

- 9:30 A.M. Business meeting of the Academy at the National Museum.
- 10:00 A.M. During the business meeting of the Academy, opportunity will be given to guests to visit the scientific bureaus and laboratories of Washington. Automobiles will be provided.
- 2:00 P.M. Excursion to the Home of Washington at Mount Vernon by the U. S. Despatch Boat *Dolphin* (by courtesy of the Secretary of the Navy).
- 8:00 P.M. Dinner at the New Willard Hotel.

SCIENTIFIC NOTES AND NEWS

THE Bruce medal of the Astronomical Society of the Pacific has been awarded to Professor J. C. Kapteyn, of Groningen, for his work on the proper motions of the stars.

It is reported that Professor Czerny, of Heidelberg, will give up next year the direction of the institute for cancer research, which was founded by him.

DEAN RUSSELL H. CHITTENDEN, of the Sheffield Scientific School at Yale, is recovering from the effects of a recent operation, but he will be unable to resume his duties for the remainder of the academic year.

By action of the board of regents of the University of Michigan, the name of the Museum of Natural History has been changed to the Museum of Zoology, and Professor Alexander G. Ruthven has been promoted from the position of head curator to that of director.

DR. ELIZABETH REBECCA LAIRD, Ph.D. (Bryn Mawr, '01), professor of physics at Mount Holyoke College, has been awarded the Sarah Berliner Research Fellowship.

THE Yale corporation has voted to appoint Professors Pirsson, Barrell, Lull, Irving and Schuchert as the university's representatives to the twelfth International Geological Congress, to be held in Canada this coming August.

PROFESSORS A. G. CHRISTIE, R. C. Disque and H. J. Torkelson, of the college of engineering of the University of Wisconsin, will accompany the American Society of Mechanical Engineers on their trip to Europe this summer.

PROFESSOR M. M. METCALF, head of the department of zoology, at Oberlin, has been granted leave of absence for the second semester for travel and scientific research in California. His classes are being continued by Assistant Professors Jones and Buddington.

DR. R. M. ANDERSON has been appointed assistant in the department of mammalogy of the American Museum of Natural History. Dr. Anderson will accompany the Stefánsson expedition to the Arctic as zoologist and second in command.

THE little power schooner *Polar Bear* sailed for Bering Sea, on April 3, with a party who will make a study of animal and bird life in northern waters. In the party are Mr. Dunbar Lockwood, of Boston; Mr. Samuel Mixter, of Boston, representing the Smithsonian Institution; Mr. W. Sprague Brooks, of Milton, Mass., representing the Museum of Comparative Zoology at Harvard, and Dr. Joseph Dixon, of Berkeley, Cal., representing the Museum of Comparative Zoology at the University of California. The cruise will last six months.

ALFRED VIVIAN, professor of agricultural chemistry, Ohio State University, is making a tour of the world, and is now in India. Professor Vivian will deliver a course of lectures on soil fertility at the agricultural school at Allahabad.

SIR WILLIAM OSLER, regius professor of medicine at Oxford University and delegate of the Oxford University Press, will give an illustrated lecture on "The Oxford University Press," at Harvard University, April 29.

THE Weir Mitchell lecture before the College of Physicians of Philadelphia was delivered on Friday evening, April 4, by Dr. H. P. Armsby, director of the Institute of Animal Nutrition of the Pennsylvania State College, on the subject, "Animal Calorimeters and the Study of Nutrition."

ON April 2, Professor W. B. Cannon, of the Harvard Medical School, addressed the Rush Medical Society and the undergraduates of the medical school of the University of Pennsyl-

vania on "Some Recent Studies on the Bodily Effects of Fear and Rage."

DR. H. C. MILLER, professor of physics, Case School of Applied Science, lectured under the auspices of the Ohio State University chapter of the Sigma Xi Society on March 7, on the topic "Photographing and Analyzing of Sound Waves." The lecture was accompanied with illustrations.

DR. RAYMOND PEARL, of the Maine Agricultural Experiment Station, gave a series of three lectures on genetics at the Ontario Agricultural College, Guelph, Canada, on March 25 and 26.

ARTHUR H. BLANCHARD, professor of highway engineering in Columbia University, on March 31, delivered an illustrated lecture on "Highway Engineering in Europe and America" before the Brooklyn Institute of Arts and Sciences.

DR. A. C. EYCLESBYMER, of St. Louis University, lectured on March 30 at the University of Illinois on "Growing Old and Attempts to Prevent It." It was one of a series on public health given by authorities in various branches of medicine.

PROFESSOR GEORGE GRANT MACCURDY, of Yale University, recently completed a lecture tour of two weeks in the middle west, the subject being "Ancient Man, His Environment and His Art." He spoke at the Art Museum, Toledo; at Alma College, Michigan; at the Field Museum of Natural History, Chicago; at the University of Missouri, Columbia, and before the Anthropological Society of Washington; also for the Archeological Institute of America at St. Louis, Kansas City, Topeka, Cedar Rapids and Davenport.

