

III. *New or little-known Heterocera from Madagascar.* By  
Sir GEO. H. KENRICK, F.E.S.

[Read May 2nd, 1917.]

PLATES I-VI.

IN continuation of a paper read before the Society on November 5th, 1913, I now submit a further list of insects taken in Madagascar by Mr. Felix B. Pratt in 1910.

There still remain the *Geometridae* to be described, and among them there appear to be many interesting forms.

I have again to thank Sir George Hampson and his assistants for their very kind help in the work of identification.

I wish that it had been possible to compare the insects with types to be found in Continental cabinets before publishing these descriptions, but as that is out of the question for the present, I let these go out as they are.

NOTODONTIDAE.

*Stauropus malgassica*, sp. n. Plate I.

Head, thorax, base and shaft of antennae, upper part of palpi white; base of palpi and fringes round eyes dark brown; antennae chestnut; legs white, tarsi blackish; abdomen, base and last two segments white, remainder grey. *Fore-wing* white; an oblique basal black line from costa to cell; followed by an antemedian black line, oblique with strong angulation in the cell, and a thickening at inner margin, which in the female develops into a round spot; the median line is faint and not visible beyond the middle of the cell; the postmedian line has three distinct angulations and the subterminal is composed of 6 V-shaped marks; there are 4 dark dots on the costa beyond the postmedian line. *Hind-wing* white, slightly fuscous towards the inner margin, with a dark subterminal line. Exp. 50 mm.

*Stauropus lilacina*, sp. n. Plate I.

Head, thorax, and legs pale grey; tibiae darker, antennae dark brown, abdomen grey, the two last segments lighter. *Fore-wing*  
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pale grey suffused with lilac with dark brown lines; basal line oblique and diffused, antemedian line oblique and angulated; median line faint and interrupted; postmedian double, angulated, and not very oblique; in the female with a round spot just before the inner margin; subterminal line composed of 6 V-shaped markings; a more or less pronounced dark shade beyond the antemedian line, most conspicuous towards costa. *Hind-wing* dark grey, fringes pale. Exp. 50 mm.

**Scalmicauda obliquifasciata**, sp. n. Plate I.

Head and legs reddish brown, palpi paler, antennae and collar dark brown; thorax above pinkish; abdomen dark at the base, then ochreous, but tuft blackish. *Fore-wing* pinkish brown, with a brownish cloud, more or less intense, from cell to costa; a fine double line from middle of inner margin to apex; an irregular dark brown transverse line at base, reaching half across wing, followed by an angulated antemedian line; the 3 stigmata are of the ground-colour, but outlined by fine dark lines fringes dark. *Hind-wing* pale straw-colour with fringes concolorous. Exp. 44 mm.

Varies a good deal in intensity of colour, and the stigmata in some specimens are more or less black.

**Scalmicauda ochreopicta**, sp. n. Plate II.

Somewhat like the foregoing, but has no oblique line; the stigmata are barely discernible, and in most specimens the area at base of wing and at the angle is spotted with pale ochreous. *Hind-wing* much darker than in the preceding species. Exp. 40 mm.

**Scalmicauda pratti**, sp. n. Plate II.

Head, legs, palpi, and thorax reddish brown, shaft of antennae pale; abdomen reddish brown, paler beneath, tuft of the same colour. *Fore-wing* reddish brown, mottled with pale ochreous, which forms a patch extending from cell to near apex; a black spot at base of wing, and a whitish horizontal line extending from base to near middle of inner margin, where it meets an irregular transverse pale line extending to costa; a black streak at end of cell, and a pale postmedian waved line with dark border; 8 black dots form a subterminal line, and a pale line precedes the margin. *Hind-wing* reddish ochreous. Exp. 34 mm.





