

examination of the incrustations revealed nothing of a parasitic nature.

The next year similar injured twigs were submitted for examination in even greater quantity. In particular, a number of nursery firms complained of heavy loss to their Northern Spy stock from being rendered so unsightly as to be quite unmarketable. One firm, situated in the Okanagan, was compelled to destroy a large quantity of Northern Spy stock, as a result of this trouble. It appeared, on further examination of affected twigs, that the year following the appearance of the trouble, the injured areas frequently dropped out, thus rendering the injured tree more unsightly than before. Further examination of the incrustations still revealed nothing, but so serious had the situation become, that it was decided to follow the matter up carefully, in order to determine definitely the cause of the trouble.

The writer left British Columbia in the fall of that year and was unable to prosecute this matter further. However, Mr. J. S. Dash (5), then working under the direction of the Inspector of Fruit Pests, examined a number of injured twigs during the month of October. He found them to contain hundreds of hibernating mites, whose identity could not be ascertained with certainty at the time, since they were immature. At the request of the writer, a number of affected nursery trees were sent to Truro, kept over winter and planted out the following spring. In July the silvery appearance, characteristic of the work of *Phyllocoptes schlechtendali*, became apparent on the leaves, which, on examination, were found to be covered with mites belonging to this species.

It would appear from our observations that the mites, which feed on the foliage during the summer months, make their way to the twigs in the autumn where they enter an old egg blister of the Rose Leaf-hopper (*Empoa rosæ*), a common apple pest throughout the province, or of the Apple Leaf-hopper (*Empoasca mali*) or through a lenticel, and there they develop their hibernating incrustations, which render the affected trees so unsightly. As an enemy of nursery trees and particularly of Northern Spys, this mite is, therefore, of considerable importance, since stock so disfigured is unmarketable. The actual harm done to such