

ler. The School of Mines and Industries, founded in 1889, received state aid in 1903 to the extent of £3,658, while the receipts from fees and sale of materials to students amounted to £3,691. Queensland is beginning to display increased interest in the movement, a board of technical instruction having been appointed in 1902, holding its first examination at the close of 1903, when 960 students were examined, two thirds obtaining certificates of competency. In the same year there were twenty technical schools distributed through the state, with an enrolment of 2,600 students. The amount of fees, etc., collected was £13,385, and that of the expenditure £14,280, showing the system to be almost self-supporting. In Western Australia a technical school has been opened at Perth, having now an average attendance of 190, the annual expenditure amounting to nearly £6,000. Tasmania has also technical schools in Hobart and Launceston, the average attendance, including that of the two schools of mines, being 540, the annual expenditure being under £3,000.

THE INAUGURATION OF PRESIDENT DRINKER.

IN connection with the celebration of Founder's Day, Lehigh University installed its new president, Mr. Henry Sturgis Drinker, on October 12, in the Packer Memorial Chapel. Mr. Robert H. Sayre, president of the board of trustees, made the installation address, which was followed by a brief response from President Drinker. The greetings of the alumni were tendered in an address by Mr. Frank P. Howe, of the class of '78. Following the installation ceremonies, an oration in memory of Asa Packer, the founder of the university, was delivered by the Hon. Hampton L. Carson, attorney general of Pennsylvania, his subject being 'Practical Ideals.' The service in the chapel was then adjourned to the site selected for the erection of the Drown Memorial Hall, where the sod was turned by Mr. Robert H. Sayre, and addresses in memory of the late President Brown were made by Dr. Charles R. Dudley, chief chemist of the Pennsylvania Railroad and chairman of the general

committee on the Drown Memorial Fund, and Dr. Rossiter W. Raymond, Dr. Drown's successor as secretary of the American Institute of Mining Engineers. The alumni, faculty and guests of the university were received by the president and trustees at a luncheon in the gymnasium, where in the evening an alumni dinner was given in honor of President Drinker. Addresses were made by Mr. Harlan Sherman Miner, '88, for the alumni; President Isaac Sharpless, of Haverford College, for the invited guests; Bishop Talbot, of South Bethlehem, for the trustees; Professor Mansfield Merriman, for the faculty, and the president of the senior class for the undergraduates.

THE INSTALLATION OF PRESIDENT JAMES AT THE UNIVERSITY OF ILLINOIS.

THE ceremonies in connection with the installation of Dr. Edmund Janes James as president of the University of Illinois is taking place this week. At the inaugural exercises addresses are expected by:

Hon Charles S. Deneen, Governor of Illinois.

Hon. Samuel A. Bullard, president of the Board of Trustees.

Hon. Andrew S. Draper, former president of the university and commissioner of education, state of New York.

after which President James is to deliver his inaugural address and degrees are to be conferred. Professor T. J. Burrill, professor of botany and vice-president of the university, is announced to welcome delegates who are expected to respond as follows:

President James B. Angell, of the University of Michigan, for the state universities.

President Ira Remsen, of Johns Hopkins University, for eastern universities.

Chancellor Frank Strong, of the University of Kansas, for western universities.

President Edwin B. Craighead, of Tulane University, for southern universities.

Vice-President Harry P. Judson, of the University of Chicago, for the universities and technical schools of the state.

President Charles H. Rammelkamp, of Illinois College, for the colleges of the state.

President John W. Cook, of the Northern Illinois State Normal School, for the normal schools of the state.

Principal Benjamin F. Buck, of the Lake View High School, for high schools of the state.

There are being held during the week a large number of assemblies and conferences, including a conference on 'Religious Education in State Universities and Colleges,' a conference on 'Commercial Education' and 'A National Conference of College and University Trustees.' Among those announced to speak at the latter congress are the Hon. Andrew S. Draper, president Henry S. Pritchett and Professor Charles E. Bessey.

SCIENTIFIC NOTES AND NEWS.

IN memory of Professor DeWitt B. Brace, head of the department of physics of the University of Nebraska, whose death we were compelled to record last week, the new physics building, the construction of which he supervised and into which he was about to move, will be named Brace Hall.

PROFESSOR G. E. HALE, director of the Mt. Wilson Solar Observatory, on September 30, gave a lecture in the Cavendish Laboratory, Cambridge University, on 'The Development of a New Method in Solar Research,' and on October 4 he gave a lecture at a special meeting of the Royal Astronomical Society on the 'Solar Observatory on Mount Wilson, California.'

THE medical profession of Chicago will give a banquet to Dr. Nicholas Senn on Saturday, November 11. The committee of arrangements consists of Drs. William A. Evans, Frank Billings, John B. Murphy, William L. Baum and David J. Doherty.

DR. C. H. GILBERT, who has been working during the summer on the deep-sea fishery collections at Washington, has returned to Stanford University.

MR. J. H. BATTY, who has been collecting mammals, birds and reptiles for the American Museum of Natural History in Mexico for several years past, finished his work in southern Sinaloa in November of last year, going thence overland through Tepic to Jalisco, where he has since been making important collections. Several shipments from Jalisco have already reached the museum, containing

hundreds of birds and mammals, besides many reptiles and insects, accessories for groups and a large number of valuable photographs. During the last two or three months he has been exploring the fauna of Mount Colima and the adjacent regions.

DR. H. BECHHOLD has been appointed a member of the Royal Institute for Experimental Pathology at Frankfort.

THE Royal Commission on the Care and Control of the Feeble-Minded, consisting of Mr. W. P. Byrne, C.B., Mr. W. H. Dickinson, Dr. H. B. Donkin, Dr. J. C. Dunlop and Mrs. Pinsent, left Liverpool for the United States on October 2 to study American methods of treating the insane.

PROFESSOR W. E. CASTLE, of Harvard University, will lecture before the New York Association of Biology Teachers, on the evening of October 20, his subject being 'The Experimental Study of Heredity.'

PROFESSOR EDGAR L. HEWETT, of Washington, will lecture on October 30 at the American Museum of Natural History before the American Ethnological Society, on 'The Life and Culture of the Tewa Indians in Pre-Spanish Times.'

PROFESSOR H. MARSHALL WARD, F.R.S., delivered the inaugural address at the opening of the present session of the Southeastern Agricultural College, at Wye, England, taking as his subject 'Botany and Agriculture.'

DR. J. W. LOWBER, F.R.G.S., F.R.A.S., of Austin, Texas, has been elected a member of the Royal Societies Club of London.

SIR WILLIAM WHARTON, F.R.S., hydrographer of the British Navy, died at Cape Town, on September 29, of enteric fever. Sir William Wharton was president of the Section for Geography at the meeting of the British Association in South Africa.

DR. WILHELM JOHANN FRIEDRICH VON BEZOLD, professor of physics and meteorology at the University of Berlin and director of the Prussian Meteorological Bureau, died on September 13, at the age of sixty-eight years.

THE death is announced of Dr. Alexander Hay Japp at the age of sixty-six years. He