

scientific Entomologists find it necessary to devote some of their time to assisting in the great cause of combating our too numerous insect enemies. On this continent large sums of money, and the energies of some of the most eminent scientific men in the country, are devoted to these studies. In Canada there are several workers in the field, notably amongst the members of the Entomological Society of Ontario, the Ottawa Field-Naturalists' Club, the Toronto Natural History Society, and the Natural History Society of New Brunswick. In addition to these, valuable work is being done by individual students and specialists. Foremost amongst these is the Abbé Provancher, the accomplished editor of "*Le Naturaliste Canadien*," a useful magazine published in the French language, through the columns of which I have been courteously allowed to address a letter to the French Canadian farmers of the Province of Quebec, asking them to co-operate with me, by reporting insect injuries promptly upon the appearance of the attack, and by testing remedies suggested. I am under a further obligation to the learned Abbé for referring to, and himself pointing out, the value of this work in later issues of his magazine.

From the geographical position of Canada and the United States, many of our interests and theirs are naturally identical. In nothing is this more patent than in the investigations which I have the honour to carry on under your instructions. Year after year fresh States of the great Republic, whose boundaries touch our own for more than 3,000 miles, are added to those who acknowledge the necessity of having a Government official who shall devote all his time to studying the habits of insects injurious to Agriculture, and the methods for controlling and preventing their depredations. The results of their studies are published regularly, and are easily accessible to all. The last addition to the list of States which employ Entomologists is Tennessee, which has lately appointed Prof. E. W. Doran, of Loudon (Tenn.) Academy, to this position.

The courtesy of Prof. Riley, and his able staff of Assistant Entomologists, at Washington, as well as of the gentlemen entrusted with this work in the several States which are advanced enough to employ Entomologists, cannot be exceeded. Any applications from Canadians for information have always received as prompt attention, as if they had come from residents within the Union. I am repeatedly apprised of this fact by my correspondents, and gladly take this opportunity of publicly acknowledging my indebtedness to these gentlemen for assistance frequently and cordially rendered, and would particularly refer to Prof. C. V. Riley, who has presented me with a collection containing typical specimens of 34 different species of western locusts, as well as many of his valuable reports. To Mr. J. B. Smith, of the United States National Museum, for identifying difficult species of lepidoptera and coleoptera; to Prof. J. A. Lintner, State Entomologist of New York, for advice in many matters relating to the investigation of injurious insects, and to Mr. J. J. Rivers, of the University of California, for reports and descriptions of the important experiments which are being carried on with regard to the Phylloxera in California. To Prof. Saunders, of London, Ontario, I am deeply indebted for timely advice in some difficult questions, concerning which his long experience as an Entomologist, and extensive knowledge of chemistry, have rendered him an authoritative source of reference. Also to Mr. W. H. Harrington, of Ottawa, who kindly undertook to attend to my correspondence while I was absent in British Columbia. During my investigation in British Columbia, I received unlimited kindness and attention from the Rev. G. W. Taylor, Incumbent of Cedar Hill Parish, who, being an accomplished Naturalist, rendered me the greatest assistance in my entomological enquiries, and since my return to Ottawa has kept me well informed concerning the insects of Vancouver Island.

An important step in the right direction has been taken in England during the past twelve months, by the commencement of publication of a series of reports on Insects Injurious to Hop, Corn and Fruit crops. This work, two parts of which have already appeared, has been placed in the hands of Mr. C. Whitehead, F.L.S., F.G.S., and certainly provides the farmers and horticulturists, for whose benefit it is

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