PROFESSOR ROBERT WOODWORTH PRENTISS, who had held the chair of mathematics and astronomy in Rutgers College since 1891, died on April 5 at the age of fifty-six years.

DR. GEORGE MCCLELLAN, a Philadelphia surgeon, known for his researches in anatomy, died on March 29, aged sixty-four years.

DR. ADOLF SLABY, professor of electrotechnics in the Berlin Technical School and the University of Berlin, known to the general

public for his contributions to wireless telegraphy, has died at the age of sixty-four years.

At a meeting of the executive committee of the New York Zoological Society held on February 24, Mr. Niles presented a report with reference to charges against Dr. Charles H. Townsend contained in a report of a majority of the committee of the house of representatives on the expenditures in the Department of Commerce and Labor. After reading and careful consideration of Mr. Niles's report, the executive committee passed the following resolutions:

Resolved, That after a full examination of the proceedings of the House Committee on Expenditures in the Department of Commerce and Labor, and of the report submitted by the minority of the said committee by which it appears that the said committee has never held a single meeting for the purpose of considering the evidence, and that the report made by the chairman was never submitted to the committee for its consideration, and that in the opinion of the minority the report had never been approved by a majority of the committee, that it is the unanimous opinion of the Executive Committee that the honesty and integrity of Dr. Charles H. Townsend have not been impugned in any way; that the recommendations of said Congressional Committee are in no wise justified by the evidence taken by the committee; that the report of the majority of the committee is drawn without any reference to the facts in regard to Dr. Townsend's connection with the matter, and that the attack upon him is unjustifiable, malicious and untruthful, and further

Resolved, That the Executive Committee of the New York Zoological Society does unanimously approve and endorse the report upon the subject prepared by Mr. Niles and the conclusions contained therein.

MADISON GRANT, *Chairman*
SAMUEL THORNE
WM. PIERSON HAMILTON
W. W. NILES
HENRY FAIRFIELD OSBORN
FRANK K. STURGIS
PERCY R. PYNE
LISPENARD STEWART

THE announcement of the twenty-sixth session of the Marine Biological Laboratory, Woods Hole, Mass., has been issued. The im-

portance of the work there accomplished can be seen from the list of the staff, which is as follows:

Investigation in Zoology and Embryology: Gary N. Calkins, professor of protozoology, Columbia University; E. G. Conklin, professor of zoology, Princeton University; Gilman A. Drew, assistant director, Marine Biological Laboratory; George Lefevre, professor of zoology, University of Missouri; Frank R. Lillie, professor of embryology, University of Chicago; T. H. Morgan, professor of experimental zoology, Columbia University; E. B. Wilson, professor of zoology, Columbia University.

Instruction in Zoology: Caswell Grave, associate professor of zoology, Johns Hopkins University; George A. Baitsell, dean and professor of biology, Central College; Raymond Binford, professor of biology, Guilford College; J. K. Breitenbecker, fellow in zoology, University of Chicago; E. J. Lund, Bruce fellow in zoology, Johns Hopkins University; T. S. Painter, graduate student of zoology, Yale University.

Instruction in Embryology: Gilman A. Drew, assistant director, Marine Biological Laboratory; Lorande L. Woodruff, assistant professor of biology, Yale University; A. L. Treadwell, professor of biology, Vassar College; Robert A. Budington, associate professor of zoology, Oberlin College.

Physiology: Albert P. Mathews, professor of physiological chemistry, University of Chicago; R. S. Lillie, assistant professor of experimental biology, University of Pennsylvania; Harold C. Bradley, assistant professor of physiological chemistry, University of Wisconsin.

Botany: George T. Moore, Engelmann professor of botany, Washington University; George R. Lyman, assistant professor of botany, Dartmouth College; B. M. Duggar, professor of plant physiology, Washington University; Ivey F. Lewis, assistant professor of botany, University of Wisconsin; W. J. Robbins, assistant in plant physiology, Cornell University; R. H. Colley, instructor in botany, Dartmouth College; A. R. Davis, Lockland research fellow, Shaw School of Botany.

Philosophical Aspects of Biology: Edward G. Spaulding, assistant professor of philosophy, Princeton University.

