

At the close, Professor Prince proposed a vote of thank appreciatory of the treat Dr. Hjort's lecture afforded, and he expressed the hope that Dr. Hjort would be able to continue his work in Canada for another year. Dr. C. Gordon Hewitt seconded the motion and pointed out that an illimitable market for fish food would arise as a consequence of the present war, and Canada should prepare to supply the vast demand that would arise. Professor Macallum, of Toronto, added a few words of commendation, and the President (Mr. Arthur Gibson), in putting the motion added his own appreciation of Dr. Hjort's valuable address. The stereopticon, it may be added, was skilfully operated by Mr. J. S. Harterre.

E. E. P.

NOTES ON THE PREPARATORY STAGES OF  
*PROSERPINUS FLAVOFASCIATA ULALUME* STRH.\*

BY ARTHUR GIBSON.

In 1905, eggs of this sphingid moth were received from Mr. J. W. Cockle, of Kaslo, B.C. Oviposition took place at Kaslo, on May 30, and the eggs hatched at Ottawa, on June 12. In 1904, Dr. Dyar published† descriptions of the egg and the five larval stages. My notes agree on the whole with such descriptions, but as further information is given on certain points, it seems excusable to present them in their entirety. They are as follows:

*Egg*.—Elliptical in shape, size 1.2 mm. by 1 mm. by 1 mm.; pale green, shining, smooth; length of egg state as above indicated 12 days. In 1910, a female of *ulalume* was received from Agassiz, B.C. During the journey to Ottawa, seven eggs were laid. These hatched on May 25, but unfortunately the larvæ died soon afterwards.

*Stage I*.—Length at first 4 mm. Head pale greenish, mandibles brownish. Body pale greenish, cylindrical, plump; segments of body wrinkled (8 wrinkles); no markings on body. Caudal horn 0.5 mm. long, pale at base, darkened towards and at tip. Feet concolorous with body.

Most of the specimens moulted on June 16 and 17.

*Stage II*.—Length 8 mm. Head slightly bilobed, with a yellowish tinge; ocelli black. Whole body washed with white, giving the larva a glaucous-green appearance. Dorsal vessel showing down the centre of the dorsum as a narrow dark line, from the head to the base of the horn. Subdorsal stripe white.

\*Contribution from the Entomological Branch, Department of Agriculture, Ottawa.

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