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XXXIX.—New species of Heterocera from Costa Rica.—XXI

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(29) *Polygrammodes brunneivena*, sp. n.*Glyphodes nervosa*, Warr. Trans. Ent. Soc. 1889, p. 262, ♀ (nec ♂).

♀. Head, thorax, and abdomen yellowish white, the back of head and tegulæ tinged with orange, the patagia slightly tinged with brown; antennæ brown; abdomen with slight dorsal brown streak towards base. Fore wing semihyaline white, the veins pale red-brown, the costal area creamy white and thickly scaled; cilia pale red-brown. Hind wing semihyaline white, the veins and cilia pale red-brown.

Hab. BRAZIL, Amazons, Solimoes R., Uananaá (*Trail*), 1 ♀ type. *Exp.* 46 mm.

(30) *Polygrammodes phæocraspis*, sp. n.

♂. Head, thorax, and abdomen white, the back of head tinged with orange; antennæ fuscous; fore tibiæ brown above, the tarsi tinged with brown. Fore wing semihyaline white, the veins brownish, the costal edge fuscous. Hind wing semihyaline white, the veins brownish.

Hab. PERU, 1 ♂ type. *Exp.* 40 mm.

[To be continued.]

XXXIX.—*New Species of Heterocera from Costa Rica*.—XXI. By W. SCHAUS, F.Z.S.

Geometridæ.

Subfam. BOARMINÆ.

Semiothisa pandaria, sp. n.

♀. Head and abdomen brown tinged with yellow. Thorax lilacine grey. Wings grey, with darker grey striæ and fuscous irrorations, the lines yellow-brown; fine terminal fuscous-brown shading; cilia light brown. Fore wings: antemedial line faint, slightly outcurved; medial line darker, well marked, vertical; postmedial faint, more yellowish, outcurved on costa, followed by a vertical dull brown shade, its outer edge slightly outcurved between veins 7 and 5 and outwardly darker shaded from vein 4 to inner margin; termen brown; subterminal line pale; the apex slightly greyish. Hind wings: outer margin bluntly angled, the lines as on fore wings, but the termen not so brown. Fore wings below yellow striated with fuscous grey; the medial line fine; a fuscous line on discocellular; a fuscous outer

vertical shade; the outer margin brown; a white shade at apex, crossed by fuscous-grey striæ. Hind wings yellow except postmedial space between veins 4 and 6, inner margin postmedially, and outer margin, which are white; the wing heavily striated with fuscous grey; medial line distinct; outer line fuscous, outwardly broadly edged with brown.

Expanse 24 mm.

Hab. Guapiles.

Apicia deoia, sp. n.

♂. Antennæ simple. Body and wings buff; collar slightly darker; a few dark irrorations on abdomen and wings; abdomen shaded with greyish brown on terminal half. Fore wings: the veins and lines yellow-brown; a black point at base below cell; antemedial line outangled in cell, inbent, sinuous, with dark points on veins, the angle connected by a fine yellow-brown line with a black point on middle of discocellular; postmedial line sinuous, inbent to before middle of inner margin, followed by two dull greyish-brown parallel lines, the inner line with black points on veins; a subterminal line of ground-colour indicated by yellow-brown shadings on either side; apex acute, outer margin outbent. Hind wings: some darker striæ on basal half; a dark point on discocellular; the lines beyond as on fore wings, but straighter. Wings below paler, thinly darker irrorated; discal points black, more pronounced, larger on fore wings, where the lines are all indicated; the outer line fuscous from vein 6 to inner margin, punctiform from vein 4 to costa. Hind wings: the lines very faintly indicated; the outer line followed by a series of black points on veins.

Expanse 35 mm.

Hab. Turrialba, 5800 feet.

Apicia demoleon, sp. n.

♂. Antennæ simple. Wings broad, the outer margins slightly rounded. Frons fuscous. Vertex and body brown, the collar darker shaded. Wings brown, with black striæ; cilia reddish brown at base, tipped with greyish brown; outer line straight, reddish brown, outwardly pale-edged, with white points on veins; subterminal fuscous spots on veins 3 and 5 and on submedian. Fore wings: an antemedial reddish-brown line, inwardly pale-edged, almost vertical; a small greyish spot in cell before end. Wings below greyish brown, thinly irrorated with fuscous brown; black points on

discocellulars ; an outer whitish line, punctiform towards costa of fore wings.

