

## SCIENTIFIC NOTES AND NEWS

COMMEMORATION day will be observed by the University of Glasgow on June 25, when Professor F. O. Bower, F.R.S., will deliver an oration on "Sir Joseph Hooker."

THE Aero Club of Washington held a field day last Monday in commemoration of the anniversary of Secretary Langley's first aerodrome flight on May 6, 1896. Professor Willis L. Moore, president of the club, gave an address on Langley's work and influence on aviation. General Robert Shaw Oliver spoke on the work of the army in aviation, and Captain W. I. Chambers, on the work of the navy.

A PORTRAIT of Dr. Edgar F. Smith, provost of the University of Pennsylvania, painted by Mr. Hugh H. Breckenridge, will be presented to the university by the members of the class of 1902 College on the occasion of their tenth anniversary this June.

THE speaker at the annual commencement exercises of the Johns Hopkins University on June 11 will be Dr. William C. Gorgas, chief sanitary officer of the Panama Canal Zone and member of the Isthmian Canal Commission.

DR. WILHELM FIEDLER, professor of mathematics at Zurich, has celebrated his eightieth birthday.

MAJOR VON ABERCRON, known for his work in aeronautics, has been made an honorary doctor by the University of Marburg.

DR. ADOLF VON KOENEN, professor of geology at Göttingen, has received the honorary doctorate of engineering from the Technological Institute of Hanover.

AT the celebration of the seventy-fifth anniversary of the foundation of the University of Athens, on April 10, honorary degrees in medicine were conferred, as reported in *Nature*, on Professors von Behring (Marburg), Celli (Rome), Ehrlich (Frankfort), Exner (Vienna), Golgi (Pavia), Kronecker (Berne), Laudouzy (Paris), Richet (Paris), Sir Ronald Ross (Liverpool), Roux (Paris), Schulze (Würzburg), Weichselbaum (Vienna) and others. The degree of doctor of philosophy was conferred on Sir Donald MacAlister

(Glasgow), Delbrück (Jena), Dörpfeld (Athens), Gubernatis (Rome), Harnack (Berlin), Kenyon (London), Mahaffy (Dublin), Wheeler (Berkeley) and others; and the degree of doctor of science on Professor Depéret (Lyons), Halácsy (Vienna), Lacroix (Paris), Lepsius (Darmstadt), Partsch (Leipzig) and Philippson (Bonn).

THE third annual award of the Hunterian Society's medal has been made to Dr. A. Goulston, of Heavitree, Exeter, for his essay on "The Use of Sugar in Heart Disorders."

GRANTS have been made from the C. M. Warren Fund of the American Academy of Arts and Sciences as follows: To Professor H. G. Byers, University of Washington, \$250, for work upon the passivity of metals. To Professor W. D. Harkins, University of Montana (to be at Chicago University), \$300, for work upon the energy relations in a surface between two liquid phases. To Dr. Latham Clark, Harvard University, \$150, for work on the paraffin hydrocarbons.

MR. R. N. LYNE, director of agriculture in Portuguese East Africa, has been appointed the director of the new agricultural department of Ceylon.

DELEGATES have been appointed by the Academy of Natural Sciences of Philadelphia as follows: To the Second International Congress of Entomology, Dr. Henry Skinner, Professor Philip P. Calvert and Dr. W. J. Holland; to the Eighteenth International Congress of Americanists, Sir Thomas Lauder Brunton.

DR. EDWARD BARTOW, director of the State Water Survey and professor of chemistry at the University of Illinois, has been appointed a delegate to the fifteenth International Congress of Hygiene and Demography, to be held in Washington, September 23 to 28.

DR. H. B. WARD, head of the zoological department of the University of Illinois, has been appointed delegate of the Illinois Academy of Science to the meetings of the Iowa Academy of Science at Des Moines. He will deliver two addresses.

