

and also showed what a large variety of fresh-water shells could be collected in a small area by those who knew how to look for them, and Miss Matthews and Miss McQuesten, both members of the Council.

W. T. M.

BOOK NOTICE.

THE ORTHOPTERA OF INDIANA.

By W. S. Blatchley, State Geologist, Indianapolis, Ind., from the 27th Annual Report of the Department of Geology and Natural Resources of Indiana, 1902. 8vo., pp. 348.

We are glad indeed to welcome this last work of Prof. Blatchley's which has just appeared. It is practically a popular manual of the Orthoptera of Indiana and the adjoining States, written in the plainest language, and with full explanations of all necessary technical terms. The author has been very happy in presenting his favorite subject, which he has studied for many years, in a succinct, intelligible manner, a fact which will doubtless render his book a useful manual for many students of this interesting order of insects in other parts of North America. The author has prepared his work for beginners and for others who have no particular knowledge of insects, and, as is not always the case, he begins at the beginning of his subject. In the first chapter, on the external anatomy of a locust, he points out the difference between insects and other animals, and then describes fully the different parts of a locust and their functions. A useful division of this chapter treats of the enemies of locusts, some kinds of which frequently do work of inestimable value in controlling outbreaks of certain species which occasionally become destructively abundant. A plea is made for the protection of some of the birds which do good service in this way, but are seldom recognized as friends, such as hawks, blackbirds, crows, bluejays, bluebirds and prairie chickens.

A bibliography gives the titles of the chief works or papers in which important information regarding the habits and life histories of locusts can be found. Those wishing for fuller information, are referred to Dr. Scudder's Index to North