Expanse 28 mm.

Hab. Poas.

Pyrinia selecta, sp. n.

♂. Frons brown. Vertex, collar, and thorax olive-buff; abdomen paler, with some brown irrorations. Fore wings whitish, with some olive-brown striæ; basal half tinged with brown and more thickly striated, the striæ fuscous on costa and irrorated with grey-white; a broad dark olive-brown medial line from costa to just above submedian, inbent, its inner edge irrorated with grey-white; a dark line on discocellular and postmedial streak from vein 3 to inner margin; an outer dark spot on costa, outbent, and small subterminal spot between veins 4 and 5; termen shaded with fuscous and greyish white except between veins 3 and 5; cilia dark brown. Hind wings buff-white, striated with pale olive-brown, suffusing and forming a postmedial line. Wings below yellow, striated with brown, chiefly at base. Fore wings: medial line forming three spots filled in with greyish white; the outer spots and terminal shading as above, but brown, the latter irrorated with grey-white. Hind wings: a macular postmedial brown line and shade at apex.

Expanse 25 mm.

Hab. Juan Vinas.

Pyrinia punctilinea, sp. n.

♀. Head dark brown. Body and wings yellow-brown, the latter with purplish striæ and irrorations; cilia reddish brown. Fore wings: a medial brown spot on costa and traces of a fine brown line, shaded with faintly iridescent scaling; an outer row of dark brown points on veins outwardly connected by a faint iridescent shade, followed by a dusky shade, on costa linear followed by a lilacine shade and an inbent brown spot; termen tinged with lilacine, slightly iridescent. Hind wings: a postmedial dark brown line outwardly shaded with iridescent scaling. Wings below deep yellow, irrorated and striated with bright reddish brown, the outer margins red; traces of a fine postmedial line. Fore wings: a broad subterminal dark purple shade, paler near its inner edge. Hind wings: an interrupted subterminal reddish-brown line.

Expanse 29 mm.

Hab. Juan Vinas.

Easily distinguished by the punctiform outer line

Pyrinia rufinaria, Schs., described in Ann. & Mag. Nat. Hist. 1912, x. p. 232, is *P. fridolinata*, Obt., the latter name having priority.

CATACRISMIA, gen. nov.

Male.—Palpi short, porrect, the third joint downbent. Antennæ simple, minutely serrate on terminal third. Legs smoothly scaled. Wings broad. Fore wings: apex acute, outer margin produced, rounded, crenulate; cell half the length of wing; vein 3 before lower angle; 4 from lower angle; 5 from middle of discocellular; 6 from upper angle; 7–10 stalked from just beyond middle of cell; 11 close to stalk. Hind wings: outer margin rounded, crenulate; vein 3 before lower angle; 4 from lower angle; 6 and 7 diverging before upper angle; upper side from base to beyond cell, and inner margin thickly covered with long hairy scales.

Type of genus, *Catacrismia hirsutaria*, Schs.

Catacrismia hirsutaria, sp. n.

♂. Palpi, head, and collar in front reddish brown mottled with creamy buff. Collar behind and thorax grey; abdomen light reddish brown, shaded with grey terminally; a dark red transverse line at base. Wings grey, with some fine brownish striæ marked with minute black points; traces of a fine dark terminal line; cilia roseate brown, with darker shadings. Fore wings: an antemedial brown line outangled in cell; an outer row of dark points on veins; extreme costa buff. Hind wings: a broad fuscous line at base, the space beyond to postmedial reddish brown except above vein 7; postmedial line thick, wavy, fuscous brown; anal angle shaded with reddish brown and fuscous grey. Wings below grey tinged with roseate and striated with fuscous; black discal points; lines faintly indicated, fine; outer fuscous spots on fore wings from vein 5 to costa.

♀. Darker, tinged with brown. Fore wings as in male. Hind wings uniformly coloured like fore wings; the postmedial line very fine, indistinct; black discal points.

Expanse, ♂ 25, ♀ 27 mm.

Hab. Guapiles, Esperanza.

Anisoperas murcia, sp. n.

