

LXV.—*Descriptions of new African Moths.*  
By Sir GEORGE F. HAMPSON, Bart., F.Z.S., &c.

Noctuidæ.

*PLUSIANÆ.*

*Polychrystia camptogamma*, sp. n.

♀. Head and thorax red-brown mixed with some greyish; tarsi ringed with whitish; abdomen grey suffused with brown, whitish at base. Fore wing grey suffused with red-brown and with slight dark irroration; traces of a silvery streak in base of submedian fold; subbasal line represented by a curved silvery striga from costa; antemedial line represented by an oblique silvery striga from costa and inwardly oblique sinuous silvery line from cell to inner margin; an oblique silvery Y-shaped stigma below end of cell, filled in with greyish and with downcurved silvery streak above it in cell, the inner arm of the stigma sinuous, some golden cupreous suffusion beyond and below it; postmedial line indistinct, strongly bent outwards below costa and incurved below the tail of the Y-shaped stigma, where there is some silvery white on it, some greyish points beyond it on costa and an oblique shade from below costa to its outer edge at vein 4; subterminal line greyish defined on inner side by dark brown from vein 7 to 2, and a wedge-shaped patch in submedian fold excurved to termen at vein 6, then incurved, a dark patch beyond it at middle; a terminal series of black striæ defined on inner side by a greyish line. Hind wing brown with a slight cupreous tinge; cilia greyish with a dark line at base; the underside grey-brown with diffused grey-white medial shade.

*Hab.* BR. E. AFRICA, Kikuyu, Roromo (*Crawshay*), 1 ♀ type. *Exp.* 34 mm.

*Plusia gammaloba*, sp. n.

♂. Head and thorax bright rufous mixed with grey; tegulæ with slight dark medial line and white tips; abdomen pale rufous, the basal crest fiery red tipped with grey, the crest on second segment brown tipped with grey. Fore wing bright golden cupreous with slight dark irroration; subbasal line represented by a silvery striga from costa and double striga from cell; antemedial line silvery defined by cupreous brown, excurved below costa, angled inwards in



cell, oblique and sinuous from cell to inner margin; the stigma formed by a small black spot defined at sides by silvery striæ above median nervure and a Y-shaped silvery mark below the cell filled in with whitish, its tail bent outwards and dilated into a triangular lobe filled in with silvery white; reniform represented by a silvery striga on upper discocellular, with elliptical cupreous brown mark beyond it and two silvery striæ below, forming with the median nervure an incomplete triangle; postmedial line indistinctly double, filled in with silvery grey, obliquely curved and minutely waved from costa to submedian fold, where it is angled inwards, then bent outwards, some grey-white suffusion before and beyond it from costa to vein 3, narrowing below; subterminal line silvery white, excurved from costa to vein 6, then oblique, some grey-white beyond it at middle and in submedian interspace; a fine silvery-white line just before termen; cilia grey-white mixed with cupreous brown. Hind wing cupreous brown, the cilia with fine whitish line at base and white tips; the underside whitish suffused and irrorated with red-brown, an indistinct oblique postmedial line, the area beyond it dark brown with a cupreous gloss.

♀. Abdomen greyer; hind wing darker.

*Hab.* MADAGASCAR, Betsileo (Cowan), 1 ♂, 1 ♀ type.

*Exp.*, ♂ 44, ♀ 40 mm.

Allied to *P. biloba*, Steph.

*Plusia tetrastigma*, sp. n.

♀. Head, thorax, and abdomen red-brown mixed with grey-white. Fore-wing grey-brown irrorated and striated with dark brown, a large triangular patch of dark red-brown extending obliquely from apex below costa into the end of cell and down to vein 2; traces of a sinuous grey subbasal line from costa to vein 1 and of a sinuous grey antemedial line; an oblique silvery stigma formed by a minute silver lunule above median nervure towards end of cell, a round spot below median nervure almost or quite touching an elliptical spot with another round spot below it; reniform faintly defined by grey and strongly constricted at middle; postmedial line very slight and indistinct, grey, sinuous, angled inwards in submedian fold below the silvery stigma; the veins of terminal area slightly streaked with grey; a fine waved grey subterminal line and fine waved grey line just before termen. Hind wing whitish suffused with reddish brown especially on terminal area; cilia whitish, with a brown line through them; the underside whitish irrorated with



brown, the terminal area suffused with brown, a brown discoidal lunule and faint subterminal shade.

*Hab.* TRANSVAAL, White R. (Cooke), 1 ♀; NATAL, Durban (Bell-Marley), 1 ♀ type. *Exp.* 34 mm.

Nearest to *P. aranea*, Hmps. n.

*Plusia argyrodonta*, sp. n.

♂. Head and thorax brown mixed with grey-white; abdomen ochreous. Fore wing grey suffused with cupreous brown and slightly striated with black; subbasal line represented by double curved black strigæ from costa and oblique white striga from cell defined on each side by black, rather diffused on outer side; antemedial line double, black filled in with whitish, obsolete on costal half and oblique from cell to inner margin; the stigma below the cell oblique V-shaped, silvery white filled in with brownish white, its inner arm sinuous; reniform defined at sides by silvery white and black, constricted at middle and slightly angled inwards above median nervure; postmedial line double, filled in with whitish, oblique from costa to submedian fold, then bent outwards, somewhat dentate towards costa; subterminal line slight, whitish, defined on inner side by fuscous suffusion, slightly incurved at discal fold and angled outwards below veins 4 and 3; a faint whitish line before termen and fine black terminal line; cilia white, mixed with brown at tips. Hind wing pure white; a fine brown terminal line; the underside with the costal area slightly irrorated with brown, a discoidal point and postmedial series of minute streaks on the veins.

*Hab.* NATAL, Maritzburg, 1 ♂ type. *Exp.* 40 mm.

Allied to *P. lavendula*, Hmps. n.

*Plusia clarci*, sp. n.

♀. Head, thorax, and abdomen reddish brown mixed with grey-white; tegulæ with slight white line near base and white tips. Fore wing pale grey largely suffused with cupreous brown, especially at middle of medial area and beyond the postmedial line, and sparsely irrorated with dark brown; subbasal line silvery white, straight, from costa to vein 1, a patch of cupreous brown suffusion beyond it; antemedial line represented by an oblique silvery-white striga from costa and obliquely curved line from cell to inner margin defined on each side slightly by dark brown; a small silver U-shaped stigma filled in with grey below the cell towards extremity, with a small rather triangular silver spot obliquely



placed below it; reniform represented by an indistinct brown bar on its inner edge and some slight spots on its outer, an oblique brown shade to it from costa; postmedial line double grey-white filled in with brown, the outer line with silvery outer edge, bent outwards below costa, then oblique, incurved at discal fold, then slightly sinuous; a silvery-white subterminal line from above vein 2 to tornus; a grey-white line just before termen from costa to vein 3, double towards costa; a terminal series of slight dark brown lunules and striæ; cilia brownish at base, grey-white at tips. Hind wing whitish tinged with brown, the terminal area broadly fuscous brown with a cupreous tinge; cilia white, with a brown line near base; the underside white thickly irrorated with brown, oblique brown medial and postmedial rather indistinct lines, and a broad diffused subterminal shade.

*Hab.* NATAL, Durban (*E. L. Clark*), 2 ♀ type. *Exp.* 38 mm.

Nearest to *P. lavendula*, Hmps.

*Plusia microstigma*, sp. n.

♀. Head, thorax, and abdomen reddish brown mixed with grey; antennæ with the shaft ringed with white towards base; tarsi ringed with white. Fore wing golden bronze-brown thickly irrorated with grey; traces of an oblique antemedial line; the stigma below the cell small, oblique, V-shaped, its outer arm and a small spot at its apex silvery white; orbicular and reniform very indistinctly defined by grey, the former rather oblique elliptical, the latter constricted at middle; an oblique indistinct rather diffused line from lower angle of cell to inner margin; postmedial line indistinct, oblique, sinuous; traces of a dark subterminal line, excurved below vein 7, angled inwards at discal and submedian folds and outwards below vein 4; a series of minute white striæ just before termen. Hind wing uniform golden bronze-brown, the cilia with a pale line at base and white tips; the underside white thickly irrorated with brown, the terminal area broadly fuscous, with some white irroration near termen.

*Hab.* GOLD COAST (*Johnston*), 1 ♀ type. *Exp.* 26 mm.

Nearest to *P. livida*, Holl.

*Plusia phoece*, sp. n.

♂. Head and thorax red-brown with a greyish tinge; tarsi ringed with whitish; abdomen pale ochreous brown, the basal crest and ventral surface grey-brown. Fore wing red-brown with a silvery-grey gloss; subbasal line slight,



whitish, from costa to vein 1; antemedial line obsolete on costal half, slight, oblique, and silvery from cell to inner margin, slightly defined on inner side by dark brown and on outer by a dark shade expanding into a triangular patch below the stigma, which is indistinct silvery U-shaped, with a silvery-white point beyond its lower extremity; reniform very indistinct, dark brown, with slight silvery points on its inner and outer edges, rather quadrate; an indistinct brown spot at middle of costa and oblique shade from lower angle of cell to inner margin; postmedial line slight, silvery, defined on each side by dark brown, excurved below costa, then oblique, excurved at middle and bent outwards below submedian fold; subterminal line silvery grey defined on inner side by dark brown suffusion, angled outwards at vein 7, then slightly incurved and oblique to tornus, some dark suffusion beyond it at middle; a series of slight silvery striæ just before termen. Hind wing brown, with a cupreous gloss; cilia white at tips; the underside whitish suffused with brown, the terminal area broadly fuscous brown.

