

THE ENTOMOLOGICAL SOCIETY OF ONTARIO.

The forty-seventh annual meeting of the Entomological Society of Ontario was held at the Ontario Agricultural College, Guelph, on November 3rd and 4th.

The important address of the meeting was delivered by Prof. J. G. Needham, of Cornell University, on "The Role of Insects in Water Life." No one is more fitted for a discussion of such a subject than the eminent investigator from that great seat of learning at Ithaca. For many years Prof. Needham has made a close study of aquatic insects and his work on certain of the groups is unique. After some introductory remarks on the existing relations between animal and plant life in our waters, he discussed the exceeding great importance of a thorough knowledge of the life habits of aquatic insects in its direct relationship to fish culture. Much information was given on the value of insects as food for young fish. He pointed out how certain species could be reared very easily in large numbers. The waters of Canada and the United States were as productive acre to acre as the land. Large areas of water which at present are practically worthless from an economic point of view, could by scientific water farming be made of greater value than the best of land farms. Beautiful lantern slides were shown which illustrated the life-histories of certain species of dragon flies, stone flies, may flies, etc. At the conclusion of the address Prof. C. C. James, Deputy Minister of Agriculture for Ontario, spoke briefly of the importance of the subject, as did also President Creelman, of the O.A.C.

During the afternoon of the first day's session, papers on economic entomology were presented by Messrs. Gibson, Williams, Morris and Treherne, dealing with the injurious insects which were complained of in their respective districts. In addition to these papers Mr. L. Caesar spoke of the "Insects of the Year in Ontario," and Dr. Hewitt on "The More Injurious Insects in Canada during the Year 1910."

In the other sessions the following papers were read or presented by title: "Leaf-eating Beetles," by F. J. A. Morris, Port Hope; "The Pool" and "Notes on the Season of 1910," by Rev. Dr. T. W. Fyles, Hull, Que.; "Collecting in the White Mountains," by H. H. Lyman, Montreal; "Spread of Diseases Amongst Animals and Man by Acarids," by T. D. Jarvis, Guelph; "The Horse-radish Flea Beetle," by A. F. Winn, Montreal; "Further Notes on Basswood Insects" and "The Entomological Record for 1910," by Arthur Gibson, Ottawa; "The Migration of Some Native Locusts," by Norman Criddle, Treesbank, Man.; "Some Observations on the Practical Import-