

1900, for the successive lustra between 1885 and 1900, and the observations made at 52 stations of the second order during 1900. There are now 395 rainfall stations in Roumania. An index of the publications of the Roumanian Meteorological Institute from 1885 to 1903, comprising 31 octavo pages, offers the best of evidence as to the scientific activities of this institution.

R. DEC. WARD.

ERWIN E. EWELL.

ERWIN E. EWELL, lately first assistant chemist of the U. S. Department of Agriculture and more recently representative of the German Kali Syndicate in the Southern States with headquarters at Atlanta, Georgia, died in New Orleans, La., on February 7, after a brief but severe attack of gripe and rheumatism, followed by typhoid fever.

Mr. Ewell was born in Washington, Michigan, in 1867. His education was secured entirely through his own exertions since, through the death of his father, he was at an early age thrown entirely upon his own resources. He was graduated from the University of Michigan in 1890 and in the same year entered into the service of the Bureau of Chemistry of the Department of Agriculture. His efficiency led to his advancement to the position of principal assistant chemist of the department, and he contributed very largely to the success of the bureau. He was greatly interested in standards of measurements, was chairman of the committee of the American Chemical Society to secure better uniformity and accuracy in the standards in use and he was active in promoting the movement which finally led to the establishment of the bureau of standards. In 1903 he entered the service of the German Kali Syndicate and had begun with his characteristic energy and enthusiasm the presentation of the importance of potash salts in the nutrition of farm crops.

The many warm friends of Mr. Ewell will find in his death a serious personal loss and the scientific world will miss one of its most effective workers.

SCIENTIFIC NOTES AND NEWS.

THE summer meeting of the American Chemical Society will be held at Providence, R. I., June 21-23.

THE Alumni Association of the School of Applied Science of Columbia University has arranged to have painted a portrait of Dr. Charles F. Chandler, head of the Department of Chemistry. The portrait will be presented at the sesquicentennial celebration in October, when Dr. Chandler will have been for forty years professor of chemistry at the university.

THE alumni of the engineering department of the University of Michigan, now resident in Chicago and vicinity, have presented to the university a portrait in oil of the late Professor Charles E. Greene, dean of the engineering department from its organization until his death.

PROFESSOR W. OSTWALD gave the Faraday lecture of the Chemical Society at the Royal Institution, London, on April 19. At the close of the lecture he was presented with a medal bearing the image of Faraday, which had been specially struck for the occasion.

PROFESSOR L. V. KELLOGG, of the Department of Entomology of Stanford University, has been elected a member of Société Entomologique de France.

M. GUICHARD has been elected a member of the Paris Academy of Sciences in the section of geometry.

THE University of Glasgow has conferred its Doctorate of Laws on Professor Mendelejev, the eminent chemist.

AMONG the distinguished lecturers at the summer session of the University of California, which begins on June 27, are Professor Svante A. Arrhenius, of the University of Stockholm; Professor Hugo De Vries, of the University of Amsterdam; Sir William Ramsay, of University College, London, and Professor James Ward, of the University of Cambridge.

PROFESSOR RUSSELL H. CHITTENDEN, director of the Sheffield Scientific School, Yale University, on April 29, tendered a banquet in honor of Dr. C. S. Sherrington, professor of physiology in the University of Liverpool, who

is delivering the Silliman lectures at Yale. There were twenty guests, including President Hadley, Yale; Professors Bowditch and Porter, Harvard; Dr. Graham Lusk, New York; Dr. Frederic S. Lee, Columbia; Professor Reichert, Pennsylvania; Dr. Francis Bacon, New Haven; Professor Dunham, New York; Dr. W. H. Carmalt, New Haven; Professor L. B. Mendel, Yale; Dr. Otto G. Ramsay, Yale; Professor Abbott, Pennsylvania; Dr. J. P. C. Foster, New Haven; Professor Yandell Henderson, Yale; Dean Herbert E. Smith, of the Yale Medical School; Mr. Horace Fletcher, Venice, and Dr. Sherrington.

CAPTAIN BERNIER, who is going out in charge of the Canadian Arctic expedition, was among the passengers by the steamship *Kaiser Wilhelm II.* which arrived at Plymouth on April 18. He was accompanied by 24 of his crew, and went on in the ship to Bremen, whence they will navigate the German ship *Gauss*, which has been purchased by the Canadian government.

DR. JOHN M. MACFARLANE, professor of botany at the University of Pennsylvania, has been granted a four months' leave of absence to make botanical investigations in England, Italy and Switzerland.

ASSISTANT PROFESSOR HERBERT N. MCCOY, of the Department of Chemistry of the University of Chicago, has gone abroad to visit German laboratories.