*Hab.* NATAL, Durban (*E. L. Clark*), 2 ♂ type. *Exp.* 36 mm.

Closely allied to *P. agramma*, Guen.

#### NOCTUINÆ.

##### *Exophila multistriata*, sp. n.

Head and thorax grey-white tinged with rufous and irrorated with a few black scales; abdomen pale brownish grey. Fore wing pale ochreous brown with extremely numerous pale striæ and slight black irroration, suffused with white except on terminal area; a faint oblique postmedial dark shade from vein 5 to inner margin, with a black spot on its outer edge at submedian fold; cilia somewhat darker brown. Hind wing brownish ochreous with a faint brown postmedial shade and some brown suffusion on termen; the underside ochreous white, the costal area and termen except towards tornus irrorated with large black scales; a black discoidal point.

*Hab.* NATAL, Durban (*Leigh*), 3 ♂, 5 ♀ type. *Exp.* 40-46 mm.

Closely allied to *E. rectangularis*, Hübn.

#### Lymantriadæ.

##### *Caviria flavifrons*, sp. n.

♀. Head, thorax, and abdomen white; palpi, frons, and



front of pectus orange-yellow ; antennæ with the branches brownish ; fore and mid legs slightly streaked with brown. Fore wing uniform silvery white. Hind wing semihyaline white with a silvery gloss.

*Hab.* BR. E. AFRICA, Mdimu (*Betton*), 1 ♀ type. *Exp.* 46 mm.

Allied to *C. luteipes*, Wlk.

*Redoa rufiterga*, sp. n.

♂. Head and thorax red-brown with some white mixed ; palpi black and white ; antennæ with the shaft white, the branches red-brown ; pectus and legs white, the fore and mid legs tinged with ochreous and irrorated with black ; abdomen white, with slight dark segmental rings except at extremity and below, and lateral streaks except at extremity. Fore wing silvery white with a very few black scales on veins of terminal area ; the costal edge yellowish, black towards base and apex ; a small black spot in middle of cell and four points at lower angle ; cilia yellow at tips. Hind wing pure white.

*Hab.* S. NIGERIA, Lagos (*Boag*), 1 ♂ type. *Exp.* 50 mm.

*Pteredoa hololeuca*, sp. n.

Fore wing with veins 10, 11 coincident.

♀. Head, thorax, and abdomen pure white ; palpi black above ; antennæ with the branches brownish ; tibiæ and tarsi streaked with black. Fore wing pure white. Hind wing semihyaline white.

*Hab.* UGANDA, Entebbe (*Minchin*), 1 ♀ type. *Exp.* 34 mm.

Near *P. usebia*, Swinh.

*Pteredoa atripalpia*, sp. n.

♀. Head, thorax, and abdomen white ; palpi black above ; antennæ brownish ochreous ; tibiæ streaked with black, the tarsi black ; abdomen ventrally tinged with ochreous. Fore wing white tinged with ochreous. Hind wing white.

*Hab.* ABYSSINIA, Atbara R. (*Gerrard*), 1 ♀, Galla Co. (*Degen*), 1 ♀ type. *Exp.* 38 mm.

Near *P. usebia*, Swinh.

*Porthesia erythrosticta*, sp. n.

♀. Head and thorax ochreous white ; palpi with some black scales ; antennæ brownish ; abdomen white, the anal



tuft fulvous yellow. Fore wing ochreous white; a post-medial spot formed of black scales above vein 7 and orange-red spot irrorated with black below vein 7, a minute orange-red and black mark below vein 4, and three obliquely placed orange-red and black spots between vein 2 and inner margin. Hind wing white.

*Hab.* SUDAN, Khartum (*Longstaff*), 1 ♀ type. *Exp.* 36 mm.

Resembles *Euproctis rufopunctata*, Wlk.

*Euproctis lepidographa*, sp. n.

Hind wing with veins 3, 4 stalked almost to termen.

♀. Head and thorax yellow; abdomen white, the ventral surface tinged with yellow, the anal tuft reddish brown. Fore wing yellow; antemedial line defined, except at costa, by broad bands of raised black scales interrupted at the veins and submedian fold, curved; postmedial line defined on each side by patches of raised black scales in the interspaces, confluent at inner margin with the scales beyond the antemedial line, the line angled outwards at vein 4, then oblique. Hind wing white.

*Hab.* GOLD COAST, Kumasi (*Whiteside*), 1 ♀ type. *Exp.* 34 mm.

Allied to *E. inconcisa*, Wlk., from India.

*Euproctis rufiterga*, sp. n.

♂. Head and thorax white suffused with rufous; antennæ with the branches rufous; hind legs and abdomen white. Fore wing white; a slight rufous tinge at base; a yellowish patch below middle of cell; some black scales on discocellulars and a large patch of raised black scales on a yellowish patch between lower angle of cell and inner margin; a subterminal point below vein 8, small spot below 6, and a few scales above tornus. Hind wing white.

*Hab.* GOLD COAST, Kumasi (*Whiteside*), 1 ♂ type. *Exp.* 26 mm.

Nearest to *E. fasciata*, Wlk.

*Euproctis melanopholis*, sp. n.

♀. Head, thorax, and abdomen white tinged with ochreous yellow. Fore wing white tinged with ochreous yellow, the inner area irrorated with a few large black scales except towards base; a black discoidal point; subterminal points formed of brown and black scales from costa to below vein 5



and a point below vein 3, with yellow patches before them below costa and at middle. Hind wing white.

On the right-hand side of the type the neuration is much distorted, veins 6, 7 being strongly stalked, with a bar above vein 7 as if to form part of a very long and incomplete areole.

*Hab.* GOLD COAST, Ashanti, Obuassi (*Bergman*), 1 ♀ type. *Exp.* 36 mm.

Nearest to *E. rubroguttata*, Auriv.

*Euproctis fumitincta*, sp. n.

♂. Head and thorax reddish ochreous with a few brown hairs; palpi and fore legs in front suffused with fuscous; abdomen brownish ochreous. Fore wing brownish ochreous; the costal edge brown, black towards base; a faint reddish-brown shade at end of cell from below costa to inner margin. Hind wing ochreous suffused with brown. Underside of both wings suffused with fuscous brown.

*Hab.* GOLD COAST, Kumasi (*Whiteside*), 1 ♂ type. *Exp.* 20 mm.

Nearest to *E. cervina*, Moore, from Ceylon.

*Euproctis xanthosoma*, sp. n.

♂. Head and thorax dark brown mixed with grey-white; palpi orange; frons with some orange hairs; tarsi dark brown banded with white; abdomen orange-yellow with dorsal series of black spots, the lateral tufts of hair with brown mixed. Fore wing dark brown mixed with grey-white; a subbasal brown point in cell; an antemedial series of points formed of raised brown scales from cell to inner margin; a point in upper part of middle of cell and point below middle of cell; slight bars across end of cell and on discocellulars; a postmedial punctiform line formed of brown scales, oblique from vein 4 to submedian fold, then somewhat bent outwards to inner margin; a punctiform subterminal line slightly excurved at middle; a terminal series of blackish striæ. Hind wing uniform dark brown; the underside with a greyish tinge.

*Hab.* SUDAN, White Nile, Kosti (*Longstaff*), 1 ♂ type. *Exp.* 20 mm.

Very distinct from all other species known to me.

*Lacipa heterosticta*, sp. n.

♀. Head, thorax, and abdomen white, the patagia with



orange spots, the anal tuft blackish brown. Fore wing white; subbasal orange spots below costa and cell; an antemedial orange spot below costa, a spot rather further from base below the cell, and spot above vein 1; an orange bar across middle of cell; a postmedial series of small orange spots, obliquely curved from below costa towards apex to below end of cell, then erect; the spots below veins 5 and 4 sometimes black and the spot below end of cell sometimes with some black on it. Hind wing white.

*Hab.* UGANDA, White Nile, Gondokoro (*Reynes-Cole*), 5 ♀ type. *Exp.* 22–28 mm.

Allied to *L. gemmata*, Dist.

*Lacipa argyroleuca*, sp. n.

♂. Head and thorax white, the latter with orange streaks on dorsum and patagia; palpi and lower part of frons orange; antennæ with the branches rufous; legs tinged with brown, the fore femora black above; abdomen white tinged with yellow towards extremity. Fore wing silvery white; the costal edge brown; an orange subbasal band, oblique to below the cell; an orange antemedial band, interrupted at the veins, excurved in cell; an orange discoidal spot; a maculate orange postmedial band, excurved to vein 4, then incurved, the spots below veins 5 and 4 black; a subterminal series of orange spots. Hind wing white.

*Hab.* S. NIGERIA, Lagos, Ebute Meta (*Boag*), 1 ♂ type. *Exp.* 24 mm.

Allied to *L. gemmata*, Dist.

*Lacipa melanosticta*, sp. n.

♂. Head and thorax white; palpi black fringed with yellow in front; antennæ with the branches brown; legs black on inner side, the tarsi banded with black; abdomen yellowish white with blackish segmental rings. Fore wing white, the costa fuscous, narrowly towards base; an antemedial black point in submedian fold, traces of a yellow antemedial line angled outwards in cell; three black points at end of cell in an inverted triangle and black points beyond lower angle of cell below veins 5 and 4, with traces of an oblique yellow postmedial line just beyond them slightly incurved below vein 4; a series of black points before termen. Hind wing pale yellow, with series of slight black points just before termen from apex to vein 2. Underside of fore wing suffused with fuscous, the inner area yellowish; hind wing with black discoidal spot.



