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## ON NEW GENERA AND SPECIES OF *LEPIDOPTERA PHALAENAE*, WITH THE CHARACTERS OF TWO NEW FAMILIES.

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### AMATIDAE.

299c. *Paramelisa dollmani* n. sp.

♂. Head and tegulae creamy white, the latter orange-yellow at base and tips, the antennae brown, white at base, thorax pale red-brown tinged with grey; abdomen with the two basal segments red-brown tinged with grey, the basal segment with minute subdorsal orange-scarlet spots, the other segments white, the 4th to 6th with subdorsal orange-scarlet bands edged with black behind, the 7th segment edged with orange-scarlet behind, the anal segment orange; pectus and fore femora behind orange-yellow, the fore tibiae and tarsi tinged with red-brown, the mid and hind femora orange above with some scarlet at extremities, the tibiae at extremities and tarsi, except at base, tinged with red-brown; ventral surface of abdomen white, with some scarlet and orange-yellow at base, a ventral series of small blackish spots, the anal tuft orange-yellow below (the tuft of hair at extremity of abdomen worn off). Forewing pale red-brown tinged with grey, the termen white towards tornus. Hindwing white, slightly tinged with red-brown. Underside of forewing with the costa whitish towards base, the whole area below the cell and vein 4 white; hindwing white.

♀. Head orange-yellow behind, the tegulae, thorax, and two basal segments of abdomen dark red-brown, the last with scarlet line at base, the 4th, 5th, and 6th segments grey-brown in front of the bands, and the two terminal segments grey-brown, the 3rd, 4th, and 5th segments with some orange-yellow on dorsum, and the 6th with scarlet spot, the anal tuft tipped with orange; pectus brown; wings uniform dark red-brown, tinged with grey above and below.

*Hab. N.-W. Rhodesia*, Solwezi (H. Dollman), 1 ♂, 1 ♀ type. *Exp.* ♂ 38, ♀ 44 mill.

p. 178. *Xanthoda* n. n.

The type of *Hyda* Wlk. is *singularis*, and the name has priority over *Chrysostola* Herr. Schöff. 1856.





745a. *Dinia invittata* n. sp.

*Dinia aeagrus* Druce, *Biol. Centr. Am. Het.* i. p. 63 (part) nec Cram.

Head, thorax, and abdomen black, the last with the lateral fringes of hair and the anal tuft except at base crimson, the tegulae and patagia with some metallic blue, and the abdomen with slight metallic blue dorsal streak on basal segments; coxae of male white. Forewing hyaline, the veins, base, and margins black; a strong oblique black discoidal bar conjoined to the costal fascia; the terminal band with slightly waved inner edge, slightly widening to apex in male, broadly in female. Hindwing hyaline, the veins and a broad terminal band black, the latter with waved inner edge.

*Hab. Mexico*, Guerrero, Tetetlapa (H. H. Smith), 1 ♂, 1 ♀ type, Godman Salvin Coll. *Exp.* ♂ 38, ♀ 40 mill.

Differs from *D. aeagrus* in the forewing being without the crimson stripe on inner margin.

## LITHOSIADAE.

## Nolinae.

61g. *Nola holoscota* n. sp.

♀. Head and thorax dark red-brown irrorated with grey-white, the palpi slightly irrorated, the antennae blackish; abdomen grey suffused with brown; pectus whitish at sides; legs red-brown, the tarsi ringed with white; ventral surface of abdomen blackish brown. Forewing dark red-brown irrorated with silvery grey; an indistinct darker brown bar from costa near base; tufts of raised scales in the cell before middle and in its extremity; antemedial line indistinct, dark, angled outwards to the tuft of raised scales in end of cell and very oblique towards costa and inner margin; postmedial line indistinct, dark, bent outwards below costa, then very slightly waved, oblique below vein 4; an indistinct, rather diffused, red-brown subterminal line defined on outer side by silvery grey scales, excurved below costa, then waved. Hindwing grey suffused with cupreous brown, the cilia red-brown with a fine pale line at base.

*Hab. Natal*, Karkloff (Platt), 1 ♀ type. *Exp.* 26 mill.

## NOCTUIDAE.

## Agrotinae.

272a. *Euxoa albiorbis* n. sp.

♂. Head and thorax white mixed with dark brown and red-brown, the tegulae with black line at middle, the patagia with fringe of black scales tipped with white at base; antennae with the shaft white, the branches brown; abdomen white suffused with red-brown, leaving white segmental lines towards extremity; pectus, legs, and ventral surface of abdomen white tinged with brown, the tarsi ringed with white. Forewing white mixed with dark brown, suffused with red-brown except on marginal areas, the terminal area more suffused with dark brown; double subbasal black bars filled in with white from costa and cell; antemedial line double, black filled in with white, crenulate; claviform



minute, defined by black, acute at extremity; orbicular pure white defined by black and with some black scales in centre, elongate elliptical; reniform with blackish centre and white annulus defined by black; an indistinct sinuous blackish medial line; postmedial line black defined on outer side by white, bent outwards below costa, then dentate, oblique below vein 4; subterminal line white, defined on inner side by blackish towards costa, and by dentate black marks from below vein 6 to below 2, dentate at veins 7, 6, 4, 3, 2; a lunulate black terminal line; cilia white tinged with red-brown. Hindwing silvery white; traces of a dark discoidal striga and of postmedial and subterminal lines; a fine dark terminal line; the underside with the costal area irrorated with brown, a blackish discoidal point and postmedial shade from costa to discal fold.

*Hab. S. Palestine*, El Faikhari (Austen), 2 ♂ type. *Exp.* 30 mill.

#### Hadeninae.

1536a. *Hyssia malaphaea* n. n.

*Hyssia sminthistis* Hmps., *A.M.N.H.* (8) xii, p. 593 (1913) nec Hmps. 1905.

#### ZENOBIANAE.

3264a. *Hypoplexia mictochroa* n. sp.

Antennae of female bipectinate with short branches to near apex.

♀. Head and thorax purplish red mixed with whitish and black, a black line behind the tegulae; antennae black barred with white above; palpi black-brown; abdomen dark brown tinged with grey, the basal crest purplish red; pectus, legs, and ventral surface of abdomen black-brown, the tarsi ringed with white. Forewing purplish red mixed with some black and white, the veins streaked with leaden grey; double subbasal black striae from costa, a slight diffused mark below the cell and oblique shade above inner margin; ante-medial line black defined on inner side by white, oblique, waved; claviform minute, defined by black; orbicular purplish red, with whitish annulus defined by black, round; reniform leaden grey with incomplete red annulus defined by black except above; postmedial line white defined on inner side by black, and with large patches of black suffusion before it beyond the cell and below vein 3, bent outwards below costa, then slightly waved, oblique below vein 4, some white points with black between them beyond it on costa; subterminal line white, reduced below vein 6 to points on the veins defined on inner side by blackish, excurved at vein 6; a terminal series of slight black lunules; cilia dark leaden grey, chequered with purplish red at tips. Hindwing glossy fuscous brown tinged with grey; a curved blackish postmedial line; cilia whitish at base, with blackish line at middle and purplish pink tips. Underside of forewing fuscous, the inner area whitish, the costa and termen irrorated with reddish and whitish, the postmedial line black, arising below costa and incurved below vein 4; hindwing whitish tinged with purplish pink and irrorated with black, a black discoidal spot and curved postmedial line.

*Hab. Natal*, Pinetown (Platt), 1 ♀ type. *Exp.* 36 mill.



p. 466. *Palluperina* n. n.Type.  
*dumersli*

*Luperina* Boisd., *Ind. Meth.* p. 77 (1829), non descr.; nec *Luperina* Boisd., *Gen. and Ind. Meth.* p. 113 (1840) type *leucophaea* = *Pachetra* Guen. (1852) type *leucophaea* v. *Cat. Lep. Phal.* vol. v. p. 203.

3946a. *Athetis melanomma* n. sp.

♂. Head and thorax rufous mixed with some whitish, the antennae white tinged with rufous, the palpi blackish, the 2nd joint at extremity, and the 3rd joint whitish; abdomen whitish suffused with red-brown; pectus, legs, and ventral surface of abdomen red-brown mixed with white, the tibiae at extremities and the tarsi ringed with white. Forewing rufous irrorated with a few white scales; a dark subbasal line from costa to submedian fold, excurved below costa; antemedial line dark, oblique towards costa, then indistinct and waved, orbicular a small round black spot defined by white scales; reniform faintly defined by brown, and with some whitish points on its outer edge, a sinuous brown line from it to inner margin; postmedial line dark, excurved to vein 4, then oblique, and with slight black points beyond it on the veins except towards costa; subterminal line slight, dark defined on outer side by white scales, angled outwards below vein 7; a terminal series of blackish striae. Hindwing whitish suffused with red-brown; an indistinct dark discoidal spot and curved postmedial line; cilia white tinged with red-brown; the underside white, the costal area slightly irrorated with red-brown, and the apical half of terminal area more thickly irrorated, a dark-brown discoidal lunule and postmedial line excurved below costa and incurved below vein 3.

**Natal**, Durban (Platt), 1 ♂ type. *Exp.* 38 mill.

4110a. *Hypoperigea medionota* n. sp.

*Hadjina atrinota* Hmps., *Cat. Lep. Phal. B.M.* viii. p. 528. ♀ (nec ♂).

Head and thorax red-brown mixed with grey and some blackish, the antennae pale ochreous; abdomen ochreous tinged with rufous, the basal crest with some blackish; pectus and legs ochreous tinged with rufous, the tibiae and tarsi banded with black. Forewing red-brown mixed with grey; a black subbasal line from costa to submedian fold, slightly angled outwards below costa; antemedial line double, black, waved, and rather oblique; claviform defined by black; orbicular and reniform defined by black and with their centres defined by black, the former round, a black mark between their lower parts; a diffused waved red-brown medial line; postmedial line double, black, bent outwards below costa, then rather oblique, minutely dentate, and with minute black points beyond it on the veins, some white points beyond it on costa; subterminal line whitish, defined on inner side by diffused red-brown, slightly excurved below costa and at middle; the terminal area more suffused with red-brown; a terminal series of black points and a striga in submedian interspace. Hindwing whitish suffused with fuscous brown, the base and inner margin whiter; a fine dark terminal line; cilia white tinged with red-brown; the underside whitish, the costal half and termen except towards tornus irrorated with red-brown, a dark postmedial line from costa to vein 5.

**Hab. Br. E. Africa**, Eb. Urru (Betton), 2 ♀ (type *atrinota* ♀); Nairobi (Anderson), 2 ♂, 4 ♀ type. *Exp.* 28-32 mill.