THE New York Section of the American Chemical Society has appointed a committee on occupational diseases in chemical trades as follows: Charles Baskerville, professor of chemistry, College City New York, *Chairman*; E. C. Uhlig, chief chemist, Brooklyn Union Gas Co., Brooklyn, *Secretary*; George P. Adamson, Baker and Adamson Chemical Co., Easton, Pa.; W. H. Bassett, American Brass Co., Waterbury, Conn.; Wm. F. Doerflinger, consulting chemist, 52 Beaver St., New York City; H. M. Kaufman, Mutual Chemical Company of America, 55 John St., N. Y.; A. C. Langmuir, chairman of the New York Section, American Chemical Society, 9 Van Brunt St., Brooklyn, N. Y.; Geo. A. Prochazka, general manager Central Dye Stuff and Chemical Company; Geo. D. Rosengarten, Powers, Weightman and Rosengarten, Philadelphia, Pa.; A. H. Sabin, consulting chemist for the National Lead Company, 129 York St., Brooklyn, N. Y.; Charles L. Parsons, mineral chemist, Bureau of Mines, Washington, D. C. This committee will work in co-operation with the committee of the Association for Labor Legislation.

DEAN EUGENE DAVENPORT, of the College of Agriculture of the University of Illinois, was the speaker at the recent commencement exercises of the University of Nebraska College of Agriculture.

R. G. DUKES, professor of applied mechanics at Purdue University and second of the exchange lecturers with the University of Illinois, lectured April 26 on "The Recent Discoveries in Physical Science and their Bearing on the Progress of Engineering." Mr. O. P. Hood, who is mechanical expert for the United States Bureau of Mines at Pittsburgh, also addressed the meeting.

DEAN C. H. JOHNSTON, of the University of Kansas, gave three lectures before the School of Education of the University of Illinois on April 29 and 30 on present problems in high school organization.

THE annual commencement address of the Missouri School of Mines will be given by

Mr. James R. Finlay, of New York City. Exercises will be held on the morning of May 31. The graduating class numbers forty.

THE University of Pennsylvania Chapter of the Society of the Sigma Xi initiated twenty-nine new members on April 23. Among them were Professor Samuel Christian Schmucker, of the West Chester State Normal School, and Mr. Witmer Stone, a curator in the Academy of Natural Science in Philadelphia. Professor George Hervey Hallett, of the University of Pennsylvania, addressed the Chapter on the subject of "Hyperspace." Professor George F. Sever, president of Columbia chapter, was present as a delegate from that chapter.

THE Museum of the University of Pennsylvania has arranged to send an expedition to the Amazon under the direction of Mr. Algot Lange. The expedition will be furnished with a steamer which will be large and seaworthy enough to carry the party from New York to the mouth of the Amazon and up the Amazon for several thousand miles to the tributaries where the Indian tribes will be studied and collections made for the next three years.

MR. GEORGE BORUP, a graduate student in geology at Yale University, and Mr. S. W. Case, a graduate student in mining, were drowned in Long Island Sound on April 28, by the overturning of a power canoe. Mr. Borup accompanied Commander Peary in his Arctic expedition, and had planned to undertake this summer with Mr. D. B. McMillan, an expedition to Crocker Land, as described in a recent issue of *SCIENCE*.

THE heirs of the late Frau Adelheid Bleichröder have given the German Association of Physicians and Scientific Men \$25,000 for the support of research work in medicine and the sciences contributory to medicine.

THE provisional arrangements for the forthcoming celebration of the 250th anniversary of the Royal Society, as given in *Nature*, are as follows: Monday, July 15—An evening reception of delegates at the rooms of the Royal Society. Tuesday, July 16—In the

morning a commemorative service in Westminster Abbey; in the afternoon the official reception of delegates at the Royal Society and presentation of addresses; in the evening a commemorative dinner at the Guildhall. Wednesday, July 17—In the morning visits to places of interest in London; in the afternoon the Duke of Northumberland gives a garden-party at Sion House; in the evening a *conversazione* in the rooms of the Royal Society. Thursday, July 18—In the morning visits to places of interest in London; in the afternoon H.M. the King gives a garden-party at Windsor, to which the delegates and fellows of the society will be invited. Friday, July 19—The delegates will visit Oxford and Cambridge Universities.

THE coming of age of the Babcock butter-fat test, which was invented by Professor S. M. Babcock, of the University of Wisconsin, twenty-one years ago, has been recognized by the university in a new bulletin written by Dean H. L. Russell, of the College of Agriculture, in which he gives the history and growth of the use of the test throughout the world. Pictures of the original testing machine, now in the dairy school of the university, and of the latest improved forms of testers are shown in the bulletin.

THE prize of the foundation George Montefiore will be awarded 1914 for the scientific advancement or application of electricity. The works may be printed or in manuscript and must be in French or English. The value of the prize is \$4,000 and the works must be received not later than March 31, 1914.