*Hab.* BR. E. AFRICA, Nairobi (*Ford*), 1 ♂ type; UGANDA, Ketoma (*Doggett*), 1 ♂, Mulema (*Doggett*), 1 ♂. *Exp.* 30 mm.

Allied to *L. florida*, Swinh.

*Lacipa flavitincta*, sp. n.

♀. Head, thorax, and abdomen ochreous yellow; antennæ with the branches brownish. Fore wing white faintly tinged with yellow, more strongly so at base, and very slightly irrorated with fuscous scales; an indistinct curved yellow antemedial line; two black points in end of cell and one beyond the cell; a yellow postmedial line, oblique from costa towards apex to submedian fold, then erect; traces of an oblique brownish subterminal shade; a series of small black spots just before termen. Hind wing white.

*Hab.* BR. E. AFRICA, Machakos (*Crawshay*), 1 ♀ type; UGANDA, Mulema (*Doggett*), 1 ♀. *Exp.* 24 mm.

Allied to *L. florida*, Swinh.

*Lacipa croceigramma*, sp. n.

♂. Head and thorax white, the tegulæ orange; palpi black fringed with yellow in front; antennæ with the branches rufous; fore legs fuscous in front; abdomen yellow with black segmental rings. Fore wing silvery white; sub-basal orange spots below costa and cell; an antemedial black point in submedian fold, followed by an orange band slightly bent inwards below the cell; two black points in end of cell and two or one just beyond the cell; an orange postmedial band, slightly incurved below vein 4; a series of black points just before termen. Hind wing white faintly tinged with yellow; the underside with black discoidal spot and sometimes three small spots just before termen below apex.

*Hab.* N. NIGERIA, Lokoja (*Dudgeon*), 3 ♂ type. *Exp.* 22 mm.

Allied to *L. sundara*, Swinh.

*Lælia evanescens*, sp. n.

♂. Head and thorax fulvous yellow; palpi with the second joint black above; legs black in front; abdomen brownish white, the ventral surface fulvous yellow. Fore wing pale yellow, the costa tinged with fulvous towards base; a post-medial series of faint brownish spots, the spots below veins 3 and 2 bent inwards below the cell. Hind wing pale yellow.



*Hab.* UGANDA, White Nile, Gondokoro (*Reynes-Cole*), 3 ♂ type, Bugoma (*Ladbury*), 1 ♂, Marengi (*Christy*), 1 ♂; BR. E. AFRICA, Kanisa (*Betton*), 2 ♂, Shambe (*Betton*), 1 ♂. *Exp.* 30–40 mm.

Closely allied to *L. setinoides*, Holl., and *adspersa*, H.-S.

*Lælia fuscinotata*, sp. n.

♂. Head and thorax pale reddish brown mixed with fuscous; legs blackish in front; abdomen pale ochreous, the ventral surface deeper ochreous. Fore wing pale reddish brown thickly irrorated with black; two almost conjoined medial black points in submedian interspace; a small blackish spot just beyond the cell and a spot below vein 3 below end of cell; small subterminal black spots above and below vein 7 and slight marks above and below vein 4; cilia chequered pale reddish brown and fuscous. Hind wing whitish tinged with ochreous brown; traces of subterminal fuscous spots from costa to vein 2, towards which they are bent inwards; the termen slightly irrorated with fuscous; the underside slightly irrorated with black except on inner area, the subterminal spots more distinct.

♀. Much darker brown; fore and hind wings without spots.

*Hab.* UGANDA, Ruwenzori (*Wollaston*), 1 ♂ type, Marengi (*Christy*), 1 ♀.

Nearest to *L. figlina*, Dist.

*Lælia perbrunnea*, sp. n.

♀. Head and thorax dark red-brown mixed with black-brown; abdomen red-brown. Fore wing dark red-brown slightly irrorated with black; a blackish discoidal bar. Hind wing pale reddish brown with slight dark irroration.

*Hab.* BR. E. AFRICA, Njoro (*Cholmley*), 1 ♀ type. *Exp.* 34–40 mm.

Nearest to *L. figlina*, Dist.

*Lælia albida*, sp. n.

♂. Head and thorax fulvous yellow; abdomen white, the ventral surface tinged with yellow. Fore wing yellowish white, the base of costa slightly tinged with fulvous. Hind wing semihyaline white.

*Hab.* S. NIGERIA, Sapele (*Sampson*), 1 ♂ type. *Exp.* 34 mm.

Near *L. adspersa*, H.-S., but without spots on fore wing.



*Lælia nigripes*, sp. n.

♂. Head, thorax, and abdomen fulvous yellow; antennæ with the branches rufous; fore and mid legs black in front. Fore wing semihyaline ochreous white, the base and costal edge tinged with fulvous. Hind wing semihyaline ochreous white. Underside of both wings tinged with fulvous; fore wing with a faint brownish tinge on disk.

*Hab.* N. NIGERIA, Borgu, Yelwa Lake (*Migeod*), 1 ♂ type. *Exp.* 26 mm.

Near *L. adspersa*, H.-S., but without spots on fore wing.

*Lælia seminuda*, sp. n.

♂. Head, thorax, and abdomen fulvous brown; tibiæ and tarsi tinged with fuscous. Fore wing fulvous brown, rather thinly scaled and with a faint fuscous tinge on disk; cilia yellowish rufous. Hind wing semihyaline rufous, the cilia yellowish rufous.

♀. Wings much paler semihyaline rufous; anal tuft fuscous brown.

*Hab.* SUDAN, White Nile, Roseires (*Longstaff*), 1 ♂ type, Gondokoro (*Reynes-Cole*), 1 ♀; BR. E. AFRICA, Sanduk (*Betton*), 1 ♀. *Exp.*, ♂ 32, ♀ 44 mm.

Near *L. testacea*, Wlk., but without the discoidal spot on fore wing.

*Lælia atrisquamata*, sp. n.

♀. Head, thorax, and abdomen ochreous white; palpi blackish at tips; antennæ with the branches brown; fore legs irrorated with black in front. Fore wing ochreous white irrorated with a few large black scales; small spots formed of aggregations of a few black scales at middle of cell and lower angle. Hind wing white with a faint ochreous tinge.

*Hab.* GOLD COAST, Ashanti, Obuassi (*Bergman*), 1 ♀ type. *Exp.* 56 mm.

*Lælia sericea*, sp. n.

♂. Head, thorax, and abdomen ochreous white; palpi orange; antennæ with the branches rufous; tibiæ and tarsi streaked with fuscous; abdomen fulvous yellow below. Fore wing silky whitish tinged with brownish ochreous, the costal area more ochreous, the veins slightly darker, the cilia ochreous white. Hind wing silky whitish tinged with brown,



the cilia ochreous white. Underside of both wings tinged with rufous.

♀. Anal tuft brown; wings semihyaline whitish, the veins of fore wing brownish; the underside with the costa of both wings slightly tinged with rufous.

*Hab.* UGANDA, White Nile, Gondokoro (*Reynes-Cole*), 2 ♀, Ketoma (*Doggett*), 1 ♀; TRANSVAAL, Warmbad (*Janse*), 1 ♂, 1 ♀ type. *Exp.* 38-40 mm.

Nearest to *L. phlebitis*, Hmps. n.

*Lælia discolepia*, sp. n.

♀. Head, thorax, and abdomen ochreous yellow; palpi, fore and mid legs irrorated with black; antennæ with the shaft irrorated with black, the branches black. Fore wing ochreous yellow; a patch of irroration formed of large black scales in and beyond end of cell; a few large black scales in cell near base and on inner and terminal areas; the cilia with some black scales at tips towards apex. Hind wing rather paler ochreous yellow; the underside with a few black scales on costal area towards apex.

*Hab.* SIERRA LEONE (*Dudgeon*), 1 ♀ type. *Exp.* 50 mm.

*Lælia rivularis*, sp. n.

♀. Head and thorax pale ochreous brown; abdomen brownish white. Fore wing pale ochreous brown; a blackish antemedial point below the cell; an indistinct brownish line from middle of costa, acutely angled outwards to lower angle of cell, where it is met by an indistinct oblique line from costa beyond middle, then bent inwards to origin of vein 2 and oblique to inner margin; an oblique straight brown line from costa towards apex to middle of inner margin, the area before it rather whiter between veins 5 and 2; a brownish subterminal line with more or less complete series of small black spots on it and slightly defined on outer side by ochreous, oblique below vein 4; cilia blackish at tips. Hind wing white tinged with ochreous brown; a subterminal maculate dark line from vein 6 to inner margin; the termen with slight brown irroration. Underside of fore wing with diffused oblique brown patch at upper angle of cell and postmedial line oblique to vein 2, then erect; hind wing with dark discoidal spot and postmedial line excurved below costa.

Ab. 1. Fore wing yellow; hind wing yellowish white. Masevi.



*Hab.* UGANDA, Masevi (*Christy*), 1 ♀, Ruwenzori (*Wollaston*), 1 ♀ type. *Exp.* 48 mm.

Allied to *L. diapera*, Hmps., and *fracta*, Schaus.

*Lælia straminea*, sp. n.