♂. Antennæ bipectinate. Head and thorax dark brown. Abdomen greyish brown. Wings brown striated with darker brown; costa narrowly shaded with dark grey; a few scattered whitish scales; antemedial line dark grey, outwardly

shaded with dark brown, vertical, faintly curved across submedian, preceded by whitish points on median and submedian; a black spot on discocellular in front; a dark brown postmedial line, outcurved around and near cell, slightly outbent from vein 3; subterminal line dark grey, downcurved and outbent to near termen below vein 8, angled and slightly incurved to inner margin near tornus, outwardly edged with white on costa, marked by white points on veins, and irrorated with white towards costa, inwardly edged by a fine reddish-brown line. Hind wings: a black spot on discocellular; subterminal line as on fore wings, but straighter. Wings below buff-brown, with some dark irrorations and striæ; black discal spots; subterminal very fine, marked by brown points on veins.

Expanse 35 mm.

Hab. Poas.

Paragonia lanuginosa, sp. n.

♂. Head and front of collar grey-black; collar otherwise, body, and wings brown, the latter with some fine short black striæ. Fore wings: an antemedial darker brown line, twice outcurved, vertical, with white points on veins; a black point on discocellular; a postmedial darker brown line, outcurved close around cell, then slightly outbent to inner margin; a finer outer line, inbent from a large white costal spot before apex, curved below vein 3, and outangled on submedian; the costal spot mottled with brown; a fine fuscous subterminal line, punctiform on veins; cilia dark brown, partly tipped with white. Hind wings: a black discal point; a fine postmedial line; outer line lunular, with short white streaks on veins; subterminal as on fore wings. Wings below paler, more thickly striated with black, and darker shaded between outer and subterminal lines; black discal points; apex of fore wing shaded with white.

Expanse 50 mm.

Hab. Avangarez.

Near *P. ædipodaria*, Obt.

Enoptila egeria, sp. n.

♀. Body and wings reddish brown tinged with purple; collar grey tipped with reddish brown; front of thorax greyish white; a few black irrorations and striæ on wings. Fore wings: a broad whitish line on costa, not reaching edge, irrorated with fuscous grey and with a subterminal small black spot; lines darker, faint, not reaching costa; antemedial remote from base, vertical; a black point on

discocellular; postmedial vertical, close to end of cell; some outer yellow and reddish shading, forming an interrupted line, slightly outcurved between veins 4 and 2; subterminal small black spots above and below vein 3. Hind wings: a medial vertical line to postmedial on inner margin; postmedial indicated by fine yellow and reddish shadings; subterminal black points from below vein 4 to inner margin, above vein 4 to costa faint reddish shading. Wings below roseate, with some black striæ and irrorations; the subterminal black spots as above; faint traces of fuscous lines.

Expanse 44 mm.

Hab. Juan Vinas.

Alana fumida, sp. n.

♂. Head dark grey. Body and wings roseate brown, abdomen irrorated with dark grey. Fore wings striated with dark grey, especially terminally; space below cell to inner margin shaded with smoky grey, with slightly darker antemedial and postmedial shades; a black point on discocellular; a smoky subterminal shade, broad at apex, constricted between veins 2 and 3. Hind wings with dark grey striæ, except beyond cell; a black point on discocellular; a broad basal smoky shade also along costa and at anal angle; subterminal small smoky-grey spots containing white points, upcurved towards inner margin. Wings below whitish buff; dark grey discal points; a subterminal dark shade on fore wings from costa to vein 3; dark subterminal points on hind wings.

Expanse 29 mm.

Hab. Juan Vinas.

Alcis mopsaria, sp. n.

♂. Palpi brown, fringed with grey. Frons brown, edged below with whitish grey. Vertex and abdomen whitish grey, the latter irrorated with brown and crossed by dark brown lines, the basal segment clearer white. Wings white, with fine brownish-grey striæ; terminal black spots on interspaces; cilia tinged with brown at base; subterminal line white, indicated outwardly by suffusing striæ, inwardly by fuscous spots somewhat interrupted on fore wings; postmedial line fine, dark brown, lunular, with short darker streaks on veins. Fore wings: a fine antemedial inbent line, punctiform on veins, originating from a fuscous spot on costa; medial line faint, with well-marked points on median and submedian and a large spot on costa; a dark streak on discocellular. Hind wings: a fine antemedial brownish shade;

a small brown discal spot. Wings below whitish; black terminal spots; small discal spots. Fore wings tinged with grey except postmedially; a broad fuscous-grey shade along outer margin, not quite reaching termen.

