

that "by a study of the life histories of plants and their habits of behavior under different conditions of environment, we shall broaden our concept of nature and cultivate our æsthetic, observational and reasoning faculties." How much more important this is to the student than to be possessed of a few stray and disconnected facts of natural history ! Ecology means study in the field and is the kind of valuable nature study work so heartily and ably encouraged and fostered by The Ottawa Field-Naturalists' Club and the Natural History Society of Montreal Atkinson's Elementary Botany will be of great value to High School Teachers and to Teachers in Collegiate Institutes. It inspires the student by presenting the attractive features first and trains his mind in logical methods of induction, which, as the author observes, is of vast importance in its influence upon the character of the pupil. The book is well printed, beautifully illustrated and substantially bound.

J. C.

WHITEAVES, J. F.—*Contributions to Canadian Palæontology*, Vol. 1, Part V. 7. On some additional or imperfectly understood fossils from the Hamilton formation of Ontario, with a revised list of the species therefrom," pp. 362-436. Plates XLVIII to L, Geological Survey of Canada, Ottawa, 1898.

This palæontological report brings our literature and information on the Hamilton formation of Ontario up to date. So many radical changes have been deemed necessary in the classification and nomenclature of palæontology of late that the revised "list" given by Mr. Whiteaves, pp. 412-418 of this, the 659th contribution or publication of the Geological Survey Department, will prove of great value to all working geologists and palæontologists. A résumé of the various orders and families represented in the Hamilton formation of Canada include the following :—