♀. Head and thorax ochreous tinged with red-brown; fore tibiæ and tarsi red-brown on inner side; abdomen ochreous white faintly tinged with rufous. Fore wing ochreous tinged with rufous and irrorated with red-brown; antemedial line indistinct, red-brown, slightly excurved below costa, then erect; slight brown points in and beyond lower angle of cell and slight points or minute streaks beyond upper angle above and below vein 7; postmedial line red-brown, very oblique, straight; an oblique subterminal series of small brown spots in the interspaces from below vein 7 to inner margin; cilia red-brown. Hind wing creamy white with a faint red-brown tinge at middle of termen; the underside with the termen slightly irrorated with red-brown from apex to vein 2.

*Hab.* S. NIGERIA, Old Calabar (*Crompton*), 2 ♀ type. *Exp.* 50 mm.

Allied to *L. rivularis*.

*Lælia gigantea*, sp. n.

Head, thorax, and abdomen ochreous suffused with red-brown; palpi with the second joint blackish above; fore femora with some dark brown hair above. Fore wing ochreous suffused with red-brown and slightly irrorated with black, the basal half paler except at costa and inner margin with oblique outer edge; traces of a rather diffused dentate brownish antemedial line from below median nervure to inner margin; a small spot formed of aggregated black scales above base of vein 7; two rather diffused very oblique brown postmedial lines and two similar subterminal lines crossed by an oblique brown shade from apex to inner margin just beyond postmedial line. Hind wing ochreous tinged with rufous; a faint brownish discoidal spot; the terminal area slightly irrorated with black; a fine brown terminal line. Underside of fore wing with oblique fuscous-brown discoidal bar; hind wing with discoidal lunule.

*Hab.* CAMEROONS, ♂ in Coll. Druce; UGANDA, Bugoma (*Ladbury*), 1 ♀ type. *Exp.* 82 mm.

Allied to *L. rivularis*.

*Lælia fulvicosta*, sp. n.

♂. Head and thorax fulvous brown, the branches of



antennæ brown; abdomen dark greyish brown with the ventral surface fulvous. Fore wing dark red-brown, the costal edge and cilia fulvous. Hind wing semihyaline dark red-brown, the cilia fulvous at tips.

*Hab.* N. NIGERIA, Lokoja (*Dudgeon*), 1 ♂ type. *Exp.* 22 mm.

Genus STENAROA, nov.

Type *S. ignepicta*.

Proboscis minute; palpi porrect, extending about the length of head; frons smooth; eyes large, round; antennæ of male bipectinate with long branches to apex and with large tuft of hair from basal joint; tibiæ moderately fringed with hair, the hind tibiæ with terminal pair of spurs only. Fore wing rather long and narrow, the apex rounded, the termen obliquely curved; veins 3 and 5 from near angle of cell; 6 from below upper angle; 7 from angle; 8, 9, 10 stalked; 11 from cell. Hind wing with vein 3 from near angle of cell; 5 from above angle; 6, 7 from upper angle; 8 connected with the cell by a bar near middle.

*Stenaroa ignepicta*, sp. n.

♂. Head and tegulæ yellow mixed with fiery red; antennæ and thorax deep red-brown; legs yellow, the tibiæ tinged with fiery red; abdomen dark red-brown, the ventral surface yellowish white. Fore wing dark red-brown; antemedial yellow and fiery-red spots in cell and submedian interspace; a large discoidal spot and slight spots on vein 2 and in submedian fold below end of cell; subterminal yellow and fiery-red spots between veins 7, 6 and 5 and 3. Hind wing dark red-brown.

*Hab.* MADAGASCAR, Betsileo (*Cowan*), 1 ♂ type. *Exp.* 24 mm.

*Aroa leonensis*, sp. n.

♂. Head and thorax red-brown mixed with greyish; antennæ with the shaft ochreous white, the branches red-brown; palpi and legs whitish tinged with brown; abdomen fuscous ringed with white, the ventral surface white. Fore wing grey tinged with rufous and irrorated with fuscous; subbasal line brown somewhat sinuous and oblique, extending to inner margin; antemedial line whitish, oblique, slightly excurved at median nervure, a band of chocolate-red suffusion beyond it; an indistinct dark medial line, incurved at submedian fold; a faint dark discoidal bar; the postmedial area



with diffused whitish patch on disk; two well-separated dark postmedial lines incurved between vein 3 and submedian fold; terminal area dark chocolate-brown, extending to postmedial line on costal area, its inner edge then excurved, angled inwards between veins 3 and 2 and ending on termen above tornus; a slight dark terminal line; cilia whitish tinged with red-brown and with dark brown line through them. Hind wing greyish brown, the apical area dark brown obliquely from middle of costa to termen at vein 2; cilia whitish tinged with brown and with dark brown line through them; the underside greyish tinged with red-brown and irrorated with dark brown, the apical area darker, a sinuous dark postmedial line.

*Hab.* SIERRA LEONE (*Bartlett*), 1 ♂ type. *Exp.* 32 mm.  
Allied to *A. achrodisca*, Hmps.

*Crgyia vetusta*, sp. n.

♂. Head, thorax, and abdomen whitish tinged with brown; antennæ with the branches brown. Fore wing greyish suffused with red-brown and more or less irrorated with black, the medial area more or less suffused with fuscous except towards costa; a faint blackish subbasal line from costa to submedian fold; a diffused oblique sinuous antemedial line defined by whitish on outer side; a reddish discoidal lunule defined by black and produced at upper extremity; postmedial line diffused, black, dentate and excurved to vein 4, then strongly incurved and defined on inner side by whitish; a curved subterminal series of rather elongate black spots from costa to vein 3, towards costa placed on a whitish patch; cilia rufous mixed with black. Hind wing brown tinged with fuscous, the cilia paler and tinged with rufous. Underside of both wings greyish suffused with fuscous brown, the terminal area of fore wing and inner area of hind wing grey.

*Hab.* NIGERIA (*Dudgeon*), 1 ♂, Yorubaland, Ogbomoso (*Carter*), 1 ♂ type. *Exp.* 24 mm.

Allied to *O. postica*, Wlk., from India.

*Dasychira umbricolora*, sp. n.

Abdomen with dorsal crests on basal segments.

♂. Head, thorax, and abdomen umber-brown, the last with the crests blackish; palpi and frons at sides blackish; tarsi blackish with pale rings; ventral surface of abdomen white tinged with red-brown. Fore wing umber-brown with



darker shadings and slightly irrorated with black; antemedial line hardly traceable, oblique below submedian fold; a few black scales on discocellulars and traces of an oblique line from lower angle of cell to inner margin at antemedial line; postmedial line very indistinct, dark, excurved below costa and at middle and incurved at submedian fold, where there is a faint streak of white scales between it and medial line; subterminal line indistinct, blackish, angled inwards below costa, excurved below vein 7 and angled outwards below vein 4, connected below veins 7 and 4 by short streaks with the series of black striæ just before termen; a fine dark terminal line; cilia chequered brown and black. Hind wing reddish brown, the cilia chequered brown and black; the underside grey tinged and irrorated with brown, a blackish discoidal lunule and maculate postmedial and subterminal bands from costa to vein 1.

*Hab.* S. NIGERIA, Lagos, Ebute Meta (*Boag*), 1 ♂ type, Old Calabar (*Crompton*), 1 ♂. *Exp.* 32–34 mm.

Nearest to *D. striata*, Holl.

*Dasychira thermoplaga*, sp. n.

♂. Head and thorax pale brownish grey with a diffused red-brown fascia on vertex of head and thorax; palpi at sides and frontal tuft red-brown; tarsi with the tufts of scales blackish; abdomen grey tinged with brown, the crests blackish. Fore wing grey tinged with olive and irrorated with red-brown; a red-brown patch at base of costa extending to just below the cell, where it is produced outwards; rather conical red-brown patches at middle of costa and inner margin, the former including an indistinctly defined narrow discoidal lunule; small subterminal red-brown spots on costa, below veins 5 and 2, and on inner margin; cilia with a series of black-brown spots. Hind wing ochreous white tinged with brown; cilia with a series of small brown spots; the underside ochreous white slightly irrorated with brown.

*Hab.* SIERRA LEONE (*Dudgeon*), 1 ♂ type. *Exp.* 30 mm. Nearest to *D. whitei*, Druce.

*Dasychira endophæa*, sp. n.

♀. Head and thorax black-brown mixed with some red-brown and grey; tarsi slightly ringed with whitish; abdomen grey-brown suffused with black-brown. Fore wing black-brown mixed with some red-brown and grey, a diffused ochreous patch suffused with red-brown on antemedial area from costa to median nervure and a large subterminal patch



from costa to just below vein 3 with irregular edges; an indistinct curved black subbasal line from costa to vein 1; traces of a curved antemedial line and of an oblique medial line from lower angle of cell to inner margin; postmedial line indistinct, dentate from costa to vein 4, then incurved; the pale patch with its inner edge angled outwards below costa and at discal fold and its outer edge angled inwards at discal fold; the subterminal line only defined by rather dentate black-brown patches on its inner side, the mark below costa placed on the pale patch, then angled outwards to near termen at veins 7, 6, inwards at discal fold, outwards at vein 4, then incurved; cilia intersected by whitish at the veins. Hind wing greyish brown, the cilia whitish at tips; the underside ochreous suffused with reddish brown, a diffused discoidal lunule, oblique diffused postmedial line, and diffused subterminal line.

*Hab.* GOLD COAST, Kumasi (*Whiteside*), 1 ♀ type. *Exp.* 56 mm.

