

XL.—*New Species of Heterocera from Costa Rica*.—VII.

By W. SCHAUS, F.Z.S.

## Arctiadæ.

Subfamily *NOLINÆ*.*Celama carilla*, sp. n.

Palpi white, fringed in front with light brown. Body white, the abdomen faintly tinged with grey; a small dorsal patch of yellowish scales at base. Fore wings white; a small dark brown spot at base of median and some diffuse light brown basal scales; raised tufts in cell light brown; lines light brown, irrorated with a few dark scales; antemedial slightly curved, more heavily darkly scaled above submedian; medial slightly curved; postmedial outcurved beyond cell, punctiform on veins 2-6; subterminal inset below vein 3; an indistinct marginal line. Hind wings white, tinged with grey, more darkly on outer margin.

Expanse 13 mm.

*Hab.* Carillo.*Ræselia pernitens*, sp. n.

♂. Palpi brown. Head, collar, and thorax white. Abdomen light brown, banded with white. Fore wings silvery white; an antemedial spot on costa brown, irrorated with fuscous scales; a medial triangular spot on costa grey-brown, edged inwardly by a black line; smaller spots on costa to apex; outer margin broadly shaded with brown from vein 6 to tornus, and irrorated with fuscous and silvery scales. Hind wings white, the veins and outer margin tinged with grey.

Expanse 14 mm.

*Hab.* Guapiles.*Ræselia placens*, sp. n.

♂. Palpi light brown. Head white; a dark brown line across frons. Collar and shoulders buff, edged with brown. Thorax lilacine white. Abdomen light brown; some white at base. Fore wings lilacine white; costal margin and cell anteriorly light brown, suffusing with a large light brown space at end of cell, irrorated with dark brown, and with two dark brown lines on costa above it; costa terminally grey; a postmedial grey-brown shade, suffusing with brown space



at end of cell ; a broad subterminal grey shade, slightly inset at vein 5 and at vein 2 ; the outer margin thickly irrorated with light brown. Hind wings grey-brown ; an indistinct dark shade on discocellular.

Expanse 17 mm.

*Hab.* Tuis.

*Ræselia unilinea*, sp. n.

♂. Palpi brown, tipped with white. Body white, the abdomen tinged with brown. Fore wings white ; a brown and fuscous spot on costa near base ; a medial brown spot on costa, from which a well-marked brown line extends to inner margin, being somewhat oblique and inbent at submedian fold ; some faint brown shades on costa towards apex and along outer margin. Hind wings white, faintly tinged with light brown on outer margin.

Expanse 15 mm.

*Hab.* Carillo.

*Ræselia sabulosa*, sp. n.

♂. Palpi, head, collar, and thorax whitish, thinly irrorated with brown. Abdomen whitish buff. Fore wings buff-brown, irrorated with olive-brown and fuscous scales ; a geminate fuscous line on costa near base ; a broad medial darker shade across costa and cell, edged with fuscous points ; a geminate postmedial row of fuscous points on veins, inwardly oblique to submedian fold, then straight ; a subterminal row of brown streaks on veins ; terminal dark clusters of scales on veins. Hind wings dirty white ; a dark grey terminal line and a similar spot on discocellular.

Expanse 25 mm.

*Hab.* Poas, Juan Vinas.

*Ræselia decepta*, sp. n.

♂. Palpi white, shaded with brown at base. Head and thorax white. Abdomen greyish. Fore wings white ; basal, antemedial, and medial dark grey shades on costa, the last larger and suffusing with fuscous line on discocellular ; a faint antemedial line, inwardly oblique from costa ; some medial streaks and irrorations below cell ; the postmedial outcurved around cell, fine, punctiform, geminate on inner margin ; a subterminal irregular greyish shade, outwardly oblique from costa, suffusing with terminal greyish shades at tornus ; cilia very long, grey. Hind wings whitish grey. Underneath,



the costal margin of hind wings is coarsely irrorated with fuscous grey.

Expanse 11 mm.

*Hab.* Guapiles.

Subfamily *LITHOSIANÆ*.

*Macroptila monstralis*, sp. n.

♂. Frons brown. Vertex, collar, and thorax grey. Abdomen whitish. Legs whitish, the fore tibia above with ridge of long ochreous hairs. Fore wings light grey, becoming dark grey on inner margin, costal margin and veins above 3 white; the extreme costa finely ochreous. Hind wings: the inner area broadly white; the costal portion above median light brown; the outer margin from vein 2 to apex shaded with dark grey; a small spot of androconia in cell at base.

