

Rev. Mr. Bethune stated that he had found in a large burrow in an oak tree, the empty pupa case of a species of *Cossus*.

Mr. Harrington had also found this insect quite common on the oak, and had frequently seen the empty pupa cases protruding from the bark.

Mr. Fletcher reported that he had found *Cossus centerensis* ^{Leut.} common about Ottawa on the Balm of Gilead tree *Populus balsamifera*; the pupa is usually extruded from the bark about four o'clock in the afternoon; he had frequently seen them at this time of day working gradually out; the imago usually escapes within an hour after the appearance of the pupa. He also reported finding *Buprestis fasciata* common on poplars, and had found a larva in poplar wood which he thought, from its appearance, might belong to that species.

Mr. Harrington said that he had lately found the larvæ of a very small fly *Cecidomyia robiniae* on locust trees about Ottawa; these larvæ turn down the margins of the leaves and live within the enclosure thus formed.

Mr. Fletcher had found the stems of sunflowers much bored into by some insect, and exhibited a larva which he had taken boring into the stem of a lily, *Lilium Canadense*.

Mr. Reed exhibited a larva which he had taken recently feeding on oak; it evidently was a species of *Smerinthus*, but did not seem to correspond to any hitherto described larva of this genus to which he had been able to refer.

Mr. Saunders made some reference to the manner in which the eggs of the Round-headed Apple tree borer, *Saperda candida* are placed. He had until lately held the opinion, in common with other entomologists, that the eggs are laid on the surface of the bark of apple trees near their base, but he had recently received from a correspondent, Mr. C. G. Atkins, of Manchester, Maine, specimens of the eggs deposited in young apple trees, from which it was quite evident that the beetle bores into the bark and deposits her eggs under the surface.

Mr. Fletcher said he had raised a brood of the larvæ of *Smerinthus exocatus*, and found it to feed readily on *Populus balsamifera*, and also on *Populus alba*, the latter known as the silver beech tree; the larvæ varied very much in colouration; hitherto this insect has been supposed to feed only on apple, plum and wild cherry.

Mr. Saunders stated that he found the larvæ of *Papilio turnus* this season on a new food plant *Magnolia acuminata*; as many as forty or fifty specimens were found on a single tree, varying in size from the newly-hatched to the full-grown larva, all feeding together; eggs were also found at the same time and place.

Mr. Fletcher reported finding the larva of *Darapsa versicolor* feeding on swamp loose-strife *Nesaea verticillata*; he had bred a single specimen two years in succession; it is curious to note that this plant grows in the water, and being herbaceous, decays and becomes submerged during the autumn and winter months; in these instances there was no favourable pupating place nearer than the shore, so that the larva would have to swim ashore, unless it formed its cocoon among the leaves and then drifted to land.

Mr. Reed exhibited and reported the larvæ of *Photodonta albifrons* Sm. and Abb. as common in London on the maple, he had also observed them recently on the elms in Toronto and Montreal; other members had found them generally common this season on the oak.

Mr. Saunders had found the larvæ of *Papilio cresphontes* on the wafer ash *Ptelea trifoliata*, also on the prickly ash *Zanthoxylum Americanum*; at this late period of the year (September) the larvæ may be found quite small. Query, Do these perish from early frost? If not, how do they pass the winter?

The meeting then adjourned to meet next morning at 9.30 a.m.

Thursday Morning, October 4.

The meeting opened at the Society's rooms at 9.30.

The question of the use of Paris green for the codling worm of the apple *Carpocapsa pomonella* was discussed, and while the members concurred in the desirability of testing

this remedy the mixture being sufficient.

An interest on the pupa stump, curious species, and terra, referred.

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Mr. Harrington vicinity of Ottawa

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MEETING

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On motion

President

Vice-Pres

Secretary

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