Expanse 37 mm.

Hab. Juan Vinas, Avangarez.

Near *A. mollearia*, Wlk.

Alcis lurida, sp. n.

♂. Frons, collar, and thorax grey; vertex and abdomen whiter, the latter with transverse pale brown shades. Wings white tinged with grey; terminal black points on interspaces; cilia partly mottled with pale brown. Fore wings: a sub-basal grey-brown line, angled on costa, closely followed by the fine black antemedial line; a fine grey line edging some white scales on discocellular, wavyly inbent below it; some greyish striæ on costa and beyond cell; postmedial line fine, black, wavy, vertical from costa to vein 5, where it is bluntly outangled, inbent to near discocellular, incurved below vein 2, followed throughout by a pale brown shade, expanding to subterminal on costa; subterminal line lunular, dentate, white, defined by greyish shadings; termen shaded with grey, darkest between veins 4 and 7. Hind wings: a thick black basal line; a fine grey antemedial line, downcurved on inner margin; raised white scales on discocellular; post-medial line fine, black, upcurved from fold, touching discocellular, followed by a narrow pale brown shade; subterminal as on fore wings; the veins terminally shaded with yellow-brown. Wings below white. Fore wings: some black striæ on costa; discocellular broadly edged with fuscous; a broad terminal fuscous shade, with a small white shade at apex and terminally between veins 3 and 4. Hind wings: traces of terminal black points.

Expanse 34 mm.

Hab. Sixola.

Melanolophia fugitaria, sp. n.

♀. Head whitish grey. Body whitish brown, the collar and abdomen with slightly darker shadings. Wings bone-colour. Fore wings shaded with pale olive-brown; fuscous-brown striæ, more numerous on outer margin; lines fine, fuscous grey, mottled with brown; antemedial line inangled on subcostal, outangled close below it, and inbent to inner margin; medial line outangled on subcostal and on submedian; a black point on discocellular; postmedial line inbent, faintly curved, followed by a fuscous shade above and

below vein 4; subterminal fuscous spots from costa to vein 5; a marginal fuscous shade from above vein 4 to above vein 6. Hind wings shaded with pale olive-brown except before postmedial line, the shading striated with fuscous brown; antemedial line thicker; a black spot on discocellular; postmedial line fine, slightly wavy; subterminal fuscous spots; a dark terminal line. Wings below duller; a broad subterminal fuscous shade, reduced to spots on hind wings below vein 4; termen broadly whiter; the lines all present; black discal points.

Expanse 36 mm.

Hab. Juan Vinas.

Gazena friaria, sp. n.

♂. Head, collar, and thorax brownish grey; thorax behind and abdomen whiter, the latter shaded with grey-brown and with brownish irrorations; black transverse lines on segments, dorsally interrupted at base. Wings white, with a few brown irrorations; a terminal fuscous-brown line, expanding on interspaces; cilia white, crossed by a wavy grey-brown line, and with greyish shadings at veins. Fore wings: the base brownish grey; antemedial line black, slightly inangled on subcostal, inbent below median; a black medial line, outbent on costa, edging finely a grey discocellular space, incurved below cell, somewhat punctiform, closely followed by a narrow, parallel, greyish shade; postmedial similar, inbent, sinuous, followed by greyish shades, except between veins 7 and 6, 4 and 2, and inner margin, where the shading is pale reddish brown; subterminal line lunular dentate, white, indicated by greyish and pale brown shadings. Hind wings: a thick black basal line, downbent on inner margin; antemedial and medial dark brown lines also downbent on inner margin, very faint towards costa; a dark grey discal spot; postmedial line as on fore wings, followed by brown shading between veins 2 and 4, the subterminal as on fore wings. Fore wings below brownish grey, almost fuscous apically; the cilia and apex narrowly white; a terminal brown line. Hind wings whitish, the veins faintly brownish; a small grey discal spot.

Expanse 30 mm.

Hab. Poas, Turrialba.

A smaller whiter form expanding 27 mm. is found on Turrialba, but a large series of specimens would be necessary before separating it.

Melanchroia tritoniaria, sp. n.

