

THE chemical library of the late Professor Bunsen is now offered for sale at Leipzig.

THE eleventh annual meeting of the American Morphological Society will be held at the Johns Hopkins University, Baltimore, Md., December 27 and 28, 1900, under the presidency of Professor T. H. Morgan. The first session will begin Thursday, December 27th, at 9:30 A. M. Other sessions will be held on Thursday afternoon and Friday morning. The titles of papers and lists of exhibits should be in the hands of the Secretary, Professor J. S. Kingsley, Tufts College, Mass., not later than December 10th; any title received after December 23d will be admitted only by special vote of the executive committee. The suggestion has been made that the Society have an informal meeting on Wednesday evening which shall be of a social character and in some respects similar to the gatherings of the Physiological Society. If sufficient encouragement is received arrangements will be made for such a meeting of the Morphological Society.

THE first annual meeting of the Illinois State Electric Association will be held at the University of Illinois, November 27, 1900. The Association was organized at Springfield, Ill., on April 24, 1900, and represents in its membership the leading electric light and power industries of the State.

PARTICULARS concerning the Ludwick Institute courses of free lectures on the natural sciences and their applications at the Academy of Natural Sciences of Philadelphia for the season 1900-1901 have been announced. The program is as follows:

Course I. 'Geographical Distribution of Animals.' Dr. Henry A. Pilsbry.

Course II. 'Entomology.' Dr. Henry Skinner.

Course III. 'Physiology and Hygiene.' Dr. Seneca Egbert.

Course IV. 'The Bird Life of Philadelphia and Vicinity.' Witmer Stone.

Course V. 'Metamorphism, as exemplified in the rocks of the Philadelphia Region.' Dr. Amos P. Brown.

Course VI. 'Influence of the Environment on Animal Life.' Dr. Benjamin Sharp.

Course VII. 'Botany.' Stewardson Brown.

Course VIII. 'The Survival of the Fittest Animals.' Dr. Philip P. Calvert.

Each course consists of five lectures which are delivered on Monday and Thursday evenings at 8 o'clock. Free season tickets can be obtained at the Academy from any of the lecturers or from Mr. A. C. Ashmead, 11th and Walnut Sts., Philadelphia.

THE annual report of the Council of the Royal College of Surgeons of England has recently been issued. According to the account in the London *Times*, it contains for the first time a list of honorary fellows. The list includes the names of the Prince of Wales, Lord Salisbury and Lord Rosebury, and of 35 eminent surgeons from all parts of the world. There are 1,221 fellows of the College and 17,510 members, being considerably over half of the number of names contained in the Medical Register for 1900.

AT the fourteenth ordinary general meeting of the Egypt Exploration Fund on November 7th, Professor Flinders Petrie spoke of the new knowledge of ancient Egyptian civilization which had resulted from the explorations supported by the Society. The treasurer reported that about thirteen thousand dollars was spent in 1899-1900.

AN international association for the furtherance of the exploration of Central Asia is being formed at St. Petersburg.

THE *Antarctic*, the ship used by the Danish Lieutenant Amdrup during his recent successful East Greenland exploration expedition, has been bought by Dr. Otto Nordenskjöld, for his proposed South Polar expedition. The *Antarctic* once before visited the South Polar regions and is the same ship that Professor Nathorst used in two Antarctic expeditions.

THE French War Department has appropriated \$80,000 for secret experiments on wireless telegraphy with a view to perfecting its applications in war.

UNIVERSITY AND EDUCATIONAL NEWS.

THE hall of Natural History of Trinity College will be formally opened on the afternoon of Friday, December 7th. Addresses will be given in Alumni Hall by Professor H. F. Osborn, of Columbia University, on 'The Prog-

ress of Vertebrate Paleontology in the United States,' and by Professor W. H. Howell, dean of Johns Hopkins University Medical Department, on 'Biology as an Element in College Training.' Following the addresses a reception will be held from five to seven o'clock in the Hall of Natural History.

DR. WILLIAM E. QUINE, dean of the College of Physicians and Surgeons in Chicago, has given \$25,000 to the College to endow its library, and Dr. D. A. K. Steele, another member of the faculty, has given a like amount to endow the pathological laboratory.

THE Vice-Chancellor of Cambridge University has published a list of donations to the Benefaction Fund, which brings the total up to more than £66,000. Some £1,600 have also been contributed for the special purpose of equipping an experimental farm for the department of agriculture.

THE department of pedagogy of the University of Illinois, under the direction of Professor E. G. Dexter, is establishing a pedagogical library and museum. The exhibits, part of which are loaned, are divided as follows: (1) Photographs, plans and, as far as possible, specifications and descriptions of school buildings; (2) Old and current catalogues and courses of study of public school systems and educational institutions; (3) Material constructed or prepared by pupils, including models in wood, metal and clay; work in paper and paste-board, work in color and drawing, written exercises, etc.; (4) General educational reports and special publications; (5) School text-books and literature of all kinds for all grades; (6) School furniture and appliances, including charts, globes, desks, etc.; (7) Apparatus of all makes and kinds for school laboratories; (8) Catalogues, photographs and descriptions of material of the above descriptions.

A NEW regulation has been made by the Harvard faculty of arts and sciences, to allow students to obtain both the Bachelor of Arts and Bachelor of Science degrees in five years. The regulation is as follows: "Students who wish to take the degree of Bachelor of Science in addition to the degree of Bachelor of Arts may register in the Lawrence Scientific School

after their third year in Harvard College (or after the satisfactory completion of fourteen courses counting toward the degree of Bachelor of Arts). They may obtain the degree of Bachelor of Arts on the satisfactory completion of the required number of courses counting toward that degree, and the degree of Bachelor of Science after at least two years in the Scientific School, the last year to be devoted to work prescribed by the administrative board of the Scientific School."

LORD BARNARD formally opened the new science building, costing over £4,000, attached to the North-Eastern County School, Barnard Castle, England, on November 6th. The Bishop of Durham and others were present. Lord Barnard, in the course of his speech, advocated the endowment of a University for the north of England similar to the Birmingham University.

PRESIDENT D. C. GILMAN, of the Johns Hopkins University has privately intimated to the trustees his intention of resigning at the close of the present academic year, which will complete 25 years of service since the opening of the University in 1876.

PROFESSOR CURIE has been appointed professor of physics at Paris.

DR. ERSKINE-MURRAY has been appointed lecturer and demonstrator of physics and mathematics at the University College, Nottingham, England.

MR. E. J. RUSSELL, B.Sc., assistant lecturer and demonstrator at Owens College, Manchester, has been appointed lecturer in chemistry at the South-Eastern Agricultural College in place of Mr. H. H. Cousins, M.A., who has been appointed agricultural chemist to the Government of Jamaica.

WE also note the following appointments in German Universities: Dr. Georg Thilenius, of Strasburg, associate professor of anatomy in the University at Breslau; Dr. Adolf Kneser, of Dorpat, professor of mathematics in the Berlin School of Mines; Dr. Immendorf, of Bremen, professor of agricultural chemistry in the University at Jena and, at the experiment station of the same University, Dr. Oscar Böttcher, of Mökern, professor of agricultural chemistry and director of the station.