

The Canadian Entomologist.

Vol. XLI.

GUELPH, OCTOBER, 1909.

No. 10.

NOTES ON THE LARVA AND PUPA OF *STHENOPIS THULE*, STRECKER.

BY J. M. SWAINE, MACDONALD COLLEGE, P. Q.

Larvæ and pupæ of this interesting species were found in a willow swamp near Macdonald College by Mr. G. Chagnon, Mr. W. Brittain and myself on June 29th, 1909. They were taken from the bases of the stems of the common swamp willow, *Salix petiolaris*, Smith.

So far as we know, the mature larva and pupa have not been previously described.

Description of a nearly-mature larva: Length (alcoholic specimen), 70 mm.; diameter at second abdominal segment, 9 mm.; width of head, 5 mm. The shape is nearly cylindrical, the thorax is slightly humped, and the last two abdominal segments are somewhat retracted ventrally. The colour is white or yellowish-white with yellow, chitinized thoracic areas and with small yellow-chitinized spots, from which arise the setæ. The setæ are sparse, dark brown, and longer and stouter on the last two abdominal segments. The body segments are much folded transversely, with a strong lateral fold on each side.

The spiracles are black, distinct, and situated on the first thoracic and first eight abdominal segments.

The abdominal feet are stout, situated on the third, fourth, fifth, sixth and last abdominal segments.

The head is reddish-brown, darker cephalad; with the labrum, mandibles and palpi black; irregular furrows radiate from the sparse, setigerous punctures. The spinneret is slender, straight, and usually held at right angles to the body, though capable of being retracted flat against the ventral wall of the head. The ocelli are six in number, and are arranged in two more or less distinct rows.

The yellowish-brown cervical shield covers the dorsum of the first thoracic segment between the spiracles. Above the spiracles on either side is a slightly-curved, elongate, brownish-black, impressed marking, bearing a black setigerous puncture at either end and one cephalad of the middle.