4162. *Monodes hypophæa* n. n.

*Monodes hyposcota* Hmps., nec. *Eriopyga hyposcota* Hmps., *Cat. Lep. Phal. B.M.* v. p. 349. pl. xc. f. 9 (1903), which is a *Monodes*.

4681a. *Arenostola diamesa* n. sp.

♂. Head and thorax whitish, the head and tegulae except at base suffused with rufous, the antennae red-brown, the frons and palpi dark brown; abdomen whitish suffused with red-brown; pectus, legs, and ventral surface of abdomen dark red-brown, the tarsi ringed with white. Forewing grey-white slightly tinged with rufous, the inner half and interspaces of costal area towards apex irrorated with black, the veins of costal area and beyond the cell whitish; a blackish fascia below the cell and vein 4 to towards termen, diffused below; a black discoidal point and small subterminal spots below veins 6 and 2; a blackish terminal line; cilia white with a dark line through them. Hindwing whitish suffused with fuscous, the base paler; cilia white; the underside white tinged with fuscous, the costal area and terminal area to vein 2 irrorated with blackish.

*Hab.* Zululand, Eshowe (Platt), 1 ♂ type. *Exp.* 28 mill.

4812a. *Callyna polychroa* n. sp.

♂. Head and thorax black-brown tinged with leaden grey and irrorated with a few white scales, the back of head ochreous tinged with rufous; abdomen black-brown, the anal tuft brownish white except above; pectus, legs, and ventral surface of abdomen white mixed with dark brown, the fore tibiae and the tarsi blackish ringed with white. Forewing black-brown glossed with leaden grey, the costal area to end of cell and the cell ochreous tinged with rufous, at base extending to submedian fold, in which there is a slight black streak; a curved whitish subbasal striga from costa, the costal edge beyond it dark to the antemedial line, which is rufous defined on each side by whitish to median nervure and excurved below costa, then almost obsolete, represented by black and white scales and dentate; a small black spot below middle of cell; orbicular flesh-white, round, with a black spot between it and the reniform, which is represented by a rufous bar defined at side by flesh-white and with a minute black spot on its outer edge, its lower extremity produced to a small pure white spot; postmedial line oblique and defined on each side by white to vein 4, faint and rufous towards costa, then blackish, below vein 4 almost erect and formed by black points with minute dentate white marks on their outer side, a black streak beyond it above and below vein 5 to near termen, and the costal area beyond it rather darker with some white points on costa; a round, pure white apical spot, with a subterminal series of black points from it to vein 2 except at discal fold; a fine pale line at base of cilia. Hindwing pale brown with a cupreous gloss, the cilia white with a brown line at middle; the underside white irrorated with brown, the costal area suffused with brown towards apex, a brown discoidal spot and rather diffused postmedial line slightly angled outwards at vein 7, a faint subterminal line.

*Hab.* Philippines, Luzon, Mt. Makiling (Baker), 1 ♂ type. *Exp.* 38 mill.

4816b. *Callyna unicolor* n. sp.

♀. Head, thorax, and base of abdomen dark reddish-brown glossed with grey, the rest of abdomen grey suffused with brown, the antennae black, the



palpi irrorated with white; pectus, legs, and ventral surface of abdomen white suffused with brown, the tibiae white at extremities, the tarsi black ringed with white. Forewing glossy dark reddish-brown slightly irrorated with black; antemedial line slight, blackish, faintly defined on inner side by pale brown; orbicular and reniform large, faintly defined at sides by black, the former round, the claviform represented by a slight black mark; a faint oblique dark line from lower angle of cell to inner margin; postmedial line slight, black defined on outer side by pale brown, curved, dentate except at costa; a white subterminal striga from costa, diffused on outer side, then traces of a pale, waved subterminal line; a slight dark terminal line. Hindwing cupreous brown, the cilia with a whitish line at base and whitish tips; the underside white irrorated with red-brown, especially on costal area, the terminal area more suffused with red-brown except towards tornus, an indistinct, somewhat dentate red-brown postmedial line.

*Hab. Natal*, Durban (Platt), 1 ♀ type. *Exp.* 44 mill.

#### ERASTRIANAE.

##### 5028d. *Catoblemma goniaphora* n. sp.

♂. Head, thorax, and abdomen white mixed with some dark brown especially on head and tegulae, the antennae and palpi dark brown; pectus, legs, and ventral surface of abdomen white slightly irrorated with brown, the tarsi brown ringed with white, the anal tuft ochreous white. Forewing white suffused in parts with fulvous yellow to the postmedial line, the costa, postmedial and terminal areas black-brown mixed with some white; antemedial line fulvous yellow with dark striae at costa and inner margin, slightly waved, incurved below the cell; a slight white discoidal bar; postmedial line white defined on inner side by fulvous yellow, oblique and sinuous to vein 5, excurved to vein 3, then incurved and slightly waved; a faint, slightly waved, whitish subterminal line defined on inner side by the dark postmedial area, excurved below costa and at middle; a terminal series of small black lunules; cilia chequered whitish and black. Hindwing white tinged with brown; the underside with rather diffused curved dark postmedial and subterminal lines.

♀. Head, thorax, and abdomen dark brown mixed with some grey; forewing dark brown mixed with grey, the area to the postmedial line tinged with fulvous yellow, especially towards the postmedial line, the postmedial area blackish; hindwing dark brown tinged with grey, the cilia with a whitish line at base.

*Hab. Philippines*, Luzon, Los Baños (Baker), 1 ♂, 2 ♀ type. *Exp.* 18 mill.

##### 5580a. *Hiccoda roseitincta* n. sp.

♂. Head and thorax creamy white, the vertex of head with black streak, and the sides of frons with black points, the antennae black, the palpi black, white in front at base and the extreme tips white; abdomen pale rufous, the basal crest creamy white; pectus and legs white tinged with rufous, the tibiae and tarsi banded black and white. Forewing creamy white, the area beyond the cell suffused with pale pink except at costa, and the area beyond it tinged with pale olive to just before termen; some black striae from basal half of costa; a quadrate deep black patch in end of cell, extending to the costa, a curved



black mark below it in submedian interspace and a slight striga at inner margin ; postmedial line slight, black, excurved beyond the cell, then incurved and with some dark suffusion beyond it towards inner margin ; a fine terminal black line interrupted by white points at the veins and defined on inner side by white ; cilia black, chequered with white at tips. Hindwing white tinged with rufous ; a fine blackish terminal line ; cilia fuscous and white with a white line at base. Under-side white tinged with rufous except on inner areas ; forewing with the costa fuscous toward base, a diffused fuscous patch in end of cell with the costa above it black, a black postmedial bar from the costa followed by some white points ; hindwing with small black discoidal spot and some black irroration on medial part of costa, traces of a curved postmedial line ; both wings with terminal series of black striae.

*Hab.* "Germ. E. Africa," Lulanguru (Carpenter), 1 ♂ type. *Exp.* 16 mill.

### PHLOGOPHORINAE.

#### 6200a. *Bombotelia ethiopica* n. sp.

♂. Head and thorax red-brown tinged with purplish grey, the vertex of head whitish, the tegulae with a few black scales and a black patch at base ; antennae grey tinged with brown ; palpi white at extreme tips ; abdomen bright red-brown, the basal crest fiery red, the others tipped with black ; tarsi black-brown ringed with white. Forewing bright red-brown suffused with purple grey, the terminal area less suffused ; a subbasal black point on costa ; antemedial line with oblique black bar from costa and double inwardly oblique deep chocolate brown line from discal fold to inner margin, the outer line very slightly sinuous and forming a minute black mark in the cell ; reniform with sap-green centre and white annulus slightly defined by black, narrow and constricted at middle ; an oblique bright red-brown medial line from cell to inner margin ; postmedial line double, blackish, the outer line oblique and defined on outer side by bright red-brown to vein 6, then indistinct, incurved at discal fold, below which there is a slight red-brown mark on it, incurved and waved below vein 4, slightly angled outwards at vein 1, where there is a black point on its inner side ; a conical chocolate-red mark below costa before the subterminal line, which is white slightly defined on outer side by blackish towards costa, then represented by white scales tinged with sap-green, incurved at discal fold, below which there is a chocolate-red mark on its inner side, oblique between veins 4 and 2, then slightly excurved ; a terminal series of chocolate-brown points and striae with some white scales on their inner side towards apex. Hindwing grey-white, the terminal half suffused with purple except towards costa and inner margin ; a subterminal whitish striga at vein 2 connected with a whitish mark on termen above tornus ; cilia deep purple-red, white at tips. Underside purple-red, the inner areas white ; forewing with the reniform white, the postmedial line dark defined on outer side by whitish, excurved to vein 4, then incurved, subterminal white striae above and below vein 7 ; hindwing slightly irrorated with blackish, a large black discoidal spot defined by white, the postmedial line indistinct, double, curved, and somewhat dentate, a triangular black-brown subterminal mark above tornus.



♀. Much darker brown, more strongly suffused with purple-grey; the underside of hindwing with curved dark medial line and the postmedial line more distinct.

*Hab. Natal*, Durban (Platt), 1 ♂, 2 ♀ type. *Exp.* 26 mill.

6277a. *Chlumetia polymorpha* n. sp.

Antennae of male laminate and almost simple.

♂. Head and thorax fuscous black mixed with some grey-white; lower part of frons white; palpi purplish red mixed with some white, the tips white; abdomen purplish red and white, the basal segment sap-green and white, black segmental lines, the anal tuft fuscous at tip; pectus whitish; legs fuscous and whitish, the tarsi black, the tibiae at extremities and tarsal joints ringed with white; ventral surface of abdomen sap-green with some white at base and purple-pink at middle. Forewing black suffused with leaden-grey, the medial area beyond and below the cell grey tinged with purplish, the postmedial and terminal areas below vein 4 olive-brown; antemedial line black slightly defined on inner side by whitish to median nervure, then double and filled in with red-brown, minutely waved, incurved below submedian fold, a white point just beyond it in the cell; reniform white, its centre defined by sap-green, narrow; a slight, somewhat waved blackish medial line, excurved just beyond the reniform, which it touches above and below, then oblique; postmedial line double filled in with whitish, the inner line black, the outer less distinct, oblique and slightly sinuous to discal fold, then inwardly oblique and excurved above vein 1, an oblique, slightly waved, pale line beyond it from costa to discal fold, an oblique black fascia from it in discal fold to termen below vein 4; subterminal line indistinct, dark, slightly waved, some white before it between veins 4 and 2, and some white suffusion beyond it at apex; a waved black terminal line; cilia grey-brown with a waved black line at middle and chequered with blackish at tips. Hindwing purplish fuscous, the terminal half of vein 2 with alternating black and whitish marks; cilia whitish with strong dark reddish-brown line at middle. Underside of forewing fuscous, the costal area red-brown irrorated with white, the terminal area irrorated with white, postmedial line with oblique white striga from costa, bent outwards below costa, then double, fuscous filled in with whitish and obliquely curved, an indistinct, slightly waved, dark red terminal line: hindwing white mixed with purplish red, a black discoidal spot, minutely waved blackish medial and postmedial lines and double subterminal line, a waved black terminal line.

