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COSTA RICAN BUTTERFLIES.
COSTA RICAN BUTTERFLIES.
PROCEEDINGS OF THE GENERAL MEETINGS FOR SCIENTIFIC BUSINESS OF THE ZOOLOGICAL SOCIETY OF LONDON.

PAPERS.


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(Plates L.-LIV.*

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The following new species are the result of a recent visit to Costa Rica, where nearly three years were spent in collecting. 1081 species of Rhopalocera were taken, 409 more than were previously known from that country, and of these I am here describing 54 species as new. With the Heterocera I was equally successful, taking 4000 species, whereas only 510 are recorded in the 'Biologia Centrali-Americana' from Costa Rica, to which number 87 were added by Pittier and Bioley in Part iii. of the 'Invertabrades de Costa Rica.'

### Subfam. Danaidae.

**Napeogenes hemisticta**, sp. n. (Pl. L, fig. 1.)

♂. Antennae black on basal half, apical half yellow-brown. Head black; whitish points on frons and neck behind; a white medial line on vertex. Collar and thorax black; a greyish medial line on thorax and small cluster of similar scales behind. Abdomen slate-brown above, yellow-white below. Fore wings black; basal third of inner margin and shorter shade above submedian rich brown; spots semi oily aline yellowish white; two spots near end of cell obliquely placed; a spot beyond cell and an elongated spot above it on costa; an outer row of five spots, the one between veins 3 and 4 elongated, oblique; seven marginal spots, the one at apex preceded by a small elongated spot on costa. Hind wings orange-brown, the costa to discocellulars grey; apical portion beyond it black, its inner edge bent to vein 3 or before it, then obtuse to near margin, which becomes narrower, the black not reaching anal angle; five marginal spots; subterminal spots above and below vein 5, sometimes almost obsolete. Wings below similar; no brown at base of fore wing; the costa of hind wing black.

Expanse 54 mm.

**Hab.** Carillo, Guapiles.

In British Museum.
PTERONYMIA FUMIDA, sp. n. (Pl. L. fig. 3.)

♂. Antennae black, apical fourth orange. Head and thorax black-brown; a white circle around eyes. Abdomen dark slate-brown; a whitish vertical line below terminally. Fore wings semihyaline smoky black, the veins, costal margin, inner margin to median, and termen narrowly brown-black; faint yellowish spots, one at end of cell close to median; an outangled post-medial series of spots, the one between veins 2 and 3 elongated, suffusing with the lowest of marginal spots, of which there are five. Hind wings reddish brown, semihyaline, the margins black, more broadly so on outer margin, the inner margin very finely black; traces of a yellowish subterminal shade at apex. Wings below duller; two white spots at apex of fore wing; marginal white spots on hind wings, paired on interspaces.

Expanse 57 mm.

Hab. Carillo.

PTERONYMIA GODMANI, nom. nov.

This form is the Pteronymia simplex of the Biologia, but not P. simplex Salv.; the discoacellular line is narrow and curved; apex of hind wings below usually without spot, sometimes one, never two as in P. simplex Salv.

Found generally in Costa Rica above 3000 ft.

ITHOMIA BOLIVARI, sp. n. (Pl. L. fig. 2.)

♂. Head black spotted with white. Collar dark reddish brown. Thorax black shaded with grey. Abdomen black above, ventrally white. Fore wings black; the cell to near end, which is filled by the broad oblique fascia from costa, the space between veins 2 and 3 to near termen, a large terminal spot between 2 and 3, and a subapical fascia from costa to vein 3 hyaline, the fascia mostly shaded with white. Hind wings hyaline, the veins and outer margin narrowly black; the costa grey-black. Fore wings below: inner margin fuscous grey; dark spaces brown edged with black, more broadly in cell and at apex; base of costa black; 4 apical white spots, the one on costa minute. Hind wings below: margins brown edged with black; a broad yellow streak at base of costa; veins black; small paired whitish spots on three interspaces below apex.

Expanse 43 mm.

Generally distributed along the Caribbean coast.

In British Museum.

Subfam. SATYRINÆ.

EUPTYCHIA DRUMO, sp. n. (Pl. L. fig. 6.)

♂. Body and wings dark brown, the disc of wings lighter brown, especially on fore wings; the two lines of underside faintly indicated; a terminal black line, preceded by a faintly greyish shade, and fuscous marginal line; a subterminal fuscous
wavy line on hind wings. Fore wings below yellowish buff; the
two lines bright reddish brown, vertical, the inner line not
reaching costa; costal margin shaded with grey; a subterminal
dull brown shade interrupted by an ocellus below costa, black,
circled with yellow, and containing a bluish-white point; the
ternen greyish crossed by two fine lines, faintly wavy, and a
terminal fuscous line. Hind wings below lilacine grey tinged
with pale buff; the two lines parallel, slightly inbent; a large
ocellus near apex, surmounted by a very small ocellus, and with
a yellow spot below it; a large ocellus between veins 2 and 3,
containing two bluish points with a yellow spot above it, out-
wardly broken; the ocelli edged and connected by a dull brownish
shade; ternen grey, the two marginal lines more deeply wavy,
shaded with reddish brown at anal angle; a terminal fuscous line.

Expanse 37 mm.

Hab. Guapiles.

Near E. confusa Stgr., and E. labe Butl.

In British Museum.

Euptychia agnata, sp. n. (Pl. L fig. 4.)

♂. Wings brown; traces of antemedial and medial darker
lines. Fore wings: an even marginal darker shade, faintly
darker edged; the apical spot of underside faintly indicated.
Hind wings: a large subterminal fuscous spot between veins 2
and 3; the apical spot of underside indicated; subterminal,
marginal, and terminal darker lines. Wings below pale grey;
the antemedial and medial lines dark reddish brown. Fore
wings: the two lines vertical; a broad darker brownish-grey
outer shade; the apical ocellus black, edged with yellow and
containing a black point; dark subterminal and marginal lines;
a fine fuscous brown terminal line. Hind wings: the two lines
slightly inbent, the outer one angled near inner margin; ocelli
black, broadly edged with yellow and containing a white point;
darker grey shading around ocelli; a small ocellus at apex above
vein 6, and a large one below it; a small yellow spot below
vein 5; a larger yellow spot below vein 4 suffusing with the
large ocellus below vein 3; the subterminal and marginal lines
dark brownish grey, becoming reddish brown on inner margin;
terminal line fuscous brown.

Expanse 48 mm.

Hab. Guapiles.

Near E. antonoe Cramer, found in the same locality and
E. juami Stgr.

Catargynnis dryadina, sp. n. (Pl. L fig. 5.)

♂. Body fuscous, clothed with brown hairs; a white lateral
streak on palpi. Fore wings brown; a vertical outer row of
white spots on interspaces, broadly edged with darker brown,
the spots on costa and at submedian fold smaller, followed
throughout by a broad lighter brown shade, and preceded by a
similar triangular shade between veins 5 and 6. Hind wings
darker, especially terminally; an outer row of small white spots
on interspaces; cilia partly white on interspaces. Fore wings
below dull olive-brown to beyond cell, its outer edge outcurved
from costa, uneven; outer third pale buff shaded with dark
grey; the white spots as above broadly edged with dull dark
brown; a broad subterminal fuscous brown line, lunular between
veins 5 and 7, obsolete on costa; some fine dark strie on
apex; a terminal interrupted fuscous brown shade. Hind wings
below dull olive-brown, mottled with white antemedially and
beyond medio fascia, crossed by darker strie; the medio fascia
defined by darker edging, broad, obtuse in cell to end, downbent
towards inner margin; the small outer white spots broadly edged
with fuscous brown, preceded and followed by fuscous brown
shadings; the outer margin deeply crenulate from vein 4 to anal
angle, less so towards apex.

Expanse 72 mm.

Hab. Volcano Turrialba, at 8000 feet.

Subfam. Heliconiæ.

Heliconius galanthus, ab. subrufescens, ab. nov. (Pl. LIII.
fig. 7.)

Differs from H. galanthus Bates on the underside of hind wings;
the medial space below subcostal black, the fascia being reddish
brown, limited by a postmedial broad black line, followed by a
narrow brown shade having its outer edge incurved on interspaces.
In H. galanthus the medial space is black edged above and below
with reddish brown.

