

cial scientific papers and more general addresses, to meet friends and form acquaintances, than the meeting of the American Association and the affiliated societies which begins at Ithaca informally on Thursday evening of next week and formally on the following day.

SCIENTIFIC NOTES AND NEWS.

THE *Ordre pour le Mérite* has been conferred on Professor Robert Koch by the German Emperor.

THE Society of Arts has awarded its Albert medal to Sir Joseph W. Swan, F.R.S., 'for the important part he took in the invention of the incandescent electric lamp, and for his invention of the carbon process of photographic printing.'

PROFESSOR F. E. NIPHER has been elected a foreign member of the Physical Society of France.

COLUMBIA UNIVERSITY has conferred its doctorate of science on Daniel Giraud Elliot, curator of zoology, Field Museum of Natural History, and on Baron Kanehiro Takaki, surgeon-general (reserve) of the Japanese navy.

SYRACUSE UNIVERSITY has conferred the degree of doctor of laws on Professor Lucien M. Underwood, professor of botany at Columbia University.

ST. LAWRENCE UNIVERSITY has conferred its doctorate of science on Mr. Willis L. Moore, chief of the Weather Bureau.

At its recent commencement, Union College conferred the honorary degree of doctor of science on C. J. H. Woodbury, of the American Bell Telephone Company, Boston, Mass.; on E. W. Rice, Jr., of the General Electric Company, Schenectady, N. Y., and on Charles S. Prosser, professor of geology in the Ohio State University.

THE Western University of Pennsylvania, at its commencement on June 12, conferred the honorary degree of Sc.D. upon Mr. William T. Hornaday, the director of the New York Zoological Garden at Bronx Park. Owing to recent illness Mr. Hornaday was

not able to be present, and the degree was received for him by Dr. W. J. Holland, the director of the Carnegie Museum, who said: "Mr. Hornaday is to-day one of the very foremost men in his calling. He it was who first suggested the establishment of the National Zoological Park in Washington, and from the very beginning until the present hour he has watched over and guided the development of the Zoological Garden in New York until it is to-day the most perfect, the most beautiful and most generously supported institution of its kind upon the globe. His aim has been to popularize knowledge of the animal world. His latest work, 'The American Natural History,' is a splendid book. In honoring Mr. Hornaday the university is honoring herself."

THE Carnegie Institution of Washington, which has subsidized the horticultural work of Mr. Luther Burbank for a term of years, has recently taken additional measures to extend and facilitate the development of this project. Dr. George H. Shull, of the department of experimental evolution, has been sent to Santa Rosa to begin a study of Mr. Burbank's horticultural operations. It is proposed to prepare a volume descriptive of noteworthy products and to examine all available results of breeding experiments with respect to their bearing on questions of hybridization, selection, heredity and variation. The entire investigation is in charge of a committee consisting of President Woodward; Dr. C. B. Davenport, director of the department of experimental evolution; Dr. D. T. MacDougal, director of the department of botanical research, and Dr. A. G. Mayer, director of the department of marine biology. The committee has recently returned from a conference with Mr. Burbank, during the course of which an inspection was made of the breeding grounds and plantations at Santa Rosa and Sebastopol.

PROFESSOR R. S. TARR, of Cornell University, will conduct an expedition to Alaska during the coming summer, with four assistants and a number of packers. This expedition will study the Malaspina and Bering

Glaciers and make a reconnaissance survey of the bed-rock geology of the region between Yakutat and Controller Bays.

PROFESSOR H. L. FAIRCHILD, of the University of Rochester, secretary of the Geological Society of America, will spend the summer on the Pacific coast, and will thereafter attend the International Geological Congress at the City of Mexico.

M. PIERRE JANET, professor of experimental psychology in the Collège de France, has been appointed lecturer at Harvard University next year, and will give a course on the symptoms of hysteria.

MR. ELIHU ROOT, secretary of state, has been elected Dodge lecturer at Yale for 1907. He will lecture on the responsibilities of citizenship.

DR. W. H. MANWARING, of Indiana University, will give a series of twenty-four lectures entitled 'An Introduction to Pathological Physiology,' before the students of Rush Medical College, during the summer quarter.

THE American Medical Association will meet next year in Atlantic City either immediately before or after the meeting of the Congress of Physicians and Surgeons at Washington. The chairmen of the sections are: *Obstetrics and Diseases of Women*—Dr. J. Wesley Bovée, of Washington, D. C.; *Hygiene and Sanitary Science*—Dr. Prince A. Morrow, of New York City; *Diseases of Children*—Dr. J. Ross Snyder, of Birmingham, Ala.; *Pathology and Physiology*—Dr. W. L. Bierring, of Iowa City, Ia.; *Laryngology and Otology*—Dr. S. M. Snow, of Philadelphia; *Ophthalmology*—Dr. G. C. Savage, of Nashville, Tenn.; *Pharmacology and Therapeutics*—Dr. H. C. Wood, Jr., of Philadelphia; *Stomatology*—Dr. Schamberg, of Philadelphia.

A COMMITTEE has been formed with the object of establishing a memorial of the late Sir William Wharton, K.C.B., F.R.S., who died at Cape Town in September, after the British Association meeting in South Africa.