Expanse 30 mm.

*Hab.* Sixola.

Fore wings with veins 3 and 4 on rather long stalk; 6 from near upper angle of cell; 7-9 stalked; 10 free. Hind wings with 3 and 4 from lower angle; 5 absent or on long stalk with 4; 6 and 7 from upper angle apart; costal margin straight and with a projecting lobe before apex.

*Macroptila nubecula*, sp. n.

♂. Head, collar, and thorax lilacine grey, the frons paler. Abdomen buff-white. Fore wings: costal margin, cell, and from vein 3 to apex silvery white, faintly tinged with buff; below cell lilacine buff, shading to lilacine grey above and below submedian. Hind wings faintly tinged with buff and shaded with grey at apex; the cell filled with a large patch of dark brown androconia, partly covered by an upturned ridge of long hairs on median vein. Underneath whitish, the costal margins yellowish buff.

Expanse 32 mm.

*Hab.* Sixola, Tuis, Esperanza.

This species will fall into a new section. Fore wing with cell narrow, the median arched; vein 6 from well below angle of cell; 7-9 stalked; 10 free. Hind wing with a large patch of androconia in cell; veins 3-5 stalked; veins 6 and 7 stalked, downturned; the costal margin concave before apex.

*APTILOSIA*, gen. nov.

Proboscis fully developed. Antennæ of male with short



bristles and minute cilia. Abdomen covered with rough hair. Fore wings broad; vein 2 from beyond middle; 3 from before angle; 4 and 5 from a point; 6 from near upper angle; 7-10 stalked; 11 anastomosing with 12. Hind wings broad; the costal margin arched and oblique on outer half; apex rounded; outer margin nearly straight to anal angle; a large patch of androconia in cell; vein 2 from beyond middle of cell; 3 from before angle; 4 from angle; 5 from above angle; 6 and 7 coincident.

*Aptilosia crocea*, sp. n.

♂. Head and thorax lilacine grey. Abdomen pale yellowish. Fore wings yellowish white; the inner margin broadly lilacine grey, narrowing at tornus. Hind wings pale yellowish, with a ridge of long yellow hairs along median.

Expanse 29 mm.

*Hab.* Juan Vinas, Tuis, Guapiles.

*Agylla erigone*, sp. n.

♂. Head and thorax dark grey. Abdomen light grey; buff hairs on anal segment. Fore wings silvery white, pale grey below cell and vein 2, shading to dark grey along inner margin; the costa finely ochreous. Hind wings white. Fore wings underneath grey, shaded with pale buff along costal margin, at end of cell, and slightly below cell. Hind wings underneath white, shaded with grey from apex to vein 5.

Expanse 40 mm.

♀. Fore wings white, the inner margin broadly dark grey. Fore wings underneath grey; the costal margin except at base white; a whitish shade at end of cell, extending beyond it, and the postmedial space between veins 2-6 shaded with white. Hind wings below white, with a faint trace of grey at apex.

Expanse 44 mm.

*Hab.* Juan Vinas, Volcano Turrialba, 5800 ft.

Allied to *A. hampsoni*, Dogn.

*Agylla asra*, sp. n.

♂. Head and thorax dark grey, abdomen lighter grey. Fore wings grey, darkest along inner margin; veins except submedian broadly white; a dark grey terminal line; the cilia divided by a dark grey line. Hind wings white at base and along inner margin, otherwise grey; a black spot on



costa near base. Underneath dark grey; the outer half of costa of fore wings shaded with buff; the basal and inner area of hind wings white.

Expanse 20 mm.

*Hab.* Sixola.

Near *A. hampsoni*, Dogn.

*Agylla subcinerea*, sp. n.

♂. Head, collar, and thorax brownish grey; some whitish hairs on basal joint of antennæ. Abdomen dark grey above, with lighter grey hairs at base and on terminal segment. Fore wings white; the basal third of costa finely dark grey, the outer two-thirds finely creamy buff; the inner margin below fold dark grey. Hind wings: the base and inner margin white, otherwise grey; the cilia white. Underneath dark grey; the inner area of hind wings white; the costal margin of fore wings as above.

Expanse 27 mm.

