

but yields a fruit of great excellence. We are assured that this variety can be grown in the Salton Basin, California.

WOODY PLANTS IN WINTER.

K. M. WIEGAND and F. W. Foxworthy, of Cornell University, have published a handy pamphlet which should be very useful to foresters, horticulturists, schoolteachers and others who do not have such an intimate personal acquaintance with trees and shrubs as will enable them to recognize them in their winter condition. By means of carefully made keys the genus of any woody plant, native or planted in the state of New York, may be determined with a good deal of certainty. The authors hope to bring out later a similar set of keys to the species.

DOCTOR AUGUSTIN GATTINGER, BOTANIST.

BORN in Munich, Germany, in 1825, educated in the Gymnasium and University of Munich, emigrated to Tennessee when twenty-four years of age, practised medicine and studied the flora of Tennessee for many years, published 'Trees and Shrubbery Adapted to the Soil and Climate of Nashville' (1878), 'Tennessee Marbles' (1883), 'Botanical Fragments' (1884), 'The Tennessee Flora' (1887), 'The Medicinal Plants of Tennessee' (1894), 'The Flora of Tennessee' (1901), died in his home in Nashville, July 18, 1903. Such is the brief summary of the life of a pleasant, genial, industrious man who loved plants, and studied them because he loved them.

In the *American Historical Magazine* for April, 1904, there appeared a sympathetic biographical sketch (28 pp.) of the life of Dr. Gattinger, by Robert A. Halley, accompanied with a fine portrait. This has been printed separately for distribution among botanical and other friends. CHARLES E. BESSEY.

SCIENTIFIC NOTES AND NEWS.

THE University of Toronto conferred, on May 27, the honorary degree of LL.D. upon President Harper, of the University of Chicago; Professor Minot, of Harvard Univer-

sity; Professor Saunders, of the Dominion Experimental Farm, Ottawa; Mr. W. S. King, Dominion astronomer, and his assistant, Mr. Otto Klotz; and Captain Deville, surveyor-general, Ottawa.

CAMBRIDGE UNIVERSITY conferred, on May 28, the following doctorates of science: Hendricus Gerardus van de Sande Bakhuisen, president of the Royal Academy of Sciences, Amsterdam, professor of astronomy in the University of Leiden; Andrej Sergejevich Famintsyn, member of the Imperial Academy of Sciences of St. Petersburg; Edmund Mojsisovics, Edler von Mojsvár, member of the Imperial Academy of Sciences, Vienna; Gustav Retzius, member of the Royal Swedish Academy of Sciences, emeritus professor of anatomy in the University of Stockholm; Eduard Riecke, member of the Royal Academy of Sciences, Göttingen, professor of physics in the University of Göttingen; Wilhelm Waldeyer, secretary of the Royal Prussian Academy of Sciences, Berlin, professor of anatomy in the University of Berlin.

THE senate of the Royal University of Ireland has resolved to confer, *honoris causa*, the degree of doctor of science on Sir William Crookes, F.R.S., and on Professor James Dewar, F.R.S.

A COMPLIMENTARY dinner was given on May 16 in London to Major-General E. R. Festing, C.B., F.R.S., upon his retirement from the post of director of the science division of the Victoria and Albert Museum.

PROFESSOR R. S. WOODWARD, dean of the faculty of pure science, will be the delegate from Columbia University at the celebration of the fiftieth anniversary of the founding of the University of Wisconsin, on June 5 to 9.

DR. L. O. HOWARD, chief entomologist of the Department of Agriculture and permanent secretary of the American Association, has returned to Washington after investigations in the southern states and Mexico.

PROFESSOR R. W. WOOD, professor of experimental physics at the Johns Hopkins University, has gone to Europe, where he will carry on investigations during the summer.

DR. J. B. JOHNSTON, professor of zoology at West Virginia University, has been granted leave of absence for the year 1904-05. He will spend July and August at the Bermuda Biological Station, from September 1 to March 1 at the Naples Zoological Station, and the remainder of the time in Germany. At Naples he will occupy the Smithsonian table.

PRESIDENT ANDREW D. WHITE is expected to return to America in time for the commencement exercises of Cornell University.

MR. AUSTIN H. CLARK, of Boston, who is now on a collecting trip among the less-known islands of the British West Indies, has been elected a fellow of the Royal Geographical Society of London.

THE Carnegie Institution has made a grant to Mr. A. F. Blakesley, of Harvard University, to enable him to spend next year abroad continuing his investigations in mycology. He will leave after the close of the Harvard Summer School.

It is announced that Mr. Marconi will return to Cape Breton early in June to conduct the trans-Atlantic wireless service.

THE following provisional program of evening lectures at the Marine Biological Laboratory, Woods Hole, Mass., has been arranged. Other lectures will be announced later.

July 2. Mr. Lynds Jones. 'The Migrations of Birds.'

July 5. Professor Jacob Reighard. 'The Breeding Habits and Secondary Sexual Characters of some Brook Fishes.'

July 7. Professor A. D. Mead. 'The Houseboat as a Biological Laboratory.'

July 11. Professor E. P. Lyon. 'Physiological Rhythms in Cleavage.'

July 15. Professor A. P. Mathews. 'The Physical Basis of some Vital Phenomena.'

July 20. Professor C. O. Whitman. 'The Evolution of Color Pattern.'

