

After Third Moulting: Length .28 inch; color black and dark gray, the sides mottled; the double dorsal stripe more definite than before; the spines as before; head same also. To next moult four days, in May.

After Fourth Moulting: Length .44 inch; color black and gray; the dorsal stripe now solid, dark gray; the spines black to bases except those of lower row, and on 3 and 4 of middle row, all which have yolk-yellow at base and half way up the stems; all bristles black; head brown-black over the front with many black hairs, long and short, the back brownish-yellow. To next moult eight days, in May.

After Fifth Moulting: Length .7 inch; in about eight days was fully grown.

MATURE LARVA.—Length 1.2 to 1.4 inch; slender, somewhat thickened in middle, the segments well rounded; color wholly velvet-black or brown-black (no gray dorsal stripe as before last moult); three rows of spines on either side, as in the genus, all of them yellow nearly to tip, the rest black; feet black, pro-legs brown-yellow; head sub-cordate, the vertices rounded, dull brown in front, dull yellow at back. From fifth moult to pupation 14 days.

CHRYsalis.—Length .9 inch; breadth across mesonotum .26, across abdomen .23 inch; like *Atlantis* in shape, but stouter; color dark brown over head and wing cases; so also on the front of each abdominal segment, in serrations, the rest yellow-brown. Duration of this stage ten days, in June.

HESPERIS flies in Colorado, Utah and Montana. Mr. Bruce writes me of its habits thus: "*Hesperis* is by far the most abundant species of the genus along the canons and water courses of the eastern or front range of the Rocky Mtns., in Colorado, at from 6,500 to 8,000 feet elevation. It is very active and restless, and difficult of capture except when on flowers. They are very partial to the bloom of Clematis, and I have frequently taken several at one sweep of the net on this plant; later in the season, on the tall Sunflower. The wild Bergamot and Horse-mint are much frequented by them. They are also fond of alighting on the ground in damp places, especially, late in the summer, when they are worn. I have taken them in Clear Creek and Platte canons from June 16th till end of August. *Hesperis* is a very pugnacious insect, and will circle round and boldly flap the *Lycaenas* and *Theclis* off the blossoms. I was amused one day, on the South Platte, with watching a male *Hesperis*