DR. MARY PUTNAM JACOBI, a well-known physician and author of works on medicine and hygiene, died on June 10, at the age of

sixty-three years. Mrs. Jacobi was the wife of Dr. Abram Jacobi, emeritus professor of the diseases of children in Columbia University.

THE death is announced of Dr. James Blyth, professor of natural philosophy in the Glasgow and West of Scotland Technical College.

THE Royal Geographical Society of Australasia, Queensland, will celebrate the twenty-first anniversary of its foundation in the last week of June.

THE Selborne Society's annual *conversazione* was held in London, on May 25. About 800 guests were present. In the smaller halls there was a collection of exhibits, including natural history specimens shown under microscopes by fellows of the Royal Microscopical Society, members of the Quekett Club, North London Natural History Society and others. Lord Avebury gave the presidential address. The society now numbers over 1,800 members, and several new branches have been formed during the year.

THE new Cecil Duncombe Observatory at Leeds was opened on May 4 by Professor Turner, of Oxford University, who is a native of Leeds.

Nature states that the German Bunsen Society for Applied Physical Chemistry held its annual general meeting in Dresden under the presidency of Professor Nernst on May 20-23. The business of the meeting included some thirty-five papers, in a group of five of which the value and methods of the fixation of nitrogen for industrial and agricultural purposes were discussed, in another group colloidal bodies were considered, whilst other subjects brought forward were such as technical methods for examining explosives, radiation laws, etc.

ON June 11, the bill for the protection of animals, birds and fish in the forest reserves of California was reported to the senate by the committee on forest reservations and the protection of game without amendment. The house resolution to protect birds and their eggs in game and bird preserves was reported

in the senate by the same committee. The bill appropriating \$25,000 for the establishment of a fish-culture station for the propagation of shad and other fishes on St. Johns River, Florida, passed the senate. On June 12 the house resolution for the protection and regulation of the fisheries of Alaska passed the senate with amendment.

UNIVERSITY AND EDUCATIONAL NEWS.

At the graduating exercises of the Brooklyn Polytechnic Institute President Atkinson announced that the trustees had subscribed \$800,000 toward the \$2,000,000 necessary to endow the proposed extension of the institute, affording facilities for more advanced work.

MR. AND MRS. JACOB TURTELLOUT, of Minneapolis, have offered to give \$400,000 to build and endow an academy for the town of Thompson, Conn.

DR. HENRY M. SAUNDERS, of New York, a trustee of Vassar College, has given \$75,000 for the erection of a building, yet undesigned, as a memorial to his wife.

THE Drapers' Company has offered £5,000 towards the buildings of the department of agriculture in the University of Cambridge, on condition that an equal sum be raised by the end of the year. The Duke of Devonshire, Lord Rothschild, Lord Strathcona and Sir Ernest Cassel have promised £1,000 each. The Goldsmiths' Company have presented £5,000 to the university for the present needs of the library.

THE cornerstone of the new chemical laboratory of Colgate University was laid on June 3 in connection with the commencement exercises. At the same time Lathrop Hall was dedicated.

It is reported that the Andover Theological Seminary is likely to be merged with the divinity school of Harvard University. Andover has considerable endowments, but only fourteen students.

At the University of Colorado, the following degrees were conferred on June 6: B.A., 66; B.S., 14; M.D., 17; LL.B., 12; M. A., 9; Ph.D., 3; total, 121.

At Harvard University, D. W. Johnson, S.B. (Mexico), Ph.D. (Columbia), assistant professor of geology at the Massachusetts Institute, has been appointed assistant professor of physiography; F. T. Lewis, A.B., A.M., M.D. (Harvard), has been promoted to an assistant professorship of embryology.

At the Johns Hopkins University, associate professor Duncan S. Johnson has been promoted to a professorship of botany and associate Caswell Graves to be associate professor of zoology.

DR. ALBERT ERNEST JENKS, recently chief of the Ethnological Survey of the Philippine Islands, has been elected to an assistant professorship in the department of sociology at the University of Minnesota. The courses presented will be largely ethnological.

GEORGE A. HANFORD, A.B., Ph.D. (Yale), has been advanced to the position of associate professor of chemistry and physiological chemistry and director of the chemical laboratory in the medical department of Syracuse University.

DR. E. S. HALL, research assistant in chemistry at the University of Chicago, has been appointed assistant professor of chemistry, and George Winchester, of the University of Chicago, has been elected professor of physics at the University of Washington (Seattle) for the ensuing year.

THE following instructors have been appointed at the Massachusetts Institute of Technology for the coming year: M. W. Dole, in mechanical engineering; R. Haskell, in theoretical chemistry; A. F. Holmes, in mechanical engineering; G. W. Eastman, in physics; Charles Field, 3d, in organic chemistry; G. F. Loughlin, in geology; C. H. Mathewson, in analytical chemistry. The following have been appointed as assistants: H. S. Bailey, in technical analysis; J. F. Banash, H. P. Hollnagel and C. S. McGinnis, in physics; S. H. Grauten, C. D. Richardson and E. B. Rowe, in electrical engineering; B. W. Kendall, in electrochemistry; J. F. Norton, in organic chemistry; G. F. White and F. H. Willcox, in analytical chemistry.