A single specimen taken on the slopes of Turrialba. Belongs
to the group with greyish costa on hind wings.

Subfam. Nymphaline.

Eupetoida poasina, sp. n. (Pl. LII. fig. 2.)

♀. Wings brownish buff. Fore wings: the base olive-brown
irrorated with black; an antemedial black line in cell, and one
below it, outset; a pale spot near end of cell, broadly edged with
black; postmedial line black, oblique from costa, incurved, lunular
below vein 4, angled on veins, followed by a straighter, narrower,
fuscous line; an outer row of black spots on interspaces, suffusing
on costa with subterminal fuscous line, which is lunular, inwardly
toothed on veins; termen fuscous, with a pale interrupted
lunular marginal line. Hind wings: base darker brown with a
black line on discocellular, limited by the black medial line, which
is incurved opposite cell, angled at vein 4, followed by a fuscous
straighter line; a black shade at base and below cell; four outer
black spots between veins 2 and 6; subterminal line lunular
from veins 6 to 3, otherwise straighter; the pale marginal line
broader. Fore wings below light brown to postmedial; an
antemedial black line in cell; the cell spot paler edged with
black except on subcostal; space beyond postmedial brownish buff, the costa and termen shaded with greyish green; outer spots below veins 2, 3, and 4; on costa a dark shade, inbent and preceded by some white; subterminal line brown. Hind wings below mottled brownish buff and dull green, the veins and termen whitish grey; a curved antemedial whitish line above cell; medial line fine, fuscous, inwardly edged with whitish grey; subterminal line fine, brown, outwardly edged with whitish; cilia white with brown points at veins.

Expanse 46 mm.

Hab. Pons.

In British Museum.

_Eresia sticta_, sp. n. (Pl. L. fig. 7.)

♂. Antennae black tipped with yellow. Head, collar, and thorax black; a white streak on palpi; two white spots on frons, and one on vertex. Abdomen brown above, laterally irrorated with white; underneath white with a ventral black line. Fore wings black, the spots yellow-white, partly greyish; a round spot at end of cell; postmedial streaky spots from costa to vein 4, outcurved, and two spots between 2 and 4, inset, vertical; outer and marginal spots, both slightly inset between veins 3 and 4, the marginal spot obsolete at apex. Hind wings reddish brown; a black shade along subcostal, expanding from middle of wing, forming a broad margin, narrowing to anal angle; marginal white spots at apex. Fore wings below: the spots larger, yellow-white; some brown shading at base of inner margin. Hind wings below similar, but the costa also black with a short yellow streak at base; large marginal white spots.

♀. Antennae yellow except at base; a brown streak below cell on basal half. Hind wings with the margin much more narrowly black, and no black shading on subcostal, except subterminally; marginal white points from below the apical spots. Hind wings below: the costa broadly black; a short yellow streak at base; traces of fuscous subterminal spots; the marginal spots triangular.

Expanse, ♂ 53 mm., ♀ 60 mm.

Some males have the costa of hind wings entirely black; the species is allied to _E. pecilia_ Bates, but the apex is more bluntly produced, and the termen more oblique.

In British Museum.

_Eresia cela_ Ducre. (Pl. L. fig. 8.)


♂. Fore wings black; a reddish-brown fascia through entire cell, downbent between veins 2 and 3 to near termen, with a small black spot on it close to vein 3 postmedially, and shaded with yellowish terminally; a small subterminal reddish-brown spot just below vein 2; an oblique paler fascia postmedially from
costa to vein 5, and large subterminal spots between 4 and 6; a small round marginal spot, tinged with whitish above vein 4, and one below it. Hind wings black; a broad reddish-brown fascia from inner margin to near apex; a similar marginal line, interrupted by veins, the apical spot paler. Underneath similar to female, but all the spots yellow instead of white; the brown fascia on fore wings brighter brown, separated by a black line from the large subterminal spot. Hind wings below with the fascia as above but tinged with yellow, otherwise agreeing in markings with the female.

Expanse 45 mm.
Found on the Caribbean coast only.

**Phyciodes dora**, sp. n. (Pl. LI. fig. 9.)

2. Palpi dark brown, whitish grey below. Head dark brown. Body fusco with fine yellowish irroration. Fore wings: basal half black, its outer edge projecting between veins 4 and 5, and less so outcurved between vein 2 and submedian, followed by a yellow shade from costa to vein 4, and a yellow spot between veins 2 and 3; the base with some yellowish irroration, leaving a geminate antemedial outbent line clear black; two yellowish-brown spots across end of cell, suffusing; a reddish-brown line on discocellular; a medial small yellow spot above submedian; outer half bright brown, irrorated with black subterminally, interrupted by round yellow spots edged with black, one below vein 2 and another between 4 and 5; three smaller yellow spots from above vein 6 to costa; termen fusco preceded by a sinuous yellow-brown line. Hind wings black irrorated with yellow-grey, leaving clearer black lines on basal third; a brown line on discocellular; a postmedian bright brown fascia from costa to vein 2; large outer spots formed by yellow edging, inwardly rounded, outwardly straight; these spots fill the entire interspaces; a subterminal wavy yellow line; a terminal yellow line at anal angle. Fore wings below brighter, the base greyish; a yellow-grey shade between the antemedial black lines; the cell spots broader forming a band; the yellow shades beyond dark space more extended; the termen brown; a grey shade at apex. Hind wings below: base to medial grey-brown, darkest in cell, whitish lilacine above cell; a subbasal and an antemedial lunular brown line, partly followed by the other less distinct lines; the medial line dark brown, inbent on vein 4, outset between vein 2 and submedian; postmedian space dull brown followed by a series of spots, except on costa, the spot above vein 4 round, fusco brown, the spot below 4 triangular, the others more lunular, mostly edged with geminate lilacine lines; a subterminal geminate lunular dark brown line; termen lilacine white from apex to below vein 6, then dark brown, shaded with still darker brown between spots and lunular line.

Expanse 30 mm.

*Hab.* Poas.
Phyciodes phlegias G. & S. (Pl. L, fig. 9.)


♀. Body and wings above fuscous brown, the body and base of wings irrorated with ochreous. Fore wings: spots white; an oblique line across cell near end, followed by a large white spot between veins 2 and 3; a few white scales above 3 and below 2; a postmedial oblique broad white line from costa to vein 4; a small outer spot on costa; a quadrate spot between veins 4 and 5, and a larger spot above submedian, extending just above vein 2; traces of small whitish spots between veins 5 and 7; traces of a fine outcurved subterminal line, broad and well marked from vein 4 to near vein 2. Hind wings: a broad postmedial white fascia from vein 7 to inner margin, followed below vein 4 by a line of ochreous irrorations; subterminal line slightly lunular, fine, white on costa, then ochreous. Fore wings below: base and costa mottled pale brown and grey; a broad antemedial fascia defined by edging of dark outcurved lines; the white line at end of cell downbent to inner margin; the space between postmedial and outer spots fuscous; apex lilacine grey; a broad terminal dark brown shade between veins 4 and 6; termen more narrowly brown at tornus; subterminal line fuscous brown. Hind wings below lilacine grey, broadly shaded with white postmedially between veins 2 and 7; basal half crossed by fine brown lines; the postmedial better defined, incurved on costa, and followed there by a brownish shade; a fine lunular outer line, with a series of faint greyish spots beyond it; subterminal line geminate, lunular, filled in and preceded by a dark grey shade from vein 7 to vein 2; termen dark brown from above vein 5 to below vein 2.

Expanse 39 mm.

Hab. Peralta.

Phyciodes niveonitis Btl. & Druce. (Pl. LIII, fig. 10.)