THE twenty-fourth session of the Biological Laboratory of the Brooklyn Institute of Arts and Sciences located at Cold Spring Harbor, New York, will be held during six weeks, be-

ginning Wednesday, June 25. Investigators may make arrangements for using the laboratory at other times of the year but board at the laboratory will not be guaranteed before June 23 nor after August 9. The instruction offered this year consists of the following courses: field zoology by Professor Herbert E. Walter, of Brown University, Dr. A. H. Melander, professor of entomology at the University of Washington, and Dr. C. B. Davenport. A course in bird study will be given by Mrs. Alice Hall Walter, and by Dr. C. E. Ehinger, of the Pennsylvania State Normal School. Comparative anatomy, by Professor Henry S. Pratt, of Haverford College, and Dr. David D. Whitney, of Wesleyan University. Animal bionomics and evolution by Dr. Davenport. Cryptogamic botany by Dr. Harlan H. York, of Brown University, and Dr. W. E. Maneval, of Randolph-Macon College. Plant geography and ecology, by Professor John W. Harshberger, of the University of Pennsylvania. Those who wish to carry on investigation at the laboratory are invited to correspond with one of the above-named instructors. As in the preceding three years a training course for field workers in eugenics, strictly limited in attendance, is offered by Dr. Davenport and Mr. H. H. Laughlin. The announcement of the laboratory for the coming summer may be obtained by addressing the director, Dr. C. B. Davenport, Cold Spring Harbor, Long Island, N. Y.

A STATION for instruction and research in biology will be maintained by the University of Michigan, for the fifth season, as a part of its regular summer session, during the eight weeks from July 1 to August 22. The station is located near the Bogardus Engineering Camp of the university on a tract of about 1,666 acres of land owned by the university and stretching from Douglas Lake to Burt Lake in Cheboygan County, Michigan, 17 miles south of the Straits of Mackinac. The instructors will include: Henry Allan Gleason, Ph.D., assistant professor of botany in the University of Michigan, acting director of the Biological Station; Frank Smith, A.M., associate professor of zoology in the Univer-

sity of Illinois, assistant professor of zoology; Max Mapes Ellis, Ph.D., instructor in biology in the University of Colorado, instructor in zoology; Harry Nichols Whitford, Ph.D., instructor in botany, and Paul Smith Welch, A.M., fellow in zoology in the University of Illinois, instructor in entomology.

THE American Museum of Natural History, New York, has adopted a pension plan which went into effect on March 1. It is said to be the first instance in this country of a museum of sciences originating a pension system for the benefit of its employees. The idea was suggested to President Osborn after an investigation of the pension plans in operation in Europe. The plan is a contributory system, three per cent. of the annual salaries being paid to the fund by the employees and a like amount by the corporation. The plan provides: (1) Pensions—Six classes of pensions according to length of service and age, the pensions varying from twenty-five to fifty per cent. of the average salary of the last three years. (2) Health Insurance—Gratuity to the employee in case he is totally disabled through illness, or his position is abolished. (3) Life Insurance—Gratuity to a beneficiary, in the event of the death of the employee, and under certain conditions in the event of the death of a pensioner. (4) For the return of the employee's contribution with simple interest at three per cent. in case the employee leaves the service of the museum before he is eligible for a pension.

THE U. S. Civil Service Commission announces an open competitive examination on May 12 for irrigation managers and assistants to fill vacancies in the position of irrigation manager at salaries ranging from \$1,800 to \$2,500 a year, and vacancies in the position of assistant manager at salaries ranging from \$1,500 to \$2,000 a year, in the Reclamation Service, the salaries being dependent upon the size of the project and individual qualifications.

A LONG summer trip is being planned for advanced geological students in Sheffield Scientific School of Yale University who are

ready to complete their field work in geological surveying. For the past two summers, this work has been carried on in the region about Natural Bridge, Virginia; this year the field course, which will cover the six weeks from June 25 to August 6, will be carried on in the Spearfish Quadrangle, near Deadwood, South Dakota, in the heart of the Black Hills.

A CABLEGRAM to the New York *Times* states that the Atlantic transport steamship *Minneapolis* is carrying to America a consignment of about 600 British song birds for the great aviary in Michigan owned by Mr. Henry Ford, the automobile manufacturer. The aviary consists of about ten acres of land inclosed and covered with netting and is said to be the largest in the world. The consignment includes 120 larks, 120 linnets, 70 chaffinches, 100 greenfinches, 20 yellowhammers, 12 bullfinches, 40 blackbirds and 12 jays.

UNIVERSITY AND EDUCATIONAL NEWS

THE legislature of Kansas has appropriated \$1,226,000 for the University of Kansas for the next biennium. The legislature refused all requests for new buildings except one for the medical school at Rosedale. The appropriation for maintenance is about \$200,000 more than has been granted for any previous biennium for that purpose.

THE total appropriations for special purposes of the Ohio State University carried by the appropriation measure now before the legislature, amount to \$371,730. Two new buildings are provided for and half of the necessary cost appropriated, the balance to be appropriated next year. These buildings will be for the departments of zoology and botany, and the departments of horticulture and forestry. In addition to the special appropriations, the state levy will provide \$400,000 for the general expenses of the university.

AN endowment fund of \$1,000,000 has been subscribed for Goucher College, Baltimore.

HARVARD UNIVERSITY has received from the estate of Mrs. Sarah A. Matchett, \$150,000 on account of her bequest, to be held as a special