Allied to *D. antica*, Wlk., = *albilunulata*, Karsch.

*Dasychira magnifica*, sp. n.

♂. Head and thorax brown mixed with yellowish, the patagia with some long spatulate yellow and black scales; antennæ with the shaft whitish irrorated with black; tarsi ringed with yellowish; abdomen orange, the crests on three basal segments black, followed by black bands on the terminal segments, the anal tuft blackish tipped with yellow, the ventral surface brown and orange mixed. Fore wing pale red-brown irrorated with black, a band of blackish-brown suffusion beyond the medial line, broad towards costa, the terminal area tinged with greyish; subbasal line blackish, excurved below costa and cell and ending at vein 1; antemedial and medial lines black defined on outer side by greyish, minutely waved; reniform defined by slight black points; postmedial line blackish defined on inner side by a yellowish bar at costa, bent outward below costa, then minutely dentate, angled outwards at vein 4, then incurved; a subterminal series of small somewhat dentate black spots defined on outer side by whitish; a slight irregularly crenulate black line just before termen. Hind wing bright orange, the terminal area broadly black, its inner edge somewhat excurved at middle; cilia ochreous white and fuscous mixed; the underside orange, the costa and the terminal area irrorated with black-brown, a black discoidal spot, a maculate sinuous blackish postmedial band.

*Hab.* NIGERIA (*Dudgeon*), 1 ♂ type. *Exp.* 64 mm.



*Dasychira phoca*, sp. n.

Abdomen without dorsal crests.

♂. Head and thorax black-brown; tarsi mixed with whitish; abdomen brownish ochreous, the ventral surface darker. Fore wing ochreous brown with a cupreous gloss; subbasal line blackish, excurved below costa and cell, and ending at vein 1; antemedial line indistinct, blackish, curved, waved; the discocellulars defined by blackish striæ; a waved blackish line from lower angle of cell to inner margin; postmedial line indistinct, dark, minutely dentate towards costa, incurved and slightly sinuous below vein 4; an indistinct waved blackish subterminal line, excurved at veins 6 and 4; a series of curved blackish striæ just before termen. Hind wing white tinged with brownish ochreous.

♀. Abdomen grey tinged with ochreous brown; fore wing almost entirely suffused with black-brown; hind wing whitish tinged with fuscous brown; the underside white thickly irrorated with brown.

*Hab.* UGANDA, Mulema (*Doggett*), 1 ♂ type. *Exp.* 36–38 mm.

*Dasychira pheosia*, sp. n.

♂. Head and thorax grey mixed with white and red-brown; antennæ with the branches rufous; tips of patagia and metathorax red-brown; fore tibiæ and tarsi red-brown streaked with blackish; abdomen ochreous tinged with rufous, a dorsal black streak on basal segments, some dark brown suffusion at middle. Fore wing ochreous tinged with rufous; an interrupted red-brown streak below basal half of costa and two streaks in cell; a curved dark red-brown fascia from base of costa along vein 1 to beyond middle, then upwards to just before termen at vein 7; a slight double streak with deep red-brown above it above medial part of inner margin, bent upwards to above vein 1 at extremity; the tornal area greyish; reniform faintly defined by some dark scales; slight red-brown streaks below costa towards apex; a fine blackish terminal line; cilia greyish with some blackish at tips. Hind wing yellowish white; the cilia with a dark line through them; the underside with faint brown spot at upper angle of cell.

♀. Fore wing suffused with red-brown and irrorated with blackish, the interspaces beyond the cell with obscure streaks, the reniform more distinct, with pale centre; hind wing suffused with brown; the underside suffused and irrorated



with brown, a dark discoidal spot and diffused curved post-medial and subterminal lines.

*Hab.* GOLD COAST, Kumasi (*Whiteside*), 1 ♂ type; S. NIGERIA, Lagos (*Strachan*), 1 ♀. *Exp.*, ♂ 42, ♀ 44 mm.

Near *D. lignea*, Butl., from Madagascar.

*Dasychira griseinubes*, sp. n.

♀. Head, thorax, and abdomen rufous mixed with ochreous, the ventral surface of abdomen yellower. Fore wing ochreous suffused with rufous and irrorated with red-brown; a curved red-brown antemedial line slightly defined on inner side by ochreous and with a diffused leaden-grey band on its outer side from costa to above vein 1, obscurely forked towards costa; reniform very indistinctly defined by red-brown, its outer edge with long teeth on veins 6 and 4 to postmedial line, which is red-brown, very strongly dentate, the tooth on vein 4 extending to near termen, double below vein 3; the terminal area suffused with red-brown and with a faint sinuous dark line before termen; cilia black-brown at tips. Hind wing ochreous suffused with rufous; the underside with diffused brown postmedial line, excurved to vein 5, then incurved and ending at submedian fold, a rather maculate brown subterminal line from costa to vein 2, obsolescent below vein 5.

*Hab.* S. NIGERIA, Sapele (*Sampson*), 1 ♀ type. *Exp.* 42 mm.

*Dasychira poliotis*, sp. n.

♀. Head and thorax white mixed with pale brown; antennæ with the branches rufous; fore tibiæ irrorated with black, the tarsi blackish ringed with white; abdomen white, dorsally suffused with pale reddish brown and with some yellow at sides. Fore wing white tinged and thickly irrorated with brown, the veins brown; traces of a waved antemedial line; a triangular discoidal mark defined by brown; a brown line from origin of vein 2 to inner margin, angled outwards below vein 2, then slightly sinuous and traces of an obliquely curved line from costa beyond the cell to lower angle of cell; postmedial line rather diffused, brown, obliquely curved and somewhat dentate; traces of a maculate brownish subterminal line and a series of small blackish spots just before termen; a fine dark terminal line. Hind wing white.

*Hab.* TRANSVAAL, White R. (*Cooke*), 1 ♀ type. *Exp.* 54 mm.

Allied to *D. horsfieldi*, Moore.



*Dasychira bryophilina*, sp. n.

♀. Head and thorax yellowish white with a black bar on prothorax and paired spots on meso- and metathorax; palpi and lower part of frons black; antennæ with short black branches; femora black above, the tibiæ and tarsi banded with black; abdomen white suffused with black. Fore wing yellowish white; a curved black subbasal line from costa to below vein 1 near base, emitting a short streak below costa; the antemedial area with slight black striga above inner margin; antemedial line strong, black, angled outwards at median nervure and inwards at submedian fold; a black patch at middle of inner margin conjoining the antemedial, medial, and postmedial lines; a small round black spot at middle of cell; reniform defined by black and with some black in centre; medial line oblique from costa to reniform and incurved from cell to the black patch, some black suffusion beyond it below costa and cell; postmedial line black, strongly bent outwards below costa, slightly angled inwards at discal fold, below vein 4 incurved to near the medial line and produced to very short streaks at the veins; a black spot on costa before apex, very slight subterminal streaks on the veins, and an oblique black bar at tornus; a black terminal line; cilia intersected by black streaks. Hind wing white tinged with fuscous, the terminal area suffused with fuscous; a slight discoidal lunule and terminal series of points and striæ; cilia pure white; the underside with the costal area suffused and irrorated with blackish, the discoidal lunule stronger.

*Hab.* CAPE COLONY, Deelfontein (*Sloggett*), 1 ♀ type. *Exp.* 32 mm.

Allied to *D. octophora*, Hampsn.

*Dasychira pyrosoma*, sp. n.

♂. Head and thorax white, the tegulæ, upper part of patagia, throat, fore femora, and the tibiæ tinged with yellow; palpi with the second joint black above, tinged with yellow in front; antennæ with the branches rufous; abdomen white, the basal segment with slight dorsal tuft of orange-red hair, the second to sixth segments with broad fiery scarlet subdorsal bands, leaving slight white segmental lines and a dorsal streak. Fore wing silvery white; traces of a bisinuate yellowish antemedial line and of a discoidal lunule defined by yellowish; the terminal area with four faint curved yellowish lines; cilia faintly yellowish at base. Hind wing silvery white.



*Hab.* TRANSVAAL, Johannesburg (Cooke), 1 ♂ type. *Exp.* 52 mm.

Allied to *D. confinis*, Dist.

*Dasychira leucogramma*, sp. n.

Hind wing with veins 3, 4 strongly stalked.

♂. Head and thorax white mixed with red-brown; abdomen white. Fore wing white suffused with red-brown; a white streak in submedian fold; an oblique white line from costa before middle to the submedian streak near base, another line from the same point on costa to the submedian streak beyond middle, where it is joined by an oblique white line from costa towards apex. Hind wing pure white.

*Hab.* SIERRA LEONE, Port Lokko (Penny), 1 ♂ type. *Exp.* 24 mm.

*Aclonophlebia triangulifera*, sp. n.

♀. Head, thorax, and abdomen ochreous tinged with rufous; antennæ black-brown except at base; abdomen with small dorsal black-brown spots on second, fourth, and fifth segments and lateral spots on third and fourth segments. Fore wing ochreous yellow tinged with red-brown and irrorated with dark brown on terminal half; two slight subbasal black points in submedian interspace; a medial triangular chocolate-brown patch from below origin of vein 2 to vein 1, edged by black defined by pale yellow, and with oblique black striæ from its angles to inner margin; an ill-defined conical yellow postmedial patch from costa to discal fold and a spot between veins 4 and 3, before the subterminal series of faint brownish spots incurved at discal fold; cilia with some dark brown at tips. Hind wing creamy white, the tornal area suffused with brownish.