THE Warren Triennial Prize, founded by the late Dr. J. Mason Warren, of Boston, in memory of his father, will be awarded in 1913 for the best dissertation on some subject in physiology, surgery or pathological anatomy, the arbitrators being the physicians and surgeons of the Massachusetts General Hospital. The amount of the prize is \$500.

THE surgeon general of the army announces that preliminary examination for the appointment of first lieutenants in the army medical corps will be held on July 15, 1912, and Sep-

tember 3, 1912, at points to be hereafter designated. Full information concerning these examinations can be procured upon application to the "Surgeon General, U. S. Army, Washington, D. C." The essential requirements to securing an invitation are that the applicant shall be a citizen of the United States, shall be between twenty-two and thirty years of age, a graduate of a medical school legally authorized to confer the degree of doctor of medicine, shall be of good moral character and habits, and shall have had at least one year's hospital training, after graduation. The examinations will be held concurrently throughout the country at points where boards can be convened. Due consideration will be given to localities from which applications are received, in order to lessen the traveling expenses of applicants as much as possible. The examination in subjects of general education (mathematics, geography, history, general literature and Latin) may be omitted in the case of applicants holding diplomas from reputable literary or scientific colleges, normal schools or high schools, or graduates of medical schools which require an entrance examination satisfactory to the faculty of the Army Medical School. In order to perfect all necessary arrangements for the examination, applications must be complete and in possession of the adjutant general at least three weeks before the date of examination. Early attention is therefore enjoined upon all intending applicants. There are at present sixty-eight vacancies in the medical corps of the army.

THE trustees of Phillips Academy, Andover, Mass., have authorized the department of archeology to begin an archeological survey of Maine this year. Already the curator, Mr. W. K. Moorehead, has had an agent of the department in Maine for some weeks. A number of camp sites, cemeteries and other places have been entered on the standard government maps. It is proposed to map the entire state. The indications are that the ancient Indian population was most numerous along the coast, about Sebago Lake, on the lower Penobscot, Moosehead Lake and Cham-

berlain Lake. A number of students will accompany Mr. Moorehead and others to Maine in June. The excavation of one or two sites will be begun in May.

THE University of Michigan Museum of Natural History will send an expedition to Nevada in July and August to secure zoological material for research and illustrative purposes. The investigations will be carried on as the museum conducts all of its field work outside of the state, that is, only a few groups and a small area will be considered and these will receive detailed study. One half of the expense of the expedition will be provided by Mr. Bryant Walker and one half by the university. The museum will also this summer begin a biological survey in the northern part of Chippewa County, Michigan. Hon. George Shiras 3d has provided for the expenses that will be incurred in the preliminary work this summer, and the Michigan Geological and Biological Survey and the museum will complete the study.

THE program of business for the eighteenth annual meeting of the British Medical Association in Liverpool has been issued. The representative meeting will begin on July 19. The annual general meeting will take place on the afternoon of July 23, and the president, Sir James Barr, will deliver his address in the evening. The sectional meetings will be held on July 24, 25 and 26. The address in medicine will be delivered by Dr. G. A. Gibson, of Edinburgh, and the address in surgery by Mr. F. T. Paul, of Liverpool. The scientific program of the meeting will be conducted in 20 sections.

THE Anglo-American Medical Association, which was founded in Berlin some eight or nine years ago and reconstituted in 1910, has recently acquired, as we learn from the *British Medical Journal*, well-situated quarters of its own at the Hotel Atlas, 105, Friedrichstrasse. They are open daily from 12 to 2 for luncheon; the assistant secretary is in attendance from 1:30 to 4:30 to give information; and from 9 P.M. to 12 P.M. the rooms are open for social purposes, writing and perusal of the journals

with which the association keeps itself supplied. In addition, there is a formal meeting each Saturday at 8 P.M., when dinner is taken and a paper read and discussed. One of the special objects of the association is to make the visits of British and American medical men to Berlin pleasant and informing by putting them promptly in touch with what is going on in medical and surgical circles, and by enabling them to meet on a social footing their colleagues in Berlin. It publishes a year-book, the current issue of which contains, in addition to other notes, information as to courses on various subjects more or less constantly in progress, and also as to vacation and other special courses. The honorary secretary and treasurer of the association is Mr. H. R. Carstens.