♀. Body above fuscous. Wings fuscous brown. Fore wings: a large white spot just beyond middle from submedian to near vein 2, edged with yellow-brown, irrorated with black; the outer broad white line from costa to vein 5 similar; small subterminal similar spots between wings 4 and 6, and a yellow-brown spot below vein 4. Hind wings: a yellow-brown line on disco cellular; a line of similar irrorations beyond postmedial fascia which has its edge also finely yellow-brown; subterminal line brownish, faintly indicated towards inner margin. Fore wings below light brown; an antemedial fascia defined by dark lines; two whitish spots near end of cell; a brown spot on disco cellular edged with black; a broad black postmedial shade from costa, outcurved to near tornus; a subterminal lunular dentate darker brown line; the spots all whitish. Hind wings below: base grey-brown crossed by brown lines; the whitish fascia obscured by brown
irrorations and crossed by a fine line; outer margin broadly brownish, irrorated partly with grey; an outer row of fuscous grey spots on interspaces; a marginal lunular dark brown line. Expanse 30 mm.

Hab. Juan Vinas.

ECRAGIS NECUBA, sp. n. (Pl. LI. figs. 4, 5.)

♂. Body above fuscous, whitish underneath. Wings bluish green. Fore wings: apex and outer margin black, expanding at vein 4, its inner edge obliquely outbent to vein 2, below which it is very finely black. Hind wings: a marginal and a terminal black line, suffusing at apex. Wings below white. Fore wings: costa grey-brown with a white streak at base; subcostal medially red-brown; a fine blue line and red-brown streak below subcostal to beyond cell; a red-brown streak on discocellular, edged with metallic blue and then black; a broad medial black fascia from end of cell, and an antemedial black fascia inbent across cell, interrupted by median and narrowest below it; a broad black line above vein 3 from cell, to a similar oblique line which extends from costa to brown terminal space; another black line from vein 3 is obliquely downbent to a black tornal space; the termen itself whitish; the termen from vein 2 to just above vein 6 reddish brown, its inner edge fuscous, upbent to costa, leaving a white apical space. Hind wings: lines reddish brown partly edged with fuscous; an inbent basal line; a medial fascia expanding to close to inner margin, and then downbent, enclosing a white space from subcostal; a broad subterminal line, its outer edging downcurved near apex, forming a marginal fuscous line partly mottled with reddish brown; anal angle reddish brown where all the lines suffuse; some metallic blue scaling near anal angle.

♀ similar below. Fore wings above green; a white spot in cell above vein 2; a black shade below subcostal expanding at end of cell, followed by a large postmedial white spot oblique from costa to just below vein 4; a large postmedial vertical spot between submedian and vein 3; outer margin broadly black; a subterminal small white spot between veins 2 and 3, and smaller spots above and below vein 5; also a small inset spot near costa. Hind wings green; a postmedial broad white space from costa to below vein 5; a broad black subterminal line, and a similar marginal line; the termen brown-black with a fine green line near anal angle, the lines all suffusing in a brown shade at apex.

Expanse, ♀ and ♂ 40 mm.


Allied to E. vicaria Bates.

In British Museum.

PERISAMA BARNESI, sp. n. (Pl. LI. fig. 10.)

♀. Palpi black broadly streaked with white. Body black above, some white scaling around the eyes. Wings black. Fore
wings: some dark blue irrorations at base, along veins, and in cell; a postmedial curved greenish-blue fascia from costa to tornus, its edges uneven. Hind wings: some scattered blue irrorations; the outer margin greenish blue; a terminal brown-black line; cilia white. Fore wings below black; the cell to near end and a space below it crimson; a postmedial curved series of metallic blue spots; termen white, broadest at apex, crossed by a fine marginal black line. Hind wings below grey-brown shading to whitish on termen; costa narrowly crimson; outer small round black spots on interspaces; a subterminal and a terminal dark brown line.

**Expanse 43 mm.**

*Hab.* Carillo.

This species is named after J. Barnes, who captured the only specimen met with.

This is the first *Perisama* recorded from Central America.

**VICTORINA STENELLE, **ab. **STYGIANA,** ab. nov.  (Pl. LI. fig. 6.)

♂. Fore wings fuscosous brown, darkest medially; a large pale green spot on inner margin close to middle, almost reaching vein 2; a very small outset spot above vein 2; a small white spot medially on costa; subterminal whitish spots, larger and better defined near tornus. Hind wings fuscosous brown; base darker followed by a broad pale green fascia and a medial fuscosous fascia, all stopping at submedian; the inner margin white; an outer row of oval green spots on interspaces preceded by fuscosous shadings; veins terminally darker edged. Underneath more like the typical form.

**Expanse 82 mm.**

*Hab.* Avangarez.

**Fam. ERYCINIDAE.**

**EURYGONA MYSTICA,** sp. n.  (Pl. LI. fig. 8.)

♀. Palpi white. Frons white divided by a brownish line. Vertex black. Collar and thorax brown. Abdomen above brighter brown, underneath white. Fore wings fuscosous brown; the cell and basal half of wing below it bright brown; a paler rust-brown shade between veins 2 and 4, not reaching outer margin. Hind wings rust-brown, the costal margin broadly fuscosous brown. Wings below pale brownish grey, the postmedial line vermilion finely edged with dark grey. Fore wings: the postmedial line slightly outbent, straight; a subterminal narrow vermilion shade; a terminal yellow-brown shade. Hind wings: the postmedial line vertical to below vein 2, then curved and wavyly inbent to inner margin; a subterminal lunular dentate brownish shade from costa to below vein 3, followed by marginal points between veins 4 and 7, between 3 and 4 by a large black spot outwardly edged with white; below vein 2, irregular brown
lines terminating in black points followed by white shading; termen from above vein 2 to anal angle vermilion.

Expanse 22 mm.

_Hab._ Rio Grande, San Mateo.

**Eurygona leucon**, sp. n. (Pl. LI. figs. 1, 3.)

♂. Palpi, lines on frons and tarsi pale buff. Head fusaceous. Thorax and base of abdomen dark brown, abdomen otherwise bright brownish red above; underneath greyish buff. Fore wings faintly angled at vein 4, fusaceous; a brown-red shade at base from cell to inner margin; a similar streak at base below subcostal. Hind wings brownish red; the costal and outer margins to vein 2 black, the inner margin fusaceous brown. Wings below pale greyish brown, the medial line brownish red finely edged with black. Fore wings: medial line slightly angled at vein 4, terminating at submedian fold; an outer vertical dark brown line, not so well marked. Hind wings: the medial line incurved between veins 4 and 2, deeply downcurved below 2; subterminal greyish lunules from costa to vein 4, edged with dark brown; between 4 and 3 the lunule is larger, yellowish, followed by a black spot, outwardly edged with white; the inner brown shading expands between 3 and 2, and is followed by a dark wavy line; from vein 2 to inner margin are three yellow-brown streaks outwardly irradiated with black and terminating in white points before a fine marginal fusaceous line; cilia reddish brown except at apex.

♀. Fore wings fusaceous; a large orange space from middle of cell and well beyond it, not reaching costa, or below vein 2. Hind wings dark brown; the outer margin outcurved from veins 4 to 2, shaded terminally from 4 to anal angle with brownish red. Wings below light yellow brown, the medial line as in male, but brighter red; the outer line on fore wings also red; the lunules on hind wings heavier, geminate, the marginal shadings faintly marked.

Expanse, ♂ 26 mm., ♀ 29 mm.

_Hab._ Turrialba.

**Eurygona leucophrina**, sp. n. (Pl. LIII. fig. 8.)

♂. Frons white. Vertex and body fusaceous; some brown shading on abdomen dorsally. Wings brown. Fore wings: costal margin, front of cell, apex, and outer margin more narrowly tinged with fusaceous. Hind wings: costal and inner margin greyish; a subcostal fusaceous shade. Wings below silvery white.

Expanse 27 mm.

_Hab._ Cachi.

Near _E. catalonica_, but larger and brighter brown.

**Eurygona matuta**, sp. n. (Pl. LI. fig. 7.)

♂. Frons white. Vertex and body above fusaceous brown, underneath white. Fore wings fusaceous, the base in and below cell
shaded with brown; an orange wedge-shaped spot close to cell, between veins 2 and 4. Hind wings brown, the outer margin shaded with fuscous; the costa whitish; the inner margin grey-brown; cilia on inner margin and apex white. Wings below white; a very fine pale olive-brown postmedial line, almost vertical, bluntly curved below vein 2 on hind wings. Hind wings: a small black marginal spot between veins 3 and 4; three black points from vein 2 to inner margin, and a few subterminal black irroration.