*Hab.* BR. E. AFRICA, Taveta (Rogers), 1 ♀ type. *Exp.* 38 mm.

Allied to *A. flavinotata*, Butl.

*Lomadonta ochriaria*, sp. n.

♀. Head, thorax, and abdomen pale ochreous yellow; palpi, pectus, legs, and ventral surface of abdomen orange-yellow; antennæ with the branches rufous; anal tuft dark brown mixed with greyish. Fore wing pale ochreous yellow irrorated with dark brown; traces of a diffused oblique shade of thicker irroration from middle of cell to inner margin, a faint patch of thicker irroration in end of cell, and traces



of curved postmedial and subterminal shades. Hind wing white, the inner area and termen with an ochreous tinge.

*Hab.* GOLD COAST, Kumasi (*Whiteside*), 1 ♀ type. *Exp.* 40 mm.

### Hypsidæ.

#### *Digama strabonis*, sp. n.

♀. Head and thorax white, the frons below and above, the tegulæ at middle and sides, the patagia and prothorax with paired black spots; palpi with black spots at extremities of first, second, and third joints; pectus and legs yellowish white, the fore coxæ and pectus at sides with black spots; abdomen pale yellow, with dorsal, lateral, and sub-lateral series of black spots. Fore wing grey-brown; an irregular white patch at base edged with blackish and almost conjoined to a large very irregular white antemedial patch edged with blackish and with black spots on it below the cell and above inner margin, the upper edge of the patch with two projections to below costa, and the outer edge with two projections in submedian interspace, a small white spot beyond it above inner margin; an elliptical white spot edged with blackish in end of cell conjoined to a spot on costa and with round black spot on it near its inner lower edge; a broad extremely irregular white postmedial band edged with blackish extending into the end of cell and with small black spots on it at the angles of cell and small brown spots beyond the cell above vein 6 and on vein 4, the upper spot elongate, the band expanding on inner side at middle and at vein 1 and on outer with rounded projections below vein 7, at middle and submedian interspace; a series of darker brown spots on termen. Hind wing pale yellow, with a blackish-brown terminal band from apex to vein 3, where it narrows to a point, its inner edge sinuous; cilia white, brown at apex. Underside of fore wing with brown fascia along median nervure from before middle, expanding into a triangular patch extending to below costa beyond the cell, a small black spot on costa before middle, a round spot at middle of cell, and a diffused blackish patch at upper angle of cell.

*Hab.* TRANSVAAL (*Pead*), 1 ♀ type. *Exp.* 42 mm.

Allied to *D. sinuosa*, Hmps.

#### *Digama nepheloptera*, sp. n.

♂. Head and thorax white tinged with brown; tegulæ with black spots; patagia with black spots on shoulders and



two above ; meso- and metathorax with black spots ; palpi with the third joint black ; antennæ blackish ; coxæ with black spots ; legs tinged with fuscous ; abdomen yellow, with dorsal and lateral series of black spots, the ventral surface brownish white. Fore wing brownish white, the costal area and cell white to beyond middle, the markings defined by white ; a small black spot at base and three subbasal spots ; antemedial spots below costa and cell and above vein 1, obliquely placed ; two obliquely placed spots in middle of cell ; a very irregular medial brown band, expanding and blackish at costa, its inner edge angled inwards at submedian fold and vein 1, its outer angled outwards in and below cell, below submedian fold, and at inner margin ; a triangular black-brown postmedial spot on costa and small black spots above veins 6, 4, 3 ; small irregular subterminal brownish spots above and below veins 5 and 2, the terminal area rather darker than the ground-colour and narrowing to a point at apex. Hind wing white faintly tinged with ochreous.

*Hab.* TRANSVAAL, White R. (Cooke), 1 ♂ type. *Exp.* 36 mm.

Nearest to *D. pilosoma*, Feld.

*Digama septempuncta*, sp. n.

♀. Head and thorax white, the frons and vertex of thorax tinged with yellow, the frons above and below, the tegulæ, shoulder, patagia, and prothorax with paired black points ; palpi with black spots at extremities of first, second, and third joints ; fore coxæ and pectus at sides with black spots ; fore tibiæ and tarsi banded with fuscous ; abdomen yellow, with lateral and sublateral series of black spots, the ventral surface whitish. Fore wing creamy white ; a black point at base of costa, a subbasal point in cell, antemedial points below costa and cell, a point in middle of cell and two on discocellulars. Hind wing yellow. Underside of fore wing yellow, the costal edge whitish, a black point in middle of cell and two slight discoidal points.

*Hab.* RODRIGUEZ (Manders), 1 ♀ type. *Exp.* 36 mm.

Nearest to *D. insulana*, Feld.

*Caryatis stenoperas*, sp. n.

♂. Head and tegulæ scarlet, the frons, vertex of head, and tegulæ with black spots ; palpi black, scarlet at base and with white ring at extremity of second joint ; antennæ black, the shaft white above ; thorax black, the tegulæ edged with grey and scarlet, the vertex of thorax with three grey



and scarlet streaks meeting behind; pectus scarlet, with black-brown spots at sides; legs black-brown streaked with white; abdomen scarlet, with dorsal, lateral, and sublateral series of black spots. Fore wing grey-brown, the veins and discal fold on basal half and the submedian fold and vein 1 to termen finely streaked with white; an oblique white band from just below costa beyond middle to termen just above tornus, somewhat expanding at middle; a slight scarlet mark at base. Hind wing orange-scarlet, with narrow black-brown band at apex.

*Hab.* UGANDA, Entebbe (*Minchin*), 1 ♀ type. *Exp.* 54 mm.

Allied to *C. phileta*, Drury.

*Geodena sphingifacies*, sp. n.

♂. Head black, the frons, two slight streaks on back of head, and the tegulae orange; palpi white and orange at base; thorax white tinged with brown; abdomen white with some brown at extremity, the ventral surface with the basal segments tinged with fulvous, the terminal segments with fuscous bands. Fore wing semihyaline white, the costa fuscous black, the terminal area broadly fuscous black, the outer edge of the white area running obliquely from below costa just beyond middle to below vein 3, where it is acutely angled, again angled at vein 2, then incurved and oblique to inner margin towards tornus; a small white spot above vein 6. Hind wing semihyaline white; a black point on upper discocellular; a fuscous black terminal band with very irregular inner edge, incurved below costa, angled outwards at vein 6, excurved to termen at vein 3, and angled inwards at vein 2 and submedian fold.

*Hab.* UGANDA, Kimmi I. (*Minchin*), 2 ♂ type. *Exp.* 42 mm.

Allied to *G. inferna*, Swinh.

*Geodena monostigma*, sp. n.

♂. Head, thorax, and abdomen white tinged with brown; palpi and branches of antennae blackish. Fore wing semihyaline brownish white; a black discoidal spot and traces of a postmedial spot in submedian fold. Hind wing semihyaline brownish white, with a small black discoidal spot; both wings with fine dark terminal line.

*Hab.* UGANDA (*Doggett*), 1 ♂ type. *Exp.* 40 mm.

Allied to *G. semihyalina*, Swinh., and *disticta*, B.-Baker.



*Soloe fumipennis*, sp. n.

Head, thorax, and abdomen fulvous orange; palpi with the third joint black; antennæ brown except towards base; femora at extremities and the tibiæ and tarsi fuscous. Fore wing semihyaline brown, the costal edge fuscous; a small fulvous-orange mark at base; a round black spot in cell before middle and another on discocellulars. Hind wing semihyaline brown; a round black discoidal spot.

*Hab.* GAZALAND, Chirinda Forest (*Marshall*), 2 ♂, 4 ♀ type. *Exp.* 48–50 mm.

Allied to *S. trigutta*, Wlk.

## Sphingidæ.

*PERGESINÆ.**Hippotion pentagramma*, sp. n.

Head, thorax, and abdomen grey-brown; palpi rufous at sides except at tips; pectus and ventral surface of abdomen white, the femora and tibiæ rufous streaked with white. Fore wing pale grey-brown; the costal edge rufous; traces of two rufous antemedial lines, acutely angled outwards on median nervure, then very oblique and not reaching inner margin; a diffused rather bifid rufous patch beyond the cell with some fuscous on it above vein 4; five very obliquely curved postmedial brown lines, bent inwards to costa, the outermost line rather stronger, met by an oblique streak from apex and with blackish points on it at the veins; the terminal area slightly irrorated with black. Hind wing fuscous brown; the subterminal area reddish from vein 5 to submedian fold with slight dark spots on the veins; the termen grey irrorated with black except at apex; cilia pale; the underside pale reddish striated with fuscous, the inner area whitish, a slightly waved fuscous subterminal line from costa to submedian fold, double towards costa.

*Hab.* ABYSSINIA, Daladu (*Drake-Brockman*), 1 ♂, 1 ♀; SOMALILAND (*Drake-Brockman*), 1 ♂ type. *Exp.* 46–58 mm.

Nearest to *H. chloris*, Roths.

## Notodontidæ.

*Spatalia baccata*, sp. n.

♀. Head and thorax grey-brown mixed with deep rufous; abdomen grey-brown. Fore wing grey-brown, the area between subcostal nervure and vein 1 to postmedial line



ochreous yellow thickly irrorated with deep blood-red; an oblique antemedial maculate silvery band between subcostal nervure and vein 1, defined on outer side by deep blood-red and traversed by a slight blood-red striated line; a grey-brown discoidal bar; an oblique postmedial series of round silvery spots from below costa to vein 1, the uppermost spot traversed by a blood-red striga, the red and yellow extending to just beyond the uppermost spot; a fine crenulate red-brown subterminal line slightly defined on inner side by grey; a fine blackish terminal line. Hind wing grey-brown, the cilia pale at tips; the underside white faintly tinged with brown, especially on terminal area.