PROFESSOR G. J. PEIRCE, of Stanford University, intends to spend June and July with Professor Pfeffer in the laboratory of plant physiology at Leipzig. He will attend the meeting of the British Association for the Advancement of Science at Cambridge and will spend October and November at the Marine Biological Station at Naples, where he will occupy one of the tables maintained by the Carnegie Institution.

PROFESSOR GILBERT D. HARRIS, of the department of geology of Cornell University, spent the winter months in Louisiana as geologist of the state survey, exploring and mapping the oil regions.

PROFESSOR W. J. KENNEDY, chief of the department of animal husbandry at the Iowa

State College of Agriculture, has been commissioned by the Department of Agriculture to spend a year in Europe studying the live stock industry in various countries.

M. HAMY, professor of anthropology at the Paris Museum of Natural History, has been given leave of absence for the year 1904. His courses will be given by M. Verneau.

MR. A. G. RUTHVEN, of the Zoological Department of the University of Michigan, is making a special study of the North American species of garter snakes (*Eutænia*), and wishes to receive specimens in large numbers from all parts of North America. Collections of these snakes will be determined for duplicates. Directions for the collection, preservation and shipment may be secured upon application to the above address.

MR. L. B. ELLIOTT, who completed his studies at the University of Iowa in 1892 under the personal direction of Professors Calvin and MacBride, and who has since that time been connected with the Bausch & Lomb Optical Company, Rochester, N. Y., and editor of the *Journal of Applied Microscopy and Laboratory Methods* since its beginning in 1898 until its recent discontinuance, has severed his connection with that company to accept a position with the T. B. Dunn Company, of Rochester, N. Y. Mr. Elliott will continue his private work in laboratory photography and biology as heretofore. His address is 17 Birr Street, Rochester, N. Y.

MR. CHARLES F. TOWNSEND, director of the New York Aquarium, gave the tenth lecture in the course before the College of the City of New York on April 29, his subject being 'The Depths of the Sea.'

At the annual graduation ceremonial of the University of Glasgow, on April 18, a medalion bearing a bas-relief of John Young, professor of natural history and keeper of the Hunterian Museum from 1856 to 1892, was presented to the university.

PRESIDENT SCHURMAN, of Cornell University, will give an address in memory of Herbert Spencer, on Sunday, May 7.

THE Institute of France has appropriated 10,000 francs from the income of the fund left

by M. Debrousse for the publication of the works of Leibnitz.

SIR CLEMENT NEVE FOSTER, F.R.S., professor of mining in the Royal College of Mining, London, died on April 19, aged fifty-three years.

F. J. WELLS, assistant professor of agricultural physics in the college of agriculture of the University of Wisconsin, died on March 1.

GEORGE A. MARTIN, editor of the *New England Farmer* and a well-known writer on agricultural topics, died at his home in Brattleboro, Vt., on April 16, aged seventy-three.

DR. CHARLES SORET, formerly professor of experimental physics at Geneva, died on April 5, at the age of fifty years.

DR. ANDREW PEEBLES AITKEN, professor of chemistry and toxicology, in the Royal Veterinary College, Edinburgh, died on April 17. He received the M.A. degree from Edinburgh in 1867.

THE American Geographical Society has received a bequest of \$30,000 from Sarah M. de Vaugrigneuse.

THE Department of Conchology of the American Museum of Natural History has received as a gift from Mr. Albert H. Storer, of New York, the valuable collection of shells which was made by his father.

M. J. J. SIEGFRIED has given to the Institute of France the Castle of Langeais, with the sum of 100,000 francs for the costs of installation and an endowment yielding an income of 10,000 francs for its support.

THE Association of American Agricultural Colleges and Experiment Stations will meet during the week beginning October 30, probably at Des Moines, Ia.

ENGINEER BROUSNEFF, who was sent out in the spring of 1903 by the Imperial Academy of Sciences, at St. Petersburg, in company with Lieutenant Kolchak and a number of experienced Yakuts, towards New Siberia and Bennett Island, to search for the Polar expedition headed by Baron E. Toll, has returned without results. The academy has issued the following notice: Baron Edward

Toll, chief of the polar expedition sent out by the Academy of Sciences, left the Bennett Island, lying north of New Siberia, on October 26 (November 8), 1902, taking a southern direction. He was accompanied by the astronomer Seeberg and two Yakuts. The party seems to have been carried away by the ice. As the researches hitherto made have been in vain, a reward of 5,000 roubles (about \$2,500) is offered by the Academy of Sciences for finding the whole expedition party, or any part of it, and a reward of 2,500 roubles for giving the first exact indications of tracing the party.

