

closer accuracy, just what deviation from ideal truth any great set of historical records contains.

Such researches give promise of at last furnishing the long-sought correct method of penetrating the tangled and perplexing jungle known as philosophy of history. This domain of thought is to-day in poor esteem among those who, as historians of the modern school, seek in documentary sources to reconstruct the past around some central theme, some individual age or nation. No wonder these careful investigators have become disgusted with the *a priori* dogmatism, the partizan spirit, the free generalizations from half truths and the eternally conflicting conclusions. Historical philosophers, in their desire to explain everything at once, have been content to formulate theories and then pick from the totality of history, selected facts to support them. With methods highly subjective, and carrying a large personal equation they could not help but find exactly what they wished. The ways of inductive science may be slow at first, but even a small nucleus of collected and coordinated facts soon grows with astonishing rapidity; and every objectively established piece of work makes it, with accelerated speed that much easier to progress along lines of certainty and exactitude.

FREDERICK ADAMS WOODS
MASSACHUSETTS INSTITUTE
OF TECHNOLOGY

SCIENTIFIC NOTES AND NEWS

LORD CURZON will succeed Major Leonard Darwin as president of the Royal Geographical Society.

THE Bessemer gold medal of the Iron and Steel Institute, London, will, this year, be awarded to Professor Henri Le Chatelier, the French metallurgist. The Andrew Carnegie gold medal for 1910 will be awarded to M. Félix Robin, of Paris.

A COMPLIMENTARY dinner was given on March 29 by former students of King's College Hospital to Sir David Ferrier, M.D., F.R.S., to congratulate him on receiving the honor of knighthood.

DR. LUCIUS L. HUBBARD has been appointed regent of the University of Michigan. He has been instructor in mineralogy at the State Mining School at Houghton, Mich., and was state geologist from 1893 to 1899.

MR. GEORGE HENRY LIVENS, B.A., has been elected to a fellowship at Jesus College, Cambridge. His subject is mathematics.

DR. EDNA CARTER, instructor in physics at Vassar College, has been awarded the Sarah Berliner research fellowship for women. She will continue her work in physics at Cambridge under Professor J. J. Thomson, and in the laboratory of Professor Wein, of Würzburg, where she received her doctorate.

THE annual awards of the Royal Geographical Society are announced as follows: The two royal medals have been awarded, the Founder's to Colonel P. K. Kozloff, and the Patron's to Dr. J. Charcot. The Victoria Research Medal has been given to Captain H. G. Lyons, the Murchison Bequest to Dr. Wilfred Grenfell, the Gill Memorial to Captain G. E. Leachman (Royal Sussex Regiment), the Back Bequest to Dr. Arthur Neve, and the Cuthbert Peek Fund to Mr. R. L. Reid.

DR. H. F. MOORE, of the U. S. Bureau of Fisheries, has sailed for Rome where he will represent the Bureau at the fifth International Fishery Congress to be held May 26-31. Before returning he will visit the coast of Algiers for an examination of the sponge fisheries.

AN expedition under Mr. Homer B. Dill, of the State University of Iowa, has left San Francisco for Laysan Islands in order to study the bird life and bring back specimens for an extensive group to be placed in the museum.

PROFESSOR F. E. LLOYD, of the Alabama Polytechnic Institute, is planning a trip into the Arizona Desert this summer, in order to continue his botanical researches in desert plant life.

ACCORDING to the *Bulletin* of the American Mathematical Society, Professors E. R. Hedrick, of the University of Missouri, and J. I. Hutchinson, of Cornell University, have been

granted leave of absence during the second half of the present academic year; they will spend most of their time in Paris. Professors E. J. Wilczynski, of the University of Chicago, and C. L. Bouton and J. L. Love, of Harvard University, are also spending the present half-year abroad on leaves of absence.

PROFESSOR HAROLD B. SMITH, director of the department of electrical engineering at the Worcester Polytechnic Institute, lectured before the Cornell branch of the American Institute of Electrical Engineers on March 31. His subject was "Some Engineering Developments of the Electric Field of Force."

ON April 5, 1911, the University of Pennsylvania Chapter of the Society of the Sigma Xi initiated sixty-eight new members. Thirty-three of them are alumni of the university who graduated before the organization of the chapter and have since attained prominence in scientific work. Eleven are members of the faculty and twenty-four are undergraduates. The address to the initiates on "The Two Fields of Activity of the Learned Professions," was made by Professor I. J. Schwatt, president of the chapter, and the society was addressed by Professor Allen J. Smith, dean of the medical department, on the subject, "Schools of Applied Science in Relation to the Graduate School."