♂. Body and wings dark blue. Back of head, neck, and

front of collar orange-red. Fore wings: an oblique white fascia from vein 8 to vein 2 near termen, widest at costa; the apical space black. Wings below duller.

Expanse 29 mm.

Hab. Carillo.

Subfam. *GEOMETRINÆ*.

Oospila camilla, sp. n.

♀. Shaft of antennæ and line between them white. Frons, thorax, and abdomen above lilacine brown. Neck, collar, and front of patagia green. Body below white. Fore wings green; costa finely white; a faint antemedial brownish shade; a black point on discocellular; outer margin broadly purplish mauve, with some buff mottlings and dark striæ, its inner edge shortly excavated between veins 3 and 4, reaching vein 8 on outer space; the terminal space between 7 and 8 green; the costa terminally mottled with purple-mauve; a subterminal yellow-green spot above vein 3 and a smaller one below it; a terminal purple-red line. Hind wings green; a black point on discocellular; a purple-mauve spot on inner margin near base and a narrow similar streak along inner margin connecting it with the broad similarly coloured outer margin; the inner edge of marginal space uneven, broken along vein 4 by a green line to a subterminal yellow-green spot, which suffuses with a smaller spot below vein 3; the outer margin mottled as on fore wings, but with some darker subterminal shadings from vein 4 to costa. Wings below whitish green. Fore wings: a broad dull roseate outer shade and dark brown spots on cilia. Hind wings: a dull roseate marginal shade from apex to vein 4; a fuscous shade on cilia at veins 4 and 6.

Expanse 31 mm.

Hab. Sixola.

Very much like *Drucia latimargo*, Warr.

Subfam. *ACIDALIINÆ*.

Hyria croceimarginata, sp. n.

♀. Body and wings reddish purple, shading to black before the narrow yellow termen; cilia yellow; a fine outer darker lunular line. Fore wings: two white points on discocellular; the marginal fuscous shade reaching cilia at apex and at vein 3; the outer margin oblique from apex to vein 3, then slightly incurved. Hind wings: an interrupted white line on discocellular, shaded with red; traces of a dark postmedial line; the outer margin curved. Wings below greyish purple; cilia paler yellow; a white streak on discocellular of

hind wings; the termen very narrowly whitish on both wings.

Expanse 19 mm.

Hab. Juan Vinas.

Near *Hyria flavistigma*, Warr.

Hyria helleria, sp. n.

♀. Head, thorax behind, and abdomen dark purplish red; collar and thorax in front yellow. Fore wings acute, the outer margin oblique, yellow; cell and base tinged with grey, shading to dark reddish brown on inner margin; a still darker space medially on inner margin, crossed by a medial and a postmedial fuscous line; a black point on discocellular and some reddish-brown shading below it; a few postmedial dark irrorations and traces of terminal dark points. Hind wings rounded, reddish brown; a darker medial shade, edged by fuscous medial and postmedial lines; base of inner margin, apex, and some terminal yellow shadings; the postmedial followed by yellow spots from vein 3 to inner margin; above vein 3 the yellow spots are outset towards apex. Wings below duller.

Expanse 14 mm.

Hab. Juan Vinas.

Hyria præcellens, sp. n.

♀. Head fuscous. Collar and thorax yellow; patagia shaded with purple-brown. Abdomen above reddish purple; fine yellow segmental lines; body below yellowish. Fore wings dark reddish purple, redder on termen; a triangular medial yellow spot on costa, irrorated with red in cell; a wavy yellow outer line, outbent from costa to termen below vein 3, expanding at vein 5, and containing a red spot; inner margin from middle broadly yellow, crossed by a postmedial reddish line; an interrupted marginal yellow line on reddish portion; cilia yellow, partly mottled with red at base. Hind wings bright red; a yellow streak on discocellular; postmedial line sinuous, yellow; some subterminal and terminal yellow shading. Fore wings below similar, but duller. Hind wings below with the yellow markings more extended.

Expanse 15 mm.

Hab. Turrialba.

Near *H. radaria*, Schs.

Hyria priscilla, sp. n.

♂. Body and wings purplish red, cilia yellow. Fore wings: the termen narrowly yellow from apex to vein 4, also

from vein 3 to tornus, more broadly at vein 3, forming an angle. Hind wings: the termen yellow, more narrowly so at anal angle; the wing broad and produced at vein 4, but rounded. Underneath the same.

