

the appearance of that volume, are here treated of at considerable length, *e. g.*, the Hessian Fly, Stem Eel-worms, and the Wheat-bulb Fly. In all cases much additional information is given; but particularly with regard to Wire-worms, Turnip-Flea and Hop Aphis. In the treatment of insects injurious to fruit trees a most important addition is that of the use of the arsenical poisons. The use of these poisons, now so well understood in this country, but which were until quite recently unknown in England as insecticides, has been wisely and boldly advocated by Miss Ormerod during the past two years, and the results have been most satisfactory.

As an appendix to the Manual is given a short and copiously illustrated "Introduction to Entomology," where, in the plainest possible language, the structure and changes of insects are described, and illustrations and definitions of the various natural orders into which they are classified are given, so as to "enable the observer of a crop attack to tell at least what kind of insect is before him," and also "in the list of the orders of insects, notes are given of the most observable of the characteristic points by which the insects composing these different orders may be distinguished from each other."

A glossary of terms and a full index render this work very complete. It contains 410 pages, and is illustrated with 155 excellent figures, many of them from the authoress's own pencil. It is well printed, neatly bound in cloth, and the small price at which it is published (\$1.25) brings it within the reach of all.

REVISION OF THE SPECIES OF THE GENUS *AGROTIS*. By John B. Smith, 8vo. Washington, pp. 237, 1890.

This important work forms Bulletin No. 38 of the United States National Museum. It was begun when Prof. Smith was associated with Prof. Riley at Washington; but was subsequently handed over to the present author for completion, on account of pressure of other work upon the time of the United States Entomologist. Prof. Smith has made a special study of this difficult genus for many years and the present monograph will be gladly welcomed by all students of the noctuidæ. There is no doubt but that the publication will give an impetus to the study of these injurious insects, which was seriously