upon the completion of their course, deserving students will be given a suitable certificate by the school.

Applications should be sent to the director before May 30 at the latest. The participants will need to make steamship reservations well in advance and allow plenty of time for obtaining their passports and visés.

ALEŠ HRDLIČKA
Director, 1923-24

U. S. NATIONAL MUSEUM,
WASHINGTON, D. C.

SCIENTIFIC NOTES AND NEWS

At the meeting of the National Academy of Sciences held in Washington on April 25 Dr. A. A. Michelson, professor of physics in the University of Chicago, was elected president in succession to Dr. Charles D. Walcott, secretary of the Smithsonian Institution. Dr. J. C. Merriam, president of the Carnegie Institution of Washington, was elected vice-president in succession to Dr. Michelson. Dr. David White, of the United States Geological Survey, was elected secretary to succeed Dr. C. G. Abbot, assistant secretary of the Smithsonian Institution and director of the Astrophysical Observatory. Professor R. A. Millikan, of the California Institute of Technology, continues as foreign secretary and Dr. F. L. Ransome, as treasurer.

THE following men of science have been elected to membership in the National Academy of Sciences: Solon Irving Bailey, Harvard Observatory; James Henry Breasted, University of Chicago; Ernest William Brown, Yale University; Carl H. Eigenmann, University of Indiana; Yandell Henderson, Yale University; Marshall Avery Howe, New York Botanical Garden; Max Mason, University of Wisconsin; Elmer Drew Merrill, Bureau of Science, Manila; Eugene Lindsay Opie, Washington University, St. Louis; Leonhard Stejneger, United States National Museum; George Fillmore Swain, Harvard University; Richard Chace Tolman, California Institute of Technology; David Locke Webster, Stanford University; Frederick Eugene Wright, Geophysical Laboratory of the Carnegie Institution; Robert Mearns Yerkes, National Research Council.

At the meeting of the American Philosophical Society on April 21, the following were elected to membership: Frank Aydelotte, Swarthmore; Edward Asahel Birge, Madison; Isaiah Bowman, New York; Carl Darling Buck, Chicago; Karl E. Compton, Princeton; Herbert Ernest Gregory, New Haven; Charles Downer Hazen, New York; Phoebus A. Levene, New York; George Perkins Merrill, Washington; Samuel Alfred Mitchell, Charlottesville; Richard Bishop Moore, Washington; William John Sinclair, Princeton; Vilhjálmur Stefánsson, New York; Rodney H. True, Philadelphia; Thomas Wayland Vaughan, Washington.

A CITATION for the award of a distinguished service medal to Dr. Harvey Cushing of Boston has been approved by Secretary of War Weeks. The citation refers to Dr. Cushing as senior consultant of surgery of the American Expeditionary Forces and in direct charge of treatment of gunshot wounds of the First Army Hospital during the Meuse-Argonne offensive and says: "He performed conspicuous and distinguished services to the government" and "his individual efforts in that capacity saved the lives of many severely wounded soldiers."

AWARDS of the Royal Geographical Society have been made as follows: The Founder's Medal to Mr. Knud Rasmussen for his exploration and research in the Arctic regions during the last twenty-five years. The Patron's Medal to the Hon. Miles Staniforth Cater

Smith, for his explorations in the unknown interior of Papua. The Murchison Grant to Captain A. G. Stigand, for his map of Ngamiland. The Back Grant to Mr. B. Glanvill Corney, for his studies in the historical geography of the Pacific. The Cuthbert Peek Grant to Messrs. R. A. Frazer and N. E. Odell, to assist them in continuing their explorations of Spitsbergen. The Gill Memorial to Captain Augiéros for his journey in 1920-1921 from Algiers to Mauritania.

THE Hansen prize for distinguished microbiological work has been awarded this year by the committee of Danish trustees to Dr. E. J. Allen, director of the Marine Biological Association's laboratory at Plymouth.

DR. HUGH M. SMITH, formerly commissioner of fisheries, has been appointed fisheries adviser of the Siamese government. Dr. Smith is sailing for Bangkok by way of San Francisco and Honolulu.

N. H. DARTON has returned to his office in the United States Geological Survey after an absence of nearly two years completing the field work on the geologic map of Arizona. The University of Arizona recently conferred on Mr. Darton the honorary degree of doctor of science in "recognition of his investigations on the geology of the Southwest."

THE first award of the Mary Ellis Bell Prize for the best undergraduate work in medical research at the University of Pennsylvania was made to Messrs. J. B. Barnwell and R. Lynch for their work on transplantation of islet tissue. This work was presented at the fifteenth annual meeting of the Undergraduate Medical Association on April 19.

