

broadest part at the subdorsal tubercles on joint 1. From the tubercles on joint 1 to those on joint 2 the lilac is bordered by bright brownish purple with a white line outside of this. In the middle of this diamond is a little green shading. From the tubercles on joint 2 to the extremity of the body is another parti-colored space lighter than the anterior one. This gradually expands so as to include the stigmata on joint 7, then decreases in width to the anterior part of the anal segment, expanding a little in the middle of this, but contracting again at its posterior part. The lilac of this is like the first, considerably suffused with green on the back, and is bordered with brownish purple and white, though the colors are a little lighter posteriorly. These two dorsal patches are not continuous, but are separated on joint 2 by a distinct though small patch of green. The posterior projections are mostly brownish purple, though with somewhat greenish annulations, and when extended a ring of white near the extremity. Head dark lilac. The body is a little thicker vertically than from side to side.

These were found feeding on willows (*Salix nigra*, I think) from September 9th of last year to October 5th, nearly full grown. I noticed that previous to the last moult the tubercles on joint 1 were covered with little spines.

They were kept in a room of moderate temperature during the winter and transferred to the wood-house as soon as no more freezing was apprehended. The imagines began to appear April 30th, and the last emerged June 3rd.

*Cerura borealis*.—Of the same size, shape and general marking as the preceding. The head is brown. The sides of the body are yellowish green, the dorsal dark color not being so distinctly separated on joint 2 as in the first. The back, instead of being parti colored, is brown, somewhat suffused with green on the back at the widest places and darker along the edges. Previous to the last moult the sides are bright green and the brown a little less dull.

Two of these were found feeding on wild cherry the 17th and 18th of September, one nearly full grown which spun up Sept. 23rd. Only one produced an imago, and that emerged April 21st.