*Perlgea griseata*



*Borolia parvula*



*Macrosemyra robusta*



*Borolia lithargyroides*



*Acosmetia malgassica*



*Traehea leucopicta*



*Traehea triangulata*



*Scalmicauda ochreopicta*

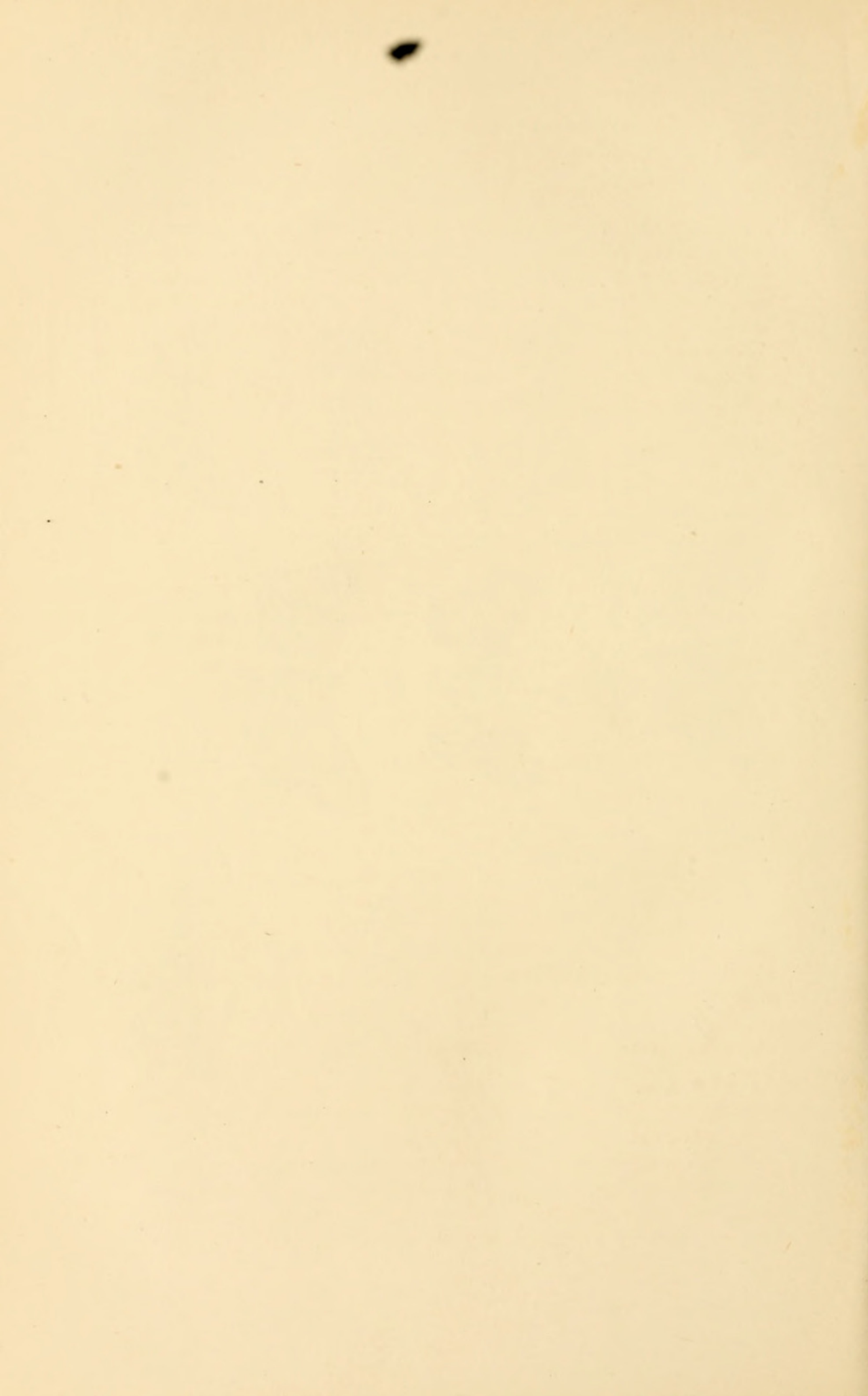


*Scalmicauda pratti*



*Eutelia ochreoplagata*

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NOCTUIDAE.