PROFESSOR T. H. PARDO DE TAVERA, of the University of the Philippines, has been appointed director of the Philippine library and museum.

DR. VICTOR F. HESS, chief physicist of the United States Radium Corporation, has resigned in order to return to the University of Graz, where he holds the chair of experimental physics.

PROFESSOR GEORGE C. WHIPPLE, of Harvard University, has resigned from the Public Health Council of the Massachusetts State Department

of Public Health in order that he may have more time for his teaching and for his private practice. Professor Whipple was recently elected president of the Anti-mosquito Association of Massachusetts.

PROFESSOR SUTHERLAND SIMPSON, of the Ithaca Branch of the Cornell University Medical College, will leave late in May to attend the eleventh international physiological congress at Edinburgh and will spend the rest of his sabbatic leave in Denmark, Holland, France and Belgium, returning to Ithaca for the second term of the next academic year.

DR. WALTER W. KING, surgeon, United States Public Health Service, Washington, has been directed to proceed to Hull, England, to attend the Congress of the Royal Sanitary Institute, beginning on July 30.

SIR HAROLD JALLAND STILES, professor of surgery at the University of Edinburgh and former president of the Association of Surgeons of Great Britain and Ireland, occupied the chair of Dr. Harvey Cushing of Harvard University, Boston, for one week during April; he then spent a week at the Johns Hopkins University, Baltimore.

THE *Journal* of the American Medical Association writes: "In 1919, the American Association of Pathologists and Bacteriologists presented to Dr. Harold C. Ernst, Boston, a gold headed cane, a token of appreciation of his services to the association and to medicine. Before his death, in 1922, Dr. Ernst conceived the idea of using the cane as a sign of approval of the work of those who represent the best traditions in medicine. The council of the association will, therefore, confer custodianship of this token from time to time, such custodianship to last throughout the recipient's lifetime. It was unanimously voted this year to confer the custody of the cane on Dr. William H. Welch, of Baltimore, who has accepted the honor. Dr. Welch will prepare a manuscript on his experiences in medicine, to maintain the historical significance of the cane."

THE formal opening of the laboratories of the Philadelphia Research Institute of Cutaneous Medicine was held on April 26, with Dr. David Riesman presiding. Dr. Udo J. Wile, of the University of Michigan, gave the opening

address. Dr. Jay Frank Schamberg is director of the institute.

DR. OTTO MEYERHOF, professor of physiology in the University of Kiel, as a guest of the department of physiology of Washington University School of Medicine, lectured on the "Dynamics of muscles" and the "Energetics of cell processes" on April 17 and 18.

PROFESSOR HERMAN L. FAIRCHILD, emeritus professor of geology in the University of Rochester, was the speaker at the weekly luncheon of the Cornell Club of Rochester on March 14. His subject was "The conservation of the water supply in New York state."

ON March 29 to 31, Dr. T. Wayland Vaughan, of the United States Geological Survey, gave a series of five lectures on the origin of limestone and coral, coral reefs and coral reef regions before the faculty and advanced students of the department of geology of the University of Wisconsin.

THE May lecture of the Institute of Metals for the present year was delivered by Dr. W. Rosenhain on May 2. The subject was "The inner structure of alloys."

A MEETING was held at Columbia University on April 24 to commemorate the four hundred and fiftieth anniversary of the birth of Copernicus. Addresses were delivered by President Nicholas Murray Butler, Dr. Henry S. Pritchett, president of the Carnegie Foundation for the Advancement of Teaching, and Ladislav Wroblewski, Polish minister to the United States.

THE Paris correspondent of the *Journal* of the American Medical Association writes: "The government, desirous of encouraging all movements connected with the commemoration of Pasteur and deeming it advantageous to offer all the elements of the population an opportunity to participate, has authorized a tag day in honor of Pasteur. It will not be the sole purpose of this manifestation to exalt the memory of one of the most eminent French scientists. Of equal importance will be the endeavor to awaken public opinion in support of a widespread movement in favor of the development of scientific laboratories and the improvement of the various material resources placed

at the disposal of our men of science for the carrying out of their researches. A circular letter expressing this idea has been sent to the prefects by the minister of the interior. May 27 has been chosen for the tag day. The proceeds will be used for the benefit of scientific laboratories."

MR. EDMUND F. DICKINS, hydrographic and geodetic engineer in the United States Coast and Geodetic Survey since 1869, died at San Francisco, California, March 2, in the seventy-ninth year of his age, after a service of fifty-one years. He had been retired from active duty since 1920. He was director of coast surveys in the Philippine Islands from 1908 to 1911 and had held many other important assignments.