*Hab.* N. NIGERIA, Ilorin (*Lugard*), 1 ♀ type. *Exp.* 32 mm.

Allied to *S. argyrophora*, Hmps. n.

*Cerura marshalli*, sp. n.

♂. Head and thorax white, the tegulae tinged with ochreous; palpi and frons below and at sides black; antennae with the branches black and the shaft suffused with black at middle; a black point on vertex of head; a black band behind tegulae, the dorsum of thorax black and two black spots on metathorax, the tips of the black scales with a silvery gloss; tibiae spotted with black, the tarsi black, with some white hairs; abdomen black, with a few white hairs, the hair at base white, the anal tuft with white hair mixed, the ventral surface white. Fore wing silvery white; a subbasal black point below costa; the antemedial area with some black scales at costa, on vein 1, and above inner margin; an oblique antemedial black band with irregularly sinuous edges; a medial black point on costa, followed by a short bar, then a point; a rather elongate postmedial black mark on costa, followed by two points, and a triangular mark on inner margin just before tornus; cilia with a series of black spots. Hind wing white, with a series of small black spots on cilia and a small triangular spot on termen at vein 1; the underside with black discoidal spot.

♀. Abdomen dorsally irrorated with white; fore wing with the medial bar on costa more prominent, the postmedial patch more elongate, slight black marks above and below vein 5 and some black scales above the triangular patch.

*Hab.* MASHONALAND, Salisbury (*Marshall*), 3 ♂, 6 ♀ type. *Exp.*, ♂ 50, ♀ 58-70 mm.



*Larva.* Black-brown banded with white, the paired anal appendages long and thorny.

Allied to *C. spiritalis*, Dist.

*Cerura leonensis*, sp. n.

♀. Head and tegulæ white tinged with ochreous; palpi and sides of frons black; antennæ with the branches black, the shaft irrorated with black at middle; a black point on vertex of head; thorax white, with blue-black band behind tegulæ, the dorsum blue-black, followed by a bar on mesothorax and paired bars on metathorax, the patagia with paired blue-black spots; pectus black in front, the tibiæ with black spots and the tarsi black except at base; abdomen white sparsely irrorated with blue-black, more thickly at extremity, the second segment with dorsal black band, the ventral surface white, with the extremity black slightly irrorated with white. Fore wing silvery white; subbasal line represented by a small black spot on costa, then by an irregularly sinuous line of black scales; an antemedial oblique band formed of black spots irrorated with white, the spots above and below vein 1 confluent; three rather wedge-shaped black spots on medial part of costa, the medial line arising from the middle spot, forming a slight curved striga on discocellulars, represented by a few scales on vein 2 and a slight line from submedian fold bent outwards to inner margin; an oblique black bar beyond the discocellulars; an elongate postmedial black mark on costa; the double postmedial line arising beyond upper angle of cell, a slight line of scales on its inner side connected with the discoidal striga at lower angle of cell and enclosing the bar beyond the cell except above, the outer postmedial line almost obsolete beyond the cell, then the double line angled outwards at veins 3, 2, and 1 and inwards below vein 2; a small black spot on costa before the black subterminal line, which is incurved below veins 6 and 3, angled outwards at veins 3, 2, and inwards below vein 2; a series of black spots on termen and cilia, two spots forming a pair above tornus. Hind wing white; a black spot above middle of inner margin; the veins towards termen slightly streaked with black and the apex irrorated with black; cilia almost wholly black towards apex, then with series of black spots, the spot at vein 1 extending onto termen. Underside white, both wings with black discoidal spot and broad terminal band, narrowing to termen above tornus of hind wing; fore wing with black spots on



costa and white postmedial band defined on inner side by black suffusion except on inner area.

*Hab.* SIERRA LEONE, 1 ♀ type. *Exp.* 66 mm.

Allied to *C. liturata*, Wlk., from India.

*Cerura argentescens*, sp. n.

♂. Head and thorax white mixed with black; pectus and lower part of frons black; antennæ with the branches black; pectus black-brown; legs white mixed with black-brown, the tarsi ringed with brown; abdomen with the basal half white, with some black hair at base, the terminal half black-brown, the ventral surface white. Fore wing silvery white slightly irrorated with blackish; subbasal line double, waved, angled inwards in submedian fold, the area between it and antemedial line suffused with black from costa to median nervure and thickly irrorated with black on inner area; antemedial line double, angled outwards in submedian fold and bent outwards to inner margin; medial line indistinct, double, waved, enclosing a tuft of black scales on discocellulars; postmedial line double, bent outwards below costa, incurved at discal and submedian folds, some small black spots beyond it on costa, and some black suffusion from costa to vein 4 and from vein 2 to tornus; a terminal series of strong black striæ. Hind wing silvery white, the veins tinged with fuscous; a rather diffused oblique fuscous postmedial line; a terminal series of small black spots. Underside of fore wing fuscous brown; hind wing with medial fuscous bar from costa, the postmedial line distinct and excurved below costa.

*Hab.* NATAL (*Iidgedon*), 1 ♂ type. *Exp.* 40 mm.

Allied to *C. liturata*, Wlk.

*Cerura esmeralda*, sp. n.

♂. Head, thorax, and abdomen pale blue-green, the hair on vertex of head whitish; palpi and sides of frons black; a black spot on vertex of head; branches of antennæ black-brown; a black band behind tegulæ, the patagia with black annuli, the meso- and metathorax with paired black spots; tibiæ and tarsi banded with black. Fore wing pale blue-green; a short black streak below base of cell; a subbasal black striga from costa; antemedial line black defined on inner side by silvery white, forming an annulus at costa and produced to a slight black streak below the annulus, ex-



curved and rather bidentate in submedian interspace, angled inwards on vein 1; a black-defined triangle on middle of costa and black line defined on outer side by silvery white from lower angle of cell to inner margin, oblique and sinuous to vein 1, then bent inwards, the silvery white running obliquely from lower angle of cell to the costa beyond the antemedial black annulus; two black bars with white between them, followed by a point on postmedial part of costa; postmedial line black defined on inner side by silvery white, arising at vein 8, angled inwards at discal fold, outwards at veins 4, 3, 2, inwards just below vein 2, where there is a black fascia from just beyond it to tips of cilia just above tornus, then excurved at vein 1; an irregular wedge-shaped subterminal mark from costa to vein 7 enclosing a green point on costa; the cilia intersected by black streaks in the interspaces, those above and below vein 6 conjoined into a hoop emitting a minute black streak on vein 6. Hind wing glossy greenish white, with an oblique subterminal black striga in submedian interspace and small conical spot on termen; the underside with black discoidal spot and small postmedial spot on costa.

♀. Pale sap-green; abdomen dorsally banded with black except at base and extremity; fore wing with the medial area, except towards costa and the area just beyond the postmedial line, clouded with deeper sap-green.

*Hab.* MASHONALAND, Salisbury (*Marshall, Dobbie*), 2 ♀; TRANSVAAL, Leydenburg Distr. (*Ayres*), 1 ♂, 1 ♀, Pretoria (*Crawshay*), 1 ♂ type, Johannesburg (*Cooke*), 1 ♀. *Exp.*, ♂ 40, ♀ 48–52 mm.

*Chadisra uncifera*, sp. n.

Antennæ of male bipectinate with long branches, the apex ciliated.

♂. Head, thorax, and abdomen ochreous suffused with rufous; palpi blackish above. Fore wing ochreous suffused with red-brown and slightly irrorated with black; slight sub-basal black spots below costa and cell; double antemedial black striæ from costa, a slight streak below costa, a hook-shaped mark defined by black from discal to submedian folds, with a very oblique black streak from its lower edge to inner margin near base; postmedial line very indistinct, double, produced to long acute teeth on the veins, oblique below vein 4, slight dark streaks beyond it above veins 6, 5, 4; subterminal line represented by short blackish streaks on



faint pale streaks in the interspaces from costa to vein 4, a V-shaped mark below vein 4, and an obliquely curved band defined on outer side by yellowish from vein 3 to inner margin; a terminal series of blackish striæ; cilia chequered rufous and blackish. Hind wing ochreous suffused with rufous; a black bar above tornus with slight striga above it; cilia chequered rufous and black.

*Hab.* NATAL, 1 ♂ type. *Exp.* 40 mm.

*Chadisra nubifera*, sp. n.

Antennæ of male bipectinate with long branches, of female with short branches.

♂. Head and thorax grey mixed with brown and some black; palpi black above; tarsi brown ringed with whitish; abdomen pale fulvous yellow slightly irrorated with brown and with whitish segmental lines towards extremity, the ventral surface white irrorated with brown. Fore wing grey-white thickly irrorated with brown, the basal area whiter, the veins with slight blackish streaks; a slight black streak below base of cell and subbasal points below costa and above and below vein 1; antemedial line indistinctly double, filled in with white, excurved and waved, some fuscous suffusion before it and slight oblique black streaks below vein 1 and above inner margin; traces of a diffused medial brown shade; postmedial line defined on outer side by whitish, then by fuscous, minutely dentate and produced to black and white streaks on the veins, excurved to vein 4, then incurved, some blackish striæ beyond it from costa; subterminal line represented by a series of small blackish spots on somewhat dentate whitish patches and a bar from below vein 2 to inner margin, somewhat incurved below vein 4; a terminal series of black striæ. Hind wing pure white, with subterminal black bar above tornus with a black mark before it on inner margin; a terminal series of black striæ; cilia blackish towards tornus; the underside with the costal area slightly irrorated with brown.

