

SCIENTIFIC NOTES AND NEWS.

DR. WILLIAM T. HARRIS, United States Commissioner of Education, has been awarded the grand prize of the Paris Exposition.

MM. LACAZE DUTHIERS and E. Mascart have been made grand officers of the French legion of honor, and MM. Henri Moissan and Troost are among those who have been made commanders. A large number of scientific men have been made officers and knights. These decorations have been conferred on the occasion of the Paris Exposition.

PROFESSOR LAMP, astronomer at the Kiel Observatory, will be absent for two years on an expedition to South Africa to determine the boundary between German East Africa and the Congo Free State.

PROFESSOR W. J. SIMPSON and Colonel Notter have gone to South Africa to investigate dysentery and enteric fever. Before leaving England they were inoculated against typhoid fever by Professor Wright.

THE Göttingen Society of Sciences has made the following awards: To Professor F. Klein 800 Marks for the Mathematical Encyclopædia and 500 Marks for the preparation of kinematic models, and 500 Marks to Professor Wiechert for the construction of seismological recording instruments.

FOLLOWING the banquet given to Lord Lister by the Paris Scientia Club a banquet was given to Lord Kelvin at which M. Oliver presided and speeches were made by MM. Mascart and Cornu to which Lord Kelvin replied.

PROFESSOR GIARD, director of the biological station at Wimereux, has been elected Knight of the Order of Leopold by the Belgian government.

IT is stated in *Nature* that Professor J. C. Bose, who has been attending the recent International Congress of Physics at Paris as the delegate of the Government of Bengal, proposed to attend the British Association meeting at Bradford in the same capacity, and would there describe some electrical investigations with which he has lately been engaged.

SIR W. MCGREGOR, M.D., C.B., Governor of Lagos, will deliver the opening address at the London School of Tropical Medicine in October.

DR. DOMINGO FRAIRE known for his work on the yellow fever bacillus has died at Rio Janeiro, at the age of 50 years.

UNDER the auspices of the Ottawa Field-Naturalists' Club last fall a movement was inaugurated with the object of perpetuating, in some visible and tangible manner, the memory of Elkanah Billings, who died some 24 years ago. He conducted the *Canadian Naturalist and Geologist* for several years, first in Ottawa, but later in Montreal, whither Sir William Logan had induced him to go and join him in investigating the geological resources of old Canada (Quebec and Ontario). For twenty years Mr. Billings labored in the Survey, and by his good work achieved reputation as a paleontologist and a geologist. The memorial will take the form of a portrait painted by Mr. Charles E. Moss, which will be presented to the Geological Survey Department and placed in the museum near the collections made by Billings. Subscriptions towards the memorial may be sent to Dr. H. M. Ami, Geological Survey Department, Ottawa, Can.

THE International Congress of Hygiene was held in Paris from August 10th-17th with more than 1600 members in attendance. Professor Brouardel, dean of the faculty of medicine in Paris, presided, with honorary presidents from the different nations as follows: Dr. Calleja (Spain), Dr. Köhler (Germany), Dr. Pagliani (Italy), Professor Corfield (Great Britain), Dr. Van Trama-Sternegg (Austria), Dr. Bartolette (United States), Dr. Borup (Denmark). The Congress met in nine sections to which over fifty reports were presented for discussion.

THE fourteenth International Medical Congress will be held at Madrid during the spring of 1903 and will be under the presidency of Professor Julien Calleja, dean of the Faculty of Medicine.

THE twelfth International Congress of Anthropology and Historic Archaeology opened at Paris on August 20th under the presidency of M. Bertrand.

THE next international Congress of Mathematicians will be held in Germany in the summer of 1904. The place has not yet been definitely decided upon.

THE Royal Saxon Antiquarian Society of Dresden celebrated its seventy-fifth anniversary on September 26th.

A PASTEUR Institute has been opened at Kasauli, a hill station in the Punjab district of India, about thirty miles from Simla.

THE University of Aberdeen has received from Miss Cruikshank botanical gardens, 6 acres in extent, with an endowment of £15,000. The gift is made in memory of her brother Dr. Alexander Cruikshank.

THE *Botanical Gazette* states that the private herbarium of Harry N. Patterson, of Oquawka, Illinois, containing about 30,000 sheets, has been secured by the Field Columbian Museum, and will be installed with the rapidly growing collections of that institution as promptly as the careful cataloguing practiced in all departments will admit. The botanical department of the museum is to be congratulated upon this accession of one of the notable private herbaria of the country; one that will add a complete collection of Pringle's Mexican plants to its already excellent representation of the flora of that region and the Antillean islands. Mr. Patterson's herbarium is more or less contemporaneous with that of the late Mr. Bebb which the museum secured some three years ago, and as Mr. Patterson made it his aim to secure a complete series of the species of North America, its addition to the collections of the museum will be of great value to botanical students and specialists in the west.

