

Subgenus *HESPEROCORIXA*, nov. subgen.

This has the characters of *Arctocorixa*, Wallengr. (*sens. lat.*), but differs by the non-rostrate pronotum and tegmina and the non-lineate pronotum. From *Agraptocorixa*, Kirk., it differs by the total absence of black hairs, the surface being polished. From *Corixa*, Geoffr., it differs by the ♂ asymmetry being on the other side, and by the absence of lineations. It may prove a good genus.

3. *H. Brimleyi*, sp. nov.—Head, fore legs, middle femora and claws, hind coxæ, etc., pale yellow. Eyes gray-brown. Pronotum and tegmina pale ferruginous, sometimes suffused with sanguineous, base of clavus and a large spot near apex of corium blackish-brown. Sterna, meso- and metanotum and abdomen black or blackish, pleurites and apical segment of abdomen yellowish, partly suffused with red. Middle tibiæ and hind femora and tibiæ sanguineous, the fringe on the latter golden-brown.

Pronotum short, very transverse, polished, very faintly rostrate, if at all, obsolescently keeled percurrently. Tegmina smooth and polished, obsolescently punctured, non-lineate, membrane angularly rounded at the apex. Middle tibiæ one-eighth longer than the tarsi, which are equal to the mutually equally long claws.

♂.—Face slightly flattened in the middle, scarcely excavated. Pala cultrate, with a closely-set row of about 28 pegs. Strigil rather large, oblong, oval, with five subeven rows.

♀.—Pala elongate cultrate.

Length, 9 mill. Hab.: Raleigh, N. C. (Brimley).

This is very distinct from any other American species known to me.

EARLY STAGES OF NORTH AMERICAN MOTHS.

BY HENRY ENGEL, PITTSBURG, PA.

Eutotype bombyciformis, Smith.

Ova.—Rose-pink, round, base flat, top depressed, 36 vertical ridges terminating in a raised circle at the crest. Ridges serrate, tipped whitish. Micropyle slightly raised and white.

Diameter, 0.80 mm. Height, 0.50 mm.

Eggs deposited April 30—May 2nd. Larvæ hatched May 13-14th.

First Stage.—Length, 2.50 mm. Head bilobed, a little wider than body, glossy black, covered with short hair. Mouth-parts black. Thoracic shield brown, trapezoid in outline. Body pale green, shaded with brown dorsally on thoracic segments. Thoracic legs pale green, claws black. Abdominal legs green, with two brown patches outwardly, the smaller one just above claws. Tubercles small, black, with short black setæ.

April, 1908