

cocoon, had claimed 85% of the larvæ encountered. Larvæ were observed in the following stages.

Stage V.—The general features as given for the preceding species apply. The colour is a warm shade of brown, the longitudinal lines are narrow and not so contrastingly white, the dorsal alone continuous. On joint eleven tubercles III and IIIa are fused into a plate about three times the size of the spiracle, IIIa occurs distinctly on the preceding abdominal joints; on joint twelve the plates are stronger than with the compared form.

Stage VI.—Little change, colour paler and more of a sienna tint, tubercles appear with better prominence.

Stage VII.—General characteristics normal; colour a pale, dull, pinkish hue, fading to translucence at the sutures; lines indistinct; the blackish tubercles stand out in greater prominence, of the lateral ones, III on joint two, and the fused III and IIIa on joint eleven are most conspicuous, the latter constituting the chief specific character. This plate is four or five times the size of the spiracle. Setæ are so weak as to be unnoticeable without a lens. The first pair of prolegs on joint six are aborted in early stages, and never develop so fully as the succeeding three pairs; crochets here number twelve, while for joint nine the number is eighteen. Larval length, 30, 38, 46 mm., for the stages respectively.

A feature of individuality with *stenocelis* is the prominence of tubercle III on joint eleven, which has evidently taken in IIIa. While these plates often coalesce in other species of the genus, there is not the comparative enlargement as in this case. *Cerussata* and *cataphracta* are examples of large tubercle development, III and IIIa fuse, in this instance, into a large plate with them. But it does not reach the proportions attained in *stenocelis*. With *inquaesita* this plate is of unusual size, since the remaining tubercles are so very weak. Tubercle IIIa on the abdominal joints of Noctuid larvæ seems always obscure and generally wanting, especially is this so on joint eleven. With such a well tubercled larva as that of *Achatodes zeae*, IIIa seems normally wanting on