**Expanse 21 mm.**

*Hab.* Juan Vinas.

**Mesosemia albibunca, sp. n.** (Pl. LIII. fig. 12.)

♂. Thorax and base of abdomen metallic blue, abdomen otherwise and head fuscous; underneath grey. Wings vivid blue. Fore wings: a white point near end of cell; outer margin broadly black, widest on costa, its inner edge outbent and curved near tornus. Hind wings: termen black, the veins close to it streaked with black; a subterminal black spot at apex, suffusing with black costal margin; in another specimen the spot continues as a line to inner margin. Wings below grey-brown, the lines darker brown. Fore wings: the two lines before ocellus parallel, outbent from subcostal; ocellus large, a white central point, and two outer points, circled with yellow; two lines beyond ocellus, close together, diverging slightly towards inner margin; postmedial space grey irrorated with metallic blue from near costa to vein 3, limited by a fine greyish yellow line, outbent from costa, at submedian approximated by a similar subterminal line. Hind wings: the antemedial and postmedial lines straight, geminate; the medial shade partly linear interrupted by a smaller ocellus, black, circled with yellow and containing two white and blue points; a broad outer shade; a subterminal line; termen dark shaded.

**Expanse 27–30 mm.**

*Hab.* Guapiles, Esperanza.

**Hermathena Oweni, sp. n.** (Pl. LIII. fig. 9.)

♂. Head and thorax black clothe with greyish-white hairs. Abdomen grey, with transverse black segmental shades. Wings white, the base mottled with black with traces of a subbasal whitish line; spots black, two beyond cell; a medial spot below vein 2; subterminal quadrate spots above and below vein 6, also above and below vein 3; apex black; spots at end of veins; terminal interspaces between veins 2 and 3, and 4 and 6 mottled with black. Hind wings: terminal spots at veins; subterminal quadrate spots above and below vein 7. Underneath similar; the basal mottling showing through from above; the terminal markings on interspaces entirely black.

**Expanse 42 mm.**

*Hab.* Costa Rica.

Named after Prof. Owen of Madison, Wis., who has kindly given me this unique specimen.
Corrachia, gen. nov.

♀. Fore wings: outer margin straight at apex, then rounded; vein 3 close to lower angle of cell; 4 from lower angle; discocellular incurved, slightly oblique; 5 from just above middle; 6–10 stalked from upper angle, 10 before 6; 11 from close to end of cell anastomosing with costal vein. Hind wings as long as fore wings; cell elliptical; vein 3 before end; 4 from end; 5 from middle of discocellular; 6 and 7 stalked. Abdomen stout.

Type of genus, C. leucoplagia Schaus.

Corrachia leucoplagia, sp. n. (Pl. LIIL, fig. 2.)

♀. Body and wings brownish slate-colour. Fore wings: a broad medial white fascia, slightly outcurved, from subcostal to submedian vein, a whitish streak on costa above it between veins 10 and 11. Hind wings: marginal fuscous lunules, faintly edged with greyish. Wings below grey. Fore wings: the white fascia followed by a broad outcurved fuscous shade to some whitish subterminal points. Hind wings: termen irrurated with whitish; small subterminal fuscous spots preceded by whitish shadings.

Expanse 35 mm.

Hab. Palmital.

This peculiar species will probably be found to have a very dissimilar male.

Charis subtessellata, sp. n. (Pl. LIIL, fig. 11.)

Body above fuscous. Fore wings fuscous, the base tinged with olive-brown; a white spot in cell; an outer white spot between veins 2 and 3, and a smaller one between 5 and 6; a small postmedial spot above vein 6. Hind wings dark olive-brown; cilia white between veins 5 and 6; a yellow-grey marginal streak at anal angle. Fore wings below reddish brown, markings bluish white partly edged with black; a streak at base of costa; a basal streak below subcostal; an antemedial fascia in cell, and one below it outset; a medial fascia in cell, with a white streak above subcostal, and a buff streak above costal vein; an outset medial fascia below cell, all of them narrower towards median, the two below cell suffusing on submedian; a fine black line on discocellular followed by small spots from costa to vein 4; two costal spots beyond, superposed, and small black spots on interspaces below; an interrupted subterminal white line preceded by a white point above vein 6, a large one below it, black spots below 5 and 4, and a still larger white spot between 3 and 2; a marginal silvery blue line; a fine terminal black line; cilia fuscous. Hind wings below reddish brown except on outer third; a white triangular spot on costa near base, and a quadrate medial spot; an antemedial white spot in cell, and transverse line across end of cell; two white spots below cell suffusing with a white streak below vein 1; a black line on discocellular, followed by a white fascia from veins 7 to 4, and from vein 2 to inner margin; black points in some of the reddish-brown spaces, which are also partly
black-edged; a postmedial reddish brown shade from costa to vein 4, followed by a macular black line, and then by a broad grey-brown shade crossed by a fine black line; postmedial space below vein 4 greyish brown to vein 1, then reddish brown on inner margin, followed by greyish brown shading from vein 4 to vein 1, and buff shading on inner margin, these shadings outwardly edged with black and followed by a silvery opalescent shade; outer margin dull dark brown outwardly edged with opalescent scaling, and containing small fuscous spots below vein 4 and vein 3; the tails and a terminal buff line from vein 4 to anal angle edged on either side with black; from vein 4 to apex the terminal line is reddish brown, preceded at apex by a short white line.

**Expanses 24 mm.**

**Hab.** Carillo.

**Near C. chrysus Cr.**

**Charis turrialbensis, sp. n.** (Pl. LIII. fig. 13.)

♂. Body above fuscous. Wings dark brown, with antemedial and postmedial fuscous shadings on interspaces. Fore wings: cilia at tornus orange-red. Hind wings: a black line on disco-cellular; a subterminal greyish buff shade from vein 6 to anal angle, crossed by a black macular line, preceded below vein 3 by a large brown spot, some reddish brown shading on inner margin at angle. Fore wings below orange-red; a pale buff triangular spot on costa near middle with its apex on median at vein 3, edged with silvery blue; similar metallic scaling on costa near base, and two inborn lines across cell; below cell and vein 2, medial, postmedial, and subterminal pale greyish shades, the intermediate red portions edged and suffused with black; a black line on disco-cellular, followed by metallic spots; below vein 5 a macular black line; outer pale greyish spots, followed above 5 and 6 by silvery streaks, preceded by silvery spots and some black edging, below vein 5 the greyish spots are inwardly edged with black, outwardly with metallic scaling and black edging; a marginal metallic line interrupted by veins. Hind wings below orange-red, divided by metallic antemedial, medial, and postmedial irregular lines, with some short black lines and spots in reddish portions; outer margin broadly pale greyish irrorated with brown; a marginal metallic line finely edged outwardly with black, and preceded by some black below veins 4 and 3; a terminal black line, also edging tails.

**Expanses 21 mm.**

**Hab.** Turrialba, 6000 feet.

**Fam. Lycaenidae.**

**Thecla hypocrita, sp. n.** (Pl. LIII. fig. 6.)

♂. Body dark brown mottled with bluish grey hairs and irrorations. Fore wings fuscous brown, except a pale blue space
occupying basal half of cell, space below to inner margin, and just above vein 2 to near subterminal space; a pale brown patch of coarse scales at end and beyond cell. Hind wings pale blue; outer marginfuscous brown; inner margin whitish, becoming fuscous towards anal angle; cilia brown tipped with grey. Fore wings below fuscous; costal margin broadly whitish, postmedially to vein 4; some brown mottling at base of costa; a brown medial fascia to median and end of cell enclosing a white line on discocellular; an outer and a subterminal oblique broad brown line to vein 5; outer margin narrowly white crossed by a fine marginal brown line. Hind wings below yellowish white, crossed by broad brown lines; a fuscous basal space, outangled on median; the inner margin broadly irrorated with fuscous and pale brown; medial and postmedial lines vertical, angled at vein 2 and inbent to inner margin; a subterminal brown shade suffusing with postmedial from veins 5 to 2, then continuing to anal angle; a broken marginal brown shade; anal angle slightly lobed, no tail.

