

tricity with Professors Nichols and Shearer, of Cornell, and with Professor Esterline, of Purdue, and he had published a number of papers on electrical subjects. He was a member of the honor fraternity, Sigma Xi.

THE SMITHSONIAN INSTITUTION

A REGULAR meeting of the board of regents of the Smithsonian Institution was held on December 3, 1907, at ten o'clock, at the institution, the chancellor, Chief Justice Fuller, presiding, and the following regents being present: Vice-president Charles W. Fairbanks, Senator Shelby M. Cullom, Senator Henry Cabot Lodge, Senator Augustus O. Bacon, Representative John Dalzell, Representative James R. Mann, Representative William M. Howard, Dr. Andrew D. White, the Hon. John B. Henderson, and the secretary of the institution, Dr. Charles D. Walcott.

The secretary presented his report for the year ending June 30, 1907, to the board, which was accepted. Statements were received from the executive and permanent committees. The secretary presented a statement of the affairs of the institution since the close of the fiscal year. Considerable attention was given to the National Gallery of Art, and a resolution was adopted urging congress to make an appropriation for adapting the large hall of the Smithsonian building to the purposes of a gallery of art. A resolution was also adopted tendering the thanks of the regents to William T. Evans for the gift of his valuable collections of paintings by American artists, and to the trustees of the Corcoran Gallery of Art for their courtesy in providing temporarily for the exhibition of this collection.

THE AMERICAN FEDERATION OF TEACHERS OF THE MATHEMATICAL AND THE NATURAL SCIENCES

THE second annual meeting of the American Federation of Teachers of the Mathematical and the Natural Sciences will be held in Chicago on January 1, 1908, at 2 P.M., in room 20 of the Kent Chemical Laboratory, University of Chicago. The purpose of the federation is a more unified and concentrated

effort on the part of its members to better the teaching of mathematics and of the natural sciences. The membership of the federation consists entirely of associations, each member being represented by delegates at the meetings. At the last meeting, a tentative organization was formed by the following associations: The Association of Teachers of Mathematics of the Middle States and Maryland; The New York State Science Teachers Association; The Central Association of Science and Mathematics Teachers; The Association of Teachers of Mathematics of New England; The Physics Teachers Association of Washington City; The Missouri Society of Teachers of Mathematics and Science; The New Jersey State Science Teachers Association.

Since the last meeting, the following associations have signified their intention of being represented at the coming meeting in Chicago: The Michigan Schoolmasters Club; The New England Association of Chemistry Teachers; The New York Physics Club; The Indiana Association of Science and Mathematics Teachers; The Association of Ohio Teachers of Mathematics and Science. At this meeting on January 1, the final form of the organization will be decided. All organizations whose leading purpose is the betterment of the teaching either of mathematics or of the natural sciences are invited to send delegates to this meeting and thus to take part in the organization of the federation. By joining this body, an association will lose in no way its individuality or its right to work in its own field in its own way; but it will gain an official means of keeping in touch with the work of the other associations, and will receive from the federation suggestions as to the ways in which all the associations may work together on their common problems.

C. R. MANN,

Secretary

UNIVERSITY OF CHICAGO

THE CONVOCATION WEEK MEETINGS OF SCIENTIFIC SOCIETIES

THE American Association for the Advancement of Science and the national scientific societies named below will meet at the Uni-

versity of Chicago during convocation week, beginning on December 30, 1906.

American Association for the Advancement of Science.—December 30–January 4. Retiring president, Professor W. H. Welch, The Johns Hopkins University, Baltimore, Md.; president-elect, Professor E. L. Nichols, Cornell University, Ithaca, N. Y.; permanent secretary, Dr. L. O. Howard, Cosmos Club, Washington, D. C.; general secretary, President F. W. McNair, Houghton, Mich.

Local Executive Committee.—Charles L. Hutchinson, chairman local committee; John M. Coulter, chairman executive committee; John R. Angell, Thomas C. Chamberlin, Joseph P. Iddings, Frank R. Lillie, Charles R. Mann, Robert A. Millikan, Charles F. Millsbaugh, Alexander Smith, J. Paul Goode, local secretary.

