

and prolegs gray. A sublateral row of short setæ. A rather strong mid-dorsal, blunt tubercle over the third pair of prolegs. A rather strong double tubercular ridge over the 8th abdominal segment. Head flattened in front, gray with yellow, *cara*-like spots at upper lobes (of the head), bounded outside by a black dash.

May 20th—Larvæ just after moult, one and one-half inches long, light bluish gray with light brown tubercles and light brown prolegs and cross-dorsal patches on the 5th and 8th abdominal segments, of the same colour. Head dished in front with light brown lobes above, and outer bounding black dash. A strong tubercle on dorsum of 5th abdominal segment and a pair of lesser tubercles on dorsum of the 8th abdominal segment. All three of these tubercles are brown, the one on the 5th with whitish tip. True legs gray. Sublateral row of short setæ. Prolegs rather long.

May 23rd—Larvæ full grown, two and two and one-fourth inches long, ashen (the exact colour of the gray branches of bur oak). The strong tubercle over the 5th abdominal segment, the pair of strong tubercles over the 8th abdominal segment and the roughness of body, due to the other tubercles, give a strong case of mimicry (like the knotty twigs of bur oak).

The general body tubercles yellow-brown, as also the dorsal pair over the 8th abdominal segment, but the latter are set on a bifid ashen ridge. The tip of the tubercle over the 5th abdominal segment has the body colour, but a little lighter at the tip. Enclosing and extending downward to the ventral surface from the 5th abdominal dorsal tubercle is an irregular band of brown and a similar patch either side of the 8th abdominal dorsal ridge.

A sublateral row of short setæ. Head as in *cara*, bifid above with lighter lobes flanked outside by a black dash. Ventral side pole pink with strong central black spots. There is a slight white patch either side of the first abdominal segment.

Larvæ began spinning May 27th. Just before spinning the larvæ evacuate a bright red fluid.

The first imago was on June 17th. Pupal period, 15 to 18 days.