Expanse 14 mm.

Hab. Carillo, Guapiles.

Closely allied to *H. violescens*, Schs.; but much redder, the hind wings not angled as in that species.

Hyriagona rosinaria, sp. n.

♂. Body roseate; head, collar, and front of patagia whitish yellow. Fore wings whitish yellow; inner margin to cell, terminal third of cell, and the space beyond to postmedial roseate; a black point on discocellular; postmedial faintly indicated, greyish on costa, then as an edging to roseate space, somewhat dentate opposite cell, inbent along vein 3, angled and outbent to tornus; some subterminal roseate irrorations chiefly opposite cell; apex shaded with grey; terminal dark points at veins 3 and 4; a speck at submedian and fold. Hind wings roseate, cilia whitish; a postmedial yellow-white spot near inner margin; a fine yellowish line from termen at vein 7 to vein 3 subterminally. Hind wings long and narrow, the anal angle acute.

Expanse 15 mm.

Hab. Juan Vinas.

Haemalea macoaria, sp. n.

♂. Palpi, frons, and collar orange-brown. Vertex white. Thorax white, irrorated with orange-brown. Abdomen white, with fine orange-brown segmental lines. Wings white, with scattered fuscous-brown irrorations; lines fine, orange-brown, partly mottled with fuscous brown; a terminal fuscous-brown line; cilia whitish mottled with brown. Fore wings: antemedial line outbent on costa, vertical in cell, wavy and slightly inbent below cell; postmedial line sinuous, touching a dark streak on discocellular; outer line outbent from costa to vein 6, wavy vertical to below 3, and incurved; subterminal triangular dark spots at vein 6, above and below vein 3, and at tornus. Hind wings: a wavy medial line followed by a point on discocellular; postmedial line downcurved, sinuous; subterminal orange-brown spots, shaded with fuscous. Wings below white, the costa of fore wings shaded with orange-brown.

Expanse 17 mm.

Hab. Avangarez.

Near *H. macouma*, Schs.

Euacidalia prolixa, sp. n.

♂. Body and wings olive-grey; fuscous points on discocellular; an interrupted slightly darker terminal line. Fore wings: outer margin rounded; a dark outcurved postmedial line, followed by a parallel fainter line. Hind wings broad, produced and angled between veins 2 and 3; a fine darker postmedial line, almost vertical. Underneath similar, the hind wings thickly clothed with hair-like scales except on termen.

Expanse 22 mm.

Hab. Tuis, Guapiles, Juan Vinas.

Euacidalia subcrinita, sp. n.

♂. Body brown, the thorax tinged with purple. Fore wings with the inner margin deeply lobed, purplish brown; costal margin to postmedial and termen above vein 3 to apex yellowish; traces of a dark outcurved antemedial line; a dark spot on discocellular, followed by a yellowish-white quadrate patch, suffusing in front with pale costal margin; postmedial line fine, fuscous brown, vertical from costa to vein 3, then inbent; a faint, dark, downbent line from discal spot to postmedial; some purplish irroration on terminal yellow space. Hind wings reddish brown, the base irrorated with fuscous grey; a fine postmedial fuscous line; some faint yellowish shadings on outer margin, which is rounded; the abdominal fold filled below with long scales, covered by the fringe on inner margin; the base of wing below with long downturned hairs. Wings below paler, the hind wings yellow-brown, with reddish postmedial and subterminal lines.

♀. Wings normal, bone-colour, the outer margins broadly purplish brown, inwardly edged by a fuscous-brown wavy line; dark discal points; a fine postmedial line close to cell; an interrupted dark terminal line; paler subterminal shades. Fore wings: the base reddish brown, limited by a darker antemedial line. Hind wings: some dark irrorations on basal half. Wings below duller.

Expanse 13 mm.

Hab. Tuis, Esperanza, Banana River, Juan Vinas.

Euacidalia adipata, sp. n.

