

BOOK NOTICE.

"THE IMPORTATION INTO THE UNITED STATES OF THE PARASITES OF THE GIPSY MOTH AND THE BROWN-TAIL MOTH: A Report of Progress, with some consideration of previous and concurrent efforts of this kind." By L. O. Howard and W. F. Fiske. Bull. 91, Bureau of Entomology, U.S. Dept. of Agriculture, 344 pp., 27 plates, 74 text figs., 3 maps. July, 1911.

Perhaps no recent entomological undertaking has been watched with greater interest by American and Canadian entomologists than the attempt to establish on the American Continent the natural enemies of the Gipsy and Brown Tail Moths. This interest is due to two things: the immense destruction caused by the two insects in Massachusetts and the southern portion of New Hampshire and Maine, and to the fact that it is the first serious attempt to introduce all the effective insect enemies of a Lepidopterous host from one country, or series of countries, into another that has been made in the history of entomology.

The story of the work of introducing these insect enemies, together with that of previous and concurrent efforts of the same nature, is, as the title indicates, told in the Bulletin under consideration.

The first part consists of a discussion of previous work in the practical handling of natural enemies of injurious insects. It is an able discussion including many original and valuable observations. It presents, for the first time, a comprehensive view of the results that have attended the artificial transportation of insect parasites of various hosts in different quarters of the globe.

The second part tells the story of the introduction into the United States of the natural insect enemies of the Gipsy and Brown Tail Moths. The reasons for attempting the work are given at length, and the main issues of the experiment are fully discussed. Biological and other notes on a small army of parasites are recorded. Although the discussion is primarily that of the parasites of two Lepidopterous hosts, yet, on account of the fact that the author brings to bear upon the subject a splendid grasp of the broad subject of insect parasitism, it has a wide biological significance.