

SOME NEW SPECIES OF NOCTUIDÆ.

BY G. H. FRENCH, CARBONDALE, ILL.

Dicopis vitis, n. s.

Imago—Length .50 of an inch. Expanse of wings 1.35 inches. Head, prothorax and thorax gray, the second tipped a little with light and containing a fine dark line. Abdomen yellowish gray. Color of primaries below a line running from the outside of the basal line on the costa to near the hind angle, light gray; above this line dark gray, with a slight smoky tinge. The stigmata, a space along the costa in front of the stigmata, the apical space and the subterminal space one-third of the distance from costa to hind margin, the same light gray as the hind or inner part of wing, mottled a little with smoky spots. Basal line obsolete except on the costa. T. a. line black, double, the inner part very faint, strongly but regularly arcuated, the end of claviform connected with it outwardly; from this a brown dash runs to the t. p. line. Transverse shade scarcely visible. T. p. line faint, nearly parallel with the outer margin. Subterminal line scarcely distinguishable save by the dark brown in the terminal space. The brown is in the form of shaded points in the middle that run to the outer margin. Outer margin light gray. Fringe dark gray interrupted with white at the ends of the veins. Secondaries grayish white with a blackish outer border.

Larva—Length when fully grown 1.25 inches. Ground color green, marked as follows with greenish white: very faint dorsal line bordered each side with a darker shade of green, subdorsal line distinct, stigmatal faint, neither of these bordered with darker green. Besides these lines, the body is irregularly mottled with small spots of the same greenish white color. Head a little smaller than the other segments, of a nearly uniform green.

The chrysalis is subterranean; the anal end tipped with four bristles, two rather stout, the other two about half as long as the first two and more slender. The larva was found on a grape vine, upon the leaves of which it fed while in confinement. It is single brooded, pupating the last of June and producing the imago in the following March.

Described from one ♀.

Orthosia signata, n. s.

Length .70 of an inch. Expanse of wings 1.50 inches. Color of head, prothorax and thorax rich cinnamon brown; the abdomen the same