

HISTORY OF THE PREPARATORY STAGES OF COLIAS
EURYDICE, Boisd., WITH REMARKS UPON THE
GENUS MEGONOSTOMA, Reakirt.

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EGG.—Shape of *Eurytheme*, fusiform, tapering evenly from the middle to either extremity; the base broad, the summit pointed, ribbed longitudinally, and crossed by numerous striæ; color, pale green when first laid; later, changing to crimson; duration of this stage about four days.

YOUNG LARVA.—Length, .1 inch; cylindrical, thickest on two and three, tapering slightly to thirteen; each segment from two to thirteen several times creased, and on the ridges thus caused are many fine black points, each with minute black hair; scattered among these are larger black points, or tubercles, some with long, tapering, black hairs, but most with long, white, clubbed appendages; on two there is a cross row of these in front of the segment, five on either side, running from dorsum to base; on three and four are four each, also in front, but after four, there are three to the segment, disposed in triangle, two being in front, one on the last ridge; these form longitudinal rows; thirteen has three black hairs on either side in triangle, and from four to twelve are two black hairs at base of each; color, dull yellow-green; feet and legs same; head rounded, but little depressed at top; a few tubercles scattered over the face, each with long, tapering, depressed, black hair; color, pale yellow-brown. Duration of this stage about four days.

After first moult:—Length, .14 inch; color, yellow-green; the ridges thickly beset with black points, from which black hairs; on two, three and four these points are larger than elsewhere; head shaped as before, the depression being decided; the tubercles and hairs more frequent; color, yellow-green, paler than body. As the stage proceeds, a yellow stripe begins to show itself the length of body, below spiracles. To next moult four to five days.

After second moult:—Length, .22 inch; color, green, with black points and hairs as in previous stage; the band along base distinct, white; just over it, on three and four each, on the middle of the segment, is a black bead-like process; under side, blue-green; head, yellow-green; thickly covered with fine black tubercles, each with a short, black hair, and among them are about twelve of considerably larger size, with long hairs. To next moult, three days.