MR. HENRY A. PURDIE, of Boston, one of the founders of the American Ornithologists' Union and long identified with the ornithology and botany of New England, died at the Massachusetts General Hospital on March 29 and was buried at Mt. Auburn Cemetery, Cambridge, April 1.

MR. BERNARD AMEND, president of the firm of Eimer & Amend, and a former student of von Liebig, died in New York City on April 6, at the age of ninety years.

ALPHONSE LOUIS PIUART, a French traveler and philologist, died at Boulogne (Seine) on February 13, at the age of fifty-nine years.

THE biological laboratory of the United States Bureau of Fisheries at Woods Hole, Mass., will open early in the coming June, for the twenty-seventh season since its establish-

ment in the present quarters. A limited number of research rooms and tables will, as usual, be placed at the disposal of those qualified to conduct investigations in the various branches of marine biology. Applications should be sent at an early date either to the commissioner of fisheries, Washington, D. C., or to the director of the laboratory, Woods Hole, Mass.

THE twentieth session of the Marine Biological Laboratory of Stanford University will begin Wednesday, May 31, 1911. The regular course of instruction will continue six weeks, closing July 11. Investigators and students working without instruction may make arrangements to continue their work through the summer. The laboratory will be under the general supervision of Professor F. M. McFarland, instructor in charge.

THE Society of College Teachers of Education has entered into an agreement with the University Press of Chicago whereby the editorial management of the *School Review* will henceforth be under the control of an editorial committee elected by the society. This editorial committee consists of Professor M. V. O'Shea, president of the society and chairman of the department of education, of the University of Wisconsin; Professor E. O. Holland, secretary of the society and professor of education in the University of Indiana; Professor William C. Bagley, director of the school of education, University of Illinois; Professor Frederick E. Bolton, director of the school of education, University of Iowa, and Professor Paul H. Hanus, head of the department of education, Harvard University. To this editorial committee representing the Society of College Teachers of Education has been added Professor Willard C. Gore, Professor Frank N. Freeman and Professor Franklin W. Johnson, all of the faculty of the school of education of the University of Chicago. Professor Gore has been elected by the committee managing editor of the *Review*. As a result of this agreement, the *School Review* will become the organ of the Society of College Teachers of Education. It is

planned to make it of service to all who are concerned in any way with secondary education in this country. It has been decided also to publish in connection with the *Review* a series of supplementary monographs dealing in a detailed and scientific way with problems of secondary education.

IN the examination for resident engineer, Department of the New York State Engineer, the time for receiving applications has been extended to April 20, 1911, and the requirements for admission amended as given below. Resident engineer, Department of State Engineer and Surveyor, salary \$2,400 to \$3,000. Applicants must have at least five years' practical experience in civil engineering, three years of which must have been in responsible charge of work. Graduation from an engineering school of recognized standing will be accepted in lieu of one year of the five years' experience demanded. While candidates will not be assembled for a written examination, they may be summoned for an interview with the examiners. Subjects of examination and relative weights: Experience, education and personal qualifications, to be rated upon the candidates' detailed statements and upon answers to inquiries which the commission may direct to previous employers and others acquainted with their experience and qualifications and upon the oral examination, 1; two theses—a report upon some work of importance carried out under the charge of the candidate, and a discussion of some assigned topic relating to the problems to be handled in the construction of the barge canal, 1. The theses are to be written and submitted by the candidate in accordance with instructions to be issued by the commission, of which due notice will be sent to those who file applications. Non-residents will be admitted, subject to the provisions of civil service regulation X., that in case the eligible list contains the names of three or more citizen residents of New York state, they shall be preferred in certification over non-residents.