*Ab.* 1. Abdomen pinkish rufous except at base, the anal tuft sap-green, the forewing with the outer half of medial area whitish tinged with pinkish red, the lower half of terminal area tinged with green.

♀. Forewing more variegated, with whitish tinged with rufous and with sap-green at costa and lower half of termen.

*Ab.* 2. Forewing with semicircular black patch on inner area from near base to near tornus.

*Ab.* 3. Forewing with the medial area beyond and below the cell white tinged with pink, the inner half of postmedial and terminal areas pale rufous.

*Hab. Transvaal*, White R. (Cooke), 1 ♀; *Natal*, Durban (Platt), 3 ♂, 3 ♀ type. *Exp.* 22-24 mill.



*C. lichenosa* will almost certainly belong to this section, and possibly also *C. cana*; the specimen from the Transvaal recorded as the former, in very bad condition, belongs to this species.

### SARROTHRIPINAE.

6576a. *Giaura plumbeofusa* n. sp.

♀. Head and thorax grey-white tinged with red-brown, the tegulae with fuscous line near tips, the antennae black-brown; abdomen whitish suffused with red-brown; pectus and legs white, the tibiae and tarsi suffused with red-brown; ventral surface of abdomen ochreous. Forewing whitish strongly suffused with leaden-grey, the basal costal area rufous; a curved red-brown subbasal line from costa to vein 1, defined on outer side by ochreous white; a narrow ochreous white antemedial band traversed by a slight dark line and defined on outer side by crimson-red, slightly excurved to submedian fold, then rather oblique; a semicircular ochreous white patch on postmedial part of costa; postmedial line double, red-brown, represented by two slightly waved lines near the inner edge of the costal patch, then obsolete and arising again from below the outer edge of the patch, filled in with ochreous, angled inwards at discal fold, excurved at middle, then slightly waved; subterminal line ochreous defined on each side by fuscous, slightly excurved below vein 7; a fine dark terminal line; cilia brown with an ochreous line at base. Hindwing ochreous white tinged with red-brown; a fine dark terminal line to vein 2. Underside of forewing greyish tinged with brown, the costa and inner area white; hindwing ochreous white.

*Hab.* Gold Coast, Bibianaha (Spurrell), 1 ♀ type. *Exp.* 24 mill.

### GENUS *Nolatypa* nov.

Type: *N. phoenicolepia*.

Proboscis fully developed; palpi obliquely upturned to about middle of frons and moderately scaled, the 2nd joint slightly fringed with hair behind at extremity, the 3rd short; frons smooth; eyes large, round; antennae of male with fasciculate cilia; thorax clothed almost entirely with scales and without crests; abdomen smoothly scaled and without crests; tibiae slightly fringed with hair. Forewing with the apex rounded, the termen evenly curved and not crenulate; the rough scaling slight; veins 3 and 5 from near angle of cell; 6 from below upper angle; 7 from angle; 8, 9, 10 stalked; 11 from cell. Hindwing with veins 3, 4 from angle of cell; 5 fully developed from above angle; 6, 7 from upper angle; 8 anastomosing with the cell to near middle.

In key differs from *Gyrtonides* in the forewing having vein 7 from the cell and 8, 9, 10 stalked.

6621a. *Nolatypa phoenicolepia* n. sp.

♂. Head, thorax, and abdomen grey mixed with black; palpi mostly white, with some black on 2nd joint at sides; pectus and ventral surface of abdomen mostly white. Forewing grey mixed with fuscous and black and some purplish red, especially on outer half of medial area; a diffused black streak below basal



part of cell ; an oblique black subbasal streak from costa ; antemedial line black, excurved from below costa to submedian fold, then incurved and excurved above inner margin ; medial line black, slightly excurved in the cell ; reniform large, defined by black ; postmedial line black, angled outwards beyond upper angle of cell, then obliquely curved to below angle of cell and erect to inner margin ; an oblique series of three black spots from apex to beyond the angle of the postmedial line ; a terminal black line forming minute wedge-shaped marks at the veins ; cilia with a series of blackish points near base. Hindwing grey suffused with fuscous brown, the cilia rather whiter, with a series of obscure fuscous spots near base. Underside white irrorated with fuscous ; forewing with the disk suffused with fuscous, the postmedial line diffused, excurved just beyond the cell ; hindwing with rather diffused fuscous discoidal annulus, curved postmedial line and faint subterminal shade.

*Hab.* "Germ. E. Africa," Lulanguru (Carpenter), 1 ♂ type. *Exp.* 24 mill.

### VESTERMANNIANAE.

#### 7014b. *Goniocalpe heteromorpha* n. sp.

♂. Head and thorax glossy golden rufous ; the metathoracic crest black tipped with white ; antennae grey-brown ; palpi yellowish white with some fuscous at sides ; abdomen golden rufous, yellowish white at base, the crest on 3rd segment black tipped with white, the anal tuft black at extremity, the genital tuft white with some rufous at extremity ; pectus and three basal segments of ventral surface of abdomen yellowish white ; legs whitish, the tibiae tinged with rufous and grey-brown. Forewing glossy golden rufous ; a blackish subbasal point in the cell ; antemedial line fuscous defined on inner side by whitish, oblique, waved ; reniform defined by blackish, small, elliptical ; postmedial line blackish defined on outer side by whitish, oblique to below vein 6, then inwardly oblique ; a subterminal series of black points, the point below vein 7 further from termen. Hindwing yellowish white, the terminal area suffused with brown to vein 2. Underside of forewing whitish, suffused with brown except on inner area ; hindwing with slight brown suffusion in the interspaces at termen to vein 2.

♀. Head, thorax, and forewing suffused with silvery grey and with hardly any rufous tones, and sparsely irrorated with black scales, the reniform filled in with rufous, the postmedial line less distinct and incurved at submedian fold. The male has the antennae ciliated, the anal tuft not forked, the forewing with the termen oblique below vein 4 but not waved ; the female has a forked anal tuft and the termen of forewing waved below vein 4.

*Hab.* Natal, Pinetown (Platt), 2 ♂, 1 ♀ type. *Exp.* 24 mill.

### FAMILY Somabrachidae.

Proboscis and palpi absent ; frons with pointed conical corneous process, channelled and slightly ribbed below and with corneous plate below it ; antennae of male bipectinate with long branches to apex ; fore femora very short, with curved corneous spine on outer side from extremity, the mid and hind tibiae without spurs. Forewing with vein 1 *a* forked with 1 *b*, 1 *c* absent, veins 2, 3, 4, 5 at intervals, 5 from just above angle of cell ; 6 from below middle of disco-



cellulars in *S. aegrota* Klug, from just below upper angle of cell in *S. infuscata* Klug; 7 from angle; 8, 9 stalked, 10 absent; 11 from cell. Hindwing with vein 1 *a* absent, 1 *b* and *c* present; veins 2, 3, 4, 5 at intervals; 6, 7 shortly stalked; 8 coincident with the cell and vein 7 throughout; the costal and inner areas very narrow; the frenulum short and non-functional.

Female wingless.

Larva smooth and much resembling those of the *Epichnopterygidae* (Heterogynidae), to which the family is closely allied, forming a cocoon below the soil.

In key differs from the *Megalopygidae* in the hindwing having veins 6, 7 shortly stalked and 8 coincident with the cell and vein 7 throughout, instead of vein 6 being widely separated from 7, and 8 anastomosing with the cell to middle or near extremity, then separate; and in having the female wingless.

In the *Megalopygidae* the frons has no process, the forelegs are normal, the forewing has vein 6 from above the middle of discocellulars, 7 and 8 bent downwards and stalked from 9 and 10, the frenulum may be fully developed, non-functional, or absent. The larvae are thickly clothed with long spatulate hairs and form a cocoon attached to the food-plant.

#### GENUS *Somabrachys*.

<i>Brachysoma</i> Aust., <i>Le Nat.</i> ii. p. 284 (1880) nec <i>Dej. Col.</i> 1821	.	<i>codeti</i> (?) = <i>aegrota</i> Klug	Type
<i>Somabrachys</i> Kirby, <i>Cat. Het.</i> p. 930 (1892)	.	.	<i>codeti</i>

For synonymy of species v. *Oberth. Et. Lép. Comp.* v. pp. 227–301 (1911) and xii. pp. 376–428 (1916), and Jordan, *Nov. Zool.* xxiii. pp. 350–58 (1916).

The range of the genus is from Morocco, Algeria, and Tunis, to Egypt and Palestine.

#### FAMILY Teragridae.

*Teragra* Wlk., 1855, is older than *Arbela* Moore.

#### GENUS *Stenagra* nov.

Type: *S. multipunctata*.

Antennae of female serrate; head, thorax, and abdomen clothed with rough hair. Forewing very narrow, the apex rounded, the termen obliquely curved, the inner margin lobed near base; vein 3 from before angle of cell, 5 from above angle; the discocellulars very oblique and the upper angle of cell produced; vein 6 from the angle; 7, 8, 9 stalked, 7 from far beyond 9; 10, 11 from cell. Hindwing with vein 3 from before angle of cell; 5 from well above angle; 6, 7 strongly stalked to near apex; 8 connected with the cell by an oblique bar towards its extremity.

#### *Stenagra multipunctata* n. sp.

♀. Head, thorax, and abdomen red-brown tinged with grey; legs more rufous. Forewing red-brown strongly suffused with purple-grey; a small antemedial black spot below the cell, a rather triangular spot in the cell above origin of vein 2, a spot on upper part of discocellulars, an obliquely curved post-medial series of seven black spots from costa to below vein 2 near its base, the



spot at discal fold larger, a subterminal series of five small spots, erect to vein 4, then oblique, and a minute spot below vein 3, a minute subapical spot, all slightly defined by pale grey. Hindwing pale red-brown with a purplish gloss.

*Hab. N. Nigeria*, Baro (Macfie), 1 ♀ type. *Exp.* 26 mill.

*Selagena albicilia* n. sp.