Expanse 19 mm.

Hab. Tuis, Juan Vinas.

A specimen from Cordoba, Mexico, has the lines below partly greyish, but undoubtedly belongs to this species.

Near T. dollyas Cr.

In British Museum.

Thecla subfloreus, sp. n. (Pl. LII. fig. 9.)

♂. Antennae black ringed with white. Body above fuscous, underneath white; some green scales on frons. Wings dark purple-slate colour. Fore wings: the costa, apex broadly, and outer margin fuscous brown. Hind wings: the margins narrowly fuscous brown. Wings below rich green. Fore wings paler tinged, except on costa and apex; the inner margin dark grey. Hind wings: a faint paler line on discocellular; a similar irregular outer line, black, outwardly edged with white from vein 2 to inner margin; a few red scales at anal angle, surmounted with black and white; a terminal black line at anal angle.

Expanse 20 mm.

Hab. Poas.

Thecla leos, sp. n. (Pl. LIII. fig. 7.)

♂. Palpi black and white. Head, collar, and patagia black; white lines around eyes. Thorax and abdomen above metallic blue, underneath whitish. Wings brilliant dark blue. Fore wings: apex and outer margin black, narrowest at tornus; a large black patch filling the end of cell from before middle, followed beyond cell by a small slate-coloured spot. Hind wings: the termen narrowly black; the inner margin grey. Wings below clear bright brown. Fore wings: outer line fuscous brown, outwardly edged with white, faintly outbent, slightly lunular;
inner margin greyish; a faint dark marginal line at tornus. Hind wings: outer line fine, fuscous, outwardly edged with white, more broadly on costa, vertical from veins 8 to 6, appearing incurved on account of the broader white edging, slightly outset below 6 and below 5, inset below 4, outset below 3, inset and horizontal below 2, downbent on submedian, angled and upbent to inner margin; a fine subterminal black line from vein 3 to inner margin, and darker spots at apex; a marginal red spot with black point and terminal white line between 2 and 3; a black spot with white irrorations below vein 2; a black spot at anal angle surmounted by a reddish shade.

Expanse 24 mm.

Hab. Guapiles, La Florida.

I do not know any species with which I can compare this.

In British Museum.

Thecla melma, sp. n. (Pl. LIII. fig. 4.)

♂. Palpi black, the base of joints white. Body black; some white on vertex, and white lines close to eyes. Wings deep blue. Fore wings: costa, apex, and outer margin black, the apical space reaching to near cell; a black line on discoellular. Hind wings: margins very narrowly black, slightly broader at apex. Wings below bright greyish bistre. Fore wings: an outer vertical fine fuscous line, outwardly edged with white from near costa to vein 2; a terminal fine brown line; cilia fuscous. Hind wings: a white line on discoellular; outer line black outwardly edged with white, outset on costa, almost vertical from veins 7 to 4, then inset and downbent to vein 2, forming the usual W to inner margin; subterminal lunules indicated by greyish shading from vein 7 to vein 2, followed between 2 and 3 by a large red space, outwardly broken by a triangular black space; some reddish scales above vein 3; below vein 2, marginal white irrorations; a terminal white line from vein 5 to submedian; anal lobe black inwardly edged with white.

Expanse 27 mm.

Hab. Guapiles; also Bugaba, Panama.

Thecla guapila, sp. n. (Pl. LIII. fig. 1.)

♂. Thorax and base of abdomen metallic blue, abdomen otherwise fuscous above, yellowish white below. Head brown, with white lines at eyes. Wings silky blue. Fore wings: costal margin, apex to near glandular spot, and outer margin, narrowly at tornus, black; a small black spot at end of cell followed by an oval brownish glandular spot. Hind wings: apex narrowly, and cilia black. Wings below dark brownish slate-colour. Fore wings: inner margin greyish; a fine outer fuscous line, almost vertical from below costa to vein 2, outwardly faintly pale-edged; faint traces of a dark subterminal line. Hind wings: outer line interrupted, dark brown, outwardly edged with white, inbent on
costa, vertical from veins 7 to 2, but inset between 3 and 4, angled below vein 2, and inbent to inner margin; subterminal darker spots, edged with whitish irroration, except at apex, inset between veins 2 and 3, followed by a red marginal spot, containing a small black spot outwardly; below vein 2 only a marginal brown spot irroration with white; below submedian a line inwardly edged with white and parallel with outer line; a terminal white line between veins 2 and 3; anal lobe black.

Expanse 28 mm.

_Hab._ Guapiles.

In British Museum.

**Thecla amphrada, sp. n.** (Pl. LIII, fig. 10.)

♀. Wings fuscous brown, the hind wings, and inner area of fore wings below cell glossed with slate-blue; cilia light brown. Hind wings: the terminal black line inwardly edged with white near anal angle; a small red-brown spot at anal angle; tails black tipped with white. Wings below light brown, the postmedial line dark brown outwardly edged with black and then white, very indistinctly on fore wing. Fore wings: the line vertical from costa to vein 2; an indistinct paler subterminal shade, crossed by a faint dark line; a terminal fine dark line. Hind wings: the line vertical to vein 4, constricted and slightly oblique to vein 2, upcurved and outangled on submedian; a subterminal paler shade as on fore wing, the faint line crossing it more distinctly followed on inner margin, between veins 2 and 3 and just above 3, by reddish shades; a black marginal spot between veins 2 and 3 and at anal angle; a black spot irroration with white below vein 2; the terminal dark line inwardly edged with white.

Expanse 23–25 mm.

_Hab._ Guapiles.

Near _T. politus_ H. Druce.

In British Museum.

**Subfam. PIERINE.**

**Archonia intermedia, sp. n.** (Pl. LIII, fig. 8.)

♂. Palpi yellow, somewhat fuscous at base. Head and thorax black; three whitish points on vertex. Abdomen brown; sublateral yellow line. Fore wings black, markings yellow-white; an oblique spot at end of cell, medially constricted; two diffuse spots beyond cell; elongated postmedial spots above and below vein 3, and geminate streaks below 2, all followed by marginal spots, small at tornus, elongated towards costa; a yellow and reddish streak along inner margin, not reaching base or tornus. Hind wings bright brownish red, the costal and outer margins broadly black, the inner margin finely so; the veins black; cell edged with black above and below; marginal small white spots. Underneath duller, the hind wings browner, with a brown up-

curved streak on basal half of costa; the subcostal and median broadly shaded with black; the marginal white spots larger.

♀. The markings on fore wings reduced, except the marginal spots; the hind wings reddish brown, the costa with only a black shade medially; the marginal spots larger, yellow, irroration with reddish. Underneath similar to the male.

Expanse, ♂ 60 mm., ♀ 65 mm.

Hab. Carillo.

The fore wings are like A. dismorphites Btl., the hind wings like A. nigrescens G. & S. All these forms will no doubt be found to gradually intergrade. The males are difficult to capture, flying very high in a circle, and rarely settling.

In British Museum.

PIERIS LIMONA, sp. n. (Pl. LIII. fig. 5.)

♂. Antennae black tipped with white. Head and thorax fusaceous, the latter clothed behind with white hairs. Palpi white, the third joint streaked with black. Abdomen fusaceous grey above, whitish below. Wings white, the veins broadly edged with chalky white. Fore wings: a fusaceous grey streak on basal third of costa; a small black spot on discocellular; apex narrowly black; marginal fusaceous shades, not reaching tornus. Hind wings: cilia black. Fore wings below: a large black spot on discocellular; apex greyish. Hind wings below yellowish white, the veins dark.

♀. Fore wings above with a large black spot on discocellular, and a fusaceous streak in cell at subcostal reaching it; the apex and termen more broadly black, its inner edge somewhat humular; underneath the black margin replaced by a pale lilacine grey shade. Hind wings below lilacine white, the veins brown; a postmedial brownish shade just beyond cell across veins 3 and 4.

Expanse, ♂ 75 mm., ♀ 78 mm.

Hab. Limon.

Near P. djuma Feld.

In British Museum.

ACMEPTERON POASINA, sp. n. (Pl. LIII. fig. 3.)