**Trachea triangulata**, sp. n. Plate II.

Head, legs, palpi, and thorax pinkish ochreous, a pale line at base of collar; abdomen ochreous at base and then pinkish. *Fore-wing* pale pinkish brown, with a conspicuous triangle having its apex on inner margin, and of a dark chestnut colour; inside the base of the triangle is a semicircular band of the ground-colour. The triangular marking is edged with a fine pink line, and there is a straight subterminal line. *Hind-wing* whitish ochreous, fringes of both wings pinkish. Exp. 30 mm.

**Daseochaeta malgassica**, sp. n. Plate IV.

Head, legs, palpi, and thorax apple-green with black markings, antennae pale brown; abdomen blackish with pale green tufts, the last segment bright green. *Fore-wing* apple-green, with 7 or 8 black spots on costa, a black basal patch and antemedian, median, and postmedian interrupted black lines, the latter connected above the inner margin by a black dash to the subterminal line, which is outwardly bordered by a silvery white line; there are also black dashes along the inner margin, and a row of black dots on the hind margin. *Hind-wing* uniformly smoky with two transverse darker striae, fringes paler. Exp. 42 mm.

**Hypoperigea minuscula**, sp. n. Plate I.

Head, legs, and palpi ochreous with a pink tinge, antennae dark brown; thorax ochreous with scattered black scales; abdomen ochreous with a smoky tinge. *Fore-wing* dark brown with ochreous spots, the whole suffused with a faint purple gloss; a dark basal line is followed by two ochreous blotches and then an antemedian line; the postmedian line is parallel with the hind margin, and between them are three ochreous blotches, besides a small one at end of cell; both inner and hind margins have ochreous patches on them. *Hind-wing* uniformly smoky, fringes paler. Exp. 36 mm.

**Hypoperigea variegata**, sp. n. Plate I.

Head and palpi reddish ochreous; antennae pale brown; legs ochreous with dark rings on tarsi; thorax whitish above, patagia dark; abdomen dark ochreous paler between segments. *Fore-wing* dark yellowish grey, with pale ochreous blotches; a whitish spot at base, with indications of a dark basal line; an interrupted black antemedian line, and a curved and angulated postmedian line; the stigmata outlined with black, and the reniform filled with



white and continued beyond, making a large round spot. There are two pale blotches on the inner margin, and two on the hind margin, with a dark streak between them. *Hind-wing* very pale with dusky margin, fringes pale. Exp. 40 mm.

***Perigea rubidata*, sp. n. Plate I.**

Head, antennae, palpi, and legs reddish, the tarsi ringed with darker, collar dark with whitish crest; thorax and patagia dark with whitish scales; abdomen reddish brown with darker crests and yellowish tuft. *Fore-wing* dark brown suffused with pink, costa broadly covered with whitish scales; a conspicuous curved central streak from base to costa very dark, and a dark spot on costa beyond end of cell. The stigmata are pale, but the clavi-form has a dark streak in it; there is an indistinct pale subterminal line, and some dark streaks before the hind margin. *Hind-wing* reddish brown. Exp. 42 mm.

***Perigea griseata*, sp. n. Plate II.**

Head, antennae, palpi, and legs reddish, the tarsi ringed with darker; collar dark brown, patagia pale ochreous; abdomen yellowish ochreous, crests not developed. *Fore-wing* whitish ochreous, the stigmata, which are large, outlined with black, with a black space between them; an antemedian line starting from near base on costa curves outward to inner margin; a postmedian line is nearly straight, the space between these is filled in with dark blackish-brown; there is a waved and interrupted subterminal line, and some dark streaks near it. *Hind-wing* uniformly ochreous, fringes paler. Exp. 38 mm.

***Macrosemyra robusta*, sp. n. Plate II.**

Near to *M. tenebrosa*, Butl., but the wings are squarer, and the insect decidedly stouter. Head, legs, palpi, and antennae brown; thorax and abdomen darker and shaggy. *Fore-wing* with scales slightly raised, giving them a rough appearance, dark brown, but the costa bright brown, especially underneath; indications of the beginning of a dark antemedian line on costa, and a stronger dark subterminal line begins on the costa before the apex and is continued to vein 4. *Hind-wing* uniformly dusky, fringes rather paler. Exp. 36 mm. One ♂.