♂. Head and thorax pure white, the head with ridge of rufous scales between antennae, the tegulae with some bright rufous scales at tips, the patagia mostly bright rufous; antennae dark red-brown; abdomen dark greyish brown mixed with some white, the crests on basal segments and the anal tuft bright rufous; pectus and legs pure white with a few dark brown scales; ventral surface of abdomen white, obscurely banded with brown. Forewing rufous with some white at base of costal and inner areas; some irregular marks formed by raised metallic black scales in the submedian fold below middle of cell and bars on each side of the discocellulars; the area beyond the cell with four obscure waved brown lines, with some black scales on them from below costa to vein 5; obscure black spots before termen above and below vein 7 and an elongate mark below vein 6. Hindwing black-brown with a slight cupreous gloss; cilia pure white, pale rufous at base. Underside black-brown with a slight cupreous gloss.

*Hab. Br. C. Africa*, Mt. Mlanje (Neave), 1 ♂ type. *Exp.* 32 mill.

*Arbelodes bisinuata* n. sp.

♂. Head and thorax dark reddish brown mixed with grey, the frons dark reddish brown; abdomen glossy ochreous whitish suffused with brown, the basal crest with dark reddish brown tip. Forewing grey suffused and irrorated with dark reddish brown; obscure rounded antemedial reddish brown spots in and below the cell, separated by a pale streak in submedian fold extending to below end of cell; vein 2 with a pale streak on it; a rounded reddish brown spot with faint pale outline at end of cell and another below it above inner margin; subterminal line dark brown, incurved below vein 7, then oblique to vein 4, then excurved; a terminal series of slight dark points; cilia with an ochreous tinge at base. Hindwing glossy ochreous whitish tinged with reddish brown.

*Hab. Br. C. Africa*, Mt. Mlanje (Neave), 1 ♂ type. *Exp.* 30 mill.

Nearest to *A. obliquifascia* Hmps.

*Arbelodes minima* n. sp.

♂. Head, thorax, and abdomen black, white, and pale ochreous; frons, palpi, pectus, legs, and ventral surface of abdomen ochreous white, the tibiae and fore tarsi with some black hairs. Forewing black mixed with rufous and some grey-white, the basal area with more whitish; indistinct slightly waved black antemedial and medial lines; a black discoidal spot; a more distinct slightly waved black line just beyond the cell, with the area between it and the medial line mostly rufous; an indistinct black subterminal line, incurved and waved between veins 6 and 4, where there is some rufous beyond it. Hindwing black-brown with a leaden grey gloss, the cilia ochreous yellow. Underside black-brown with a leaden grey gloss.

*Hab. Br. C. Africa*, Mt. Mlanje, Luchunya R. (Neave), 1 ♂ type. *Exp.* 18 mill.



**Metarbela laguna n. sp.**

♂. Head and thorax pale red-brown mixed with some dark brown and grey; abdomen whitish suffused with reddish brown, the basal crests darker at tips. Forewing pale rufous, the inner area, a triangular patch from lower angle of cell to inner margin, and the terminal area except towards costa whitish irrorated with brown; a series of dark brown striae from costa; an antemedial dark striga from median nervure with obscure rounded spots defined on outer side by whitish below it above and below vein 1; an oblique dark striga in lower part of cell confluent at median nervure with the reniform discoidal mark defined by blackish, indented on outer side at middle and excised above where it is confluent with two of the dark striae from costa; the triangular whitish patch with an elliptical dark mark on it from submedian fold to inner margin, and a small spot on the margin below the postmedial line, which forms a U-shaped mark from costa to vein 6, is excurved below veins 4 and 3 and ends below vein 2; an elliptical dark brown subterminal mark from vein 7 to 3, a small spot below vein 3, and a rather pear-shaped mark from vein 2 to tornus; a terminal series of minute rather triangular dark spots; cilia whitish. Hindwing whitish suffused with reddish brown, the cilia whitish.

*Hab. Gold Coast*, Bibianaha (Spurrell), 1 ♂ type. *Exp.* 28 mill.

Nearest to *M. arcifera* Hmps.

**Metarbela bipuncta n. sp.**

♂. Head and thorax pale rufous with a few dark hairs; abdomen dark reddish brown with greyish segmental lines, the base pale rufous with the basal crest tipped with black, the anal tuft pale rufous tipped with blackish; antennae with the branches dark brown. Forewing with the basal area pale rufous with some dark irroration on costa and inner margin, extending on costa to apex and on inner margin to tornus, the triangular terminal area from median nervure obliquely to apex and tornus dark purplish brown; two small silvery white spots with some black suffusion between them below basal half of vein 2; a pale subterminal line, curving inwards from below vein 4 to inner margin; a fine pale line at base of cilia. Hindwing glossy dark reddish brown, the costal area whitish to beyond middle; cilia white at tips. Underside uniform red-brown.

*Hab. Br. C. Africa*, Mt. Mlanje (Neave), 1 ♂ type. *Exp.* 30 mill.

Nearest to *M. cymophora* Hmps.

**Metarbela cremorna n. sp.**

♂. Head and thorax creamy white, the head and tegulae with some brown mixed; abdomen glossy yellowish white faintly tinged with brown, the anal tuft red-brown at extremity; antennae with the branches pale rufous; frons dark brown at side; forelegs with the fringe of hair on outer side tinged with brown; ventral surface of abdomen yellowish white. Forewing creamy white irrorated with a few dark brown scales, the costal area tinged with rufous, expanding on postmedial area to vein 3; postmedial line slight, blackish, crenulate, incurved between veins 7 and 5, bent inwards and almost obsolete at vein 2, and represented by two striae at inner margin; subterminal line indicated by some blackish scales; a terminal series of minute black spots. Hindwing creamy



white with a faint rufous tinge. Underside creamy white, the hindwing with the costal edge rufous.

*Hab. Gold Coast*, Kumasi (Sanders), 1 ♂ type. *Exp.* 32 mill.

Nearest to *M. dialeuca* Hmps.

***Metarbela vau-alba* n. sp.**

♂. Head, thorax, and abdomen rufous mixed with some ochreous and brown, the large bifid anal tuft deeper rufous; antennae with the branches black streaked with whitish above; pectus, legs, and ventral surface of abdomen tinged with grey. Forewing rufous tinged in parts with brown; a large indistinct oblique discoidal lunule defined by brown, confluent with a yellowish white, V-shaped mark on extremity of median nervure and base of vein 2; indistinct, slightly waved, and closely approximated brown postmedial and subterminal lines, slightly incurved at discal fold; a terminal series of small triangular red-brown marks on the veins; cilia grey-brown with a fine brown line at middle. Hindwing rufous finely irrorated with brown; cilia grey-brown with whitish tips. Underside deep rufous.

*Hab. Br. C. Africa*, Mt. Mlanje (Neave), 1 ♂ type. *Exp.* 30 mill.

Nearest to *M. nubifera* B. Baker.

***Metarbela costistrigata* n. sp.**

♂. Head blackish mixed with grey, the antennae black, the shaft irrorated with white and the branches streaked with white above; thorax and abdomen grey-white mixed with black-brown. Forewing grey-white suffused with fuscous brown, the terminal area rather darker and irrorated with blackish; a series of black bars from costa from near base to the postmedial line; an antemedial black mark in submedian interspace, forking below the fold; black bars before and beyond the discocellulars, forming an incomplete, V-shaped mark; a hoop-shaped black mark on inner area below end of cell, filled in with black irroration and with a white bar on its outer side; postmedial line black, inwardly oblique to vein 6, then erect and ending at vein 2; a terminal series of whitish striae in the interspaces with small dark spots before them to vein 3; cilia grey at base, chequered blackish and white at tips. Hindwing greyish suffused with fuscous brown, the cilia darker. Underside uniform greyish suffused with fuscous brown.

*Hab. Transvaal*, Johannesburg (Feltham), 1 ♂ type. *Exp.* 28 mill.

Nearest to *M. albitorquata* Hmps.

***Teragra tristicha* n. sp.**

♂. Head, thorax, and abdomen bright rufous, the last with a slight golden gloss except the dorsal crests and anal tuft; lower part of frons black-brown at sides. Forewing bright rufous; a series of slight black marks below costa from near base to near apex; a narrow rufous vitta faintly defined by black in terminal half of lower part of cell, indenting a rounded discoidal spot distinctly defined by black; a black antemedial line from cell to inner margin, dentate inwards at submedian fold and vein 1; a waved black line from origin of vein 2 to inner margin; some blackish suffusion below lower end of cell; three silvery white points defined by black just below middle of vein 2, with another below them above inner margin and sometimes a slight mark before it on the margin;



a waved black subterminal line, incurved between veins 6 and 5; some slight black irroration before termen; cilia pale with a darker line at middle. Hindwing pale red-brown with a slight golden gloss; cilia yellowish white at tips. Underside red-brown, the inner area of forewing whitish.

*Hab. Br. C. Africa*, Mt. Mlanje (Neave), 3 ♂ type. *Exp.* 34 mill.

Nearest to *T. neurosticta* Hmps.

#### *Teragra althodes* n. sp.

♂. Head and thorax fulvous yellow, with a ridge of deep rufous scales between the antennae and some marks on tegulae and patagia, the frons with some deep rufous at side; abdomen silky yellowish white, with some deep rufous in the dorsal crests and at sides; pectus and legs yellowish white mixed with some deep rufous, the forelegs deep rufous. Forewing silky yellowish white, the area below and beyond the cell with numerous deep rufous lines formed by striae, the costal area and cell with minute deep rufous and chocolate-brown spots; three strong, deep, rufous bars below basal half of cell; a small chocolate-brown discoidal spot. Hindwing glossy yellowish white tinged with rufous, the terminal area faintly striated with rufous. Underside yellowish white tinged with rufous, both wings with series of small rufous spots on the costa and the terminal area striated with rufous.

*Hab. Transvaal*, White R. (Cooke), 1 ♂ type. *Exp.* 40 mill.

Nearest to *T. simillima* Hmps., and much resembles *Altha* (Arbela), *tegula* Dist.

#### FAMILY Engyophlebidæ.

Proboscis and palpi absent; frons rounded; antennae of male bipectinate with long branches on basal third, then ciliated; fore tibiae with the process on inner side as long as the tibiae, the mid and hind tibiae without spurs. Forewing with vein 1 *a* forming a fork with 1 *b*, 1 *c* in male anastomosing with 1 *b* towards termen, then separating or becoming coincident with it to termen, in female separate throughout; veins 2 and 3 at intervals long before angle of cell; 4, 5 from angle of cell in male, 5 from just above angle in female; 6 from far below upper angle; 7 from upper angle; 8, 9 coincident; 10 from towards angle of cell; 11 from about middle of cell; the cell with an almost obsolete veinlet in discal fold met by a recurved veinlet from beyond origin of vein 3 towards which it is strongly developed, the discocellulars very strongly angled. Hindwing with veins 1 *a*, *b*, *c* present; the cell very long and rounded at extremity; veins 2 and 3 at intervals from long before angle of cell; 4, 5 coincident; 6 from far below upper angle; 7 from angle; 8 coincident with the cell and vein 7 throughout; the female with forked veinlet in the cell; the male with the costa strongly lobed at middle; frenulum fully developed.

