

dent—Right Hon. Sir Herbert Maxwell, Bart, M.P. Secretaries—Dr. Bulstrode, Dr. Arthur Newsholme, Dr. James Niven. Section 2 (Pathological, including Bacteriology). President—Professor Sims Woodhead, M.D. Secretaries—Dr. Wethered, Professor Rubert Boyce, Dr. E. J. McWeeney. Section 3 (Tuberculosis in Animals). President—Sir George Brown, C.B. Secretaries—Professor Hobday, Royal Veterinary College; Messrs. Harold Sessions, F.R.C.S., Stuart Stockman (Glasgow), Frank Leigh (Bristol). Section 4 (Clinical and Therapeutical, including Climatology and Sanatoria). President—Sir R. Douglass Powell, Bart, M.D. Secretaries—Sir Hugh Beevor, Bart, M.D., Dr. Hector Mackenzie, Dr. R. W. Philip, Dr. William Calwell (Belfast). The subscription for ordinary members will be £1. As the expense of the Congress will be very considerable, donations to the Reception Fund are invited. Donations of more than one guinea will be considered as including members subscription, and will entitle the donor, whether an individual or a corporation, to all the privileges of membership.

SCIENTIFIC NOTES AND NEWS.

PROFESSOR JAMES EDWARD KEELER, the eminent astronomer, director of the Lick Observatory, died at San Francisco on August 12th, from the effects of heart disease. He was born in La Salle, Ill., on September 8, 1857.

PROFESSOR RUDOLPH VIRCHOW has been elected an honorary member of the Vienna Academy of Sciences, and Dr. Ernst Abbe, professor of meteorology and astronomy at Jena, Dr. Karl v. Zittel, professor of paleontology and geology at Munich, and Dr. Felix Klein, professor of mathematics at Göttingen, have been elected corresponding members of the same Academy.

MR. OVERTON W. PRICE, of the Division of Forestry of the U. S. Department of Agriculture, has been promoted to the position of superintendent of working-plans and assistant chief, vacant by the appointment of Mr. Henry S. Graves to the professorship of forestry in Yale University.

IN response to a recent requisition from the Bureau of American Ethnology for an assistant

ethnologist especially competent to deal with the Siouan languages, the Civil Service Commission held, on July 24th, a competitive examination for the position. Only a single candidate entered the competition—Mr. John R. Swanton, of Massachusetts, a recent student in Columbia University, where he took a special course in American linguistics under Dr. Boas; he passed the examination most satisfactorily. His immediate field of work will include reservations of the Dakota and other Siouan Indians.

THE Rolleston Prize, Oxford University, has been awarded to Gustav Mann, B.Sc., New College, for his published 'Research on the Histology of Vaccinia' and for his unpublished 'Atlas of the Anatomy of the Brain of the Frog.'

PROFESSOR WILLIAM C. STUBBS, director of the Audubon experiment station in Louisiana, has gone to Hawaii as a representative of the Agricultural Department to make a study of the sugar industry on the islands and to establish a Government experiment station there.

DR. HIDEZO IKEDA of Tokio has been sent to America by the Japanese Government to study the agriculture of this country, with special reference to tobacco and cotton.

WE noted recently a movement for a memorial to the late Sir William Flower. We now learn from *Nature* that it is proposed that the memorial shall consist of a bust and a commemorative brass tablet to be placed in the Whale Room of the Natural History Museum—one of the departments in which he was most interested, and to which he devoted special care and attention. Subscriptions (which must not exceed two guineas) should be paid to Dr. P. L. Slater, treasurer of the Flower Memorial Fund, 3 Hanover Square, W.

DR. RUDOLPH HESSEL, who had charge of the propagating ponds of the U. S. Fish Commission, died at Washington on August 16th from the effects of sunstroke. He was born in Baden 75 years ago, and became connected with the U. S. Fish Commission in 1877.

PROFESSOR CHARLES SCOTT VENABLE, professor emeritus of mathematics at the University of Virginia, died at his home in Charlottesville, Va., on Aug. 11th. He was born in Prince

Edward County, Va., on April 19, 1827. He held professorships in the universities of South Carolina and Georgia and in Hampden-Sidney College. During the Civil War he was a lieutenant-colonel and aid-de-camp on the staff of General Robert E. Lee. In 1865 he was appointed professor of mathematics in the University of Virginia, and became emeritus professor five years ago.

DR. ERICH NYMANN, a Swedish naturalist from Upsala, has died at Munich on his return from a three year's expedition to the Malay Archipelago and New Guinea.

A FIELD party from the Botanical Department of the University of Chicago is making an ecological study of North Manitou Island, in the northern part of Lake Michigan. They will be at work during August and September.

MR. JAMES MOONEY, of the Bureau of American Ethnology, has recently gone to the old Cherokee country in North Carolina for the purpose of completing his studies of the traditions, games, and medical practice of the Cherokee Indians. He has an extended memoir on the creation myths and traditions of the tribe in the Nineteenth Report of the Bureau, which is now well advanced in the press; and he has, in more or less advanced preparation, two or three additional memoirs on the tribe, one or more of which he plans to complete by aid of information to be obtained during the autumn.