***Borolia carneotincta*, sp. n. Plate I.**

Antennae of male ciliated. Head, palpi, legs, and collar yellowish-ochreous, antennae darker; patagia ochreous, abdomen smoky,



tuft ochreous. *Fore-wing* yellowish olive suffused with pink, divided longitudinally into three folds, the costa and edge of second fold pale pink; indications of a dark first line; a triangular olive blotch midway along costa, a black dot on vein 5 forming part of a postmedian line; the hind margin is broadly suffused with fuscous, and there are a few black subterminal points. *Hind-wing* greyish with faint dark lunule, fringes paler. Exp. 30 mm.

***Borolia parvula*, sp. n. Plate II.**

Antennae of male nearly simple. Head, palpi, legs, antennae and thorax reddish ochreous, abdomen rather darker. *Fore-wing* reddish ochreous, with veins paler, but rather more colour in the cell; a short dark streak from the base under the cell, two or three dark specks along the costa indicating a postmedian line, a small black dot below the middle of the cell, and another more conspicuous two-thirds along the inner margin from the base. *Hind-wing* of male pale ochreous, of female pale grey. Exp. 26 mm.

***Borolia lithargyroides*, sp. n. Plate II.**

Head, thorax, palpi, antennae, and legs pinkish ochreous, abdomen less pink. *Fore-wing* pinkish ochreous, with a central shade and a triangular shade below apex; on the central shade at the end of the cell is a short white longitudinal streak, and above this a black dot; both antemedian and postmedian lines are represented by a few black dots, and the subterminal line by a complete row. *Hind-wing* grey, fringes pinkish. Exp. 28 mm. One ♀.

***Acosmetia malgassica*, sp. n. Plate II.**

Head, legs, antennae and palpi greyish brown; thorax grey, the collar divided into two prominences; abdomen greyish ochreous. *Fore-wing* dark grey with a purplish gloss; indications of ante- and post-median lines, subterminal line paler. *Hind-wing* pale grey. Underside whitish, thickly irrorated with grey. Exp. 28 mm.

***Paracaroides pratti*, sp. n. Plate I.**

Head, antennae, palpi, and legs chestnut; thorax darker, but with patagia paler; abdomen yellowish ochreous. *Fore-wing*: the disc is sparsely covered with scales, while the margins have a thicker coat so as to appear decidedly raised; pale ochreous, darker towards margin, the costa chestnut, with a few white scales; the inner and hind margins have a pale band, followed by one nearly black; there are two small dark dots at end of cell; fringes purplish.



*Hind-wing* ochreous, darker round the margins, fringes pale. Exp. 38 mm.

***Trachea leucopicta*, sp. n. Plate II.**

This species falls among the section in which the males have lateral tufts of hair on the abdomen.

Head, palpi, and legs black, with white spots, antennae chestnut; thorax black with a dorsal white streak, and white on the patagia and back of collar; abdomen ochreous, inclined to fuscous above, the crests darker, tipped with white. *Fore-wing* black, with white markings, the median area partly suffused with lilac, an irregular three-lobed white blotch at base; the antemedian line white, angulated, and running into a square white spot on inner margin; the orbicular and reniform stigmata black with white margins. A large white blotch fills the remainder of the wing beyond the postmedian line, but it is interrupted by a square patch of black at the apex, with two white spots in it, and by an irregular black patch at anal angle which is connected to the central area. *Hind-wing* fuscous, but whitish at anal angle. Exp. 40 mm.

***Elaeodes proteoides*, sp. n. Plate I.**

Head, palpi, antennae, and collar, pale pinkish ochreous; legs the same colour, with tarsi ringed with darker, the long hairs on tibiae paler. *Fore-wing* greenish with purple blotches; antemedian and postmedian lines pale with darker margins; reniform and orbicular stigmata with some pink and darker markings, outlined by a pale line; a row of subterminal black dashes, fringes spotted. *Hind-wing* brownish with pale fringe, and paler at the base; a faintly darker lunule and on the underside a dark stria. Exp. 32 mm.