In key differs from the *Megalopygidae* in the hindwing having vein 8 coincident with the cell and vein 7 throughout instead of anastomosing with the cell to middle or to near extremity, then separate, and from the *Somabrachidae* in having vein 6 from far below the angle of cell instead of shortly stalked with it, and in having the female winged.

It is closely allied to the *Cossidae* of the *Zeuzera* group and the larvae are certain to be wood-borers.



GENUS *Engyophlebus*

	Type.
<i>Eulaphonotus</i> Feld., <i>Reis. Nov.</i> p. 4 (1874) non descr.	<i>myrmeleon</i>
<i>Engyophlebus</i> Karsch, <i>Ent. Nachr.</i> xxvi. p. 2 (1900)	<i>myrmeleon</i>

*Engyophlebus myrmeleon*.

*Eulaphanotus myrmeleon* Feld., *Reis. Nov.* pl. 82. f. 9 (1874) ♀.

*Engyophlebus obesus* Karsch, *Ent. Nachr.* xxvi. p. 3 (1900) ♂.

Gold Coast; S. Nigeria; C. Colony.

## ZYGAENIDAE.

## Himantopterinae.

*Doratopteryx steniptera* n. sp.

♀. Head, tegulae, and abdomen fulvous orange, the thorax dark reddish brown, the anal tuft fulvous and brown; antennae black-brown; pectus and legs dark reddish brown. Forewing semihyaline sparsely clothed with brown scales, the costa and veins dark reddish brown, the area below the cell fulvous orange to beyond middle. Hindwing expanding somewhat near base, then very narrow, with traces of a lobe at three-fourths; the basal fourth fulvous orange, the rest of wing dark reddish brown.

*Hab.* "Germ. E. Africa," Usambara (Legros), 1 ♀, Usagara Distr., Kilossa (Neave), 1 ♀ type. *Exp.* 20 mill.

Near *D. zopheropa* B. Baker.

*Semioptila trogoloba* n. sp.

♂. Head, thorax, and abdomen fulvous orange; antennae black-brown; legs brown. Forewing fulvous orange to near end of cell, its outer edge then excurved and slightly waved to termen above tornus; the apical area, costa, extremity of median nervure, vein 3 and vein 2 towards tornus black-brown; a rounded fulvous orange spot beyond the discocellulars. Hindwing expanding moderately to the lobe, the outer edge of which is strongly excised below the tail; fulvous orange to the lobe, then black-brown with a large fulvous orange lunule before the excised part of extremity of the lobe; cilia long.

♀. Metathorax dark brown; abdomen dorsally suffused with chocolate-brown, ventrally black-brown, the anal tuft dark brown and greyish; forewing with the outer edge of the fulvous orange area diffused and indefinite, the terminal area greyer brown in the interspaces and diffused to the origin of vein 2 in the cell and below it above vein 2.

*Hab.* Br. C. Africa, Ruvo Valley (Neave), 1 ♂ type, Mt. Mlanje (Neave), 2 ♂, 1 ♀. *Exp.* 22-26 mill.

Differs from *S. papilionaria* Wlk. in the strongly excised outer edge of the lobe of the hindwing.

*Semioptila dolicholoba* n. sp.

♂. Head, thorax, and abdomen fulvous orange, the last dorsally suffused with chocolate-brown except the terminal segment; antennae black-brown; legs brown. Forewing fulvous orange below costa to near end of cell, in the



cell to origin of vein 2 and below vein 2 to termen, the costa and rest of wing dark brown, leaving a little orange above base of vein 2 and at termen extending to just below vein 2; a round fulvous orange spot beyond the discocellulars; cilia brown to near tornus. Hindwing gradually expanding to the large lobe, the outer edge of which is again gradually rounded off to the rather short and broad tail; fulvous orange to the lobe, then black-brown with a large, somewhat elliptical fulvous orange spot on the lobe, its inner edge produced inwards to a spur above vein 4.

*Hab. Br. C. Africa*, Mt. Mlanje (Neave), 7 ♂ type. *Exp.* 24–26 mill.

Differs from *S. papilionaria* Wlk. in the hindwing gradually expanding to the lobe, the outer edge of which is gradually rounded off to the tail.

*Semioptila latifulva* n. sp.

♂. Head, thorax, and abdomen fulvous orange; antennae black-brown; pectus, legs, and ventral surface of abdomen dark brown. Forewing fulvous yellow to near end of cell and from thence to termen at vein 2, the costa, terminal part of median nervure, and apical area dark brown; a round fulvous yellow spot beyond the discocellulars; cilia dark except at tornus. Hindwing expanding slightly near base, then narrowing into a long slender tail; fulvous yellow to one half, then dark brown with a short yellow streak above inner margin at two-thirds, when it expands slightly into traces of a lobe.

*Hab. "Germ. E. Africa,"* Usangu Distr., Ft. Kifulufulu (Neave), 2 ♂ type. *Exp.* 30 mill.

Near *S. hilaris* Rebel.

*Anomoeotes phaeomera* n. sp.

♀. Head, thorax, and abdomen fulvous yellow; antennae black-brown. Forewing thinly scaled; the costal, apical, and terminal areas pale brown, the apical area expanding into upper angle of cell and beyond the cell to vein 4, the terminal area narrowing to tornus and with dentate inner edge; the veins brown; the basal area, except towards costa, fulvous yellow to origin of vein 2 defined on outer side by a pale brown band from the costal area to vein 2; the interspaces between the yellow area and the brown terminal area white, narrow in the cell and broad below it. Hindwing thinly scaled, white, the basal area tinged with fulvous yellow, the veins towards termen, the termen, and cilia tinged with brown.

*Hab. Cameroons*, Ja R., Bitje (Bates), in Coll. Rothschild; *Angola*, Ambriz Monteiro), 1 ♀ type. *Exp.* 36 mill.

*Staphylinochrous ruficilia* n. sp.

♂. Head, thorax, and abdomen deep brownish rufous; antennae black-brown, the shaft bright fulvous red above on basal half. Forewing thinly scaled; fulvous red to middle of costa, and thence with rather diffused oblique outer edge to inner margin near tornus; the rest of wing red-brown with the veins and a fine terminal line darker, the costa more rufous, the cilia rufous with some brownish at tips. Hindwing fulvous red, the terminal area suffused with reddish brown from apex to vein 2; cilia fulvous at base, brownish at tips.

*Hab. Cameroons*, Ja R., Bitje (Bates), 2 ♂ type. *Exp.* 24–28 mill.



**Staphylinochrous euryphaea** n. sp.

♂. Head, thorax, and abdomen fulvous orange, the last with the anal tuft dark brown; antennae dark brown. Forewing fulvous orange, the costal area and the terminal area very widely dark brown, the latter expanding into end of cell and beyond the cell to vein 4, then narrowing to near tornus and extending along the inner margin to beyond middle. Hindwing fulvous orange, the terminal area dark brown, rather broadly so at apex and narrowing to a point at tornus.

*Hab.* **Gold Coast**, Kumasi (Sanders), 1 ♂ type; Aburi (Johnson), 1 ♂; **Cameroons**, Ja R., Bitje (Bates), in Coll. Rothschild. *Exp.* 26 mill.

**Staphylinochrous flavida** n. sp.

♀. Head, thorax, and abdomen fulvous yellow, the last with the anal tuft greyish fuscous; antennae black-brown; legs reddish brown. Forewing fulvous yellow to near end of cell, the outer edge of the yellow area almost straight and erect from costa to tornus, the rest of wing semihyaline greyish fuscous. Hindwing fulvous yellow to beyond the cell, the rest of wing semihyaline greyish fuscous, rather broad at costa, narrowing to a point on termen above tornus, its inner edge almost straight.

*Hab.* **Uganda**, Entebbe (Minchin), 1 ♀ type. *Exp.* 40 mill.

**Staphylinochrous holotherma** n. sp.

♀. Head, thorax, and abdomen fulvous orange, the serrations of antennae dark brown. Wings uniform fulvous orange; thinly scaled.

*Hab.* **Br. E. Africa**, S. Kakumega Forest, Yala R. (Neave), 1 ♀ type. *Exp.* 40 mill.

**Thermochrous melanoneura** n. sp.

*Anomoeates nigrovenosus* Butl., *P.Z.S.* 1895. p. 266; nec Butl. 1893.

♂. Head and thorax ochreous white mixed with brown; antennae dark brown; abdomen whitish tinged with fulvous; pectus and legs reddish brown. Wings ochreous white, the costa, veins, and a fine terminal line black-brown.

♀. Abdomen deeper fulvous; wings tinged with fulvous yellow.

*Hab.* **Br. C. Africa**, Fwambo (Carson), 2 ♂, 1 ♀ type. *Exp.* ♂ 30, ♀ 34 mill.

**ZYGAEININAE.****Neurosymphloca postrosea** n. sp.

♀. Head and thorax black, the tegulae orange at sides, the patagia white; abdomen dull white, suffused with orange-yellow, except on two basal segments, a black segmental line at extremity; fore coxae with orange-yellow spot in front. Forewing thinly scaled, dull white to middle, then black-brown; a triangular black-brown patch on costa from near base to the dark terminal area, its apex just below the cell; a large black spot below middle of submedian fold, not extending below vein 1; slight orange-yellow streaks on basal part of median nervure and vein 1; the outer edge of the white area excurved below the cell; a white patch with some orange-yellow in centre on the discocellulars and a



subterminal spot below vein 4. Hindwing rosy red with a slight orange tinge; the costal area white to beyond middle; a black-brown terminal band to vein 1, expanding into a large apical patch and into a patch at vein 2. Underside of forewing with some orange-yellow suffusion below the cell on basal area, in middle of cell, and above vein 1 beyond middle; hindwing with the red extending to the costa.

*Hab. Natal*, Pinetown (Leigh), 1 ♀, Durban (Gueinzius, Gooch, Burrows), 5 ♀ type. *Exp.* 30–34 mill. Probably belongs to the sect. *Euctenia*.

***Neurosymploca hyalina* n. sp.**

♂. Head and thorax dull brown mixed with whitish; antennae black-brown; frons white; abdomen pale fulvous yellow, the anal tuft with black mixed; pectus and legs white and dark brown. Forewing thinly scaled; pale dull brown, the costal edge black-brown; diffused white patches below the cell at base and middle, the latter rather quadrate. Hindwing thinly scaled, white tinged with dull brown, the cilia darker brown. Underside uniformly tinged with dull brown.

