100° for the two points was Celsius, but in his instrument 0° represented the boiling point of water. Finally the change to the modern centigrade scale was made independently by Christin of Lyons and Strömer of Upsala, in 1743. With this date, Dr. Bolton's story of the evolution of the thermometer ends.

At the close of the book is given a table of the relative values of thirty-five different scales which have been used at various times; a chronological epitome; a list of authorities, and an index to the book.

J. L. H.

BOOKS RECEIVED.


SCIENTIFIC JOURNALS AND ARTICLES.

In the November–December number of the Journal of Geology James Perrin Smith discusses the 'Principles of Paleontologic Correlation.' He lays great stress on interregional zones and concludes that correlations upon homotaxis and synchronism should not be very different. Under 'Contributions from Walker Museum' E. C. Case describes 'The Vertebrates from the Permian Bone Bed of Vermillion County, Illinois.' A forty-page article by C. R. Van Hise on 'Some Principles controlling the Deposition of Ores' discusses the concentration of ores by underground water. He urges a new and natural classification of these ore deposits based upon their genesis, believing that such a division would also be of the greatest importance in the practical problems of engineers.

The contents of the Journal of the Boston Society of the Medical Sciences for December 4, 1900, are as follows: 'Demonstration of a Photomicrograph of the Bacillus of Softer Chancre,' by F. B. Mallory; 'The Etiology of the Chancroid,' by Abner Post; 'A Simple Method of cultivating Anaerobic Bacteria,' by James H. Wright; 'Occurrence of the Typhoid Bacillus in Suppurative Processes and in the Fetus,' by Oscar Richardson, being the annotated record of a number of cases, and 'Observations on Milk Coagulation and Digestion,' by Franklin W. White.

The Plant World for December, 1900, opens with a popular article on 'Irises,' by F. H. Knowlton, in which he notes that there are about 160 species, and W. J. Beal presents, with illustrations, 'A Few Observations on Root Hairs'; Arthur Hollick gives 'An Example of Deductive Reasoning,' this being that the bottom deposits in a small swamp on Staten Island should represent the Quaternary age, a deduction that was verified by the excavation of the swamp. Edward Hale Brush gives some notes on 'Horticulture and Landscape Gardening at the [coming] Pan-American Exposition.'