***Hypocalymnia gloriosa*, sp. n. Plate IV.**

The venation of the hind-wing does not agree with Hampson's figure, p. 186, in this insect there is a distinct vein 5 from just above the lower angle of cell. Head and thorax greyish ochreous, legs, antennae, and palpi reddish ochreous. *Fore-wing* coppery shot with purple; an angulated pale stripe starting from thorax below costa reaches to inner margin, and turns at the hind margin, gradually becoming narrower; it is bordered on the outside by a chestnut semicircular line; the orbicular and reniform stigmata are of the same colour, and towards the hind margin on the disc are two small dark dashes. *Hind-wing* and fringes pale ochreous. Exp. 40 mm.



**Stictoptera pectinata**, sp. n. Plate IV.

If this insect does not constitute a distinct genus it should be placed in a separate division on account of the strongly pectinate antennae of the male, and the square-shaped wings; in other respects it follows the genus.

Head and terminal joint of palpi ochreous; legs, antennae and second joint of palpi rather darker; collar reddish ochreous, patagia purplish brown; abdomen dark grey with pale tuft. *Fore-wing* dark marbled with grey, green, purple and brown; basal line dark, margined with paler extending to cell; antemedian obscurely double, greenish; median line sharp and dark, but not extending to inner margin; postmedian line dark, angulated, and interrupted, followed by two brown blotches and a brown subterminal line. *Hind-wing* dark grey, subhyaline at base. What I take to be the female has plain antennae, and the patagia and basal half of fore-wing, together with a postmedian area pale grey. Exp. 31 mm.

**Eutelia aureopicta**, sp. n. Plate IV

Head, antennae, legs, and palpi pinkish grey; thorax and crests of abdomen coppery bronze, abdomen pinkish grey. *Fore-wing* bronze, with grey lines and chocolate blotches; basal line ill defined, followed by three chocolate patches; an antemedian angulated whitish line; the orbicular, a dark dot outlined with white; the reniform large, oblique, outlined with white, with a dark edging of chocolate on the inner side; three ill-defined chocolate patches on the hind margin, and traces of a double white subterminal line; before the middle patch is an oblique golden spot, followed by a minute dot of same colour. *Hind-wing* whitish, with a broad fuscous margin. Underside grey, with reddish suffusion towards the margins, and a white spot on costa before the apex. Exp. 30 mm.

**Eutelia ochreoplagata**, sp. n. Plate II.

Head, legs, antennae, and palpi dark fuscous; abdomen without crests, dark fuscous. *Fore-wing* purplish grey, with lines much darker; basal line broad, antemedian line double, one portion joining with central line on inner margin; the postmedian line angulated below costa, and preceded by a slightly paler patch; beyond this the apex becomes abruptly pale ochreous, and penetrating half of this patch is the subterminal line, consisting of six dark brown connected spots. *Hind-wing* purplish grey, inclining to ochreous at base, with three angulated transverse lines, the outer-



most dark brown, fringes dark. Underside fuscous, pale at the base, the apical patch dark yellow. Exp. 33 mm.

**Phlegetonia pratti**, sp. n. Plate III.

Near to *artipars*, but the male has the tibiae very heavily fringed with hairs, and the markings are somewhat different.

Head, palpi, legs and thorax entirely pale ochreous, antennae reddish ochreous; abdomen ochreous with darker crests. *Fore-wing* pale ochreous, with a faint purplish gloss and dark blotches; basal line indicated by a dark dot on the costa, the antemedian is a dark and sinuous line in the middle of a brown transverse blotch; there is a dark central spot, and a fine indistinct median line, followed by two others nearly parallel; the postmedian is a fine dark line, inwardly angled below cell and on vein 2; on its inner side near the costa is a pale blotch, surrounded by a dark triangular patch on costa in which are three pale costal dots; the subterminal line is fine and black, and there is a round dark dot near the angle on inner margin. In the female the whole wing is darker, and the markings are obscured by a dark grey central band. *Hind-wing* pale ochreous, with numerous striae and a double dark line from anal angle to middle of wing, subterminal line very fine and black. Exp. 40 mm.