*Hab. Natal*, Maritzburg, 2 ♂ type. *Exp.* 30 mill. Belongs to the sect. *Euctenia* Feld. (non. descr.) with the antennae of male bipectinate.

***Neurosymploca meterythra* n. sp.**

♂. Head, thorax, and abdomen black-brown, the frons at sides, palpi, and tegulae at sides orange-yellow, the patagia at base and tips and the metathorax behind crimson-red; femora on inner side and ventral surface of abdomen orange-yellow. Forewing dull purplish rufous, the costal edge and cilia black; a small crimson spot with some black below it below base of costa, and a subbasal spot above vein 1 with some black on its outer edge; a black and crimson point in middle of cell and small crimson spots defined by black below middle of cell and on the discocellulars. Hindwing orange-scarlet, the inner margin suffused with black; a narrow terminal black band, its inner edge slightly incurved below vein 2. Underside of forewing dull scarlet to just beyond the cell.

*Hab. Natal*, Maritzburg, 2 ♂ type. *Exp.* 30 mill. Nearest to *N. pagana* Kirby, in which species, however, and also in *N. caffra* Linn., the forewing has vein 7 stalked with 8, 9.

***Neurosymploca conjuncta* n. sp.**

♂. Head, thorax, and abdomen black, glossed with silvery blue, the tegulae orange-yellow at sides, the femora above and tibiae below yellow, the abdomen with lateral yellow spots on 2nd segment. Forewing black glossed with metallic blue, the greater part of wing occupied by orange-yellow patches defined by white; the basal area yellow from just below costa to just above inner margin, separated by a sinuous blue-black line from a medial yellow patch from below costa to above inner margin, quadrate to median nervure and below the cell, expanding into a conical patch to near tornus; the medial patch conjoined to a large round discoidal yellow spot, which again is conjoined near its lower edge to a lunulate subterminal patch between veins 8 and 3. Hindwing rosy red;



a slight black spot at upper angle of cell; a narrow black terminal band, expanding at apex and into slight triangular marks at veins 2 and 1.

*Hab. Pondoland*, Ngqeleni (Swinny), 1 ♂ type. *Exp.* 32 mill. Nearest to *N. lateralis* Jord.

***Pycnoctena melaenella* n. sp.**

Antennae of male bipectinate with long branches somewhat dilated at extremity.

♂. Head, thorax, and abdomen black. Forewing black, the cell except towards base, a fascia below it, and the interspaces beyond the cell semihyaline. Hindwing semihyaline, sparsely clothed with fuscous scales, the veins and cilia black.

*Hab. Brazil*, Minas Geraes, 1 ♂ type. *Exp.* 16 mill.

***Phacusa chalcobasis* n. sp.**

♀. Head, thorax, and abdomen black, the tegulae golden cupreous, the metathorax irrorated with golden cupreous scales, the abdomen tinged with blue-green and with golden cupreous segmental bands, except at extremity; frons pale rufous; proboscis whitish rufous; pectus, with golden cupreous patches below the wings. Forewing black glossed with greenish blue; a golden-cupreous patch at base, except at inner margin; a short hyaline streak above middle of cell, fasciae above and below discal fold in the cell towards its extremity, fasciae on medial area above and below submedian fold, the lower extending to towards termen, and elliptical spots beyond the cell above and below vein 4. Hindwing black with a slight purple gloss; a large hyaline patch on inner area from near base to near tornus, a spot beyond the cell above vein 3 and slight spot above vein 4.

*Hab. Sumatra*, 1 ♂ type. *Exp.* 38 mill.

***Phacusa manilensis* n. sp.**

♀. Head, thorax, and abdomen fuscous black, the last dorsally suffused with blue; antennae with a slight bluish gloss; proboscis whitish. Forewing fuscous black; a short hyaline streak above middle of cell, a wedge-shaped patch in the cell towards its extremity, with elongate marks below it above and below submedian fold, and elongate spots beyond the cell above veins 6, 4, 3. Hindwing fuscous black; hyaline marks on medial area in the interspaces below the cell, extending above inner margin to near tornus, a spot beyond the cell above vein 3 and slight spot above vein 4.

*Hab. Philippines*, Luzon, Manila, 1 ♀ type. *Exp.* 34 mill.

***Phacusa nicobarica* n. sp.**

Forewing with veins 5, 6 stalked; 7, 8 stalked or coincident, arising from 10. Head, thorax, and abdomen black glossed with metallic blue-green; antennae slightly glossed with blue-green; proboscis pale. Forewing black suffused with metallic blue-green; a short hyaline streak above middle of cell, a wedge-shaped patch in end of cell bisected by the discal fold, fasciae on medial area below the cell above and below the submedian fold, the lower extending to towards



termen, and elongate spots beyond the cell above veins 6, 5, 4, 3, with a slight spot above base of vein 2. Hindwing black glossed with blue-green; a large hyaline patch on inner area from near base to near tornus intersected by dark streaks on the veins, and elongate spots beyond the cell above and below vein 4 with a slight streak above vein 5.

*Hab. Nicobars* (Rogers), 2 ♂, 3 ♀ type. *Exp.* 26–30 mill.

*Illiberis endocyanea* n. sp.

♀. Head, thorax, and abdomen black-brown glossed with metallic blue, the last very strongly suffused with metallic blue on dorsum, the anal tuft brownish ochreous; antennae suffused with metallic blue; proboscis pale rufous. Forewing hyaline, the veins and margins black-brown; the basal area, the costal area to middle, and the inner area below submedian fold black-brown, the last with a rounded patch of metallic blue suffusion at middle; a slight metallic blue spot at base of cell, a strong slightly curved black-brown discoidal bar; the black-brown on termen slightly expanding at apex. Hindwing hyaline, the veins, margins, costal area and cell black-brown, leaving a hyaline streak in lower part of cell from near base. Underside with the costal area of forewing and the costal area and cell of hindwing glossed with metallic blue.

*Hab. Assam* (Badgley), 4 ♀ type. *Exp.* 32–36 mill.

*Artona flaviciliata* n. sp.

♀. Head and thorax black, the former suffused with silvery blue, the palpi, sides of frons, genae, dorsal and lateral spots on tegulae, spots at base of patagia and a short streak behind them yellow; antennae white before tips; abdomen chrome-yellow with a black band on penultimate segment; pectus yellow and brown; legs yellow and blackish, the tarsi blackish ringed with yellow; ventral surface of abdomen with blackish bands, obsolescent towards the band on penultimate segment. Forewing black-brown; a chrome-yellow streak below base of costa and short medial fascia below costa, a wedge-shaped patch below base of cell, a small spot below base of vein 2 with an elongate spot below it, an elliptical spot beyond upper angle of cell and triangular spot beyond lower angle; cilia yellow except at base. Hindwing chrome-yellow; a black fascia in the cell; a black terminal band expanding on apical area, its inner edge angled inwards at discal fold to the fascia in the cell, and slightly angled inwards at vein 2; cilia yellow except at base.

*Hab. Sikkim*, Raitdong (Tibet Exp.), 1 ♀ type. *Exp.* 26 mill.

Differs from *A. fulvida* Butl. in the cilia being yellow except at base.

*Artona digitata* n. sp.

♀. Head and thorax black, the head glossed with silver, the palpi white, a white streak above the eyes, the tegulae with dorsal and lateral white spots, the patagia and sides of metathorax with white streaks; abdomen black banded with pale yellow, the anal tuft white at extremity; pectus, coxae, and femora white, the tibiae pale yellow, the tarsi banded fuscous and yellow; ventral surface of abdomen white except the anal segment. Forewing black; a yellowish white streak below base of costa and wedge-shaped patch below the cell, a short streak below middle of costa, another below base of vein 2 with a rather longer



streak below it, a trifid spot beyond upper angle of cell and bifid wedge-shaped spot beyond lower angle indented by dark streaks on the veins. Hindwing black-brown; a yellowish white fascia below the cell, expanding into and just beyond the lower angle of cell, and a fascia on vein 1 from base to beyond middle; cilia whitish at tips.

*Hab.* **Burma**, Tenasserim, Dawnat Hills, 1 ♀ type. *Exp.* 20 mill.

Differs from *A. zebraica* Butl. in the forewing having the spots beyond the cell indented by dark streaks on the veins.

***Artona phaeoxantha* n. sp.**

♀. Head, thorax, and abdomen dark red-brown, the frons with a silvery leaden gloss, the eyes surrounded by yellow, the palpi yellow and brown, the tegulae edged with orange-yellow, strongly at sides, the patagia slightly edged with orange-yellow, and the metathorax strongly suffused with orange-yellow, the abdomen with orange-yellow bands, narrow on ventral surface; pectus and legs red-brown and orange-yellow. Forewing dark red-brown; a subbasal orange-yellow streak below the costa and wedge-shaped patch below the cell, an elongate spot below middle of costa and another below the submedian fold beyond middle, a large rounded spot beyond upper angle of cell conjoined basally to a triangular spot beyond lower angle. Hindwing dark red-brown; an orange-yellow fascia below the cell, expanding into and just beyond lower angle of cell, and conjoined at base to a streak on vein 1 extending to beyond middle.

*Hab.* **Madras**, Shevaroy Hills (Morris), 1 ♀ type. *Exp.* 22 mill.

Closely allied to *A. valceri* Moore, from Java.

***Tasema fulvithorax* n. sp.**

Head, tegulae, and patagia black-brown, the dorsum of thorax fulvous yellow; abdomen fulvous yellow with some black-brown hair at base, and the three terminal segments black-brown; antennae black with a slight leaden gloss; legs fulvous suffused with black-brown; ventral surface black-brown. Wings uniform black-brown, slightly semihyaline.

*Hab.* **Br. C. Africa**, Ft. Mangoche (Neave), 1 ♂, 1 ♀, Mt. Mlanje (Neave), 2 ♂, 1 ♀; **Portuguese E. Africa**, Kola Valley (Neave), 2 ♂, 1 ♀ type. *Exp.* ♂ 18, ♀ 22 mill.

Differs from *T. titaea* Druce in having the dorsum of thorax fulvous yellow.