Section A, Mathematics and Astronomy.—Vice-president, Professor E. O. Lovett, Princeton University; secretary, Professor G. A. Miller, University of Illinois, Urbana, Illinois.

Section B, Physics.—Vice-president, Professor Dayton C. Miller, Case School of Applied Science; secretary, Professor A. D. Cole, Vassar College, Poughkeepsie, N. Y.

Section C, Chemistry.—Vice-president, Professor H. P. Talbot, Massachusetts Institute of Technology; secretary, Professor Charles L. Parsons, New Hampshire College, Durham, N. H.

Section D, Mechanical Science and Engineering.—Vice-president, Professor Olin H. Landreth, Union College; secretary, Professor Wm. T. Magruder, Ohio State University, Columbus, Ohio.

Section E, Geology and Geography.—Vice-president, Professor J. P. Iddings, University of Chicago; secretary, Dr. Edmund O. Hovey, American Museum of Natural History, New York City.

Section F, Zoology.—Vice-president, Professor E. B. Wilson, Columbia University; secretary, Professor C. Judson Herrick, University of Chicago.

Section G, Botany.—Vice-president, Professor C. E. Bessey, University of Nebraska; secretary, Professor F. E. Lloyd, Desert Botanical Laboratory, Tucson, Arizona.

Section H, Anthropology.—Vice-president, Professor Franz Boas, Columbia University; secretary, George H. Pepper, American Museum of Natural History, New York City.

Section I, Social and Economic Science.—Vice-president, Dr. John Franklin Crowell, New York City; secretary, Professor J. P. Norton, Yale University, New Haven, Conn.

Section K, Physiology and Experimental Medi-

cine.—Vice-president, Dr. Ludvig Hektoen, University of Chicago; secretary, Dr. Wm. J. Gies, College of Physicians and Surgeons, Columbia University, New York City.

Section L, Education.—Vice-president, Hon. Elmer E. Brown, U. S. Commissioner of Education; acting secretary, Professor Edward L. Thorndike, Teachers College, Columbia University, New York City.

The American Society of Naturalists.—December 28. President, Professor J. Playfair McMurrich, University of Toronto; secretary, Professor E. L. Thorndike, Teachers College, Columbia University, New York City. Central Branch, president, Professor R. A. Harper, University of Wisconsin; secretary, Professor Thomas G. Lee, University of Minnesota, Minneapolis, Minn.

The American Mathematical Society. Chicago Section, December 30, 31. Chairman, Professor Edward B. Van Vleck; secretary Herbert E. Slaught, 58th St., and Ellis Ave., Chicago, Ill.

The American Physical Society.—President, Professor E. L. Nichols, Cornell University; secretary, Professor Ernest Merritt, Cornell University, Ithaca, N. Y.

The American Chemical Society.—December 27–January 2. President, Professor Marston T. Bogert, Columbia University; secretary, Professor Charles L. Parsons, New Hampshire College, Durham, N. H.

The Association of American Geographers.—December 31–January 1. Acting-president, Professor R. S. Tarr, Cornell University, to whom correspondence should be addressed; secretary, Albert P. Brigham, 123 Pall Mall, London, Eng.

The Association of Economic Entomologists.—December 27, 28. President, Professor H. A. Morgan, Knoxville, Tenn.; secretary, A. F. Burgess, Columbus, Ohio.

The American Society of Biological Chemists.—December 30–January 2. President, Professor Russell H. Chittenden, Yale University; secretary, Professor William J. Gies, College of Physicians and Surgeons, Columbia University, New York City.

The Society of American Bacteriologists.—December 31–January 2. Vice-president, F. D. Chester, Delaware Agricultural College, Newark, Del.; secretary, Professor S. C. Prescott, Massachusetts Institute of Technology.

