

Cyclopedia of American Horticulture. L. H. BAILEY assisted by WILHELM MILLER and many expert Cultivators and Botanists. In 4 volumes. New York, The Macmillan Company. 1900. Vol. I. A.-D. Pp. xxii + 509. \$5.00.

SCIENTIFIC JOURNALS AND ARTICLES.

American Chemical Journal, January, 1900. 'On the Molecular Rearrangement of *o*-Aminophenylethyl Carbonate to *o*-Oxyphenylurethane,' by J. H. Ransom. 'Diazocaffeine,' by M. Gomberg. 'The Action of Ethyl Iodide on Tartaric Ester and Sodium Ethylate,' by J. E. Bucher. This number also contains a note on 'Improvements in the Manufacture of Sulphuric Acid.'

February, 1900. 'On Some Abnormal Freezing-point Lowerings produced by Chlorides and Bromides of the Alkaline Earths,' by H. C. Jones and V. J. Chambers. 'The Preparation of Pure Tellurium,' by J. F. Norris, H. Fay and D. W. Edgerly. The authors first prepared pure basic nitrate and then prepared the tellurium from this. 'The Reduction of Selenium Dioxide by Sodium Thiosulphate,' by J. F. Norris and H. Fay. 'Action of Picryl Chloride on Pyrocatechin in Presence of Alkalies,' by H. W. Hillyer. 'Camphoric Acid,' by W. A. Noyes. 'On the Rearrangement of Imido-esters,' by H. L. Wheeler. 'The Double Halides of Antimony with Aniline and the Toluidines,' by H. H. Higbee. 'On the Rancidity of Fats,' by I. Nagel. A note on 'The Wax of the Bacillariaceæ and its Relation to Petroleum.' J. ELLIOTT GILPIN.

The American Naturalist for January is a little late in making its appearance, but its contents may excuse the delay. The first article, by Henry Fairfield Osborn, is a most important contribution to the subject of 'Intercentra and Hypapophyses in the Cervical Region of Mosasaurs, Lizards and Sphenodon,' and is well illustrated. Ales Hrdlicka describes in some detail the 'Arrangement and Preservation of Large Collections of Human Bones for Purposes of Investigation,' and A. D. Mead has an article 'On the Correlation between Growth and Food Supply in Starfish,' in which he shows that starfishes of the same age may vary greatly in size. E. H. Eaton discusses

'The Zoology of the Horn Expedition' to Central Australia, and its bearing on the faunal affinities and geologic changes of Australia, and Henry Fairfield Osborn notes 'A Glacial Pot-Hole in the Hudson River Shales near Catskill, N. Y.' John H. Lovell in 'The Visitors of the Caprifoliaceæ,' describes the structural peculiarities of various genera and species of the honeysuckle family and notes the species of insects which he has observed to visit them, supplementing his notes by the observations of others. There is a large number of reviews, particularly of zoological papers.

THE *Journal of the Boston Society of Medical Science* for January opens with an article by Harold C. Ernst on 'Instruction in Bacteriology in the Medical Schools of America and Europe,' giving an analysis of the replies received from ninety-eight institutions to a circular letter of inquiry. The remainder of the number is devoted to abstracts of papers presented at the meeting of the American Public Health Association, Section of Bacteriology and Chemistry, held October 30, 1899.

SOCIETIES AND ACADEMIES.

SCIENCE CLUB OF THE UNIVERSITY OF WISCONSIN.

At a special meeting of the Science Club of the University of Wisconsin, on the evening of January 24th, Mr. T. C. Chamberlin, of the University of Chicago, addressed the Club on 'Some recent studies of fundamental problems in geology.' Mr. Chamberlin was for five years president of the University of Wisconsin, and a large audience gathered to greet him and to listen to his admirable presentation of an exceedingly difficult subject. By reason of the fact that many of his hearers were not specialists in science, the address was semi-popular, and by special request of the president of the Club, Mr. C. R. Van Hise, it treated particularly of Mr. Chamberlin's well-known studies in this field. These studies have already engaged his attention for a number of years and are not yet completed. Some of the most important conclusions reached by Mr. Chamberlin were given to his audience as he explained 'in confidence to his friends,' as they are not