♀. Similar to male, but with costa of fore wings white; the hind wings only tinged with grey at apex. Underneath paler grey, the white on hind wings more extended.

Expanse 28 mm.

*Hab.* Tuis, Juan Vinas, Los Bajos.

Near *A. sanctæ johannis*, Schs.

*Agylla albivenis*, sp. n.

♂. Palpi dark brown, fringed with whitish. Frons pale buff. Vertex, collar, and thorax dark grey-brown. Abdomen grey above, the lateral tufts and underneath whitish buff. Legs white; fore and hind tibiæ streaked with dark grey; fore tibia black, with white rings. Fore wings: the costa with light brown downturned scales, not reaching base; the cell and veins except submedian white; intervenal spaces light grey, darker between 2 and 4 and at end of cell; the inner margin fuscous grey. Hind wings white; fuscous shadings on costal and outer margin. Underneath, the fore wings fuscous grey, becoming paler on outer margin; the hind wings white, tinged with buff on costa.

Expanse 26 mm.

♀. Frons white. Fore wings white, tinged with grey between 2 and 3 near cell; the inner margin dark fuscous grey. Hind wings white; a few fuscous scales at apex.

Expanse 28 mm.

*Hab.* Juan Vinas, Tuis.

Section near *A. barbicosta*, H.



*Agylla pcasia*, sp. n.

♂. Head, collar, and thorax smoky grey; patagia tipped with white. Abdomen darker grey, with light grey hairs at base; terminal segment light brown. Fore wings silvery white; the inner margin smoky grey. Hind wings white, tinged with yellow. Underneath: fore wings fuscous grey; a white streak below subcostal; the inner margin white. Hind wings white.

Expanse 35 mm.

♀. Differs from the male in having the hind wings clearer white; the fore wings underneath whitish grey.

Expanse 36 mm.

*Hab.* Poas.

Near *A. sericea*, Druce.

*Agylla abrosa*, sp. n.

♂. Frons dark brown. Vertex, collar, thorax, and abdomen above light greyish brown; abdomen laterally and underneath white. Fore wings silky white; the inner margin narrowly light greyish brown. Hind wings white, rather broad, the outer margin truncate from apex to vein 3, then rounded. Fore wings underneath thickly irrorated with brown, the base of costa darker; the inner margin below submedian whitish buff. Hind wings below with the costa faintly tinged with brown.

Expanse 33 mm.

*Hab.* Volcano Turrialba, 5800 ft.

*Agylla submacula*, sp. n.

♂. Head, collar, and thorax dark grey; patagia outwardly and tipped with white. Abdomen above light grey. Fore wings silvery white; the inner margin below fold brownish grey. Hind wings white, shaded with grey at anal angle. Fore wings below white; the inner margin grey; a large postmedial greyish-brown patch from vein 2-11; the outer margin tinged with grey-brown.

Expanse 37 mm.

*Hab.* Cartago, Juan Vinas, Volcano Turrialba.

Belongs to section near *A. involuta*, Hmps.

*Agylla exscissa*, sp. n.

Head, collar, and thorax smoky grey, the frons buff. Abdomen buff-grey. Fore wings narrow terminally, the



inner margin deeply lobed on basal two-thirds to vein 2, then straight to tornus at vein 3, silvery white; the lobe on inner margin brown-grey; the costa finely ochreous. Hind wings broad, the outer margin rounded, silvery white; a large yellow patch of androconia at base in cell, covered by lobe of fore wings; some buff shadings below and beyond cell to near apex; a postmedial brown-grey shade above vein 2; the inner margin dull white. Fore wings below white; a fuscous streak on base of costa; a streak of cinnamon-brown androconia below cell; the medial space roughly scaled, yellow; the outer margin suffused with light brownish grey. Hind wings below black-brown; some ochreous shadings at base; the inner margin white; the outer margin above vein 3 shaded with white.

Expanse 35 mm.

*Hab.* Juan Vinas, Sixola.

Belongs to a new section near *A. argentea*, Wlk.

*Balbura fasciata*, sp. n.

Body black; the patagia roseate. Fore wings light buff-brown; the submedian fold, costa, and inner margin finely black; some roseate at base, limited by a black shade; a fuscous streak on costal margin and one in cell suffusing at end of cell with a broad, transverse, medial, fuscous shade, which extends from costal to inner margins; long terminal black intervenal streaks between veins 3-7, the streak between 5 and 6 extending from cell; cilia black. Hind wings dark brown. Underneath dark brown.

