

isabella, though resembling it more in shape than that of *viticordifoliella*, which is nearer to it in size. That of *nyssæfoliella* I have not seen. It requires careful observation to distinguish the species. They are more readily distinguished by their cases than by the marks of the imago; *hydrangeælla* and *ampelopsiella* may be distinguished at once from the others by the possession of the apical spot, but they require close observation to distinguish them from each other. So likewise do *isabella*, *nyssæfoliella*, *cornifoliella* and *viticordifoliella*; *cornifoliella* and *isabella* are, however, of a duller darker brown than the other two, and *viticordifoliella* likewise has white annulations towards the tips of the antennæ.

I have not seen any of the European species, but comparing our species with the figures of *Pfeifferella* and *Treitschkiella* in Nat. His. Tin., vii., the latter are much paler or lighter in color than our species.

NOTES UPON THE PREPARATORY STAGES OF CERTAIN SPECIES OF BUTTERFLIES. NO. I.

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

I have in my note-books descriptions of one or more stages of several species, of which no part of the life-history has hitherto been published, and I propose, with the permission of the Editor, to give them in a series of three or four papers.

I. ERESIA TEXANA, Edw. (*Cincta*, Edw., *Smerdis*, Hewn.).

On 13th Sept., 1878, I received from Mr. J. Boll, Texas, a lot of newly-hatched larvæ. The eggs were laid in cluster upon the leaf of *Diclippa*, on 7th Sept., and were immediately mailed to me, arriving five days after. Nearly all the plant had withered, but there was a little green about the flower-heads, and the larvæ fed upon this till it was consumed. I put in the glass with them leaves of *Aster*, on which *Tharos* and *Nycteis* feed; of *Actinomeris squarrosa*, on which *Nycteis* feeds, and *Chelonia barbata*, the food of *Phaeton*, but for some days the larvæ refused all and most of them died. About a week after their arrival I found the few survivors were eating *Actinomeris*, and thenceforth