July 29. Dr. R. M. Yerkes. 'Automatism and Intelligence in Frogs.'

August 1. Dr. R. M. Strong. 'The Colors of Birds.'

August 3. Dr. Theo. N. Gill. 'The History of the Ichthyology of Massachusetts.'

DR. G. S. HUNTINGTON, professor of anatomy in the College of Physicians and Sur-

geons, Columbia University, will give the Shattuck lecture before the Massachusetts Medical Society, on June 7.

ACCORDING to the program, lectures were to be given before the Royal Institution as follows: On May 24 Mr. H. F. Newall began a course of two lectures on the Solar Corona; on May 26, Mr. N. G. Wells delivered the first of two lectures on Literature and the State; on May 28, Sir Martin Conway began a course of two lectures on Spitzbergen in the seventeenth century. The Friday evening discourse on May 27 was delivered by the Prince of Monaco on the Progress of Oceanography; and on June 3 Professor Svante Arrhenius lectured on the Development of the Theory of Electrolytic Dissociation.

DR. GEORGE OLIVER, a fellow of the Royal College of Physicians, London, has presented to the college the sum of \$10,000 in trust for the endowment of a lectureship or prize to be called the Oliver-Sharpey Lectureship or Prize, in memory of the late William Sharpey, F.R.S., professor of physiology in University College, London.

PROFESSOR WILLIAM HENRY PETTEE, professor of mineralogy, economic geology and mining at the University of Michigan since 1875, died suddenly at Ann Arbor on May 26. He was born in 1838, graduated from Harvard in 1861 and studied subsequently for three years in the Royal Saxon Academy of Mines. He was assistant in chemistry and instructor in mineralogy at Harvard University for four years and went to the University of Michigan in 1871 as assistant professor. He was a fellow and, in 1887, general secretary of the American Association; a member and, in 1880, vice-president of the American Institute of Electrical Engineers, and a member of the Geological and Philosophical Societies.

THE death is announced of Wilhelm von Siemens, a member of the eminent family which has contributed so much to the advancement of electrical science and himself an able inventor.

THERE will be a civil service examination, on June 22, to fill a vacancy in the position

of assistant chemist, at \$1,400 per annum, in the Bureau of Standards.

THE sixth International Congress of Physiology will be held at Brussels, in the Institut Solvay, from August 30 to September 3, 1904, under the presidency of Professor Heger. One meeting will be devoted to the report of the International Commission appointed at Cambridge in 1898 for the unification of standards in physiology (Association de l'Institut Marey) and to the nomination of a committee of arrangements for the following congress. If the number of communications warrants, special sections, for example, in physiological chemistry or in experimental psychology, may be organized, as at Turin. Further information may be obtained from Dr. Auguste Slosse, local secretary, Institut Solvay, Parc Léopold, Brussels, Belgium.

THE Royal Geographical Society held its annual meeting on May 15; the medals and other honors were presented to those whose names have already been announced. The annual address of the president, Sir Clements Markham, was largely concerned with the British Antarctic Expedition, but geographical progress in other parts of the world was also described. It was stated that efforts are being made to secure \$600,000 for the erection of a new building for the society. The annual dinner of the society was held on the evening of the same day, when speeches were made by the president, Sir Harry Johnston, Sir William Ramsay and others.

THE Chicago Academy of Sciences has secured the collection of lower coal measure plants made by Dr. John H. Britts, of Clinton, Iowa. The collection contains many species named by Lesquereux besides numerous prototypes of species described by David White in Monograph 37, U. S. Geological Survey, on the 'Fossil Flora of the Lower Coal Measures of Missouri.' The collection was obtained through the generosity of Mr. Francis S. Peabody of Chicago.

A CORRESPONDENT writes to the London *Times* from Alexander on May 6: "Dr. Koch has concluded his investigations into the question of the cattle plague. His report, which

was laid before the ministry yesterday, is disappointing to those who anticipated prompt and effectual measures for the eradication of the disease. The learned bacteriologist considers the plague an extremely mild form of rinderpest, and one more nearly allied to Texas and Transcaucasian fever, the germ conveying the infection bearing also some analogy to the parasite found in coast fever in West Africa. His suggestions are confined to advising the government to pursue the measures already adopted, such as the application of injections and the isolation of infected animals. Dr. Koch sailed on May 6 for Marseilles."

WE learn from *Electrical World* that a deputation of Canadian electrical interests has waited upon the minister of inland revenue asking that the government establish an electrical standardizing bureau, to be maintained independent of any other branch of the public service, and placed in charge of a qualified electrical expert, at whose disposal should be placed trained assistants and proper facilities. The delegation also asked that the law be amended so that if any device was found in the possession of any one to prevent the proper registration of electric current, it should be *prima facie* evidence for his prosecution and conviction.

UNIVERSITY AND EDUCATIONAL NEWS.

MR. JOHN D. ROCKEFELLER has given the Case School of Applied Science \$200,000 to be used for building and equipping laboratories for physics and mining engineering. The buildings will be erected during the coming year.

YALE UNIVERSITY will receive as residuary legatee over \$250,000 from the estate of William B. Ross, a lawyer of New York City, who died on January 14 last. A portion of this sum will be used for the erection of an addition to the library building.

THE will of the late Professor Maxwell Sommerville provides \$20,000 for the preservation and care of the collection of engraved gems and ethnological collections given by him to the University of Pennsylvania some years ago.