

in the annual reports on the Natural History of the State, owing, no doubt, to its great size. This unfortunate decision has caused the edition to be limited to a thousand copies distributed by the Department, and 300 placed on sale by the Nature Publishing Co., 1,530 Park Ave., Indianapolis, Ind., from whom they may be procured at \$4.50 each, postage or express charges extra. Early application is recommended, as this small edition will do doubt be soon exhausted.

C. J. S. B.

THE HOUSE-FLY: A Study of Its Structure, Development, Bionomics and Economy. By C. Gordon Hewitt, D.Sc.; Dominion Entomologist, Ottawa, and late Lecturer in Economic Zoology in the University of Manchester. Manchester, 1910.

The three parts of Dr. Hewitt's valuable Monograph on the House-Fly, which were published in the *Quarterly Journal of Microscopical Science* in 1907, 1908 and 1909, respectively, have recently appeared in book form as a publication of the Manchester University Press. The book also includes several appendices, in which additional facts and information of much practical importance are given for the first time.

The first part gives a very full account of the anatomy of the fly, the second of the breeding habits, development and anatomy of the larva, the third part of the bionomics, allies and parasites of the house-fly and its relations to human disease. Each of these parts is concluded with a useful summary of the facts discussed, and a full bibliography. In the appendices further observations are given on the dissemination of the organisms of human disease by house-flies, breeding habits, preventive measures, etc.

The book is illustrated by nine beautifully executed lithographic plates, the first one giving coloured figures of the house-fly and several allied forms commonly met with in houses; the others illustrating anatomical details of the adult fly and of its larva and pupæ, except the last plate, on which the characters of the various flies that are associated with the house-fly and of the enemies and parasites of the latter are depicted.

A brief perusal of a few pages of the letter-press and a mere glance at the illustrations are sufficient to leave no doubt in the mind of the reader as to the high character of this work and the thoroughness and patience with which the author has prosecuted his investigations.

Now that the work is in book form, and is accessible to all, it is to be hoped that its valuable lessons will be the means of stimulating effort in the eradication of the many evils for which the house-fly is responsible.

Mailed November 11th, 1910.