THE Smithsonian Institution reports the completion of the fish collecting in the Panama Canal Zone, and the safe return of one of its representatives. Several of the specialists who have been making collections in this region have been back some time, but the members of the party who have been collecting fishes did not complete the work until early in April, remaining three months in the field. This branch of the work has been supported by the cooperation of the U. S. Bureau of Fisheries and the Field Museum of Natural History, Chicago, Mr. S. F. Hildebrand representing the former and Dr. S. E. Meek the latter. After the work was finished, and the collections shipped to Washington, Dr. Meek went on a visit to Costa Rica, while Mr. Hildebrand returned to Washington, where he arrived on April 13. Mr. Hildebrand reports a most successful trip, and feels confident that all the important fishes of the Canal Zone are represented in the collections which fill some 5 or 6 barrels. The weather was favorable and the work was greatly facilitated by the many privileges and courtesies extended by the Canal Commission. Quarters were furnished by the commission, and each member of the survey was supplied with the regular hotel and commissary books, according him the privileges of an employee.

Living under these arrangements, the party was enabled to secure excellent meals at a very low cost. Besides the work in the Canal Zone proper, the members of the survey made trips into the neighboring territory in search of specimens and data not available within the actual bounds of the zone, but obtainable in the same faunal area or an adjoining one. One of these expeditions carried the party into the Darien country and along the banks of the Rio Tuyra, which lies on the Pacific side of the isthmus about 150 miles distant from Panama. The fauna of this country was found to differ considerably from that of the Canal Zone. The fish collectors, unlike those concerned with some other classes of animals, find it impracticable to classify their specimens while in the field, and for this reason it is difficult to say just what has been obtained, other than that a good-sized collection was made, fully as large as that of last year. The fish were caught in nets and traps of several kinds; often in great numbers, the collectors selecting the best and most desired specimens which are at once prepared and packed in tanks for shipment to the National Museum. Among the different kinds of salt-water fishes secured were sharks, tarpon, jew-fish, snappers, groupers and croakers. There were also many of the cat-fishes which are so very abundant on the Pacific slope and along the coast of Panama. The collectors point out the special value of this survey in so far as concerns the fish fauna which will become completely changed and intermixed when the canal is finished, and the waters of the inland lakes and the two oceans become intermingled. As is well known, many salt-water fishes ascend fresh-water streams for long distances, and it is now seen that in this manner many will doubtless find their way to the great Gatun Lake. Some will probably remain here, while others will pass on into the ocean. At present the fish faunas of the Atlantic and Pacific slopes and the two coasts of the zone appear well defined, but it is believed that a subsequent survey, in from five to ten years time, will reveal great changes.

#### UNIVERSITY AND EDUCATIONAL NEWS

THE late Dr. Francis Bacon, a physician of New Haven and connected with the Yale Medical School, has bequeathed \$100,000 to the New Haven County Antituberculosis Society. He has made Yale University his residuary legatee, the bequest to be used as a scholarship fund in the college.

MR. A. W. OPPENHYM, of New York, by his will created a trust fund of \$275,000, which at his widow's death shall go in equal parts to the Mt. Sinai Hospital, the German Hospital and Columbia University. It is provided that the Columbia University fund is to be used for the research into the cause, prevention and cure of cancer.

MR. JOHN TATLOCK, of New York, has given to Columbia University a collection of astronomical works consisting of 261 volumes and about 1,200 pamphlets.

AGRICULTURAL HALL, just built by the University of California at a cost of \$200,000 to house some portion of its teaching and investigating in agriculture, will be completed by commencement, May 15, 1912. This new white granite building, roofed in red mission tile, and picturesquely set on an eminence looking south toward the Dana Street entrance to the campus, is one of the permanent buildings of the Phoebe A. Hearst plan. It is fireproof in construction, with steel frame and concrete floors and roof.

THE bill appropriating two hundred and fifty thousand dollars for the development of work in public health and medicine at the site of the University of Illinois in Urbana-Champaign, failed of passage in the special session of the legislature. Although only four votes were recorded against it; yet owing to the fact that at a special session a two-thirds majority is necessary to pass an appropriation bill, involving in this case thirty-four votes, and at no time were more than thirty-five members present, it made it possible for even two votes to defeat the bill. The trustees will renew their request for an adequate appropriation for scientific work in medicine at the next session of the legislature.