Expanse 34 mm.

*Hab.* Guapiles, Sixola.

Differs from typical *Balbura* in having, on hind wings, veins 4 and 5 from lower angle, and 6 and 7 from upper angle of cell.

*Balbura intervenata*, sp. n.

♂. Head, collar, and abdomen black. Thorax red; the patagia fringed with black outwardly. Fore wings fuscous brown; the inner margin broadly black; terminal black streaks between the veins, the streak between 5 and 6 from within cell. Hind wings black; the cell, below and beyond it semihyaline.

Expanse 27 mm.

*Hab.* Sixola.

In this species veins 4 and 5 on hind wings are from lower angle of cell.



## DOLICHESIA, gen. nov.

Proboscis well developed. Palpi porrect, reaching beyond frons; female antennæ flattened, laminate. Hind tibia with the medial spur absent. Fore wing long and narrow, the costa arched and falcate; vein 2 from middle of cell; 3 from well before angle; 5 from a little above 4; 6 from upper angle; 7, 8, 9 stalked; 7 from beyond 9; 10 free; 11 anastomosing with 12. Hind wings: vein 5 absent; 6 and 7 coincident.

Near *Eudolie*, Mösch.

*Dolichesia falsimonia*, sp. n.

Head and thorax grey-brown. Abdomen roseate. Thorax below white; legs grey-brown. Fore wings grey-brown; a pale greyish medial shade from costa incurved to inner margin near base, followed by a dark brown oblique streak from cell to inner margin; a similar postmedial oblique streak from vein 4 to inner margin; a light reddish-brown terminal line from costa before apex to vein 4; terminal black spots from below apex to tornus, where they suffuse and extend on to cilia; cilia white except at apex, where they are black. Hind wings roseate; the outer margin broadly black, narrowing at anal angle. Fore wings below fuscous; the inner margin grey; some roseate postmedially at submedian. Hind wings underneath as above, with the costa narrowly black.

Expanse 16 mm.

*Hab.* Sixola.

*Cloësia digna*, sp. n.

Body and fore wings above dark metallic blue. Hind wings fuscous brown, thinly scaled; dark metallic blue streaks on inner margin, along vein 2, and on outer margin below apex.

Expanse 28 mm.

*Hab.* Sixola.

Allied to *C. parthia*, Druce.

*Thyone grisescens*, sp. n.

Body and wings violaceous grey, the hind wings and abdomen slightly darker than the thorax and fore wings.

Expanse 22 mm.

*Hab.* Juan Vinas, Tuis, Guapiles.

Allied to *T. muricolor*, Schs.



*Afrida parvula*, sp. n.

Head, collar, and thorax lilacine buff, the vertex tinged with light brown. Abdomen buff-brown. Fore wings greyish buff; a broad curved antemedial black shade, not reaching inner margin; a broad dark grey medial shade, edged by black lines, tinged with brown, and crossed by a fine black line, the outer edge incurved, and followed by a black point on discocellular; some marginal light brown shadings and terminal dark points. Hind wings suffused with fuscous, darkest terminally; a dark discal point.

Expanse 14 mm.

*Hab.* Tuis, Juan Vinas.

*Chrysochlorosia magnifica*, sp. n.

♂. Body dark metallic bluish green. Fore wings dark green; the outer margin and cilia deep blue or black according to the light. Hind wings black; the cilia dark metallic green. Underneath, the wings are dark bluish green, somewhat metallic.

Expanse 22 mm.

*Hab.* Sixola.

Near *C. splendida*, Druce.

*Odozana sixola*, sp. n.

♂. Head and collar black. Thorax and abdomen above crimson; abdomen ventrally black. Fore wings blackish brown, with fine slightly iridescent striæ. Hind wings black, the inner margin from within cell to near angle crimson. Underneath dull dark brown; the inner margin of fore wings with light brown hairs; the crimson patch on hind wings as above.

Expanse 18 mm.

*Hab.* Banana River, Sixola.

Allied to *O. methæmata*, Hmps.

*Odozana inconspicua*, sp. n.

♀. Head, collar, and wings dark brown; the fore wings with iridescent striæ. Thorax and basal tufts on abdomen crimson; abdomen otherwise black.

Expanse 17 mm.

*Hab.* Sixola.



*Odozana decepta*, sp. n.

