

# The Canadian Entomologist.

Vol. XLIV.

LONDON, AUGUST, 1912.

No. 8

## GEOMETRID NOTES.

### REVISION OF THE GENUS HYDRIOMENA HUB. GROUP WITH MODERATE PALPI.

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8. *Hydriomena autumnalis* Ström (Det. Kgl. Danske Vid. Skrift. Selsk., p. 85, 1783). Palpi moderate.

We have generally regarded as typical *autumnalis* a grayish form with clear mesial space and slate-coloured bands, bordered with olive. It occurs in June and July in both Europe and America, but there is a May brood which we do not commonly get here. We imagine our species to be the same as the one that is found in Europe, but do we really know the form that Ström described as *autumnalis*? It seems strange that a geometrid occurring only in the early summer should be called *autumnalis*. This same doubt seemed to arise in the mind of a German specialist, for Hoyningen-Heune, in the Berl. Ent. Zeit., Vol. 51, p. 254, 1906, discusses this question, and pleads for the name *trifasciata* Bockhausen for this form. He claims it answers Bockhausen's description better than Ström's, which seemed to him to apply to some unknown or unrecognizable species, possibly *Larentia autumnalis* Bockhausen. Perhaps he is correct, but it would be hard to prove, as Ström might have called it *autumnalis* from his having found the larvæ in the fall or for various other reasons. Since nearly every collector recognizes it by the older name, *autumnalis*, and it is difficult to prove otherwise, I think it better to retain this name. The form found in America is very close to the European in colour and markings, but there are slight differences which, should the genitalia prove different, would refer it to *pluviata* Guenée (Phal., II, p. 378, No. 1505, 1857). Guenée states that the American form has more pointed fore wings, the lines are not so close together, and those bordering the mesial band are more oblique and that the median space is larger. He mentions having a specimen with the mesial space shaded with pink, and to this