PROFESSOR C. E. BEECHER, of Yale University, is conducting an expedition to the Grand Canyon of the Colorado and Arizona.

It is reported that Dr. Riggs, of the Field Columbian Museum, has discovered a nearly perfect skeleton of a dinosaur on the banks of Gunnison River, Colorado.

THE American Chemical Society will hold its next general meeting in Chicago during Christmas week. A committee has been appointed to arrange for the celebration of the 25th anniversary of the foundation of the Society which will occur on April 6, 1901.

THE British Medical Association will hold its next annual meeting at Cheltenham under the presidency of Dr. G. B. Ferguson.

THE members registered at the International Medical Congress numbered 6170, nationalities

being represented as follows: France, 2293; Russia, 805; Germany, 572; the United States, 412; Italy, 324; Great Britain, 222; Spain, 219; Belgium, 147; Austria, 141; Argentine Republic, 108; Switzerland, 101.

AT the Paris Electrical Congress, reports will be presented as follows: 'Dynamo Electric Machinery,' Professor S. P. Thompson; 'Units,' M. Hospitalier; 'Photometry,' M. Violle; 'Asynchronous Generators and Compounding of Alternators,' M. Leblanc; 'Rotary and Rectifying Converters,' M. P. Janet; 'Use of Condensers,' M. P. Boucherot; 'Tramway Current Supply,' M. Postel-Vinay; 'Electric Lamps,' M. Blondel; 'Electro-chemistry,' M. Bouilhet; 'Calcium Carbide Furnaces,' Gen. Sebert; 'Wireless Telegraphy,' M. Blondel and Capt. Ferrié.

A CIVIL SERVICE examination will be held sometime during September or October to fill the position of chemist in the U. S. Geological Survey at \$1400 per year. Candidates will be examined in theoretical and physical, inorganic, organic and analytical chemistry, assaying, elementary mineralogy and scientific French and German. The duties of the position involve especially assaying and other branches of analysis relating to geological work. The positions of physicist and assistant physicist in the U. S. Geological Survey, at \$1800 and \$600 respectively, are likewise to be filled upon examination. The date of this examination has been postponed from August 21 to September 20.

A PROSPECTIVE publication of the Bureau of American Ethnology is the extensive dictionary of the Natick (Indian) language of Massachusetts, compiled by the late James Hammond Trumbull, and for some time preserved in the original manuscript by the American Antiquarian Society, at Worcester. The vocabulary is of much interest and value as one of the two most extensive records of the language of the aborigines of New England—the other being the well known Eliot Indian Bible. It will form the initial number of a new series of bulletins to be issued by the bureau in a superior style of publication; the size, paper and binding correspond with those of the annual reports. The authority for this new series of publications

was granted during the last session of Congress at the instance of Honorable Ernest W. Roberts, of Massachusetts, for the purpose of affording suitable means of printing and distributing the large collections of rare technical ethnologic matter now in the archives of the bureau or within its reach—of which the Trumbull vocabulary is a typical example. The greater part of this vocabulary, which will include an introduction by Dr. Edward Everett Hale, is already in type.

HERR CARL MARHOLD, of Halle, announces a book by Professor Schenk under the title 'Aus meinem Universitätsleben.' It is a reply to the professors of the University at Vienna, whose memorial to the Austrian Government led to his dismissal from the university.

MR. JAMES G. CANNON, who has been engaged in the reorganization of the business of Messrs. D. Appleton & Company, has issued a statement to the effect that the plans have been perfected, and, though the Company will remain for the present in the hands of the receiver, all authors' accounts will be paid in full. This will naturally be of interest to scientific men, as Messrs. D. Appleton & Company publish a long list of scientific books. The relations of an author to a publisher who is unable to carry out his contracts is a somewhat perplexing question. Messrs. Harpers Brothers have sold certain of their publications without the consent of the authors, and it seems doubtful whether they have a legal right to do this. There should probably be in America, as there is in England, a society of authors which could give advice, and, if necessary, take legal proceedings. Perhaps a committee of the American Association for the Advancement of Science could perform this function for scientific men.

A DECISION has been rendered by the British House of Lords which somewhat concerns scientific teachers and lecturers, and has probably never been before the Courts in the United States. Certain speeches of Lord Roseberry's were reported verbatim in the London *Times* and these were republished without the permission of the proprietors of the newspaper in question. Suit was brought to restrain the publication, and this was granted in the first

Court. The decision was reversed in the Court of Appeal, but has now been re-affirmed by the highest court. This court holds that the verbatim reporter of a speech is the 'author' in the meaning of the copyright act. Perhaps the lectures given to a class of students or a paper read before a scientific society are not made public. But if so, according to this decision, they could be reported and published by anyone, and the report copyrighted, so that not even the author himself could use it.