DR. L. A. BAUER, in charge of the magnetic work of the U. S. Coast and Geodetic Survey, has left Washington for a three month's trip to Alaska and the Hawaiian Islands, in order to select the sites for the magnetic observatories in those regions. A third magnetic observatory, known as the Principal Magnetic Base Station, is now being built sixteen miles south-east of Washington, D. C., and a fourth observatory is at present in operation at Baldwin, Kansas, centrally situated to the area now being surveyed by the various magnetic parties. The last named observatory will be shifted about in the western states according to the requirements of the magnetic survey. It is the intention to have the four observatories ready

in time to co-operate with the various antarctic expeditions.

DRS. L. DIEHLS and E. Pritzel have undertaken a botanical expedition to Australia on behalf of the Berlin Museum. They will explore the little known western parts of Australia. Also in the interests of the Berlin Museum Dr. Ule has gone to the sources of the Amazon to make botanical collections and especially to study the gutta-percha plant.

MR. GEORGE VANDERBILT is defraying the expenses of an expedition to Java by Mr. David J. Walters of New Haven, who proposes to search for remains of *Pithecanthropus erectus*.

THE daily papers report that the *Stella Polaris* with the Duke of Abruzzi and his party has returned to Norway from the Polar regions. The steamship lay for eleven months in the ice in latitude 82°, but several parties proceeded further with sleighs and Captain Caigni, who was gone 104 days, reached latitude of 86° 33', a little further than the point reached by Nansen in 1895. The Duke of Abruzzi was himself disabled by having two fingers frost-bitten, and did not take part in the expeditions. The party appears to have suffered a good many hardships. No report has yet been received that throws any light on the possible value of the scientific results of the expedition.

In connection with the meeting of the German Colonial Society at Coblenz a prize of 3000 Marks is offered for first finding gutta-percha plants in the German colonies and transplanting them to one of the experimental stations or to the central station in Berlin.

THE National Educational Association offers prizes as follows: For the best essay submitted on each of the following topics: the seating, the lighting, the heating, and the ventilating of school buildings, \$200; for the second best essay submitted on each topic, \$100. Each essay shall be limited to ten thousand words and shall be submitted in printed or typewritten copy without signature, but with name of the author enclosed with it in a sealed envelope. Three copies of each essay shall be submitted, and addressed to the chairman of the committee, Mr. A. R. Taylor, at Emporia, Kansas. They must be mailed not later than February 1, 1901.

THE Magellanic gold medal of the American Philosophical Society will be awarded in December to the author of the best discovery or of the most useful invention in the physical sciences presented to the Society before November 1st.

MR. J. H. PORTER, of London, has just issued the final part of Messrs. Sclater and Thomas' 'Book of Antelopes,' which completes this important zoological work. It was planned by the late Sir Victor Brooke (to whose memory it is dedicated), and most of the plates were drawn under his superintendence more than twenty years ago. After Sir Victor's death, in 1891, the present authors undertook to prepare the letter press. The four volumes of the 'Book of Antelopes' contain 100 colored plates and 121 illustrations in the text.

MR. HEINEMANN will bring out in the autumn an account of the Antarctic expedition of the *Belgica*, written by the only English-speaking member of her crew, Mr. Frederick A. Cook, who accompanied the expedition as surgeon, anthropologist and photographer.

THE Philosophical Society of the University of Vienna proposes to publish a complete catalogue of psychological literature published between 1850 and 1900.

THE Journal officiel of the Paris Exposition has published in a number containing 350 pages the list of awards made at the Paris Exposition. There were in all 75,531 exhibitors of whom 42,790 received awards. The number of each kind of prize awarded is given in the first column of the accompanying table, while in the second column is the number conferred on Americans.

Grand Prize.....	2,827	218
Gold Medal.....	8,166	486
Silver Medal.....	12,244	583
Bronze Medal.....	11,615	423
Honorable Mention.....	7,938	270

In the Department of Education (Group I.) 12 grand prizes were awarded to the United States for primary education, 9 for secondary education, 13 for higher education, one for agricultural education, 6 for industrial education. It is perhaps somewhat surprising that the United States should have been awarded 41

grand prizes in education, as compared with 6 in machinery and electricity.