♂. Antennae black. Palpi grey. Head and collar dark brown. Thorax and abdomen fusaceous irroration with white. Fore wings black; median, fold, submedian, and vein 2 all basally streaked with white; spots lilacine white; a medial streak on costa; spot beyond cell, an outer spot above vein 3, and one on costa, also a small subterminal spot above 6; sometimes traces of spots on either side of upper discocellular; cilia greyish brown. Hind wings iridescent silky brown with a large medial dull brown spot; from cell behind to inner margin and termen at vein 5 black, crossed by a grey fascia; cilia yellow. Wings below as in A. cinerascens Salv., but the markings all more intense, the anal angle and inner margin bright yellow crossed by purple-brown striæ.
♀. Wings black, the markings white. Fore wings: an oblique fascia from middle of costa consisting of coalescing spots; three oblique spots from costa before apex; the outer half of inner margin with a white streak. Hind wings: a large white space occupying the greater portion of the wing, outtangled on vein 5, its hind edge straight; the base of cell and a streak below it black. Fore wings below: a white space on basal half from within cell to inner margin; costa basally lilacine; the medial fascia as above but with a yellow streak on costa; apex lilacine white, shaded with yellow on costa; termen finely yellow, preceded by light brown and greyish white shading. Hind wings below white; the base, outer half from inner margin to vein 4, and terminally between 4 and 5 lilacine white irroration with brown; the shade in cell extending somewhat, and upbent to costa; subterminal brown irroration from costa to vein 6; inner margin narrowly bright yellow, termen finely similar preceded by a narrow interrupted brown shade.

Expanse, ♂ 60 mm., ♀ 67 mm.

The male can be distinguished from A. cinerascens Salv., by the narrow grey fascia on hind wings above. The female differs in the broader black margin, the lilacine shading, and brown irroration on hind wings. A cinerascens female has the hind wings below bluish white with faint traces of darker shadings. If the two forms occurred in different localities I should not separate them specifically, but they fly together and no intergrades were found.

In British Museum.

Enantia lue costaricensis, subsp. n. (Pl. LII. fig. 2.)

♂. Like E. lue Hew., but the inner edge of black margin on hind wings near apex is straight, not dentate; underneath the spots are larger and more confluent. The wings are also broader.

Expanse 62 mm.

Hab. Cachi.

Fam. Hesperiidae.

Telemiades Mnemon, sp. n. (Pl. LIV. fig. 1.)

♂. Palpi white below, black above with yellow scales at tip of second joint. Head and collar black mottled with yellow. Thorax and abdomen brown. Fore wings dark brown, the base to near middle thickly irroration with yellow-brown hairy scales; similar scaling subterminally, expanding at tornus, also a few similar scales beyond cell; medial space below cell tinged with blue-black; spots semihyaline yellowish; a large spot in end of cell, its outer edge incurred; a narrow vertical postmedial spot between veins 2 and 3, and a small spot above 3, slightly outset; three small outer spots below costa, and two subterminal between veins 4 and 6. Hind wings with only the costal margin, a postmedial macular shade, and terminal spots fuscous brown, otherwise overlaid with yellow-brown hairy scales. Fore wings below
dull fuscous brown; the inner margin tinged with grey; some yellow scaling at base, below costa, and in cell. Hind wings below dull brownish yellow; the outer margin broadly dark brown; some brownish-yellow scaling subterminally from vein 3 to inner margin.

Expanse 28 mm.

Hab. Zent district.

NASCUS PHINTIAS, sp. n.

♂. Palpi white tipped with black above. Head and collar fuscous mottled with olive-brown; white points laterally on head. Thorax and abdomen shaded with orange-brown. Fore wings fuscous brown, the base and inner margin shaded with orange-brown; spots semihyaline whitish; a spot at end of cell, outwardly produced in front; a large postmedial spot between veins 3 and 4, and a smaller one below 2; an outset large spot between veins 3 and 4, and a point between 4 and 5; a curved outer series of spots between veins 6 and 10. Hind wings orange-brown, the costal margin broadly fuscous, the termen narrowly so; a fuscous line on discocellular; a broader postmedial line not reaching inner space. Wings below brown-black. Fore wings: the base shaded with yellow-white; short whitish streaks above cell-spot. Hind wings: the basal half and inner margin for two-thirds pale yellow; a thick black line on discocellular.

Expanse 55 mm.

Hab. Guapiles.

The female of this species is figured in the Appendix to the 'Biologia' as a variety of N. phocus Cr., but the discovery of the male proves it to be a distinct species.

CYCLOSAEMIA SUBCAERULEA, sp. n. (Pl. LIV. fig. 14.)

Body fuscous brown. Wings dark greyish brown, the markings fuscous brown; a postmedial and marginal broad line, somewhat macular, also a similar medial line on hind wings. Fore wings: the costa and termen broadly shot with green, the veins more vividly so towards apex, but only noticeable in a certain light; a large black spot in cell at end, faintly edged with paler brown, and containing two bluish-white points. Fore wings below dark brown shot with green; the inner margin shaded with grey; a fuscous shade in end of cell; a postmedial fuscous shade. Hind wings below bright blue; the costa, apex narrowly, and cilia dark brown.

Expanse 31 mm.

Hab. Saxola, Guapiles.

In British Museum.

ECHELATUS LUCINA, sp. n. (Pl. LIV. fig. 8.)

Body fuscous brown, the vertex and collar glossed with green. Wings fuscous brown. Fore wings glossed with purple; an ante-
medial and a postmedial fuscous shade, the latter slightly outcurved below costa, vertical below vein 4. Hind wings with fainter purple gloss, except a streak below cell from base to termen; a fuscous shade at end of cell, and a similar postmedial shade. Wings below paler brown, the lines as above, dark brown; the antemedial on fore wings replaced by a dark brown shade from near base to middle, except on inner margin, which is whitish grey at base.

Expanse 37 mm.

_Hab._ Guapiles.

**Ate canace, sp. n.** (Pl. LIV. fig. 17.)

♂. Body and wings fuscous brown. Fore wings: a semi-hyaline point medially between vein 11 and costal vein; a similar outer point between veins 8 and 9, and one below 8 slightly inset. Hind wings: outer margin broadly blue from vein 6 to inner margin; cilia fuscous brown. Fore wings below duller. Hind wings below blue; inner margin whitish blue; costal margin and apex to vein 6 dull fuscous brown; a similar downbent streak from vein 2 to anal angle.

Expanse 23 mm.

_Hab._ Carillo.

**Bolla sodalis, sp. n.** (Pl. LIV. fig. 12.)

♀. Palpi brown mottled with buff and white. Body fuscous brown. Wings brown slightly irroration with lighter brown and buff. Fore wings: a fuscous shade on discocellular followed by a faint paler brown shade; three outer white hyaline spots below costa, straight and obtusent; three similar postmedial vertical fine streaks between submedian fold and vein 4; a faint subterminal paler brown shade cut by darker veins. Hind wings: a faint subterminal paler brown shade narrower than on fore wings. Wings below duller brown; the subterminal shade on fore wings narrow; hind wings irroration with buff-brown; a small pale brown spot in cell; a streak on discocellular, some small postmedial spots near inner margin, and the subterminal spots all very indistinct.

Expanse 29 mm.

_Hab._ El Alto.

Nearest _B. cylindrus_ G. & S.; smaller, the spots also smaller; the outer spots in a straight line and oblique.

**Bolla machuca, sp. n.** (Pl. LIV. fig. 4.)

♂. Body above fuscous brown; some greyish white hairs in front of antennae; some yellowish white hairs on abdomen. Throat white; fore femora grey. Abdomen below greyish brown. Fore wings fuscous brown; outer margin faintly paler, forming a subterminal line with darker marginal spots on interspaces; three white points outwardly between veins 6 and 9.
Hind wings dark brown; large postmedial and marginal fuscous brown shades, all indistinct and confused. Fore wings below dark greyish brown; a broad darker postmedial shade; the costa tinged with iridescent green; the white points as above. Hind wings below dark brown; some white irrorations on basal half, and more thickly along inner margin; traces of a darker postmedial shade, and small marginal spots.

Expans 26 mm.

Hab. San Mateo.