♂. Head and collar blue-black. Thorax and fore wings dark brown, with iridescent striæ. Abdomen brown at base, otherwise crimson above, black ventrally. Hind wings dull dark brown.

Expanse 19 mm.

*Hab.* Sixola.

*Metalobosia ducalis*, sp. n.

♂. Head, collar, thorax, and fore wings dark metallic green. Abdomen crimson; brown hairs at base; terminal segment black; lateral whitish tufts. Thorax below and legs metallic blue-black; hind tibia with long crimson tufts. Hind wings crimson; the apex black, narrowing towards vein 3.

Expanse 18 mm.

*Hab.* Juan Vinas.

Belongs to new section: the inner margin of fore wings evenly curved; the hind wings broad, truncate towards anal angle, which is slightly produced; a broad fold on inner margin, containing a tuft of yellow scales at anal angle.

*Nodozana picturata*, sp. n.

Head and thorax white. Abdomen pale yellowish. Fore wings: the base, basal half of costal margin, and apex white, otherwise pale yellow; a faint antemedial curved orange line; a large orange spot medially from cell to inner margin; a postmedial fine orange line from costa to vein 5; a subterminal orange line touching outer margin at vein 4, then inbent, followed by an oblique greyish shade from costa to vein 3; cilia grey. Hind wings pale yellowish. Underneath a broad grey shade along costal margin of fore wings, curving before apex.

Expanse 13 mm.

*Hab.* Sixola.

Near *N. pyrophora*, Hmps.

*Lycomorphodes correbioides*, sp. n.

♂. Head ochreous, some fuscous on frons; collar and thorax ochreous, crossed by a black line outwardly. Abdomen fuscous; anal tufts ochreous. Fore wings ochreous; a broad medial fuscous shade, except on median vein and submedian fold; the termen broadly fuscous above vein 3, more



narrowly so below 3. Hind wings fuscous; the costal margin ochreous, not reaching apex.

Expanse 16 mm.

♀. Differs in having the black markings more reduced.

Expanse 18 mm.

*Hab.* Sixola, Tuis.

Veins 3-5 on fore wings stalked; fore tibia of male without tuft of hair.

*Talara cara*, sp. n.

Head ochreous; collar and thorax reddish ochreous. Abdomen black; some reddish-ochreous hairs at base dorsally. Fore wings ochreous, tinged with red except on costal margin; the outer margin broadly black from apex to submedian. Hind wings black, the base shaded with roseate. Underneath the black more extended, leaving a reddish space on less than basal half of wings, which is, however, somewhat produced on costal margin of fore wings; the inner margin of fore wings yellowish.

Expanse 16 mm.

*Hab.* Sixola.

*Talara lepida*, sp. n.

♂. Head, collar, thorax, and fore wings grey, finely irrorated with darker scales. Abdomen crimson above; underneath black, banded with roseate. Hind wings crimson; the apex broadly black, narrowing to before anal angle.

Expanse 13 mm.

*Hab.* Sixola.

*Talara esperanza*, sp. n.

Head, thorax, and anal hairs reddish. Abdomen pale roseate buff. Legs red, tarsi ringed with black. Fore wings yellowish; the veins and submedian fold broadly reddish; a fine black medial line, outcurved through cell, inwardly angled at fold and outwardly at submedian vein, preceded by black irrorations in cell and antemedially above and below submedian fold; the postmedial black line outcurved, inwardly angled on fold, followed by black irrorations; cilia luteous. Hind wings roseate; cilia luteous.

Expanse 12 mm.

*Hab.* Esperanza, Tuis, Sixola, Guapiles.

Near *T. ditis*, Butl.



*Talara rubida*, sp. n.

Head, collar, thorax, base of abdomen, and fore wings red; abdomen otherwise and hind wing black; some red at base of hind wings. Legs black; tarsi roseate white at base. Wings underneath: fore wings roseate, with a large fuscous patch on outer half, not extending above vein 8 nor quite reaching inner margin; hind wings roseate at base, otherwise black.

Expanse 17 mm.

*Hab.* Juan Vinas, Tuis.

Near *T. coccinea*, Butl.

*Paratalara commixta*, sp. n.

