

ical factors of the deficiency, and the physical examination of the subjects.

While the report is very instructive on many individual features, it admits of few general conclusions other than that we need much more extended investigations than have heretofore been prosecuted, in order to reach positive opinions as to the causation and the status of the feeble-minded; and this is Dr. Hrdlicka's own decision (p. 95).

D. G. BRINTON.

UNIVERSITY OF PENNSYLVANIA.

SCIENTIFIC NOTES AND NEWS.

M. VAN TIEGHEM, the eminent botanist, succeeds M. Wolf as President of the Paris Academy of Science, while M. Lévy has been elected Vice-President.

At its meeting on January 11th the American Academy of Arts and Sciences elected Charles Doolittle Walcott, of Washington, an Associate Fellow in place of the late Professor James Hall, and Oliver Heaviside, of Newton Abbot, England, a Foreign Honorary Member.

It is proposed to erect a monument in memory of Fèlix Tisserand, Member of the Institute of France, and of the Bureau of Longitude, and Director of the Observatory of Paris, at Nuits Saint-Georges (Côte-d'Or), his native place. Subscriptions will be received at Nuits-Saint-Georges, by M. Desmazures, Receveur Municipal; at the Observatory of Paris, by M. Fraissinet, and at Dijon, by M. Ragot (rue Colson).

SURGEON-GENERAL STERNBERG is at present in Cuba inspecting the hospitals and arranging for a new yellow fever hospital and a depot for medical supplies in Havana.

THE Permanent Secretary of the American Association for the Advancement of Science, Dr. L. O. Howard, would be glad to learn of the address of José de Riviera, who was elected a life member of the Association at the Boston meeting of 1880.

THE Chemical Society of Washington, at the annual meeting held on Thursday, January 12, 1899, elected the following officers for the ensuing year: President, Dr. H. N. Stokes; Vice-Presidents, Dr. P. Fireman, Dr. H. C. Bolton; Secretary, Mr. William H. Krug;

Treasurer, Mr. W. P. Cutter; Executive Committee, the above officers and Dr. C. E. Munroe, Dr. E. A. de Schweinitz, Mr. Wirt Tassin and Dr. F. W. Hillebrand, *ex-officio*.

PROFESSORS VON KUPFER, of Munich; F. Klein, of Göttingen, and E. Fischer, of Berlin, have been made members of the Bavarian Maximilian Order of Science and Art.

PROFESSOR M. E. COOLEY, of the engineering department of the University of Michigan, who has been Chief Engineer on the United States auxiliary steamer Yosemite since the outbreak of the Spanish-American war, will return to the University in time to begin work with the second semester. He was detached from the Yosemite December 23d, since which date he has been doing temporary work at the League Island Navy Yard. He expects to be relieved from duty by the first of next month.

MR. WM. T. HORNADAY, Director of the New York Zoological Park, has been elected a corresponding member of the London Zoological Society.

Nature states that Mr. Frederick G. Jackson, the leader of the Jackson-Harmsworth expedition, has been presented with a first class of the Royal Order of St. Olaf by King Oscar of Sweden and Norway.

THE Paris Academy of Sciences has nominated for the chair of chemistry in the Conservatoire des Arts et Métiers as first choice M. Florent, and as second choice M. Joannis.

MR. JOHN BARROW, F.R.S., the author of works on travel and physiography, has died at the advanced age of 91 years.

PROFESSOR JOSEPH BALDWIN, who held the chair of pedagogy in the University of Texas, died on January 14th, aged 70 years.

At the annual meeting of the Indiana Academy of Science held at Indianapolis during Christmas week, Mr. W. W. Woollen announced that he had set aside forty-four acres of land situated nine miles from the center of Indianapolis, for a garden of birds and botany. He proposes to develop the garden and present it to the city of Indianapolis, to be placed under the control of the Superintendent of Schools, the President of Butler College, and the President

of the Academy of Science, for the use of the bodies represented by them.

THE Association for maintaining the American women's table at the zoological station at Naples announces that it is prepared to receive applications for use of the table, which should be addressed to the Secretary, Miss Ida H. Hyde, 1 Berkeley St., Cambridge. The Executive Board has at its disposal a small fund for the aid of scholars of the Association who may need assistance to meet the expenses of travel and of residence in Naples. The first two scholars of the Association were Professor Mary Alice Wilcox, of Wellesley College, and Miss Florence Peebles, European Fellow of Bryn Mawr College.

THE late Baron Ferdinand Rothschild has bequeathed to the British Museum art collections valued at \$1,500,000.

THE French Society for the encouragement of national industry has been presented with a sum of 20,000 fr. by M. Gilbert.

JUDGE JOHN HANDLEY, of Scranton, Pa., left \$250,000 for a public library at Winchester, Va., and made the city his residuary legatee. It has been decided in the Courts that the latter bequest is valid, and the city will receive about \$250,000 additional to the public library.

MR. ANDREW CARNEGIE has offered to give \$250,000 for the construction of a building for the Washington Public Library if Congress will furnish a suitable site and provide for the maintenance of the library.

THE Imperial Academy of Military Medicine, St. Petersburg, celebrated on December 30th the centenary of its foundation, in the presence of official delegates from Germany, France and other nations. The Director of the Academy, Professor Ponchatine, made an address, giving a brief history of the institution and an account of the work that it had accomplished.