♀. Fore wing with subbasal band of dark suffusion and more dark suffusion before the antemedial line; hind wing with the terminal area slightly tinged with brown.

*Hab.* BR. E. AFRICA, Taveta (*Rogers*), 1 ♂, 1 ♀ type. *Exp.*, ♂ 32, ♀ 34 mm.



*Chadisra rosinaria*, sp. n.

Antennæ of male bipectinate with long branches, short towards apex.

♂. Head and thorax rufous mixed with grey and some black; palpi with the second joint black above; tegulæ with white band before dorsal part of tips, which are black; patagia grey at shoulders, rufous above; a white band before metathorax, which is mostly black; fore tibiæ with black ring; abdomen ochreous white tinged with brown, a hairy blackish crest at base, the ventral surface white. Fore wing rufous mixed with some grey-white, the area before subterminal line whiter; subbasal line blackish, incurved in cell and ending at vein 1, the area before it whitish; antemedial line black, indistinctly double, especially on inner half, somewhat dentate towards costa, then straight and erect; postmedial line blackish, faintly defined on outer side by white and on both sides at costa and inner margin, slightly angled outwards below costa and at vein 4, then incurved and slightly angled outwards at vein 1, some whitish points with fuscous striæ between them beyond it on costa; subterminal line formed of faint whitish spots defined by some black scales and a more distinct black spot below vein 3; cilia intersected by fuscous at the veins. Hind wing silky white, the hair on inner area tinged with ochreous; a rufous patch on termen and cilia in submedian interspace defined on inner side by a double blackish bar filled in with white; the underside with the costa tinged with yellow and with slight rufous marks beyond middle and towards apex.

*Hab.* NATAL, Durban (*Leigh*), 1 ♂ type. *Exp.* 42 mm.

*Chadisra ochribasis*, sp. n.

♂. Head and thorax rufous mixed with ochreous, the patagia mostly white; legs whitish streaked with brown, the tarsi ringed with brown; abdomen white, with some reddish brown and ochreous at base and extremity. Fore wing with the basal half ochreous mixed with rufous, bounded by an oblique sinuous rufous line, the subbasal line represented by a small dentate brown mark below costa, the antemedial by a small spot on costa; an elongate brown mark below the cell near base; the rest of wing brown suffused and irrorated with grey and with a broad band of white suffusion beyond the medial line; postmedial line represented by a brown striga from costa, then by points on the veins, bent outwards below costa, then oblique, the costa beyond it with



white points with dark streaks between them ; faint traces of a whitish subterminal line with slight brown streaks before it above veins 6, 5, 4, and a pair of small dentate marks in submedian interspace ; the veins of terminal area with dark streaks and white points at their extremities. Hind wing pure white, the veins of terminal half streaked with brown, the terminal area suffused with red-brown, narrowing to tornus ; cilia with series of white points and white tips, wholly white towards tornus. Underside of fore wing with the basal half white, the terminal half pale red-brown with white points on costa ; hind wing white, the veins streaked with red-brown towards termen, which is suffused with red-brown from apex to vein 2.

*Hab.* BR. E. AFRICA, Laitokitok (*Rogers*), 3 ♂ type. *Exp.* 62 mm.

*Chadisra semiflava*, sp. n.

Antennæ of male bipectinate with moderate branches, the apical third ciliated.

♂. Head and thorax pale yellow with a few rufous scales, the metathorax with rufous spot ; palpi brown above ; antennæ rufous ; abdomen rufous, the ventral surface yellowish white. Fore wing with the basal half pale yellow faintly clouded in parts with rufous, the terminal half rufous mixed with greyish ; two slight black points below costa near base and traces of a black streak below the cell, with traces of another minute black streak below it at middle ; a minute antemedial black streak below costa and another below middle of costa and two in cell ; medial line black defined on inner side by rufous, slightly angled outwards below costa, oblique and sinuous to below angle of cell, then inwardly oblique and excurved at vein 1 ; postmedial line indistinctly double, oblique to vein 6, then dentate and rather inwardly oblique, joined at vein 3 by another slightly waved brown line from costa well before it, some rufous and greyish marks beyond it on costa, a minute wedge-shaped black mark below costa and slight rufous streak on vein 8 ; subterminal line greyish defined on outer side by brown, waved ; a fine dark terminal line. Hind wing silky white ; a brown patch on termen and cilia from vein 2 to below vein 1, with a whitish striga on it angled outwards at vein 1 ; the underside with the costal area yellowish, with minute postmedial rufous points on and below costa.

*Hab.* NATAL, Durban (*Leigh*), 1 ♂ type. *Exp.* 46 mm.

Allied to *C. curvilinea*, Swinh.



*Chadisra persimilis*, sp. n.

Antennæ of male minutely serrate and fasciculate.

♂. Head and thorax pale yellow slightly mixed with brown, especially on tegulæ; palpi black except at base; antennæ brown with a blackish patch between them; fore femora and tibiæ streaked with black on inner side, the tibiæ with oblique streaks, the tarsi ringed with brown; abdomen pale yellow dorsally suffused with brown, the basal crest with some black mixed. Fore wing with the basal half pale yellow slightly irrorated and in parts clouded with brown, extending on costa to middle and on inner area to subterminal line, the rest of wing brown broadly suffused with grey-white on costal area; traces of a black streak below base of cell, with faint annulate mark of brown and black scales below it at middle; some slight brown suffusion below costa near base and before middle; minute antemedial black streaks below costa and in cell; medial line blackish defined on inner side by brown suffusion, oblique and sinuous from costa to below angle of cell, then inwardly oblique and angled outwards at vein 1; postmedial line black, slightly defined on outer side by whitish towards costa, dentate, slightly angled outwards at vein 6 and oblique below vein 3, where it is joined by a faint waved line from well before it; subterminal line very indistinct, whitish defined on inner side by brown, waved, incurved at discal fold and in submedian fold to near postmedial line; a series of slight dark striæ just before termen; cilia chequered with whitish at tips. Hind wing white, the hair on inner area tinged with ochreous; a brown patch on termen and cilia from vein 2 to below vein 1, with a white and blackish bar on its inner edge; cilia pale rufous, white at tips; the underside with the costal area tinged with yellow and slightly irrorated with rufous.

*Hab.* NATAL, Durban (*Leigh*), 1 ♂ type. *Exp.* 34 mm.

Almost identical in appearance with *C. semiflava*.

*Somera poliostrata*, sp. n.

Palpi with the third joint long and porrect.

♂. Head and thorax dark reddish brown mixed with some grey; tarsi with pale rings; abdomen red-brown, the ventral surface whitish. Fore wing red-brown mixed with grey, glossy, the veins darker brown; traces of a waved dark antemedial line; postmedial line indistinct, dark, bent outwards below costa, then oblique and somewhat dentate; a



faint lunulate whitish subterminal line; a fine dark terminal line. Hind wing silky white tinged with red-brown; a fine dark terminal line; cilia brown at base, whitish at tips.

*Hab.* CAPE COLONY, Namaqualand, O'okiep, 1 ♂ type. *Exp.* 46 mm.

[To be continued.]

### BIBLIOGRAPHICAL NOTICE.

*Yorkshire Type Ammonites.* Edited by S. S. BUCKMAN, F.G.S.; with Photographs by J. W. TUTCHER. Part I. pp. i-xii, i-ii; 12 Plates and Descriptions Nos. 1-8. London: William Wesley & Son, 1909.

ALL who concern themselves with the evidences of Evolution are of necessity interested in the Ammonites, and, as a consequence, treatises on this group are always welcome.

Scattered up and down the country, either in Museums or in private Collections, valuable material bearing on this study has accumulated, yet, owing to their relative inaccessibility, much of their usefulness is lost. Mr. S. S. Buckman, who has devoted laborious days to the study of this group, realizing this, is endeavouring to effect a remedy by describing in minute detail at least one of these collections, whereby, doubtless, much new and valuable evidence bearing on the general problem of the evolution of the Ammonites will be brought to light. He has, in short, begun the task—a by no means easy one—of cataloguing the Yorkshire type Ammonites of the Jurassic; a large and valuable series.

The first-fruits of his labours are given in the part now before us. The work is to appear in about 16 parts, each containing from 12 to 16 plates of the specimens more or less imperfectly described and figured by those pioneers in this field of study, Young and Bird, John Phillips and Martin Simpson. The works of the two first named are not easily procurable; those of Simpson are still more difficult to obtain, a fact the more to be regretted since they contain sterling work and matter of prime importance, though this fact is not generally realized.

Mr. Buckman has undertaken the task of editing these early contributions, supplementing the original descriptions by very beautiful photographs of the specimens described—and most of these figures appear now for the first time—and by concise editorial comments.

The section on Terminology will no doubt be gratefully received; nevertheless it bears a most forbidding aspect, and we confess we cannot see the value of a large percentage of the terms here set forth. They certainly do nothing towards elucidating the study, and if they fail in this they are indeed useless. But in this perhaps the author, and others, will not agree. Be this as it may, the work when completed will prove of the highest value to all students of the group.





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