The American Physiological Society.—Beginning December 31. President, Professor W. H. Howell, Johns Hopkins University; secretary,

Professor Lafayette B. Mendel, 18 Trumbull St., New Haven, Conn.

The Association of American Anatomists.—January 1-3. President, Professor Franklin P. Mall; secretary, Professor G. Carl Huber, 1330 Hill St., Ann Arbor, Mich.

The American Society of Zoologists.—Central Branch. Secretary, Professor Thomas G. Lee, University of Minnesota, Minneapolis, Minn.

The Botanical Society of America.—December 27-29. President, Professor George F. Atkinson, Cornell University; secretary, Dr. D. S. Johnson, Johns Hopkins University.

The Botanists of the Central States.—Business Meeting. President, Professor T. H. Macbride, University of Iowa; secretary, Professor H. C. Cowles, University of Chicago, Chicago, Ill.

The American Psychological Association.—December 27, 28. President, Dr. Henry Rutgers Marshall, New York City; acting secretary, Professor R. S. Woodworth, Columbia University, New York City.

The Western Philosophical Association.—Secretary, Dr. John E. Bowdoin, University of Kansas, Lawrence, Kans.

The American Anthropological Association.—December 30, January 4. President, Professor Franz Boas, Columbia University; secretary, Dr. Geo. Grant MacCurdy, Yale University, New Haven, Conn.

The American Folk-lore Society.—December 30-January 4. President, Professor Roland B. Dixon, Harvard University; secretary, Dr. Alfred M. Tozzer, Harvard University, Cambridge, Mass.

Other national societies will meet as follows:

NEW HAVEN

The American Society of Zoologists.—Eastern Branch. December 26, 28. President, Dr. C. B. Davenport, Cold Spring Harbor, N. Y.; secretary, Professor W. L. Coe, Yale University, New Haven, Conn.

The American Society of Vertebrate Paleontologists.—December 26-28. President, Professor Bashford Dean, Columbia University; secretary, Professor Frederick B. Loomis, Amherst College, Amherst, Mass.

NEW YORK

The American Mathematical Society.—December 27, 28. President, Professor H. S. White, Vassar College; secretary, Professor F. N. Cole, Columbia University.

ALBUQUERQUE, N. M.

The Geological Society of America.—December 30-January 4. President, President Charles R. Van Hise, University of Wisconsin; secretary, Dr. Edmund O. Hovey, American Museum of Natural History, New York City.

ITHACA

The American Philosophical Association.—December 26, 28. President, Professor H. N. Gardiner, Smith College; secretary, Professor Frank Thilly, Cornell University, Ithaca, N. Y.

NEXT SUMMER, AT SOME PLACE TO BE DETERMINED

The Astronomical and Astrophysical Society of America.—President, Professor Edward C. Pickering, Harvard College Observatory; secretary, Professor Geo. C. Comstock, Washburn Observatory, Madison, Wisconsin.

SCIENTIFIC NOTES AND NEWS

MR. ANDREW CARNEGIE has added two million dollars to the endowment of the Carnegie Institution of Washington. Mr. A. J. Montague of Virginia and Mr. W. B. Parsons of New York have been elected trustees of the institution.

NOBEL prizes have been awarded as follows: In physics to Professor A. A. Michelson of the University of Chicago; in chemistry to Professor Eduard Buchner of the Berlin Agricultural School; in medicine to M. Laveran of Paris; in literature to Mr. Rudyard Kipling, and for the promotion of peace to M. Renault and M. Moneta.

MR. ALEXANDER AGASSIZ and Professor Adolf von Baeyer have been elected honorary members of the Vienna Academy of Sciences.

MISS FLORENCE NIGHTINGALE, now in her eighty-eighth year, has been decorated by King Edward with the Order of Merit.

PROFESSOR E. B. TITCHENER, of Cornell University, has been appointed non-resident lecturer on psychology at Columbia University for the academic year 1907-08.

At the sixtieth anniversary meeting of the New York Academy of Medicine on November 29, Col. W. C. Gorgas, chief sanitary officer of the Isthmian Canal Commission, de-