THE summer field session for 1911 of the School of American Archeology of the

Archeological Institute of America, will be held at El Rito de los Frijoles, near Santa Fé, New Mexico. Facilities will be given students to observe or to participate in the excavations, begun in 1908, and now in progress at Tyuonyi, near-by talus pueblos and cliff-dwellings. Excursions will be made to facilitate a study of botanical and other environmental conditions of the tribes dwelling in the vicinity. During August, lectures will be given on the distribution and culture of the tribes in the southwestern section of the United States; on the evolution of design as shown in ancient Pueblo art; on the native languages, and methods of recording them. A course will be given by Dr. Lewis B. Paton, formerly director of the American School in Jerusalem of the Archeological Institute of America, on "The Ancient Semites" to afford an opportunity of a comparative study of cultures developed in semi-arid regions in the eastern and in the western continents. Other lectures for comparative studies are being arranged for. The object of the annual summer field session of the School of American Archeology is to bring together persons interested in the study of anthropology, for first-hand investigation and discussion, and to give students the opportunity for field work needed to supplement university instruction. The attention of teachers and students engaged in the scientific study of education is also called to the advantages of this work. At the close of the session opportunity will be given to visit the pueblos of Taos and Acoma, and the government excavations among the cliff-dwellings in the Mesa Verde National Park, Colorado. For details of the summer session, address *Director of the School of American Archeology*, Santa Fé, New Mexico.

THE sundry civil bill passed March 4, 1911, by the late congress provided for a reorganization and expansion of the Alaskan interests of the U. S. Bureau of Fisheries. A new division of the bureau is created, the Alaska Fisheries Service, to hold the affairs of the fur-seal, salmon and other fisheries, and of the fur-bearing animals. The latter field is an entirely new extension of federal super-

vision, under the act of April 21, 1910, vesting control in the hands of the secretary of commerce and labor. The fur-seal and salmon fisheries have been for years under federal control, and are now taken out of the division of scientific inquiry, unifying under one head the whole Alaskan service. The new division has a total personnel of 25 persons and an annual salary appropriation of \$41,530. Of the personnel, eleven positions are new ones and consist of the chief, an assistant chief, three clerks, one assistant salmon agent, one warden and four deputy wardens. The increases apply mainly to the fur-bearing animals and the salmon fisheries, the fur-seal service having received in the year preceding additions to its personnel, made necessary by the expiration of the lease of the Pribilofs and the taking over by the government of the entire business of taking and selling seal-skins. The chief of the Alaska Fisheries Service will be Dr. Barton W. Evermann, for eight years chief of the Division of Scientific Inquiry. Dr. H. F. Moore, for eight years principal scientific assistant in the Division of Scientific Inquiry, succeeds Dr. Evermann as chief of that division. Mr. M. C. Marsh remains as chief Alaska salmon agent and Mr. Walter I. Lembkey as chief fur-seal agent.

UNIVERSITY AND EDUCATIONAL NEWS

THROOP POLYTECHNIC INSTITUTE, Pasadena, Cal., has received for endowment four gifts aggregating a quarter of a million dollars. The largest is \$150,000, there is one of \$50,000, and there are two of \$25,000 each. The income becomes available after July 1, 1911.

MR. JAMES A. PATTEN has added \$50,000 to the \$200,000 which he had given to the Northwestern Medical School for the study of tuberculosis.

A BUREAU of research in municipal government is to be established at Harvard University, to be maintained by a gift of \$2,500 a year for ten years offered by Mr. Frank Graham Thomson, of the class of 1897, and Mr. Clarke Thomson, of the class of 1899, both of Philadelphia, Pa. Professor W. B.

Munro is to direct the work of the bureau. In connection with this bureau material bearing on national and state government is to be collected, the work to be maintained by an anonymous gift of \$1,000 a year for five years; Dr. Arthur N. Holcombe, instructor in government, is to be in charge.

MISS MARY ANNE EWART has bequeathed £20,000 to Newnham College, Cambridge, for scholarships for women students and £10,000 to Somerville College, Oxford, for like purposes.

NORTHWESTERN UNIVERSITY has arranged an architectural competition for the development of the university campus. It is proposed to erect at once dormitories costing \$150,000 and in the near future an academic building costing about \$180,000.

THE upper wall of the west tower of the William Rainey Harper Memorial Library, in course of construction at the University of Chicago, has fallen, demolishing the interior of the tower from top to bottom. The loss, which falls on the contractors, is estimated at \$50,000.

PLANS for the first summer session of the Johns Hopkins University have been announced. Work will begin on July 5 and will last six weeks.

THE Nebraska legislature, reversing a previous vote, has permitted the University of Nebraska to apply for admission to the benefits of the Carnegie Foundation.

BOWDOIN COLLEGE proposes to adopt a plan for admission to college similar to that of Harvard. Students are required to present a record of their school studies and to pass an examination in four subjects only.

DR. L. H. MURLIN, president of Baker University, has accepted the presidency of Boston University.

MR. WILLIAM J. DUPPERT, of the United States Forestry Service, has been appointed instructor in forestry at the University of Nebraska to take part of the work of the late Professor Frank J. Phillips.