THE Proceedings of the second annual meeting of the Association of Experiment Station Veterinarians, held at Omaha, Neb., September 8, 1898, have recently been published by the U. S. Department of Agriculture (Bureau of Animal Industry, Bul. No. 22). Among the papers are those on 'Growing Tubercle Bacilli for Tuberculin,' by C. A. Cary; 'Feeding Wild

Plants to Sheep,' by S. B. Nelson, and 'Laboratory Records for Veterinarians,' by A. W. Bitting.

THE meeting of teachers of chemistry held at the University of Michigan on December 27 and 28, 1898, proved to be of great interest. A considerable number of high schools in Michigan were represented in the meeting. Among the institutions sending teachers were the University of Wisconsin; Lake Forest University; Chicago University; Notre Dame, Ind.; Ohio State University; Kenyon College, Ohio; Otterbein University, Ohio; Olivet College, and Lewis Institute, Chicago. There were also reports and papers from the University of Chicago. The discussions were limited to the subjects and methods of teaching chemistry in high schools and colleges.

AN International Conference on Child Study will be held in Buda-Pesth next September.

It is reported from Sydney that the private yacht Lady St. Aubyn has discovered some relics of the French navigator La Pérouse at Vanikoro Islands. The objects found include flint-lock muskets and Spanish and French coins.

THE Russian Imperial Geographical Society announces that neither the expedition of Stradling nor of Brede has been able to find in Siberia traces of Andrée. In the meanwhile an expedition has been organized at Copenhagen, under the direction of Dr. Daniel Brunn, to search for traces of Andrée in eastern Greenland.

THE Division of Statistics of the U. S. Department of Agriculture reports that the acreage devoted to cotton in the United States in 1897 was 24,319,584, an increase of 1,046,375 over that for 1896. The number of bales produced was in 1897 10,897,857, an increase of 2,365,152 bales. There was an increase in almost every State, being especially noticeable in Arkansas and Indian Territory. The investigation of the amount of cotton purchased by mills located in the cotton-growing States shows that 1,277,674 bales were taken from the current crop. This is 295,683 bales, or 30.1 per cent. more than was purchased by these mills in 1896-97. Without an exception every State

shows increased purchases, the per cent. of increase ranging from 7.7 in Louisiana to 65.2 in Missouri. In the States of greatest consumption the increase is especially marked, that in Alabama being 41.9, in Georgia 25.2, North Carolina 36.6, and South Carolina 33.8 per cent. During the year there were 425 mills in operation, as compared with 402 in 1896-97.

THE Board of Health of New York City has obtained a conviction in the Courts for violating the law forbidding the burning of soft coal, a fine of \$25.00 being imposed.

A CORRESPONDENT writes to the *London Times*: "As it is just 100 years since Pestalozzi began at Stanz, on the Lake of Lucerne, the work among the orphan children which so deeply influenced the aims and methods of elementary education in German-speaking Europe and indirectly in Great Britain and America, it is intended to celebrate the centenary by a public meeting, which will be held, by permission of the Council, in the large hall of the College of Preceptors, Bloomsbury-square, on Wednesday, January 4th, at 8 p. m. Though many of Pestalozzi's hopes have been unfulfilled and modern psychology is far from confirming some of his attempted generalizations, his labors at Stanz will always form one of the most inspiring chapters in educational history. His work there emphasized the fact that religious influences are essential to all education which aims at strengthening the will and at elevating character, and that no educational instrument is so powerful as the self-devotion of the teacher. Sir Joshua Fitch will preside at the meeting, at which short addresses will be given by Professor Wilhelm Rein, of the University of Jena; Lady Isabel Margesson; Miss Herford (Manchester), and Messrs. A. Sonnenschein, R. L. Morant, E. Cooke and others."

UNIVERSITY AND EDUCATIONAL NEWS.

THE sum of £115,000 has been subscribed towards establishing a university at Birmingham.

THE late Henry Clark Warren, of Boston, an accomplished Oriental scholar, has left to Harvard University a large sum principally for the Sanscrit department, but including \$10,000 for the Peabody Museum of American archæology

and ethnology and \$10,000 for the Dental School. The Sanscrit department is to have \$15,000 for the endowment of the Harvard Oriental Series, and the balance, which is said to be large, is to be used for the benefit of the department.

HARVARD UNIVERSITY receives \$5,000 by the will of the late Susan B. Lyman, Dedham, Mass., and \$10,000 by the will of the late Mrs. Mary Ann P. Weld, of Boston, the latter sum being for the purpose of founding a Christopher Minot Weld Scholarship, which is to be awarded each year to some worthy student.

THE Teachers College of Columbia University has received an anonymous gift of \$10,000.

COLUMBIA UNIVERSITY has established sixty-three benefactors' scholarships and twenty-two faculty scholarships, in order to place the remission of tuition fees hitherto made on a more permanent basis.

THE appropriation of the State for the University of Georgia has this year been reduced by \$14,000. The appropriation for the schools has also been greatly reduced.

WE have received the calendar of the Tokyo Imperial University for 1897-98, which is printed in English. There were 2,239 students in the University, distributed as follows: University, 177; the College of Law, 744; College of Medicine, 313; College of Engineering, 386; College of Literature, 279; College of Science, 105; College of Agriculture, 235. There are 90 professors and 41 assistant professors. The library now contains about 223,000 volumes. The *Journal* of the College of Science, established in 1887 and now in its tenth volume, has published many important contributions, which are written in English or in German.

AT Harvard University, Dr. R. W. Willson has been appointed assistant professor of astronomy, and Dr. C. R. Sanger, assistant professor of chemistry.

MR. L. B. WILSON has been appointed demonstrator in pathology and bacteriology in the University of Minnesota.

DR. WILHELM THIERMANN, of the Technical Institute at Hanover, has been made professor.