

OBSERVATIONS ON SEVERAL SPECIES OF AGERIADÆ
INHABITING THE VICINITY OF BUFFALO, N. Y.

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In this communication it is my purpose to record such of my observations on some local species of the "clear-wings" as it is deemed are real contributions to our knowledge of the group. I shall say more or less about the following species: *Aegeria tricineta*, *pini* n. s., *pictipes*, *acerni*, *pyri*, *tipuliformis*, *exitiosa* and *Trochilium denudatum*. There are other species known in our fauna, but these only have been encountered in the fields.

Aegeria tricineta Harris.

During June and July last I obtained several examples of this moth from larvæ secured in April. These larvæ were taken from branches, suckers and small trunks of *Populus canadensis* growing on low lands along the Niagara below the city. The smaller ones were sometimes found in the sap-wood or just beneath the bark, but the larger ones were generally in the centre or pith of the stems; on the smaller stalks they cause considerable galls, quite as prominent as those upon the willow branches made by the larva of the Tortrix, very abundant in the same locality. These poplars are badly infested by the larvæ of *Saperda moesta*, and I am of the opinion that the moth places her eggs in the deserted burrows of the beetle, the young caterpillars thus easily gaining access to the wood, its home for at least a year. The swellings on the branches caused by the beetle become more enlarged by a second occupation. I have taken them from the stem just above ground, and from limbs of trees many feet high.

The larvæ, when taken, April 15, were of two distinct sizes, the larger measuring from .9 to 1.1 of an inch in length, the smaller .5 of an inch and less. The former appeared to increase but slightly before pupation. The color is dull white with a darker line along the dorsum; head quite strongly bilobed, light brown, jaws and clypeus black; the first ring smooth, slightly clouded with brown, two irregular oblique marks from posterior border outwards to front edge. Body somewhat attenuated toward either end; transverse wrinkles, especially on thoracic rings, well marked; in the small ones there is a slight medio-dorsal indenture; there are also lateral sub-stigmatal wrinkles. Stigmata elliptical, brown, last pair large,