DR. JOHN VENN, president of Caius College, Cambridge, distinguished for his work on logic and later for his archeological researches, died on April 4, in his eighty-ninth year.

DR. CHARLES EMMANUEL FORSYTH MAJOR, F. R. S., known for his work in paleontology, died on March 25, aged seventy-nine years.

ERNEST WATSON VREDENBURG, known for his work on the paleontology of India, died on March 12, aged fifty-three years.

A CORRESPONDENT writes: News has been received of the death on April 11, at Cringleford, Norwich, of Frederick William Harmer, father of the director of the British Museum (Natural History), in his eighty-eighth year. A fellow of the Geological Society and long interested in the Pliocene of Britain, he was active until the very last, completing just before his death the last plate of his important "Monograph of the British pliocene mollusca" which has been in process of publication since 1914 by the Paleontographical Society. This work for future students will take the place long occupied by the classical monograph of the Crag Mollusca, by Searles Wood, and constitutes a permanent memorial of its venerable author.

THE meeting of the French Association for the Advancement of Science will be held this summer at Bordeaux.

THE department of geology, United States National Museum, has received as a gift from Dr. Frank Springer the paleontological collec-

tions of the late Orestes H. St. John. The collection contains a large and valuable series of Selachian fishes including many type specimens, the most notable of these being a specimen from the coal measures of Kansas, containing the complete dentition of a large shark of paleozoic time.

DR. BRUNO GALLI VALERIO, professor at the Lausanne University, proposes to erect a meteorological observatory and a scientific research station on the top of the Rochers de Naye (6,473 ft.) above Montreux.

PRESIDENT MARION L. BURTON, of the University of Michigan, has received a letter from Carl Guthe, who is conducting an archeological expedition of Michigan men in the Philippines, in which the writer tells of the success of the expedition. More than 100 caves have been uncovered by the excavators in which were discovered many ancient implements and other remnants of an extinct civilization. The party is carrying on the expedition through the generosity of a Detroit alumnus, who provided anonymously \$30,000 for the expenses of the expedition.

THE *London Times* reports that a number of German professors and officials have issued Easter appeals for monetary assistance on behalf of their various institutes. Professor Einstein, who appeals on behalf of the Kaiser Wilhelm Institute for Physics, states that the income of the institute before the war was 75,000 marks (then worth £3,750). It is now about 22,000,000 marks, which is worth about £225. Appeals are made also for the Cancer Research Institute, the Botanical Gardens and other institutions.

HIRAM PERCY MAXIM, president of the American Radio Relay League, will confer with Donald B. MacMillan, polar explorer, to make arrangements to send an amateur radio operator of the league to the polar regions on MacMillan's expedition next June. It will be the first time that a polar expedition will be in regular communication with the amateur radio operators of the country. The operator will be selected from 12,000 league members by questionnaires, which are being sent to amateur operators in all parts of the United States. Mr. MacMillan will make the selection.

UNIVERSITY AND EDUCATIONAL NOTES

THE \$2,000,000 endowment fund for the Henry Phipps Psychiatric Clinic at the Johns Hopkins University has been completed.

PLANS have been completed for the establishing of a \$500,000 maternity hospital with the Washington University School of Medicine group. This hospital will be an eight story building and will eventually have a two hundred and fifty bed capacity instead of the thirty-three bed capacity of the present St. Louis Maternity Hospital, which it will succeed. It will have a similar affiliation with the medical school as the St. Louis Children's, the Shriners' Hospital for Crippled Children and the Barnes Hospital now hold. Ground will be broken within the next six months.

GOVERNOR SMITH has vetoed the appropriation of \$830,000 for a new plant industry building for the New York College of Agriculture at Cornell University with the explanation that a special bill would later carry a larger sum, in accordance with new estimates made by the state architect.

WITHROW MORSE, Ph.D. (Columbia) has been elected to the chair of physiological chemistry and toxicology in the Jefferson Medical College, Philadelphia. Dr. Morse is at present professor of physiological chemistry in the school of medicine of the West Virginia University.

PRESIDENT WALLACE W. ATWOOD announces a number of additions to the faculty of Clark University, including, for one year, Dr. J. F. Neimeyer, rector of the University of Utrecht, Holland, economic geography; Dr. Oliver Edwin Baker of the United States Department of Agriculture, professor of agricultural geography; Dr. Alfred L. P. Dennis, professor of modern history; Clarence Fielden Jones, M.S., assistant professor of economic geography; Ellen Church Temple, acting professor of anthropo-geography; William L. Langer, assistant professor of European history; Douglas C. Ridgeley, professor lecturer in geography.

THE resignations from Clark University are announced of Dr. Harry E. Barnes, professor of the history of thought and culture, and Rob-