♂. Frons dark brown. Collar and thorax greyish brown. Abdomen light brown. Wings light brown, with darker purplish irrorations; an interrupted dark terminal line. Fore wings: a purplish line on discocellular, outbent, continuing to vein 2, but finer below cell, and joining the inbent sinuous outer line; traces of a dentate postmedial line from

costa to vein 6 ; the space from end of cell to costa and outer line clearer and paler ; a subterminal pale shade. Hind wings : a few darker scales on discocellular. Wings below pale roseate brown, with traces of a fine outer line ; dark lines on discocellulars. Wings shaped as in *E. subcrinita*, but the hind wings below are devoid of long hairs at base.

Expanse 13 mm.

Hab. Avangarez.

Euacidalia posides, sp. n.

♀. Frons and collar brown ; vertex white ; thorax and abdomen whitish grey, irrorated and shaded with purple. Wings whitish grey, thinly irrorated with dark grey ; a terminal dark purple-brown line ; cilia bright purple. Fore wings : a fine inbent antemedial line ; a dark line on discocellular ; postmedial very faint, outcurved ; outer line inbent, terminating at tornus ; traces of a fine subterminal line ; the outer margin very oblique. Hind wings : a dark point at upper angle of cell ; a very fine medial and postmedial line ; outer margin rounded towards anal angle. Wings below roseate white, the lines indistinct except outer line.

Expanse 17 mm.

Hab. Juan Vinas.

Euacidalia griseinitens, sp. n.

♂. Pale olive-brown tinged with shining grey ; black discal points ; very faint darker medial and postmedial lines. Wings below dull dark grey ; discal points and a subterminal darker shade. Fore wings with the inner margin straight, the outer margin obliquely curved. Hind wings rounded, with hairy scaling at base below.

Expanse 13 mm.

Hab. Limon.

Euacidalia prusias, sp. n.

♀. Body and wings grey irrorated with fuscous brown ; the lines fine, fuscous brown ; the postmedial line inbent, the space beyond to termen darker shaded ; an interrupted terminal dark line. Fore wings : antemedial line outcurved on costa ; an inbent medial line crossing a dark streak on discocellular. Hind wings : an antemedial line and dark point on discocellular. Wings below without irrorations, the lines broader, well marked ; medial and postmedial lines on both wings.

Expanse 21 mm.

Hab. Juan Vinas.

The fore wings are narrow, acute, the outer margin oblique.

Ptychopoda fractaria, sp. n.

♂. Frons black. Vertex buff-brown. Body yellowish white. Wings white tinged with yellow, the lines consisting of dark brown irrorations. Fore wings: costal margin roseate; a yellow shade on discocellular and beyond it below costa to apex; antemedial irrorations very faint; postmedial barely traceable; an outer lunular dentate line, almost vertical; some subterminal irrorations. Hind wings: a fine postmedial line close to cell; outer line lunular dentate, incurved between veins 6 and 4; a fine subterminal line. Fore wings below white, shaded with grey-brown at base and along costa, the costa itself darker; traces of postmedial and outer darker shades. Hind wings below white; a faint fine outer line.

Expanse 19 mm.

Hab. Poas.

Ania perlineata, sp. n.

♂. Frons brown. Vertex, collar, and thorax dark grey. Abdomen grey, with brownish shadings and whitish segmental lines. Wings whitish, the lines mostly dark brown; the outer margin broadly brown. Fore wings: the base shaded with grey; the costa irrorated with grey; antemedial outcurved shading, very indistinct; a fine medial line, out-angled in cell near black point on discocellular; four parallel fine postmedial lines, deeply outbent, curved across vein 7 and very oblique to inner margin; a fifth line, more fuscous, from the fourth at vein 5; a subterminal light brown line; a terminal dark brown line, inwardly edged with light brown; cilia light brown, with dark points at veins and partly dark-tipped. Hind wings: the lines straight; an antemedial fuscous-brown line; a similar coarser double medial line; the outer line interrupted by a black point on discocellular; three postmedial dark brown lines and an outer fuscous line; a light brown subterminal line outwardly edged with fuscous; terminal line as on fore wings; cilia whitish brown, with black points at veins. Wings below brownish yellow, the postmedial space whitish; fuscous irrorations at base and on outer margins; black discal spots; first postmedial line heavily marked, fuscous, outangled, the three lines following faintly marked; outer line heavily marked, fuscous, out-angled on fore wings, slightly sinuous on hind wings; sub-terminal indicated by fuscous-grey edging; terminal line as above.

Expanse 22 mm.

