

## LARVAL AND PUPAL HISTORY OF DARAPSA VERSI-COLOR HARRIS.

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Last summer I was so fortunate as to obtain fifty eggs of the rare Sphinx, *Darapsa versicolor*. They were found between June 26th and July 20th, on the under side of the leaves of the common swamp button bush, *Cephalanthus occidentalis* Linn., and, with two exceptions, were laid singly. The egg is round and slightly flattened—about the size of rape seed. It is at first light green and translucent, afterwards milky and opaque; a few before hatching became, about the spot where the larva emerged, russety. The longest any egg continued without hatching was six days, and it is almost a certainty that the duration of the egg state is seven days.

The larva, just emerged, is a uniform pale white, three lines in length. The caudal horn, from four to five hours after the emerging of the larva, becomes dark purple. The caterpillar gradually becomes pale green. The first caterpillar hatched June 27th, and completed its first moult early July 2nd. The moult occupied about 30 hours.

*After First Moulting*—Length 6 lines. Head nearly spherical, with greenish tint. Body linear, light green in color. A lateral whitish line extends from the mouth to the caudal horn, which, as the age advances and size increases, is revealed to be composed of several lines as follows: A sub-dorsal line extending from each side of the mouth to the upper part of the eyes, and thence back to the rear of the 4th segment of the body; a similar line runs obliquely from the lower part of the 4th segment, under and just including the stigmal point, upwards and backwards to the rear of the 5th segment, meeting it just below the dorsal line. This is followed by five other and parallel lines, each beginning and ending one segment further back, except the last, which extends across the three last segments up to the base of the caudal horn. There are faint indications of other lines at the lower part of the 10th and 11th segments. The caudal horn is a violet purple, becoming towards the end of the age lighter in color, and during the age is always held parallel with the body. The second moult was completed early July 6th, occupying about 24 hours.