

To all this must be added the influence of his personality. His thorough scholarship and his great modesty, his unwavering truthfulness and sound judgment, with his genuine deference for the opinions of others, his dignity of character and kindness of heart, and his manliness united with his gentleness, all conspired to make him a great intellectual and moral force, a noble example of high thinking and of simple life, throughout all branches of the University and wherever he was known.

Speaking for themselves and for the bodies which they represent, the members of the Council desire to enter on the records of the Council this minute, expressing their appreciation of the great merit of their colleague and their sense of the great loss which they individually, and the University as a whole, have sustained in the death of Professor Richmond Mayo-Smith.

#### SCIENTIFIC NOTES AND NEWS.

SECTION H (Anthropology) of the American Association for the Advancement of Science will hold its winter meeting at the Field Columbian Museum, Chicago, on Tuesday and Wednesday, December 31 and January 1, 1901-2. Members of the section who wish to present papers will please inform the Secretary, Mr. George Grant MacCurdy, Yale University, New Haven, Conn. Hotel del Prado, Midway Plaisance, will be the headquarters of the Section.

The completion of fifty years since M. Berthelot began the teaching of chemistry at the Collège de France was celebrated on November 24. Addresses were made by scientific and public men, and a gold medallion was presented by President Loubet.

ARRANGEMENTS have been made to present the eminent French surgeon, M. Odilon-Marc Lannelongue, with a gold medal in celebration of his scientific jubilee.

THE Royal Society's medals will this year be awarded as follows: The Copley Medal to Professor J. Willard Gibbs, Yale University, For. Mem. R.S., for his contributions to mathematical physics; a Royal Medal to Professor William Edward Ayrton, F.R.S., for his contributions to electrical science; a Royal Medal to Dr. William Thomas Blanford, F.R.S., for

his work in connection with the geographical distribution of animals; the Davy Medal to Professor George Downing Liveing, F.R.S., for his contributions to spectroscopy; and the Sylvester Medal to Professor Henri Poincaré, For. Mem. R.S., for his contributions to mathematical science.

IN celebration of the hundred and fifteenth anniversary of its foundation, the Göttingen Academy of Sciences has made the following elections: Honorary members: Professors Abbe (Jena) and Neumayer (Hamburg); non resident members: W. Waldeyer (Berlin), Gaston Darboux (Paris), W. Zittel (Munich) and J. Wislicenus (Leipzig); corresponding members: Aurelius Voss (Würzburg), Hugo Seeliger (Munich), Max Planck (Berlin), Karl Runge (Hanover), Arthur Schuster (Manchester), Swante Arrhenius (Stockholm), Giovanni Ciamician (Bologna), Emil Fischer (Berlin), Wilhelm Ostwald (Leipzig), Walther Spring (Liège), Hermann Minkowski (Zurich), Charles Barrois (Lille), Lazarus Fletcher (London), Michel Levy (Paris), Victor Uhlig (Vienna), Friedrich v. Recklinghausen (Strassburg), Karl Chun (Leipzig), Giov. Batt. Grassi (Rome), Herbert Ludwig (Bonn), Edmond Perrier (Paris).

DR. SMITH ELY JELLIFFE has been appointed visiting neurologist to the New York Hospital, the position having been made vacant by the resignation of Dr. Frederick Peterson, recently appointed Commissioner in Lunacy.

DR. TARLETON H. BEAN has been recommended by the Fish and Fisheries Committee of the St. Louis Exposition as chief of that department.

THE lectureship in connection with the California Philosophical Union for the current year has been offered to, and accepted by, Professor R. M. Wenley, of the University of Michigan.

DR. CHARLES HERTY, adjunct professor in chemistry at the University of Georgia, has resigned in order to accept a position in the United States Department of Agriculture.

DR. NICHOLAS SENN, professor of surgery in the Rush Medical College of the University of Chicago, has returned home from a tour of the world, which included a trip across Siberia, *via* the new Russian railroad.

MR. JOSEPH W. T. DUVEL, who is holding for the third time the Ferry Fellowship in botany at the University of Michigan, spent the summer and fall in Europe, inspecting the several botanical experiment stations. He is again carrying on research work on the conditions affecting the germination of seeds, in the botanical laboratory of the University of Michigan.

DR. WILLIAM R. HARPER, president of the University of Chicago, has accepted the directorship of the educational congresses to be held in connection with the World's Fair in St. Louis.

MR. JOHN HYDE has resigned the editorship-in-chief of the *National Geographic Magazine*, which he has held since 1895, with a view to devoting so much of his time as is not occupied with his exacting duties as statistician of the U. S. Department of Agriculture to work in a much-neglected branch of economic science.

DR. REMLINGER, director of the Antirabic Institute at Constantinople, has been appointed chief of the Imperial Bacteriological Institute, replacing Professor Nicolle. Dr. Remlinger will continue also to hold his former post.