♂. Head and collar white. Abdomen above brown, underneath and anal hairs whitish buff. Fore wings: basal third whitish buff; an antemedial dark grey spot in cell and a larger similar spot on inner margin, the two connected by greyish irrorations; a grey streak on costa above cell-spot; medial space buff-brown below subcostal, greyish above it, limited outwardly by a dark brown line, angled and incurved below vein 4; a fine dark brown line above vein 2, and another below vein 3; a cluster of dark scales at end of cell and just beyond it; outer space white; a large cluster of brown scales between 2 and 3 and a smaller cluster between 4 and 6. Hind wings white; a small spot of black androconia in end of cell, edged with grey; the inner margin tinged with buff; some buff scales on outer margin. Fore wings below with a patch of coarse scales at and above end of cell anteriorly.

Expanse 16 mm.

*Hab.* La Florida.

*Clemensia mucida*, sp. n.

♂. Palpi brown. Body dark grey. Fore wings greyish white, thinly irrorated with brown along margins; a fuscous brown basal line not reaching inner margin; a heavier antemedial line, faintly curved, interrupted above and below submedian; a broad postmedial brown shade outwardly shaded with fuscous brown, rather broadly from vein 2 to inner margin, and containing a black oblique streak on discocellular; a subterminal brown shade on costa and between 4 and 6; terminal brown points extending on cilia. Hind wings grey. Underneath grey, with indistinct discoidal spots.



Expanse 15 mm.

*Hab.* Juan Vinas.

Would follow *C. parapatella*, Dogn., in Sir George Hampson's Catalogue.

*Clemensia cincinnata*, sp. n.

♂. Palpi and abdomen dark brown. Head, collar, and thorax grey-brown mottled with white. Fore wings greyish white, irrorated with brown and fuscous and shaded with dark grey and brown except at base and on outer margin; a fine black basal line; a broad fuscous-brown antemedial curved line; a black streak on discocellular; medial and subterminal black spots on costa; three medial black points on submedian; terminal brown points; cilia white, spotted with brown at vein 4 and apex. Hind wings: costa silvery white; cell pale yellow; inner area and outer margin broadly dark grey, narrowing at apex. Fore wings below: base of cell with upturned silvery scales, downturned at middle of cell; a patch of brown androconia above submedian and long yellowish hairs.

Expanse 21 mm.

♀. Anal hairs of abdomen whitish. Fore wings whiter; the antemedial followed by a fine line; an ochreous shade medially above submedian; a medial and a postmedial brown line. Hind wings fuscous grey.

Expanse 18 mm.

*Hab.* Juan Vinas.

*Clemensia leopardina*, sp. n.

Palpi black. Head, collar, and thorax light grey; four black spots on metathorax. Abdomen dark grey; anal hairs buff-brown. Fore wings light grey, a basal black spot on costa and one on inner margin; a subbasal spot on costa, one below cell, and a short streak below submedian; an antemedial row of spots on costa, subcostal, below cell, and on submedian; a spot on inner margin nearer base and one on submedian fold at origin of ochreous streak which extends to a subterminal spot above inner margin; a spot in middle of cell, followed by a medial row of small spots almost coalescing; a large spot at end of cell; a postmedial row of streaks inset below vein 3 and replaced by spots on submedian and inner margin; subterminal large spots on costa, between 4 and 6, and on inner margin; terminal black points; cilia spotted with fuscous at vein 4 and at apex. Hind wings whitish; the outer margin irregularly dark grey.



Expanse 22 mm.

*Hab.* Sixola.

Allied to *C. ophrydina*, Dr.

ANAULOSIA, gen. nov.

Proboscis fully developed; palpi upturned; anal segment tufted. Fore wings: apex acute; outer margin excised below apex and above tornus; vein 2 from just beyond middle of cell; 3 from well before angle; 4 and 5 from lower angle; 6 from just below upper angle; 7, 8, 9 on long stalk; 10 and 11 free. Hind wing with vein 2 from near angle; 3 and 4 coincident; 5 from well above angle; 6 and 7 on very long stalk; 8 from middle of cell.

*Anaulosia impolita*, sp. n.

Head, collar, thorax, and fore wings dull leaden brown. Abdomen and hind wings dull dark brown. Fore wings: a faint postmedial whitish line from costa, outwardly oblique; some postmedial, inwardly oblique, faint whitish spots from vein 4; a terminal whitish shade, interrupted between 4 and 5; cilia greyish buff from vein 3 to tornus, otherwise black, tipped with greyish buff just below apex.

Expanse 15 mm.

*Hab.* Guapiles.