In British Museum.

**Butleria lethrea, sp. n.** (Pl. LIV. fig. 15.)

♂. Palpi black mottled with yellowish hairs. Body above black; some orange hairs on abdomen; abdomen below yellow. Fore wings fuscous brown; a large orange-yellow spot just beyond middle between veins 2 and 4, extending into end of cell, and slightly below vein 2; a small oblique similar spot outwardly below costa; cilia dark brown. Hind wings black; cilia and a large spot occupying middle of wing orange-yellow. Fore wings below deep yellow; cell to near end black, extending at base below cell; a broad black fascia beyond cell, not reaching costa, outbent above vein 4, and downturned to inner margin at tornus. Hind wings below yellow; some black scaling at base of inner margin.

Expans 20 mm.

Hab. Pons.

Near B. lalage Godm.

In British Museum.

**Butleria lysis, sp. n.** (Pl. LIV. fig. 2.)

♂. Body above black; abdomen below yellow. Wings dark brown, spots yellow. Fore wings: a spot between veins 2 and 3, just beyond middle, surmounted by a triangular spot in cell; a point between veins 3 and 4 postmedially, and a short oblique line outwardly below costa. Hind wings: a large spot in middle of wing from within cell. Fore wings below fuscous; costal margin yellow-brown, the extreme edge black; termen finely yellow expanding at apex; the yellow discal spot extending below vein 2 and expanding along submedian. Hind wings below whitish yellow, the veins brown except the discocellular and base of vein 5, the brown on veins 2 and 4 suffusing somewhat towards cell; cilia brown.

Expans 23 mm.

Hab. Turrialba.

Near B. fuala Godm.

**Lerodea ? rupilius, sp. n.** (Pl. LIV. fig. 10.)

♀. Palpi pale brown tipped with white. Body above and wings dark brown; body below whitish grey. Wings: spots
semihyaline white; outer half of cilia greyish white with small dark brown spots at veins. Fore wings: a large spot at end of cell, and one postmedially between veins 2 and 3; a smaller outset spot between 3 and 4; three outer small spots obliquely between veins 6 and 9; a more opaque spot above submedian beyond middle. Hind wings: a postmedian spot below vein 6, crossed by vein 5. Fore wings below similar, the costa irroration with yellowish and white, the apex and termen to vein 2 with white; the spot above submedian replaced by a large white shade. Hind wings below thickly irroration with greyish white; small whitish spots antemedially and postmedially below costal vein; a similar spot at end of cell; a small postmedial spot between veins 2 and 3, and a linear spot below vein 2; the spot below vein 6 as above; the postmedial spots connected by a fine brown shade, and a similar faint shade below end of cell.

Expanse 36 mm.

_Hab._ Guapiles.

The only species I know approaching this is one in the Godman Collection labelled "phyllus Mab." Without a male the position is uncertain.

**Styriodes, gen. nov.**

♂. Antennae two-thirds as long as costa. Fore wings: costal margin slightly sinuous; apex acute; termen rounded below apex; vein 2 from middle of cell; 3 near lower angle; 4 and 5 from lower angle, the latter upcurved at base; 6 to 9 evenly apart; 10 and 11 wider spaced; a downcurved brand below median from vein 3 to below vein 2; a small medial brand above submedian. Hind wings: anal angle slightly lobed; vein 2 beyond middle of cell; 3 and 4 from lower angle apart; 6 and 7 from upper angle.

Type of genus, _Styriodes lyco_ Schaus.

**Styriodes lyco**, sp. n. (Pl. LIV. fig. 19.)

♂. Body and wings above fuscous brown. Fore wings: brands black; cilia tipped with yellow-ochre, wider at tornus. Hind wings: cilia tipped with yellow-ochre, except at anal angle. Wings below dark reddish brown, the inner margin of fore wings dull dark brown; a fuscous brown shade in cell behind and below it.

Expanse 28 mm.

_Hab._ Poas.

**Rhinthon luctatius**, sp. n. (Pl. LIV. fig. 9.)

♂. Body above black, the head shaded with dark metallic green; abdomen below with two yellowish white lines. Wings fuscous brown. Fore wings: a very small greyish white postmedial spot between veins 2 and 3, and one between 3 and 4 outset. Wings below not quite so dark. Fore wings: the two spots whiter, better defined; a postmedial greyish brown shade
below vein 2. Hind wings: postmedial buff points between veins 2 and 4.
  Expanse 44 mm.
  Hab. Guapiles, also Santa Rosa, Mexico.
  In British Museum.

**Cobalus nigrans, sp. n.** (Pl. LIV. fig. 5.)

♂. Palpi and thorax fuscos black mottled with pale yellow; abdomen below with two fine whitish lines. Wings black-brown. Wings below duller. Fore wings: a faint greyish white postmedial line between veins 2 and 3, and a small outset spot above 3; tornus shaded with fuscos grey. Hind wings: an orange point in cell at end; similar outer points between veins 3 and 4, and just below 6.
  Expanse 30 mm.
  Hab. Guapiles.

**Cobalus laurulolus, sp. n.** (Pl. LIV. fig. 3.)

♂. Body fuscos clothed with dark brown hairs; the palpi mottled with some whitish yellow hairs; abdomen below greyish brown. Fore wings: veins medially tinged with fuscos. Hind wings: basal half rather darker shaded. Wings below paler brown. Fore wings: basal third except costa shaded with fuscos; a triangular shade on costa near apex preceded by faint greyish points between veins 6 and 9; tornus faintly paler shaded. Hind wings: base, a postmedial fascia, and large marginal spots from apex to vein 2 darker brown; a terminal darker brown line.
  Expanse 35 mm.
  Hab. Guapiles.

**Cobalus lateranus, sp. n.** (Pl. LIII. fig. 3.)

♂. Palpi fuscos inwardly shaded with white. Body and wings fuscos brown. Fore wings: spots semihyaline, white; a large irregular spot at end of cell; a large postmedial spot between veins 2 and 3, and a small outset spot above 3; three small outer spots below costa, outbent, the largest between veins 6 and 7; a small postmedial white spot above submedian. Fore wings below fuscos, the costa, apex, and termen shaded with olive-brown; the spot above submedian larger. Hind wings below dark olive-brown; a white spot in end of cell; a white point subterminally between veins 3 and 4.
  Expanse 32 mm.
  Hab. San Mateo.
  The fore wings above are like *C. gabina* Godm.

**Cobalus pindar, sp. n.** (Pl. LIV. fig. 18.)

♂. Palpi olive-yellow irrorated with brown. Body and wings above dark brown; abdomen below yellowish bistre. Fore
wings: spots semihyaline whitish brown; a large spot between veins 2 and 3, its outer edge incurved; a small spot between 3 and 4; three small spots between veins 6 to 9 in a straight outbent line from costal; cilia tipped with bistre grey. Hind wings: a yellow postmedial hyaline point between veins 3 and 4. Fore wings below fuscous brown, the costal margin broadly, and cell shaded with yellow-brown, the spots as above; a whitish postmedial shade above submedian. Hind wings below brown; a small faint fuscous shade at discocellular, and similar spots postmedially from veins 2 to 7, the one between 3 and 4 showing the semihyaline point.

Expanse 29 mm.

Hab. Port Limon, Juan Vinas.
In British Museum.

Cobalopsis latonia, sp. n. (Pl. LIV. fig. 16.)

♂. Body fuscous brown; palpi above whitish grey; abdomen below pale buff. Wings dark brown. Fore wings: a fine short whitish inbent streak below discocellular; a small white postmedial spot between veins 3 and 4, also above and below vein 7. Hind wings: the veins fuscous. Fore wings below fuscous in cell and postmedially below vein 3, the inner margin irroration with greyish; costa, apical space, and termen yellowish brown. Hind wings below yellowish brown; a fuscous shade near inner margin expanding at anal angle; five bluish white postmedial spots from veins 2 to 7.

Expanse 33 mm.

Hab. Juan Vinas, Cachi.
In British Museum.

Œnus nausiphanes, sp. n. (Pl. LIV. fig. 6.)

