



NEW SPECIES OF AUSTRALIAN MACRO-LEPIDOPTERA (HETEROCERA).

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[Read before the Royal Society of Queensland, July 25th, 1891].

The two new species of *Ægeriidae*, of which the following are descriptive, are especially interesting as representing genera hitherto supposed not to occur in Australia; indeed, Mr. Meyrick, in his paper ("Revision of Australian Lepidoptera"), in Proc. L. Soc. N.S.W. (2), I. p. 687 (1886), rather rashly observes "the family (*Sesiadæ*) barely reaches Australia, being only represented by stragglers of one genus (*Sesia*)," thus further illustrating the uselessness of attempted conclusions derived solely from observations of fragmentary representatives of the fauna of any locality.

The insects under notice were collected by Mr. Rowland E. Turner, of Mackay, who has kindly lent them to me for examination.

Family—*ÆGERIIDÆ*, Steph.

Brit. Ent. Haust. I. p. 136 (—); Walk. B. M. Cat. Lep. Het. VIII. p. 7 (1856); West. Int. Mod. Class. Ins. II. p. 373 (1840).

Sesiaræ, Bois., Ind. Meth. p. 41 (—).

Shalænina *Ægeriites*, Newm. Ent. Mag. II. p. 384 (—).

Trochiliidæ, West and Humph., Brit. Moths, I. p. 32 (—).

Sesiadæ, Latr.; Herr Schff; Bois., Sp. Gen. Lep. Het. I. p. 381 (1874); Meyr., Proc. L. Soc. N.S.W. (2) I. p. 688 (1886).

Genus: *TROCHILIUM*, Scopoli.

Introd. ad. hist. natur. sis. gen. Lep.

Herr Schff; Staud.: Steph., Brit. Ent. Haust. I. p. 137 (—).

Sphecia, Hub., Verz. bek. Schmett. p. 127 (—); Steph., Cat. Brit. Lep. p. 30 (—); Walk. B. M. Cat. Lep. Het. VIII. p. 8 (1856).

Ægeria, p. Fab., Syst. Gloss.; Newm.

Sesia, p. Laspeyres; Fab.; Latr.; Godt.; Ochs.; Dup.; Bois.; Ind. Meth. p. 41 (—).

T. CUPREIFASCIA, n. sp.

♀ *Primaries*: Costal edge black; outer border narrowly black; fringe black; transverse vein elbowed, narrowly black, bordered outwardly with coppery band; principal veins coppery. *Secondaries*: Costal border coppery; fringe black. Beneath same. Antennæ: above, reddish brown; beneath, lighter. Face, white. Palpi: above, reddish brown; beneath, white. Thorax: black, with narrow orange band in front and behind; beneath, black. Abdomen: black, with two orange bands at base, the hinder of which is widest, and three at anal extremity, all narrow; beneath, black, alternated with narrow creamy bands. Legs: orange, except at base and joints, which are black: tibia of hind legs clothed internally with fringe of long dark hair.

Exp. of wings: 27 mm; length of body, 13 mm.

Hab.: Mackay. Coll.: Turner.

Genus: *MELITTIA*, Hubn.

Verz. bek. Schmett. p. 128 (—); Walk. B. M. Cat. Lep. Het. VIII. p. 66 (1856); Bois. Sp. Gen. Lep. Het. I. p. 468 (1874).

Trochilium, p. Westw.

Ægeria, p. Harris.

M. CHALYBESCENS, *n. sp.*

♂ *Primaries* : Costal and hinder borders margined with black, outer borders broadly so; transverse vein broadly margined inwardly the same; central vein margined with black, leaving but a narrow longitudinal transparent area before the transverse vein, intersected by central vein, and a narrow transverse hyaline band beyond, intersected by three veins; outer marginal band dusted with steel blue, costal band the same sparingly; fringe black. *Secondaries* : With fringe black, well developed, all the veins distinctly black. *UNDERSIDE* the same, except that the black parts are of a rusty hue, and the blue dusting is hardly discernible. *Antennæ* : dark brown, palpably hooked. *Palpi* : brown, beneath white. *Face*, grey. *Thorax and abdomen* black, dusted with steel blue; segmental joints, laterally, steel blue; abdomen beneath, white. *Legs* black; hind pair densely pilose to the claws, with black hairs occasionally interrupted with white and blue, steely blue especially apparent at base, on upper side.

Exp. of wings : 31 mm; length of body, 17 mm.

Hab. : Mackay. Coll. : Turner.

Meyrick gives three species of *Egeria* (or, as he prefers to term the genus, *Sesia*) as Australian; his two last, however, are doubtfully distinct.



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