*Diarhabdosia coroides*, sp. n.

♂. Frons and metathorax dark grey. Vertex and collar buff-white, the latter edged behind with roseate. Mesothorax roseate, the patagia buff-white, tipped with dark grey. Abdomen whitish yellow. Fore wings dark lilacine grey; the costal margin except at base, the inner margin broadly, a streak through cell to outer margin, and cilia whitish yellow. Hind wings smoky grey; the costal, inner margin, and cilia whitish yellow. Underneath the fore wings are more fuscous grey, the streak in cell very fine and not reaching outer margin; the hind wings whitish yellow, suffused with grey at apex.

Expanse 18 mm.

♀. Similar to male, but hind wings above and below dark grey, the costal margin and cilia whitish.

Expanse 20 mm.

*Hab.* Guapiles, Tuis, Sixola.

Allied to *D. cora*, Dyar.



*Diarhabdosia melinda*, sp. n.

♂. Head whitish; a dark grey spot between antennæ. Collar whitish, edged behind with roseate. Thorax roseate. Abdomen yellowish white; a transverse dark grey line on last segment. Fore wings whitish yellow; a lilacine grey shade at end of cell, expanding towards costa, and continuing towards apex, where it is upturned and ends in a dark point on costa; a broad similar shade below cell and to outer margin, terminating in a darker point; the base of inner margin shaded with lilacine grey. Hind wings still paler; a dark terminal shade from vein 4 to apex; a dark terminal point below vein 2. Underneath whitish; the dark shades on fore wings not reaching base and more pronounced; the shade at apex of hind wings somewhat reduced.

Expanse 20 mm.

*Hab.* Banana River.

Allied to *D. mandana*, Dyar.

*Metallosia nitens*, sp. n.

♀. Head, collar, and thorax dark golden green. Abdomen black, shot with dark green terminally. Legs shaded with dark metallic green. Fore wings golden green; a fuscous streak below cell and vein 2. Hind wings black.

Expanse 17 mm.

*Hab.* Sixola.

**Lasiocampidæ.***Lebeda angustipennis*, sp. n.

♂. Head violaceous brown, thinly irrorated with ochreous-brown hairs. Collar and thorax ochreous brown, irrorated with violaceous brown. Abdomen brown, darkest dorsally, slightly tinged with violaceous. Fore wings dark violaceous brown, irrorated with ochreous-brown scales; an ochreous point at end of cell; traces of duller antemedial, medial, and postmedial shades, all very indistinct; cilia deep reddish brown. Hind wings dull dark brown, only the costal margin irrorated with ochreous brown. The fore wings long and narrow, the outer margin very oblique. Hind wings with the costal margin deeply excised.

Expanse 78 mm.

*Hab.* Tuis.



*Metanastria rufescens*, sp. n.

♂. Palpi violaceous brown, irrorated with buff above. Head and collar greyish, the base of the scales brown. Thorax and abdomen reddish brown; some greyish-buff hairs terminally on abdomen. Fore wings reddish brown, darkest medially and on outer margin; some ochreous shading at base of inner margin; a broad antemedial space crossed on either side by ochreous-buff lines and slightly irrorated with ochreous buff; a white point in cell, followed by a long fuscous shade reaching subterminal spots; the postmedial space broad, ochreous buff, crossed by two reddish-brown lines; subterminal ochreous-buff blotches spotted with black between 7 and 9 and above and below vein 2; the outer margin slightly tinged with violaceous. Hind wings reddish brown; the cilia tipped with white.

Expanse 75 mm.

*Hab.* Juan Vinas, Tuis.

*Metanastria antonia*, sp. n.

♂. Palpi violaceous brown, tipped with buff. Head, collar, and thorax light brown, the scales tipped with buff. Abdomen brown. Fore wings brown, thickly irrorated with buff; the lines buff, outwardly edged with darker brown except the medial line, which is inwardly so shaded; basal line straight at some distance from base; antemedial straight, followed in cell by a white point; medial and postmedial lines faintly curved on costa and inwardly oblique, parallel; irregular subterminal darker shadings, hardly discernible, and two black spots near tornus. Hind wings violaceous brown.

Expanse 69-74 mm.

*Hab.* Juan Vinas, Tuis, Cariblanco.

*Metanastria tremula*, sp. n.