Hab. Juan Vinas.

Near *Ania flexistrigata*, Warr.

Zeuctoneura derosa, sp. n.

♂. Frons fuscous; vertex, collar, and thorax grey. Abdomen whitish, with transverse grey-brown lines. Fore wings whitish, the base, costal and outer margins faintly greyish, with fuscous irrorations; an antemedial fuscous line outcurved across costa and cell, incurved below cell and below submedian; a faint pale brownish line across disco-cellular to middle of inner margin, coarser, fuscous on costa; outer line fine, pale brown, incurved, thick, fuscous opposite cell, followed by a short parallel fuscous streak from vein 2 to inner margin, broadly edged with fuscous; a subterminal white lunular line; a terminal dark brown line. Hind wings white; some black irrorations on inner margin; a brown point at upper angle of cell; subterminal line fine, brown, coarser, darker opposite cell and near inner margin, outcurved below vein 4, followed by some brown shading and fuscous irrorations; a dark terminal line; the outer margin deeply crenulate, incurved between veins 6 and 4. Wings below whitish; a broad subterminal fuscous shade on fore wings; some subterminal spots on hind wings, distinct on costa only.

Expanse 15 mm.

Hab. Juan Vinas, Carillo; also from Chiriqui.

Near *Odontoptila mimica*, Dogn.

Subfam. *LAURENTIINÆ*.*Amaurinia thetisaria*, sp. n.

♂. Head, collar, and thorax purplish brown. Abdomen and wings reddish brown. Basal half of shaft of antennæ and line between them white. Wings: lines dark purple; termen narrowly and cilia yellow. Fore wings: three basal lines partly suffusing, followed by a clear red-brown line and two antemedial lines, also suffusing; a black spot on disco-cellular at vein 5; two lines beyond cell; two outer lines, outcurved, lunular, and a similar subterminal line; the dark space close to termen between veins 3 and 4, its outer edge wavy from costa to vein 5, twice incurved between vein 3 and inner margin. Hind wings short on costa, long on inner margin, the termen not angled, glossed with purple; a basal and two antemedial lines; a medial, more distinct post-medial, and two outer lines; the outer edge of dark space somewhat lunular. Wings below dull lilacine, the lines darker; termen whitish; cilia pale yellow. Fore wings: no discal spot; the two outer and subterminal lines faint; a

dark spot on cilia at vein 3. Hind wings: a subbasal, medial, postmedial, and outer line.

Expanse 22 mm.

Hab. Juan Vinas.

Nearest *A. chrysocraspedata*, Warr., but differs in shape of hind wing.

Amaurinia dorisaria, sp. n.

♂. Body and wings purple-brown. Shaft of antennæ to beyond middle and a line between them white. Wings: the lines fine, darker; termen narrowly and cilia pale yellow. Fore wings: a basal and three antemedial lines, the latter outcurved to median, vertical below it; a dark point on discocellular shaded with reddish brown; two postmedial lines, outcurved; two similar outer lines, and a subterminal line, all very indistinct; the edge of dark space wavy, close to termen at vein 3, and there shaded with orange. Hind wings produced at vein 4; a fine medial and postmedial line, the latter outcurved across veins 4 and 3; the termen and cilia shaded with orange-brown at vein 4. Wings below dull lilacine grey, the termen and cilia paler. Fore wings: fine postmedial, geminate outer, and subterminal lines; cilia brown at apex and vein 3. Hind wings: a fine antemedial, postmedial, and subterminal line; cilia brownish at vein 4.

Expanse 22 mm.

Hab. Juan Vinas.

Near *A. chrysocraspedata*, Warr. Hind wings longer; without the reddish-brown shadings; the lines also different.

Amaurinia goodmani, sp. n.

♀. Body and wings bluish green; whitish segmental lines on abdomen. Wings: black discal points; a postmedial and an outer darker green line, with a finer lunular line between them; a terminal purple-brown line; cilia white, shaded with fuscous at veins 3 and 4, and on fore wings at apex also. Fore wings below purplish, the inner margin and hind wings whitish; the outer line slightly incipient opposite cell, followed on fore wings by a narrow whitish shade; dark discal points; the postmedial line fine, barely traceable on hind wings.

Expanse 22 mm.

Hab. Juan Vinas.

[To be continued.]