THE director-in-chief and other members of the staff of the New York Botanical Garden will be pleased to receive members and their friends at the grounds in Bronx Park on every Saturday in May and June. The train leaves Grand Central Station at 2:35 P.M., for Bronx Park, returning at 5:32 P.M. Opportunity will be given for inspection of the museums, laboratories, library and herbarium, the public conservatories, the herbaceous collection, the hemlock forest, and parts of the arboretum. The walk planned will be a little over a mile. Lectures will be delivered in the lecture hall of the museum building at 4:30 o'clock, as follows:

April 30.—'Japan, the Land of Lacquer and Bamboo,' by Dr. C. F. Millspaugh.

May 7.—'The Form, Habits and Relationships of the Cactuses,' by Dr. N. L. Britton.

May 14.—'The Vegetation of the Delta of the Colorado River, and of Baja California,' by Dr. D. T. MacDougal.

May 21.—'Explorations on the Yukon River, Alaska,' by Dr. Arthur Hollick.

May 28.—'Arctic and Alpine Plants,' by Professor F. E. Lloyd.

June 4.—'Carnivorous Plants,' by Professor H. M. Richards.

THE U. S. Geological Survey completed the twenty-fifth year of its existence on March 3, 1904. The quarter-century anniversary happened to fall near the date set for the opening of the Louisiana Purchase Exposition at St. Louis, at which the survey will make an exhibit. It is hoped that this exhibit will increase the popular interest in the survey, and in this connection it has been thought

desirable to place before the public, by means of a small bulletin, an account of its organization and work and the results it has achieved. Copies of this bulletin will be distributed at St. Louis and other copies may be obtained by application to the director of the U. S. Geological Survey, Washington, D. C. The bulletin, which is No. 227 of the survey series, is entitled, 'The United States Geological Survey: Its Origin, Development, Organization and Operations.'

UNIVERSITY AND EDUCATIONAL NEWS.

THE Ohio legislature has appropriated for the next biennial period for the Ohio State University the following amounts:

Current expenses	\$635,000
New chemical building	100,000
Ceramic and mining building.....	85,000
College of Agriculture.....	75,000
Equipment of chemistry and physics buildings	25,000
Emergency fund	15,000
Total	\$935,000

This is about 50 per cent. increase over the largest preceding appropriation. The university has other sources of income which will yield approximately \$200,000 for the biennial period.

THE will of the late A. C. Hutchinson, according to which the Medical College of Tulane University receives nearly \$1,000,000, has been sustained by the Supreme Court of the state of Louisiana.

NEW YORK UNIVERSITY has received an anonymous gift of \$12,500 for the Medical College.

THE reorganized Board of Regents having charge of the educational affairs of the State of New York held its first meeting at Albany on April 28 when Dr. Whitelaw Reid was elected chancellor. The following appointments were announced: *First Assistant Commissioner*, Howard J. Rogers, Albany; *Second Assistant Commissioner*, Edward J. Goodwin, New York City; *Third Assistant Commissioner*, Augustus S. Downing, New York City; *Director of Libraries*, Melvil Dewey, Albany.

A 'JOINT Announcement of Field Courses in Geology,' for the summer of 1904, has lately

been issued by several universities, with the object of placing concisely before American students the opportunities for practical study of this science in different parts of the country. Fifteen universities were invited to take part in the announcement: four responded with statement of courses for the current year; others stated that they would probably co-operate in the plan of joint announcement if it were repeated in 1905. Chicago and Harvard each offer four courses; five courses in the Rocky Mountain region, two in the upper Mississippi Valley, and one in New York State. Johns Hopkins gives opportunity for professional work in connection with the Geological Survey of Michigan. Columbia has a brief spring course, limited to her own students. Scholarships are available in connection with some of the courses. The circular can be had on application to the geological department of any of the universities concerned.

DR. BARTON WARREN EVERMANN, assistant in charge of scientific inquiry in the U. S. Bureau of Fisheries, has been asked to give a course of lectures on fish culture and game protection to the seniors of the College of Forestry of Yale University. The course will consist of lectures and field work and will be given during the fortnight beginning May 9, at Milford, Pa., where the class will be engaged in field studies.

THERE will be a vacant instructorship in physics at Purdue University next June. The salary for the first year will be eight hundred dollars.

DR. JOHN DEWEY, of the University of Chicago, has been elected professor of philosophy at Columbia University.

DR. CHARLES R. BARDEEN, associate professor of anatomy at the Johns Hopkins University, has accepted the chair of anatomy at the University of Wisconsin.

ASSISTANT PROFESSOR VICTOR LENHER, Charles Elwood Mendenhall and William Swan Miller, of the University of Wisconsin, were made associate professors by the action of the regents of the university at their April meeting.