WE announced last week the death of Dr. John Anderson and now take from the *London Times* the following facts in regard to his life: Dr. Anderson was the son of the late Mr. Thomas Anderson, secretary to the National Bank of Scotland, Edinburgh, in which city he was born in 1833. He was educated at the George-square Academy and the Hillstreet Institution, and finally at the Edinburgh University. In 1861 he took the degree of M.D. and received a gold medal for his thesis entitled 'Observations in Zoology.' Immediately after his graduation he was appointed professor of natural science in the Free Church College, Edinburgh, but he resigned the office in 1864, having been offered the curatorship of a museum which the Government of India intended to found in Calcutta, and of which the collections of the Asiatic Society of Bengal were to form the nucleus. He arrived in India in July, 1864, and in the following year was appointed superintendent of the Indian Museum. Two or three years afterwards he was also given the chair of comparative anatomy in the Medical College, Calcutta. In 1868 he was selected by the Government of India to accompany an expedition to Western China *via* British and Independent Burma, in the capacity of scientific officer. Again, in 1874, he was chosen by the Government of India to proceed once more to Western China in the same capacity as on the former expedition, and with instructions to advance from Bhamo to Shanghai. This expedition was attacked by the Chinese, and was obliged to retreat to Burma. In 1881 Dr. Anderson was sent by the trustees of the Indian Museum, Calcutta, to investigate the marine zoology of the Mergui Archipelago, off the coast of Tenasserim. In 1887 he retired from the service of the government of India. Besides numerous papers on zoology, Dr. Anderson is the author of many independent works, among them being 'A Report on the Expedition to Western China *via* Bhamo,' published by the government of India in 1871; 'Mandalay to Momien,' an account of the two expeditions to Western China under Colonel Sir Edward Sladen and Colonel Horace Browne;

'Anatomical and Zoological Researches,' including an account of the zoological results of the two expeditions to Western China in 1868-69 and 1875. The scientific results of his researches in the Mergui Archipelago were published by the Linnean Society of London, and he also published in 1890 an account of 'English Intercourse with Siam in the Seventeenth Century,' as one of Trübner's Oriental Series. In addition to being a fellow of many learned societies he was also a Fellow of the Calcutta University and a corresponding Fellow of the Ethnological Society of Italy. In 1885 the University of Edinburgh conferred on him the honorary degree of LL.D. In 1896 Dr. Anderson published a small volume on 'The Herpetology of Arabia,' and he was lately engaged on a work dealing with 'The Fauna of Egypt.'

UNIVERSITY AND EDUCATIONAL NEWS.

HARVARD UNIVERSITY, Radcliffe College and the Massachusetts Institute of Technology each receive \$2000 by the will of Barthold Schlesinger, of Brookline, Mass.

MR. JOHN D. ROCKEFELLER has given \$180,000 to Spellman Seminary, a Baptist college for negroes at Atlanta, Ga.

THE Corporation of Harvard University has passed the following minute in acknowledgment of the gift of \$100,000 made through Mr. Alexander Agassiz from Mr. and Mrs. Quincy A. Shaw, Mrs. Henry L. Higginson and himself for the immediate construction of the southwest corner of the Oxford street façade of the University Museum: *Voted* that the president and fellows gratefully accept this large gift on the terms and conditions named in Mr. Agassiz's letter, and hereby record their sense of the great worth of a gift which strengthens and perpetuates the precious associations with the name of Agassiz at Harvard University, and perfectly illustrates the noble use of private wealth for the promotion of public intellectual ends.

THE city of Lafayette, Ind., has presented to Purdue University a 2,000,000-gallon water works pumping engine for use in the laboratory of the university. It was built in 1875 and is

an excellent example of the duplex walking-beam pump. In addition to its historical value it will furnish an ample supply of water for the hydraulic experiments which will be carried on.

SMITH COLLEGE will celebrate the 25th anniversary of its foundation on October 2d and 3d. On the latter day historical addresses will be made by the Rev. Dr. John M. Greene, and President Seelye, and there will be an educational conference, with addresses by Dr. William T. Harris, United States Commissioner of Education; Dean Le Baron Russell Briggs, of Harvard University; President Arthur M. Hadley, of Yale University; President Seth Low, of Columbia University; President James M. Taylor, of Vassar College; President Caroline Hazard, of Wellesley College, and President M. Carey Thomas, of Bryn Mawr College.

PROFESSOR J. G. MCGREGOR, of Dalhousie University, Halifax (N. S.), has been appointed professor of physics in the University College, Liverpool, in succession to Professor Lodge.

DR. F. E. BOLTON, of the Milwaukee State Normal School, has been elected professor of pedagogy in the State University of Iowa.

DR. WALTER FRANCIS WILCOX has been appointed lecturer on the United States Census of 1900, at Harvard University.

PROFESSOR RUSH RHEES, the new president of the University of Rochester, is to be formally installed on Oct. 11th.

THE Crown appointments on the Senate of the University of London are: Sir John Wolfe-Barry, Sir Henry Roscoe, Mrs. Henry Sidgwick, and the Hon. W. Pember Reeves, and, as a representative of the faculty of laws, Lord Davey.

DR. ADOLF SAUER, associate professor at Heidelberg, has been elected professor of mineralogy and geology and director of the newly established geological bureau at Stuttgart.

DR. TCHERMACK, docent at Leipzig, has been appointed assistant in the physiological laboratory at Halle.

DR. ABEGG, docent in chemistry at Breslau, has been promoted to an associate professorship. At the same university Dr. Emil Bose has qualified as docent in physics.