**Blenina hyblaeoides**, sp. n. Plate III.

Palpi with second and third joint well developed; termen of hind-wing very slightly excised. Head, palpi, thorax and legs greenish grey, tarsi ringed with black, antennae dark; abdomen blackish above, with orange margins to the segments, ochreous below. *Fore-wing* greenish grey with faint pink reflections; first line black, joining a black basal streak; antemedian line oblique and angulated; three black dots at end of cell, followed by a much angulated postmedian black line, edged outwardly with paler; beyond this are some irregular dark brown tooth-shaped markings forming a subterminal line. *Hind-wing* orange, with broad fuscous margin and orange fringes; in one specimen there is a wide black transverse band quite absent in the other. Underside fore-wing fuscous, with paler costal band, interrupted by dark central spot. *Hind-wing* orange with dark marginal band. Exp. 33 mm.

**Chlorozada purpurea**, sp. n. Plate IV.

The position of vein 7 in the fore-wing differs from the type in leaving vein 8 beyond the end of the cell, but this is hardly sufficient for the creation of a special genus.





*Phlegetonia pratti*



*Corgatha subindicata*



*Xanthodesma rectangulata*



*Blenina hyblaeoides*



*Corgatha thyridoides*



*Gonepteronia bipunctata*



*Phytometra pratti*



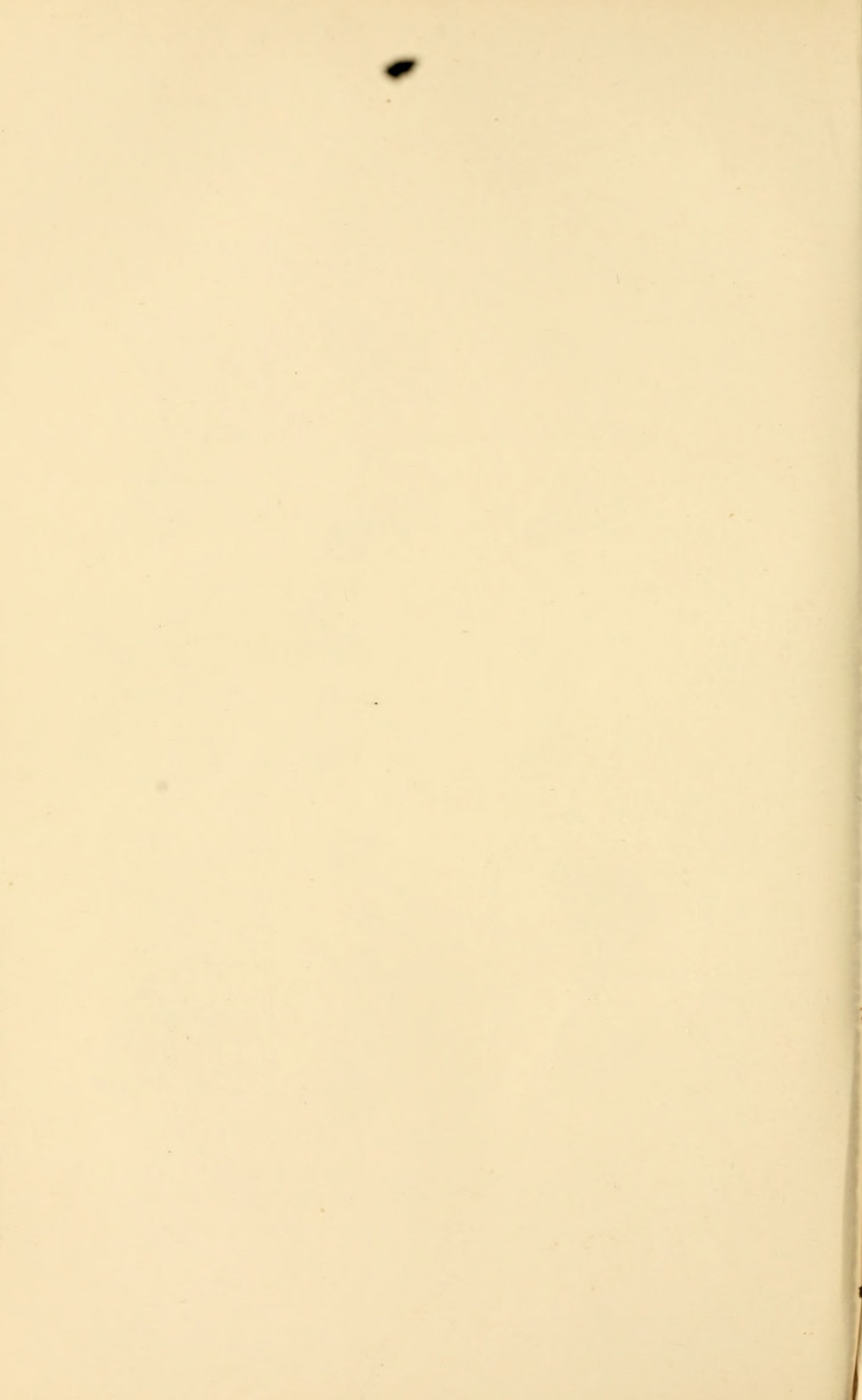
*Ozarba viridaria*



*Singara albomacula*

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*Eutelia aureopicta*



*Chlorazada purpurea*



*Daseochaeta malgassica*



♂



♀

*Stictoptera pectinata*



*Baniana callaxantha*



*Nigramma malgassica*



*Polydesma tessellata*



*Hypercalymnia gloriosa*



*Polydesma rectefasciata*



Antennae and palpi brown, head and patagia pale olive; legs white, abdomen and thorax purplish grey, paler below. *Fore-wing* whitish, with a purple cloud occupying the centre of the wing, and leaving a narrow pale external margin; traces of a dark basal blotch edged with white externally; a sinuous fine white antemedian line edged with darker; two dark dots in the central area, followed by an oblique fine white angulated postmedian line; the subterminal line takes the form of six dark dots on the pale apical area; there is a dark terminal line extending half way down the wing; fringes pink. *Hind-wing* uniformly grey, with pale fringes. Exp. 26 mm.

