

BOOK NOTICES.

First Annual Report of the Injurious and other Insects of the State of New York ; by J. A. Lintner, State Entomologist ; large 8vo.

This very complete and methodical report, by Prof. Lintner, occupies 382 pages, and is illustrated with 84 cuts. The volume opens with a copious table of contents, followed by a chapter on the importance of the study of Entomology, in view of the extent of insect depredations, and the immense losses insects occasion. The progress which has been made in Economic Entomology is then reviewed, and the writings of the chief workers in this field referred to, following which the various insect remedies and the best methods of using them are fully detailed. Preventives of insect depredations are next noticed, including the use of odorous substances to deter insects from depositing their eggs on plants and trees, as well as various mechanical contrivances employed for the same purpose.

Among injurious insects, those belonging to the order Lepidoptera are first taken up. They are:—The bag or basket worm, *Thyridopteryx ephemeraeformis*; the larch lappet, *Tolyte laricis*; the bronze-colored cut worm, *Nephelodes violans*; the stalk-borer, *Gortyna nitela*; the corn-worm, *Heliothis armiger*; the vagabond crambus, *Crambus vulgivagellus*; the dried crambus, *Crambus exsiccatus*; the peach-twig moth, *Anarsia lineatella*; the apple-leaf Bucculatrix, *Bucculatrix pomifoliella*; and the apple-tree case-bearer, *Coleophora malivorella*. The insects belonging to the Dipterous order are next noticed, beginning with some species of Anthomyiidae, next the Syrphidae, Drosophilidae, concluding with the wheat-stem maggot, *Meromyza Americana*. Those coleopterous insects which are injurious are then treated of in the following order: The rose-beetle, *Macrodactylus subspinosus*; the Indian Cetonia, *Euphoria Inda*; the asparagus beetle, *Crioceris asparagi*; the punctured clover-leaf weevil, *Phytonomus punctatus*; and the sculptured corn-curculio, *Sphenophorus sculptilis*.

Injurious insects belonging to the order Hemiptera next claim attention, when the life histories of the harlequin cabbage-bug, *Murantia histrionica*; the four-lined leaf-bug, *Pezilocapsus lineatus*, and the two-marked tree-hopper, *Enchenopa binotata*, are given. Throughout the whole of this valuable report the species referred to are freely illustrated with excellent figures, and the text conveniently arranged in separate paragraphs with suitable headings.

The report closes with an Appendix, which contains a full account of