***Metanycles flavibasis* n. sp.**

Head and thorax black with a slight bluish gloss; the shoulders with an orange-yellow stripe; abdomen orange-yellow, the two basal segments and two terminal segments black-brown with a slight bluish gloss; antennae with some yellow on shaft above towards tips, the branches tipped with yellow to beyond middle; frons, palpi, and fore coxae orange-yellow; legs yellow, the femora black-brown on outer side; ventral surface of abdomen and the anal tuft below orange-yellow. Forewing black with a blue-green gloss; the basal area orange-yellow except at inner margin, its outer edge oblique to middle of costa, the costal edge yellow to beyond middle; cilia ochreous except at base. Hindwing hyaline tinged with brown, the costal area and termen suffused with



brown, some yellowish at base of costa, the veins dark; cilia pale at tips. Underside of forewing with the yellow diffused into ochreous white extending to end of cell and on inner area to near termen; hindwing with the costal area yellow to beyond middle.

*Hab.* **Br. C. Africa**, Ruw Valley (Neave), 1 ♀, Mt. Mlanje (Neave), 8 ♂, 5 ♀ type. *Exp.* ♂ 16, ♀ 18 mill.

**Clelea microphaea** n. sp.

♂. Head, thorax, and abdomen dark brown with a faint purplish gloss, the pectus, legs, and ventral surface of abdomen paler brown. Wings uniform dark red-brown with a faint purplish gloss.

*Hab.* **Corea**, Gensan (Leech), 1 ♂ type. *Exp.* 14 mill.

**Clelea syriaca** n. sp.

♂. Head, thorax, and abdomen dark reddish brown with a slight cupreous gloss, the palpi paler. Forewing uniform dark reddish brown with a slight cupreous gloss, the cilia whitish except at base. Hindwing dark red-brown, the cilia whitish except at base.

*Hab.* **N. Syria**, Shar-Deresy, 1 ♂ type. *Exp.* 20 mill.

GENUS **Sthenoprocris** nov.

Type: *S. malgassica*.

Proboscis and palpi minute; frons smooth and without prominence; antennae of male bipectinate with rather long branches to apex; build slender, the abdomen long; mid and hind tibiae with minute terminal pairs of spurs. Forewing long and narrow, the apex rounded, the termen obliquely curved; the cell long; vein 2 from about three-fourths length of cell; 3 from well before angle; 4 from angle; 5 from well above angle; 6, 7, 8 well separated; 9, 10 stalked; 11 from cell. Hindwing narrow, the apex and termen rounded; vein 2 from about half length of cell; 3 from well before angle; 4 from angle; 5 from well above angle; 6 from well below upper angle; 7, 8 coincident.

**Sthenoprocris malgassica** n. sp.

♂. Black-brown, the thorax with orange-yellow band behind the head.

*Hab.* **Madagascar**, Tananarive, type ♂ in Coll. Rothschild. *Exp.* 20 mill.

GENUS **Chalconycles**.

*Chalconycles* Jordan, *Entom.* xl. p. 123 (1911)

type  
*vetulina*

Sect. I.—Hindwing with veins 3 and 5 stalked.

(1) **Chalconycles albipalpis** n. sp.

♂. Head, thorax, and abdomen black-brown slightly glossed with blue; lower part of frons at sides and palpi dull white, the latter with the 3rd joint tinged with yellow; pectus, legs below, and ventral surface of abdomen dull white, the pectus in front and coxae fulvous yellow. Forewing black-brown



glossed with leaden grey. Hindwing black-brown; the area below the cell hyaline, extending to just above inner margin towards base and below vein 3 to near termen.

*Hab.* Ivory Coast, Bingerville (G. Melou), type ♂ in Coll. Rothschild. *Exp.* 20 mill.

There is in B.M. another species of this section from Sierra Leone not in good enough condition to describe.

Sect. II.—Hindwing, with veins 3 and 5 from the cell.

(2) *Chalconycles chloauges*.

*Adscita chloauges* Holl., *Psyche*. 1893. p. 374.

*Hab.* Gaboon.

(3) *Chalconycles vetulina*.

*Chalconycles vetulina* Jord., *Entom.* xl. p. 124 (1911).

*Hab.* Uganda.

(4) *Chalconycles anhyalea* n. sp.

♂. Head, thorax, and abdomen black-brown, slightly glossed above with metallic blue, the antennae white at tips; the genital tufts white tinged with fulvous; wings uniform black-brown, the forewing with a slight leaden grey gloss.

*Hab.* Cameroons, Ja R., Bitje (Bates), type ♂ in Coll. Rothschild. *Exp.* 20 mill.

*Saliunca fulviceps* n. sp.

♀. Head and tegulae golden orange, the antennae black glossed with blue except at base; thorax and abdomen black glossed metallic blue-green; pectus in front golden orange; ventral surface of abdomen yellowish white except the two terminal segments. Forewing black-brown suffused with purple-blue, the cell and area just beyond it with a greenish tinge. Hindwing black-brown suffused with purple-blue, the interspaces of inner area to the median nervure and vein 2 hyaline.

*Hab.* Br. E. Africa, N. Kavirondo, Maramas Distr. (Neave), 1 ♀ type. *Exp.* 30 mill.

Differs from *S. ventralis* Jord. in the head and tegulae being golden orange and not the thorax.

*Saliunca cyanea* n. sp.

♀. Head black suffused with brilliant metallic blue; thorax golden orange, the patagia blue-black except the upper edge; abdomen black suffused with brilliant metallic blue; pectus and ventral surface of abdomen golden orange; legs black glossed with blue. Forewing uniform black suffused with brilliant metallic blue. Hindwing black suffused with brilliant metallic blue, the costal area broadly suffused with purple; the interspaces below the cell and vein 1 to near end of cell hyaline.



*Hab. Uganda*, Semliki Valley, Buamba Forest (Neave), 1 ♀ type. *Exp.* 30 mill.

Differs from *S. styx* Fabr. in the forewing being brilliant metallic blue, the thorax more golden.

***Saliunca metacyanea* n. sp.**

♂. Head black glossed with blue; thorax golden fulvous; abdomen black strongly suffused with metallic blue; legs black. Forewing uniform deep iron-brown, with a faint purple gloss. Hindwing black strongly suffused with metallic blue, the lower part of cell, the interspaces below it, and spots above bases of veins 4, 3, 2 hyaline. Underside suffused with purple-blue.

*Hab. Br. C. Africa*, Mt. Mlanje (Neave), 1 ♂ type. *Exp.* 38 mill.

Differs from *S. styx* Fabr. in the hindwing being brilliant metallic blue.

***Saliunca aenescens* n. sp.**

♂. Head dark brown glossed with bronze; thorax golden fulvous; abdomen dark bronze-brown; legs bronze-brown. Forewing uniform bronze-brown. Hindwing bronze-brown, the lower part of cell and the interspaces below the cell thinly scaled.

♀. Head and abdomen black glossed with blue.

*Hab. Br. E. Africa*, Mt. Kenya, 5,000 ft. (Neave), 1 ♀, Victoria Nyanza, Kerenge (Betton), 1 ♂ type; *Uganda*, Chagwe, Mabira Forest (Neave), 1 ♂, 1 ♀. *Exp.* 28-32 mill.

Differs from *S. styx* Fabr. in the forewing being uniform bronze-brown and the hindwing having no hyaline.

***Saliunca cyanothorax* n. sp.**

♀. Head, thorax, and abdomen black suffused with brilliant metallic blue, the tegulae and patagia except at extremities golden orange; pectus and ventral surface of abdomen golden orange; legs dark brown. Forewing black suffused with brilliant metallic blue shading to purple on terminal area. Hindwing black suffused with brilliant metallic blue shading to purple on costal area, the interspace below the cell to vein 2 and the interspace below vein 1 hyaline.

*Hab. Uganda*, Toro, Daro Forest (Neave), 1 ♀ type. *Exp.* 26 mill.

Differs from *S. cyanea* Hmps. in the dorsum of thorax being black suffused with metallic blue.

***Saliunca sapphirina* n. sp.**

♀. Head, thorax, and abdomen black glossed with brilliant metallic blue, the base of tegulae golden fulvous; pectus golden fulvous at sides; legs black-brown. Forewing uniform black strongly suffused with brilliant metallic blue. Hindwing black strongly suffused with brilliant metallic blue, the lower part of cell, the interspaces below it, and spots above bases of veins 4, 3, 2 hyaline.

*Hab. Uganda*, Toro, Daro Forest (Neave), 1 ♀ type. *Exp.* 34 mill.

Differs from *S. cyanothorax* Hmps. in the tegulae and patagia being black suffused with metallic blue, with only the base of the tegulae golden orange; the hindwing with the hyaline extending into and beyond the cell.



***Saliunca chalconota* n. sp.**

♀. Head, thorax, and abdomen black suffused with deep metallic blue, the metathorax golden cupreous; pectus at sides with golden cupreous spots. Forewing black suffused with brilliant metallic blue, the end of cell and area just beyond it with a more purple tinge. Hindwing black suffused with brilliant metallic blue, the end of cell and area just beyond it with a more purple tinge; the interspaces below the cell and above base of vein 2 hyaline sparsely clothed with hair-like black scales. Underside suffused with deep purple-blue.

*Hab.* Uganda, E. Busoga, Jiuja (Neave), 1 ♀ type. *Exp.* 36 mill.

Differs from *S. homochroa* Holl. in the wings being suffused with brilliant metallic blue.

***Saliunca cyanopsis* n. sp.**

♂. Head, thorax, and abdomen black strongly suffused with brilliant metallic blue, the base of patagia and the metathorax with white spots; hind coxae with some white; ventral surface of abdomen with sublateral white stripes except at extremity. Forewing fuscous brown with a bluish grey gloss, the costal area to just beyond the cell and the inner area to middle suffused with brilliant metallic blue; a white stripe in submedian interspace from base to near origin of vein 2; an elliptical white spot in middle of cell; a large round white discoidal spot; the interspaces of terminal area with elongate white spots between vein 8 and the submedian fold, the spot above vein 2 longer. Hindwing glossy fuscous-brown; a white discoidal spot bisected by the dark discocellulars; the inner area below submedian fold white with vein 1 dark, and a hyaline patch above it below base of cell.

♀. Head, thorax, and abdomen without the white markings; forewing black suffused with brilliant metallic blue-green, the white markings absent except the discoidal spot; hindwing black slightly shot with metallic blue-green; the whole inner area below the cell hyaline from near base to towards termen, underside of both wings suffused with metallic blue, the hindwing with slight white discoidal spot.

*Hab.* N. W. Rhodesia, Solweri (H. Dollman), 1 ♂, 1 ♀ type. *Exp.* ♂ 42, ♀ 38 mill.

A bred series of both sexes in Coll. Dollman.