Head and thorax brown, tinged with lilacine, the scales tipped with buff. Abdomen reddish brown. Fore wings: base to medial space brown, thickly irrorated with buff, crossed by an antemedial, finely wavy, fuscous line; medial space dark brown, narrowing on inner margin, edged by a finely dentate buff line, and containing a white point in cell; space beyond to subterminal spots rather paler than basal area and crossed by an indistinct buff line, also finely dentate, curved on costa and inwardly oblique to inner margin; an



irregular row of subterminal black spots, beyond which the outer margin is shaded with drab. Hind wings dark brown; the costal margin similar to postmedial space of fore wings; a medial and a postmedial faint buff shade.

Expanse 76 mm.

*Hab.* Tuis, Juan Vinas.

*Metanastria vibrans*, sp. n.

Palpi violaceous brown. Head, collar, and thorax brown, irrorated with whitish buff. Abdomen above brown. Fore wings brown, tinged with violaceous, the medial space darkest; the lines fine, dentate on costal margin, finely wavy across wing; the basal line remote from base, upright; the antemedial slightly oblique, incurved between vein 2 and submedian, closely followed in cell by a white point; the medial line slightly oblique, outcurved between 2 and submedian; the postmedial curved on costal margin, parallel to medial line; an irregular row of subterminal buff spots, each containing a cluster of black scales. Hind wings rich brown.

Expanse 70 mm.

*Hab.* El Sitio, Cariblanco.

*Claphe inflata*, sp. n.

♂. Body and wings buff-brown. Abdomen with violaceous-brown tufts dorsally, except on first segment; anal hairs very long, tipped with reddish brown. Fore wings: an antemedial fuscous shade on costa, crossed by an oblique pale buffish line to inner margin, where it is outcurved and upbent to vein 3, then fainter and lunular to vein 6, enclosing between vein 3 and inner margin a dark reddish-brown space, crossed by vein 2 and submedian, which are buff; medial space between the lines from vein 3 to 6 and subcostal shaded with grey and crossed on discocellular by a rather heavy dark reddish-brown streak; a subterminal series of spots, almost coalescent, and indicated by their slightly paler edging, ending above vein 8 in dark reddish-brown spots; terminal lunular whitish streaks between the veins, outwardly finely edged with darker brown. Hind wings rather darker, except on outer margin; a terminal brown line, inwardly edged with buff.

Expanse 35 mm.

*Hab.* Sixola.



*Claphe caramina*, sp. n.

Head and thorax ochreous brown; a darker tuft on metathorax. Abdomen ochreous dorsally, yellowish laterally. Fore wings: costa finely ochreous brown; anterior space above median and vein 4 smoky grey, below median and vein 4 ochreous brown, irrorated with white, chiefly on grey portion; a fine medial and postmedial brown line; a subterminal whitish line incurved between 7 and 4, where it is followed by a curved ochreous-red spot; a terminal whitish line similarly incurved, leaving a brown space on margin between 7 and 4; the veins at apex whitish; two black points on discocellular. Hind wings yellowish; a fuscous-grey geminate shade at apex.

Expanse 25 mm.

♀. Buff-brown, darkest on terminal half; subterminal line wavy, indistinct. Hind wings outwardly shaded with brown and crossed by a paler subterminal shade; other markings as in male.

Expanse 29 mm.

*Hab.* Juan Vinas, Tuis.

Allied to *C. ocruma*, Schs.

*Ocha casada*, sp. n.

♂. Head and thorax lilacine buff. Abdomen yellowish. Fore wings yellowish, shaded with lilacine buff above median to postmedial line and on outer margin; some reddish-brown shading at base; basal half of cell dark brown; a whitish basal line; an antemedial fine brown line, forming an outward curve on costal margin and below cell, inwardly angled above inner margin; two black points on discocellular; a medial line outcurved between 9 and 5, dark brown, becoming paler towards inner margin and on costa, outbent below vein 2; postmedial line close to medial to vein 6, then straighter to inner margin, pale yellow indicated by the darker shadings on either side; a dark brown shade between 5 and 6 to subterminal, and a clear yellow space above it to vein 8; subterminal outcurved below costa, inwardly shaded with brown, and dark brown between 6 and 8, irregular below 6, indicated by the lilacine buff shade it crosses; cilia with dark points between the veins. Hind wings pale yellow; three brown lines on costa towards apex.

Expanse 24 mm.

*Hab.* Juan Vinas, Sixola, Guapiles.





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