MR. ALFRED L. JONES, the originator of the School of Tropical Medicine at Liverpool, has been made a Knight Commander of the Order of St. Michael and St. George.

MR. WILLIAM MARCONI left London on November 25, for Newfoundland, where he will select sites for the erection of stations for his system of wireless telegraphy.

THE Berlin Academy of Sciences has made an appropriation of 3,000 Marks to Dr. Blanco for a continuation of his geological investigations, and of 1,500 Marks to Professor Boveri for investigations on the fertilization and early development of the egg.

WE regret to announce the death of the eminent magnetist, Professor Max Eschenhagen, at the age of 43 years. He has been in charge of the Royal Prussian Magnetic Observatory since its establishment in 1899, and he took a very active part in the planning of the magnetic work of the German Antarctic expedition and in arranging the international work to be carried out simultaneously over the entire globe during the period of the expeditions. His contributions to terrestrial magnetism are numer-

ous, his skill exhibiting itself especially in the improvement of magnetic instruments and in the designing of new ones. His light, convenient, portable magnetographs will be extensively used in the international work.

THE death is announced at the age of 59 years of Mr. A. H. Smee, author of valuable contributions to chemistry and physiology. He was the principal medical adviser of the Gresham Life Assurance Society, and his statistical reports on rates of mortality are standard authorities.

THE archeological field work, conducted in central New Brunswick during the past summer by Mr. Samuel W. Kain, yielded good results, but owing to Mr. Kain's ill health the report will not be published for some time.

THE Imperial Academy of Sciences of Vienna has received, according to *Nature*, intelligence of the botanical expedition in Brazil, from its chief, Professor R. von Waldheim, down to September 10, from São Paulo. The rivers Rio Branco, Rio Mambu and Rio Aguapihy, flowing through an almost unexplored country, had been navigated in canoes; and large consignments have already been sent to Vienna in the form of living plants and roots, herbarium specimens, preparations in spirit, woods, fruits and economic products.

REUTER'S AGENCY reports from St. Petersburg that uneasiness is no longer felt regarding the fate of the scientific expedition under Lieutenant Kozloff, which was reported some time ago to have been massacred by a band of Tibetans, as news has been received stating that the expedition left Si-ning-fu, which is near Lake Kokonor, on September 12, for Fushar. The expedition was escorted by Chinese soldiers, and further news has been received from the Russian Consul at Chuguchak, who had been informed by local authorities that the party had passed through Jan-lan and Datum.

THE Royal Geographical Society of Antwerp announces an exposition to be opened in that city in May next. The object is to popularize geographical sciences, to make those countries recently opened to commercial activity better known, and to contribute to the development of the mercantile marine and of maritime enter-

prises. There will be a section devoted to ancient and modern maps and globes, surveying instruments, etc., which will comprise also meteorological and ocean-sounding apparatus. The committee proposes to assemble important ethnographical collections, in view of the interest taken in them by the public in regard to trans-oceanic enterprises. The participation of the Kongo Free State will largely contribute to the success of this section. Besides the colonial section, there will be a department devoted to everything relating to the progress of navigation. Models of ships and of great maritime works, improvements in the art of navigation, and trophies of voyages of exploration will be exhibited. It is desired to give to the exhibition an international character.

THE subject for the Spendiaroff prize of the International Geological Congress for 1893 is a critical review of methods of classifying minerals. Two copies of the paper must be sent before the next congress to the secretary of the last congress, M. Charles Barrois, 62 Boulevard, Saint-Michel, Paris. The value of the prize is about \$225.

THE November meeting of the Faculty Science Club of Wellesley College was addressed by Professor Cummings of the department of botany, to whom the lichens of the Harriman Alaskan Expedition were sent for identification. She showed on the map the region covered by this and former collecting parties, and stated that among the thousand specimens put into her hands three new species had been found and 76 not before known in Alaska.

*The Botanical Gazette* states that the herbarium of Theodor von Heldreich, professor of botany and director of the Botanic Gardens, Athens, is for sale. It contains approximately 20,000 species, and richly represents the floras of Greece, Asia Minor and Egypt. It contains also hundreds of types and authentic specimens of new species, described by Heldreich in the works of Bossier.

By the will of the late Mrs. Charles E. Balch, of Manchester, N. H., the Manchester Institute of Arts and Sciences of that city is a beneficiary to the extent of \$50,000, in securities and real estate to the value of about \$30,000. The will provides that the bequest is to be ap-

plied to the purposes of the Fine Arts section of the Institute.

A COLLECTION of butterflies, containing over 5,000 specimens, has been given to the Art Gallery of the Plainfield, N. J., Public Library by Mr. Alexander Gilbert.

THE National Educational Association will hold its next annual meeting in Indianapolis, beginning on July 7.