***Saliunca meridionalis* n. sp.**

♂. Head, thorax, and abdomen black suffused with metallic blue-green, the frons white, the antennae with the shaft above towards tips and the branches above on inner side white, the patagia with white spots at base, the abdomen with dorsal white spots on two basal segments, traces of spots on four following segments, subdorsal spots and sublateral bars on 2nd to 6th segments. Forewing black suffused with metallic blue-green; a white fascia in submedian fold from near base to middle, a round white discoidal spot and smaller rather elongate spot between veins 3 and 2. Hindwing black suffused with metallic blue-green, shading to purple on costal area to near apex; a wedge-shaped hyaline fascia below the cell and rather elliptical white discoidal spot. Underside with a more purple tinge, the hindwing with some white in base of cell and the inner margin suffused with white.



♀. Head, thorax, and abdomen without any of the white markings; forewing with the white discoidal spot only; hindwing with the hyaline fascia obsolescent and without the white discoidal spot or white on underside.

Ab. 1 ♀. Forewing with the discoidal spot obsolescent.

Ab. 2, ♂, ♀. Hindwing without hyaline fascia below the cell.

*Hab.* **Br. C. Africa**, Mt. Mlanje (Neave), 8 ♂, 12 ♀ type; **Portuguese E. Africa**, Ruvo Valley (Neave), 4 ♂, 3 ♀; **Mozambique**, Beira (Sheppard), 1 ♂, 3 ♀. *Exp.* 30–38 mill.

Differs from *S. difformis* Jord. in being black suffused with metallic blue-green instead of brown suffused with bronze-green and purple; the male with white dorsal spots on the abdomen, the female with a white discoidal spot. The sexes were taken in copula by Mr. Neave in Portuguese E. Africa, and by Mr. Sheppard at Beira.

#### *Saliunca cupreitincta* n. sp.

♂. Head, thorax, and abdomen black-brown suffused with metallic blue-green, the patagia with white spots at base, the abdomen with subdorsal and sublateral white spots on 2nd to 6th segments. Forewing black-brown suffused with purple, with a slight cupreous gloss to end of cell, the area beyond it suffused with dull blue-green; a round white discoidal spot and obsolescent spot between veins 3 and 2. Hindwing black-brown suffused with purplish blue; an obsolescent white discoidal spot. Underside suffused with bluish purple; forewing with the spot between veins 3 and 2 distinct and elliptical; hindwing with the discoidal spot distinct, a slight white streak in base of submedian fold and the inner margin suffused with white.

Ab. 1. Forewing of male with the spot between veins 3 and 2 obsolete.

♀. Patagia, abdomen, and wings without the white markings.

*Hab.* **Br. E. Africa**, Makindu (Neave), 3 ♂, 2 ♀ type, Simba (Neave), 1 ♂, Voi (Betton), 2 ♀; Ankole (Neave), 4 ♀. *Exp.* 28–40 mill.

The sexes were taken in copula by Mr. Neave; possibly an aberration of *S. difformis* Jord., the male without the white fascia in the submedian fold of forewing and the hyaline fascia of the hindwing.

#### *Saliunca esmeralda* n. sp.

♂. Head, thorax, and abdomen black suffused with metallic blue-green, the antennae with the shaft brilliant metallic green above, the abdomen with sublateral white spots on 2nd to 6th segments. Forewing blackish strongly suffused with brilliant metallic blue-green; a round white discoidal spot and spot between veins 3 and 2. Hindwing blackish suffused with blue-green; the interspaces below the cell with hyaline streaks; an obsolescent white discoidal spot. Underside suffused with metallic blue-green, the forewing with slight white streak below vein 2, the hindwing with the discoidal spot distinct.

Ab. 1. Forewing without the white spot between veins 3 and 2; hindwing without the white discoidal spot on underside.

*Hab.* **N. Nigeria**, Banchi Prov. Panyam (G. T. Fox), 1 ♀; **Uganda**, Entebbe (Gowdey), 1 ♀ type. *Exp.* 40 mill.



**Saliunca chlorotica** n. sp.

♂. Head and thorax black-brown glossed with metallic green, the proboscis fulvous yellow; abdomen black-brown slightly glossed with green; pectus, legs, and ventral surface of abdomen black-brown glossed with green. Forewing black-brown glossed with metallic green; a round white spot on discocellulars and rather more elliptical spot below end of cell. Hindwing black-brown glossed with metallic green, the area below the cell hyaline to just above inner margin and towards termen. Underside of forewing with the spot below end of cell rather reduced and less well defined; hindwing with somewhat diffused white spot on the discocellulars.

*Hab. French Congo*, Fort Crampel, 2 ♂ type in Coll. Rothschild. *Exp.* 26-28 mill.

**GENUS Caffricola** nov.

*Crameria auctorum*, nec Hübner.

Type: *C. cloeckneria*.

Proboscis aborted and not functional; palpi porrect, not reaching beyond the frons and thickly scaled; frons smooth; eyes large, round; antennae of both sexes bipectinate with rather long branches to apex; tibiae with all the spurs present. Forewing with the apex rounded, the termen evenly curved; all the veins present and given off at about equal distances from the cell. Hindwing with veins 2, 3, 4 well separated; 5 from middle of discocellulars; 6, 7 separate; 8 free.

**Caffricola cloeckneria**.

*Bombyx cloeckneria* Stoll, *Cram. Pap. Exot.* iv. pl. 348. f. A. (1781); Kirby, *Cat. Lep. Het.* p. 81.

*Hab. Gazaland; Transvaal; Zululand; Natal; Cape Colony.*

**CHALCOSIANAE.****Isbarta unicolor** n. sp.

♂. Head, thorax, and abdomen ochreous brown tinged with red-brown, the branches of antennae rather redder brown, the ventral surface of abdomen with white segmental lines. Forewing ochreous brown uniformly suffused with red-brown. Hindwing ochreous brown tinged with red-brown, the costal half more strongly suffused with red-brown. Underside uniformly suffused with red-brown.

*Hab. Borneo*, Sarawak, Kuching (Lewis), 1 ♂ type. *Exp.* 40 mill.

**Pintia dolichoptera** n. sp.

♂. Head and thorax chocolate-brown suffused with metallic blue-green; abdomen deep metallic greenish blue; frons at sides and palpi at base whitish; pectus chocolate-brown and blue-green, with some white below base of wings; coxae, femora, and ventral surface of abdomen white tinged with brown; tibiae and tarsi red-brown, the former suffused with blue-green above. Forewing produced at apex and with the termen oblique, chocolate-brown; the costa to middle, the median nervure, and base of vein 2, vein 1, and the inner margin



to beyond middle streaked with metallic blue-green; an oblique postmedial series of four elongate white spots irrorated with brown from below the costa to above vein 3, and a minute spot above base of vein 6. Hindwing deep metallic blue, the costa chocolate brown, the cilia dark brown. Underside of forewing chocolate-brown, the costa metallic blue-green to beyond middle with some white below it towards base, the submedian interspace white to beyond middle with oblique outer edge, the postmedial spots white; hindwing chocolate-brown with some blue-green suffusion on costa and inner margin, a white fascia irrorated with brown in the cell, the submedian interspace suffused with white, and white spots beyond the cell above veins 5 to 2.

*Hab. Philippines*, Manila (Ledyard), 1 ♂ type. *Exp.* 50 mill.

Nearest to *P. hecabe* Roths.

#### *Campylotes burmana* n. sp.

♀. Head, thorax, and abdomen black-brown suffused with leaden blue, the coxae, femora, and tibiae below orange-yellow, the abdomen with lateral series of orange-yellow spots, the ventral surface orange-yellow with black segmental lines. Forewing black-brown with leaden blue suffusion along the veins, discal and submedian folds, and on inner margin; a scarlet fascia below basal half of costa bisected by a dark streak on vein 6 except towards base; a scarlet fascia in upper part of middle of cell; orange-yellow streaks above and below the submedian fold and below vein 1 to beyond middle; a small wedge-shaped orange-yellow streak in lower part of cell beyond its middle; orange-yellow spots in upper and lower parts of cell towards its extremity, spots beyond the cell below costa and above veins 6, 5, 2, obliquely placed postmedial spots below costa and above vein 7, the former minute; a curved subterminal series above veins 8, 7, 6, 4, 3, 2, the spot above 7 minute, and short streaks above and below submedian fold. Hindwing black-brown, the veins, discal and submedian folds tinged with blue, the termen suffused with metallic blue; scarlet fasciae in the cell above and below discal fold, and scarlet and yellow fasciae above and below submedian fold, and on inner area above and below vein 1 *a* to beyond middle; elongate scarlet marks beyond the cell above and below vein 6, and spots above veins 5, 3, 2; a yellow streak below costa towards apex, and a subterminal series of nine yellow spots, the spot below vein 6 minute.

*Hab. Burma*, S. Kyen Hills, 6,000 ft. (Watson), 1 ♀ type. *Exp.* 80 mill.

Differs from *C. splendida* Elwes in the wings having the crimson-red markings replaced by scarlet, those on the inner area of the forewing being orange-yellow and on the hindwing scarlet and yellow.

#### *Amesia viriditincta* n. sp.

♂. Head and thorax black-brown, the frons with white points at sides above and below, the vertex of head with slight white streak and the eyes with white lines behind, the tegulae and patagia with some white scales on their edges; abdomen fuscous black glossed with blue-green; small white spots below the eyes, the pectus and abdomen with white and metallic blue marks at sides, the tibiae slightly streaked with white. Forewing black-brown; the basal area obliquely with slight diffused white and blue marks; small obliquely placed chrome-yellow antemedial spots below costa and above and below submedian



fold, with two spots beyond them in the cell; an oblique chestnut-red medial line from subcostal nervure to vein 1, incurved just below the cell and with the veins and submedian fold beyond it streaked with chestnut-red to near termen; a blue and white striga from costa before middle; small white spots below middle of costa, in upper end of cell, beyond the cell in discal fold, a strongly curved postmedial series from below costa to below vein 2, and a curved subterminal series with the spot above vein 2 rather farther from the termen and the spot below submedian fold much farther. Hindwing fuscous black suffused with metallic blue-green, the costal area, cell to origin of vein 2, a fascia below the cell, and the terminal area to submedian fold more strongly suffused, and the inner area very slightly suffused; two small white spots in end of cell, a curved postmedial series from below costa to above vein 2, and a subterminal series on veins 6 to 2. Underside dark chocolate-brown with the inner areas suffused with metallic blue, the white spots placed on diffused blue marks, the forewing with two yellow antemedial spots below costa and two in the cell, the hindwing with slight yellow antemedial spot below costa and a larger spot in upper part of middle of cell.

*Hab. Formosa*, Horisha (H. J. Elwes), 1 ♂ type. *Exp.* 80 mill.

Differs from *A. sangiflua* in the hindwing being suffused with blue-green extending to the base, except on inner area, instead of brilliant blue almost confined to the terminal area.

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