

III. Investigations & Research.

Until recently no provision, financially or otherwise, has been made for carrying on research in entomology. For this reason the members of the department have devoted most of their attention to morphological and taxonomic problems, that required no outlay for equipment or assistance. Numerous papers in these fields have been published by members of the staff and others are in course of preparation.

With a certain amount of assistance from the Research Council several years of work were devoted to the investigation of the onion maggot (Hylemyia antiqua Meig.). A careful study of the bionomics of this pest has been made and the results published.

Much preliminary work has been done on the parasites of domestic animals, particularly poultry. Our field survey has given us valuable data on the distribution and relative abundance of the species concerned. Preliminary experiments have given indispensable information as to the nature of the problem and the difficulties involved. More detailed work is now going forward and, with the provision of expected increased facilities, the work can be rapidly expanded. This problem is placed first for the following reasons:

1. It offers the best method for cooperative work ~~and pooling~~ and pooling of resources of the departments concerned, viz., Poultry, Animal Husbandry, Veterinary, Chemistry and Entomology.

2. The problem is one of great intrinsic importance and is nowhere in Canada being investigated in a comprehensive manner.

In Entomology there are many fundamental problems which we are anxious to attack. Economic entomology at the present time