Nature states that the Botanical Museum of Florence has recently received a donation of considerable interest in connection with the history of botany in Italy, viz, the collections made by Micheli, by Bruno Tozzi, and by G. Targioni-Tozzetti in the 18th century, including the type-specimens of species named by these and other eminent botanists. The donation includes also Micheli's and Targioni-Tozzetti's collections of seaweeds.

THE Commercial Cable Company's new cable from the Azores to New York, via Nova Scotia, has been successfully laid by the cable steamers *Faraday* and *Silvertown* and is now completed and in working order. This line, which forms the Commercial Company's fourth Atlantic cable, connects at the Azores with the system of the Europe and Azores Telegraph Company and was opened for business on August 1st.

THE 'Two-Penny Tube,' as the Central Electric Underground System of London has been named, as constructed and equipped by American contractors, is making a great impression with its bright, porcelain-lined, electric-lighted, cleanly stations, brightly illuminated carriages and smooth and rapid service. The indications are that suburban transportation in Great Britain and on the Continent will be revolutionized by American methods.

WE take from *Nature* the following items: Mr. Leonard S. Loat, who is investigating the fishes of Egypt for the British Museum and the Egyptian Government, was last heard of at Korti, where he reports (on May 18th) a hot wind and a temperature of 115° in the shade. He had sent home upwards of 2200 specimens of Nile-fishes to the Natural History Museum, and as soon as the river had risen sufficiently would

proceed to Senaar and Khartoum. Mr. J. S. Budgett, who is engaged in collecting fishes on the River Gambia, dates his last letters (June 22d) McCarthy's Island in the interior. There had been a disturbance in the colony, and one of the Commissioners and a party of police were believed to have lost their lives; but this had not affected Mr. Budgett's operations, and he had a large number of Polypteri and Protopteri in floating cages in the river. He was in good health, and expected to be home in September.

AT the recent annual meeting of the Victoria Institute, the address, 'On our Coal Reserves at the Close of the Nineteenth Century,' was given by Professor Edward Hall, F.R.S. The author had selected this subject for the annual address, because public attention had recently been directed to the question of coal reserves, owing chiefly to the increased price of coal and to the unprecedented output of this mineral from British mines, amounting in 1899 to 220,085,000 tons, being about 18,000,000 tons over that of the previous year. Referring to the Royal Coal Commission of 1866, presided over by the late Duke of Argyll, the author stated that the production had doubled since the Report of that Commission was issued in 1870—a result scarcely anticipated by the Commissioners—and the public were inquiring 'for how long a period our coal reserves would be able to bear the increasing drain.' The author advocated the imposition of an export duty on coal shipped to Continental states, which were taking from us about 40,000,000 tons annually, so as to form a fund towards the relief of increasing taxation, and he concluded by the proposal for a new Commission on coal resources, showing the subjects which would require investigation.

UNIVERSITY AND EDUCATIONAL NEWS.

THREE scholarships in music have been endowed in Yale University by Mr. Morris F. Steinert. Mr. Steinert has already endowed four scholarships in music at this institution, and has given it an important collection of musical instruments.

A GIFT of £1000 has been received by the University of London from the children of the

late Mr. William Lindley, in remembrance of their father.

THE following additions have been made to the faculty of the engineering departments of the Iowa State College at Ames, Iowa: H. J. Burt (University of Illinois), assistant professor of civil engineering; Dr. Samphear (Cornell University), assistant professor of electrical engineering; L. J. Young (State College, Pa.), instructor in mining engineering, and I. A. Williams (Iowa State College and University of Ohio), instructor in ceramics.

THE Montana School of Mines, at Butte, will begin its college year on the second Tuesday of September. A serious lack of funds has delayed the successful opening of the school for some time, but it is now hoped that the institution can open and offer the courses of study which its organizers have carefully arranged. The present faculty includes Nathan R. Leonard, acting president, and professor of mathematics, recently of the State University of Iowa; William King, professor of chemistry and metallurgy, a graduate of the Western Reserve University, and for sixteen years instructor in chemistry in the Case School of Applied Sciences in Cleveland and for two years in the College of Montana at Deer Lodge; and Dr. Chas. H. Bowman, professor of mechanics and mining engineering.

DR. W. D. SCOTT, Ph.D. (Leipzig), has been appointed to a newly created instructorship in psychology and pedagogy in Northwestern University.

DR. NAGEL, docent in physiology in the University at Freiburg, i. B., has been promoted to an assistant professorship, and Dr. Ernst Weinschenk to an assistant professorship of petrography in the University of Munich.

DR. KARL BOEHM has qualified as docent in mathematics in the University of Heidelberg, and Dr. P. Rabe as docent in chemistry in the University at Jena.

DR. LE DANTEC, professor in the medical faculty of Bordeaux, has been appointed to give a course of instruction in tropical diseases. In Holland the teaching of tropical medicine has recently been inaugurated by Dr. J. H. Kohlbrugge, docent in the University of Utrecht.