***Polydesma rectefasciata*, sp. n. Plate IV.**

Head and thorax fawn-colour; antennae, legs, and palpi dark brown with numerous pale grey hairs; abdomen fawn-colour above, the crests darker, paler below. *Fore-wing* hind-margin subangular, fawn-colour; antemedian line whitish edged with darker, much angulated and interrupted; stigmata represented by three minute dots, dark, edged with paler; from just before the angle to the costa there is a group of fine lines, nearly straight; the first is white, the second dark, the third pink, the fourth wider and dark brown, the fifth pale ochreous, forked at the top and expanding into an apical patch in which are two dark dots; beyond these lines there is a broad pink area. *Hind-wing* yellowish, broadly margined with fuscous, but again yellowish at the outer margin; a few whitish dots at the angle. Underside uniformly whitish thickly irrorated with black, a black transverse stria and central dot in both wings. Exp. 42 mm.

***Polydesma tessellata*, sp. n. Plate IV.**

Antennae, head, and thorax dark brown, palpi brown outside and ochreous inside; abdomen dark brown above, ochreous beneath, legs ochreous. *Fore-wing* brown with violet shade, the costa with a series of dark brown spots; a basal patch of ochreous irrorated with black, followed by an irregular double violet line; an indistinct dark median line and a strongly marked dark postmedian line; the reniform stigma outlined with a pale line, and with internal lunule; the subterminal line much angulated, double, and whitish, followed by a series of dark marks outlined with paler, and a thin terminal pale line, fringes rather paler. *Hind-wing* similar to fore-wing, the pattern of the outer portion forming a continuation of the pattern of the fore-wing. Underside ochreous, with lunules, and a



curved postmedian line in both wings; a row of black dots along the margin. Exp. 50 mm.

**Baniana callaxantha.** Plate IV.

After describing and figuring this insect, it was identified with *Baniana callaxantha*, Holl., but the figure could not be withdrawn.