♂. Palpi mottled whitish grey and dark brown. Body fuscous brown; abdomen below whitish grey; legs yellow-brown. Wings dark brown. Fore wings: the brand fine, black, inbent from vein 3, and downcurved to submedian; some yellowish scaling on costa; cilia tipped with grey. Hind wings: cilia yellow-grey. Fore wings below fuscous at base, in, and below cell; costa yellowish brown; terminal half dull brown. Hind wings dull brown; a broad medial whitish shade, widest on costa and not reaching inner margin which is simply irroration with whitish grey.

Expanse 25 mm.

Hab. Poas.
In British Museum.

Megistias xantho, sp. n. (Pl. LIV. fig. 13.)

♂. Body fuscous mottled with brown hairs. Wings fuscous brown. Fore wings: a yellow-brown streak on costa from base to just beyond middle; a similar streak above submedian medially extending towards base; a few similar scales outwardly beyond
cell, outbent along vein 6, vertical to below 5, inbent, expanding, forming a spot between 4 and 3, and a larger spot between 3 and 2; cilia light brown spotted with black. Hind wings: some yellow-brown hairs at base and on inner margin; a broad similar postmedial shade not reaching margins; the spots on cilia narrow, barely traceable. Fore wings below fuscous; veins on costa, and terminally, also a streak in cell, yellowish; a postmedial yellowish spot between veins 3 and 4, a vertical outer streak below costa, and streak subterminally from veins 6 to 4; a terminal yellowish line; base of cilia and spots black. Hind wings below greyish tinged with lilacine, the veins yellowish; an outcurved dark brown medial fascia, and large terminal spots, not reaching inner margin.

Expanse 20 mm.

Hab. Juan Vinas.

In British Museum.

**Vorates coticus, sp. n.** (Pl. LIII. fig. 6.)

♂. Body above and wings dark brown; throat whitish; thorax below greyish; abdomen below yellowish white. Fore wings: costal streak to beyond middle bright olive-brown; a similar streak above and below submedian to middle, followed above submedian by a small yellow spot; a yellow streak below median from veins 2 to 3; a small spot between 3 and 4; an outer yellow point between veins 6 and 7. Hind wings shaded with bright brown, and olive-brown hairs. Fore wings below fuscous brown; yellow marking between veins 2 and 4 as above; costa and veins terminally yellow, the streaks longest at apex. Hind wings below dull dark brown, the veins all yellow; a streak through cell, and a broad yellow streak below cell and vein 2.

Expanse 24 mm.

Hab. San Mateo.

**Molo xerophonem**, sp. n. (Pl. LIV. fig. 7.)

♂. Palpi orange-brown tipped with black. Body fuscous partly clothed with golden-brown hairs; abdomen below yellowish with a black ventral line. Fore wings black, except base of costal margin to near middle, cell, inner margin to beyond middle, postmedial spots from submedian to vein 4, a small outer spot above 4, and spots above and below vein 7, which are orange-brown; a slight fuscous streak in cell. Hind wings orange-brown; costal margin broadly black with a medial inbent projection; inner margin broadly black; a broad black streak below cell to middle of wing; a fuscous shade on termen towards anal angle. Fore wings below deep yellow; some black on base of cell; a broad black shade below cell, upbent on discocellular; termen black from vein 2 to inner margin; apex shaded with reddish, the outer spots at vein 7 larger. Hind wings below yellow on basal half; the inner margin broadly black.
irrorated with yellow-brown; outer half reddish with oblong outer yellow spots from vein 6 to below vein 2; subterminal fuscous shading between veins 2 and 4; a darker streak just beyond cell between 4 and 6.

♂ fuscous brown; a small yellow spot at upper angle of cell; traces of some postmedial yellowish spots. Fore wings below fuscous; costal margin yellowish; apex tinged with dull reddish; a yellow spot at end of cell; a large postmedial yellow spot below vein 2, and smaller spots above 2 and 3; small yellow outer spots above and below vein 7. Hind wings below as in male, the terminal space duller red, limited by a yellow streak before the fuscous inner space.

Expans, ♂ 27 mm., ♀ 33 mm.

Hab. Carillo.
The female from the Bejuco river, Panama.
Near M. hecera Hew.

Molo ? apella, sp. n. (Pl. LIII. figs. 4, 5.)

♂. Palpi, head, collar, and patagia orange-brown. Thorax and abdomen fuscous, the latter with orange-brown hairs laterally; underneath yellowish. Wings black, the cilia and markings orange-brown. Fore wings: the costal margin broadly orange-brown, entering cell, narrowing towards black apical space; a fascia from vein 8 narrow and outangled between veins 5 and 6, then broader and expanding to middle of inner margin, cut by black veins. Hind wings: base and inner margin clothed with orange-brown hairs; a broad postmedial fascia, not reaching apex or inner margin. Wings below brownish yellow; some terminal black points. Fore wings: the outer margin broadly darker with subterminal black shadings from vein 3 to inner margin; a black space on basal third below cell; a fine black line on discocellular. Hind wings: antemedial, postmedial, and terminal darker shadings on interspaces.

♀. Wings above tinged with brown, the fascia much reduced, more macular, yellowish; the costa of fore wings with some yellowish irrorations. Wings below dark olive-brown, the veins paler; the postmedial fascia on fore wings broad, as in male, but yellower. Hind wings with postmedial dull yellowish spots on interspaces.

Expans, ♂ 37 mm., ♀ 45 mm.

Hab. Carillo.
The male above is very much like M. ? lumeralis Mah., but differs considerably on the underside of hind wings.
In British Museum.

Carythus subrefascens, sp. n. (Pl. LIV. fig. 11.)

margin at base shaded with reddish; spots semihyaline whitish yellow; a streak in end of cell above median, and a spot below it to vein 2, its outer edge incurved; an elongated postmedial spot above vein 4, and a smaller spot below it; small outer spots between veins 6 and 8; a small yellowish spot above submedian just beyond middle; cilia yellowish at tormen. Hind wings: cilia tipped with pale yellow. Fore wings below black; the costal margin, apical space beyond cell, and termen to vein 2 brownish red; a yellowish white shade medially above submedian. Hind wings below brownish red; veins finely pale yellow; a fuscous shade from base before fold, expanding at anal angle.

Expanse 36 mm.

Hab. Guapiles.

Near C. commodus Plötz, distinguished by the pale veins on hind wings below.

**Epinosis, gen. nov.**

♂. Palpi upturned, hairy. Antennae more than half the length of fore wing, thickened towards end which is curved and pointed. Wings broad. Fore wings: outer margin evenly curved; vein 2 from middle of cell; 3 close to lower angle; 4 from lower angle; 5 from below middle of discocellular, which is slightly oblique; 6, 7, 8 close together; a narrow brand below median from vein 3 to 2. Hind wings: veins 3 and 4 from lower angle slightly apart; 6 and 7 from upper angle.

Type of genus, *Pamphila angularis* Möschl. = *Hesperia parvipuncta* Möschl. *fide* Godman. (Pl. LIII. fig. 1.)

A common species in Costa Rica not mentioned in the ‘Biologia’, and agreeing perfectly with other specimens from the Guianas.

**Falga? Hermione, sp. n.** (Pl. LIV. fig. 20.)

♂. Palpi black, the second joint with a lateral white shade. Body above fuscous with orange-brown hairs; abdomen below yellowish white with a fine interrupted medial and outer black line. Fore wings black; base of costa shaded with brown; subcostal broadly orange-brown, not reaching apex, beyond cell with short upbent lines; a broad postmedial orange-brown shade inbent from vein 4 to submedian, its edge uneven, and joined by a similar streak below cell; cilia orange-brown partly spotted with black, entirely black at apex. Hind wings and cilia orange-brown, the margins black; a black streak from base near inner margin. Wings below orange-brown. Fore wings: a black streak through cell, and on interspaces above and below vein 5; tormen black; subterminal black spots on other interspaces, and streaks on costa towards apex. Hind wings: a terminal black line; a streak below cell and vein 2, and one at apex; subterminal black spots above and below vein 3.
The female has the orange-brown on fore wings more restricted.

**Expanse 26 mm.**

*Hub. Carillo.*

*In British Museum.*

### EXPLANATION OF THE PLATES.

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