THE twenty-second annual exhibition of the New York Microscopical Society will be held on the evening of December 6, at the rooms of the Society in the Mott Memorial Building, 64 Madison Avenue. The exhibition will be open to the public, but cards of admission will be necessary. These will be sent to those who apply by letter to Dr. George W. Kosmak, 23 East Ninety-third Street.

THE Imperial Leopold Caroline Academy of Sciences at Halle will celebrate the one hundred and fiftieth anniversary of its foundation on January 1, 1902.

As the result of a meeting held at Frankfort, under the presidency of Professor Edinger and addressed by Professor Hagen, it was decided to establish in that city a branch of the German Anthropological Society.

It has been previously announced in these columns that the *Botanische Centralblatt* has become the property of the Association Internationale des Botanistes. Arrangements for its transfer to the Association have been completed, and it will be published at Leyden beginning January 1, 1902, under the direction of an editor-in-chief appointed by the Association. Arrangements have been made for the appointment of a board of special editors in England, America and France, and reviews will henceforth be published in English, French and German. Beginning with the first of January, 1902, the *Centralblatt* will be sent gratis to all members of the Association. The annual fee for members is 25 shillings. The number of representatives on the general committee of the Association to which any country is entitled depends on the number of members living in that country. The names of previous subscribers to the *Centralblatt* are of course known to the editors in cases where the subscriptions were taken in the

subscribers' own names, but where copies were ordered through book sellers or other agents the subscribers' names or even the countries in which they reside are not known. In order, therefore, that the editors may be enabled to know the exact number of members residing in this country and thus ascertain the number of representatives on the committee to which we are proportionally entitled, all desiring to join the Association who have not already registered as members should send their names at once to the Secretary, Dr. J. P. Lotsy, care of E. J. Brill, Leyden, Holland. Any person may join the Association, and institutions, such as colleges, libraries, etc., are eligible to membership and can, by joining the Association, receive the *Centralblatt* on the same terms as private individuals. The subscription price of the *Centralblatt* to non-members of the Association is 28 shillings.

THE United States Coast and Geodetic Survey will have on January 1, 1902, four magnetic observatories cooperating in the international magnetic work to begin on that date and to continue during the period of antarctic exploration, viz: one at Cheltenham, Md., near Washington, D. C., another at Baldwin near Lawrence, Kansas, a third at Sitka, Alaska, and a fourth near Honolulu, Hawaiian Islands.

THE Göttingen Academy of Sciences has decided to establish and maintain at its own expense, during the period of the special international magnetic work, a magnetic observatory near Apia, in the Samoan Islands. The observatory will be equipped for observations in terrestrial magnetism, atmospheric electricity, meteorology and seismology. This observatory will be nearly magnetically south of the Honolulu observatory and about the same distance south of the magnetic equator as the latter is north of it. The two observatories will likewise use practically the same instruments and methods, so that interesting and valuable contributions may be expected from them. Mr. A. Nippoldt, of the Potsdam Observatory, will be in charge of the Samoan Observatory.

#### UNIVERSITY AND EDUCATIONAL NEWS.

MR. F. A. SAMPSON, of Sedalia, Mo., has presented to the University of Missouri his library

of Missouriiana, a collection which is valued at \$25,000, and Professor Litton, formerly of Washington University, St. Louis, who died recently, bequeathed to the University a valuable collection of scientific apparatus and books.

THE sum of \$1,200 has been pledged with which to purchase books for an alcove in chemistry at Cornell College, Mount Vernon, Iowa.

It is stated in the New York *Evening Post* that it has been decided by the alumnae of Wellesley College to use certain funds in hand for an oil portrait of Helen A. Shafer, professor of mathematics in the college from 1877 to 1888, and president from 1888 to 1894, and for the purchase of books, models and other permanent equipment for the department of pure mathematics; and, in addition, to establish a fund of \$2,000 to be turned over to the trustees and invested by them as the Shafer Memorial Fund, the interest to be expended for the benefit of the above department.

THE trustees of Clark University, at Worcester, Mass., have voted to establish a collegiate department in accordance with the will of the late Jonas Clark. E. Harlow Russell, principal of the State Normal School at Worcester, has been selected for president of the department, which is to come into operation in October, 1902.

MR. REGINALD GORDON, instructor in physics in Columbia University, has resigned to enter a mercantile business. His place will be taken by H. C. Parker, now a tutor in physics, and Mr. Parker's tutorship will be filled by G. B. Pegram, now an assistant.

MR. H. O. JONES, Clare College, Cambridge, has been appointed Jacksonian demonstrator in chemistry in place of the late Mr. W. T. N. Spivey.

MR. H. S. DAVIS, graduate student in zoology at Harvard University, has been appointed instructor in vertebrate zoology at the Washington Agricultural Experiment Station, Pullman, Washington.

PROFESSOR PAUL KAUFMANN has resigned the chair of pathology in the University of Missouri.