**Phytometra pratti**, sp. n. Plate III.

Head, antennae, palpi, and legs smoky grey, thorax and abdomen rather paler. *Fore-wing* dark grey, with coppery reflections on the disc. Neither lines nor stigmata are visible, but there is a fine silvery line from inner margin near the base extending obliquely upwards to the cell, where it turns outward to form a silvery oblong spot, in continuation of which, but quite distinct is a second silvery oval spot. *Hind-wing* ochreous-grey. Exp. 40 mm.

**Nigramma malgassica**, sp. n. Plate IV.

Head, antennae, palpi, and legs, reddish ochreous; tegulae ochreous, with two darker transverse bands, patagia dark brown; abdomen reddish grey. *Fore-wing* pale ochreous clouded with reddish; a conspicuous oval basal blotch, edged with paler and not reaching either to the costa or inner margin; there is an antemedian darker fine line, not very distinct, and a similar postmedian line and three dark dots at end of cell; on the inner margin there is a pale dot near the anal angle, and at the angle another pale dot, from which extends upwards a pale subterminal line; on either side of this is a row of black dots. *Hind-wing* uniformly dark grey, fringes paler. Exp. 34 mm.

**Corgatha subindicata**, sp. n. Plate III.

Head and thorax pale ochreous, palpi, antennae, and legs reddish brown; abdomen pale at the base, but darker on the remaining segments. *Fore-wing* pale ochreous, clouded with brownish grey; antemedian line whitish, slightly angulated at cell, and edged with darker; central shade oblique, straight, and brown, reniform stigma indicated by a white margin; postmedian white, angled outwards below costa and oblique, terminating in the middle of inner margin; a fine interrupted subterminal line extends from below vein 2 to vein 5; beyond this is a distinct pale patch, followed by an angulated brown marginal line. *Hind-wing* pale ochreous, with two oblique dark lines, the outer one margined with white,



and beyond this are a few dark dots, fringes pale brown. The underside of both wings much darker than the upper, and the hind-wing has a well-defined dark margin. The angle of the hind-wing is strongly crenulated, possibly a sexual development. Exp. 26 mm.

***Corgatha thyridoides*, sp. n. Plate III.**

Head, palpi, antennae, and thorax reddish ochreous; legs reddish ochreous with the tarsi paler; abdomen reddish above, paler beneath. *Fore-wing* pale ochreous with reddish irrorations; basal line darker, extending from costa to middle of cell; a dark angulated antemedian line, followed by a dark central dot, and this again by an outwardly angled median dark line, beyond which the reniform stigma is outlined with darker; the postmedian line is strongly angled outwards at costa, and then continued obliquely to middle of inner margin; beyond this is a diffused reddish band, after which the wing is paler, with the subterminal line indicated by three black dots; in the apex there is an indistinct marginal row of dots. *Hind-wing* dull red, slightly ochreous at the base, with two transverse dark lines beyond which is a paler patch with some grey in it; the anal angle of the wing is strongly crenulate, as in *subindicata*. Underside paler, with similar markings. Exp. 28 mm.

This insect is figured by Saalmuller, but neither named nor described.

***Ozarba viridaria*, sp. n. Plate III.**

Head and thorax ochreous, with a faint reddish tinge; antennae, legs, and palpi rather darker; abdomen pinkish ochreous. *Fore-wing* dark grey, marbled with green with whitish lines; basal line indicated by dark dots on costa; an outwardly curved whitish antemedian line; the reniform stigma pale margined with darker; the postmedian line whitish, strongly outwardly curved at costa and margined on both sides with darker; beyond this the wing is whitish ochreous, with a half round dark spot on costa before apex and a grey cloud, with a few black terminal dots, before the hind margin. *Hind-wing* uniformly grey with paler fringes. Exp. 26 mm.

***Gonepteronia bipunctata*, sp. n. Plate III.**

Head, palpi, antennae, and legs dull reddish ochreous, tarsi ringed with white. *Fore-wing* dull reddish, minutely irrorated with ochreous; lines darker, antemedian angulated, sloping outwards from costa, median line nearly vertical, not reaching above





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