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HISTORY OF THE PREPARATORY STAGES OF VANESSA MILBERTI, GODART.

BY W. H. EDWARDS, COALBURGH, W. VA.

FGG.—Conical, the base flattened, the top rounded; ribbed vertically, the ribs being either 8 or 9 in number; these rise from the surface at about one third distance from base, increase in elevation gradually, and end at the summit about the little flattened space which contains the micropyle, with its rosette of minute reticulations; the ribs meet the summit at an angle of about 45°; in the last part of their course they are thin, and are grooved on both sides to the surface; between them are many fine horizontal striæ; color green. Duration of this stage probably 4 or 5 days.

YOUNG LARVA.—Length 1800 inch; color yellow-green; cylindrical. nearly even from 2 to 10, the segments well rounded; marked by rows of fine black tubercles, each of which gives out a black hair in length about equal to the diameter of body and nearly all straight; these tubercles are flat, like circular disks, and the hairs are barbed (as seen under a high power); 2 has a sub-oval chitinous black dorsal patch with two rows of tubercles, six in front row, and two behind, these last standing between the second and third from each end of front row; the hairs longer than elsewhere and bent over head; on 3 and 4 each is a straight cross row over dorsum of eight tubercles, four on either side mid-dorsal line, and the third tubercle from top has two hairs; after 3 and to 13 are six tubercles each, disposed differently, four being on the front part of the segment, but not in straight line, the lower one of either side being a little behind the upper one, and the third tubercle lying between the two others. on the last part of the segment; these form three longitudinal rows from 3 to 13; on extreme end of 13 is an oval chitinous patch with several tubercles, the hairs straight and horizontal; below the spiracles from 4 to 12 are two short hairs each, from minute tubercles, the posterior one