

XVI.

154.16

1912 June

451

Imagen de consulta DGAN

(16)

magen de consulta

DGAN

Imagen de consulta

DGAN

Imagen de consulta

Imagen de c

Imagen de consulta DGAN

DGAN

Imagen de consulta

sulta DGAN

Imagen de consulta

Imagen de consulta

e consulta DGAN

Imagen de consulta

DGAN

DGAN

DGAN

Imagen

Prof. J. Fidel Irujo

San José

Costa Rica

Central America



*From the ANNALS AND MAGAZINE OF NATURAL HISTORY,
Ser. 8, Vol. ix., June 1912.*

NEW SPECIES OF HETEROCERA FROM
COSTA RICA.

XVI

BY

W. SCHAUS, F.Z.S

New Species of Heterocera from Costa Rica.—XVI.

By W. SCHAUS, F.Z.S.

Pyralidæ.

Subfamily *EPIPASCHINÆ*.*Pococera albimedium*, sp. n.

♀. Palpi black, shaded with white. Frons fuscous brown, irrorated with white. Vertex white. Collar and thorax white, shaded with brownish buff, and with a few scattered black scales. Abdomen above white, with broad transverse black lines, partly suffusing. Fore wings: base broadly dark olive, irrorated with black, and crossed by a broad white line, outbent on inner margin, inwardly edged with black and outwardly expanding between cell and submedian, and also edged with black except below submedian; medial space to outer line white, with a black point at end of cell, dark spots on costa, and some pale brown and black irrorations postmedially; outer line fine, black, inbent at vein 4, outwardly finely edged with white; terminal space black from costa to vein 5, the termen slightly irrorated with white; below vein 5 a mottled olive and reddish subterminal shade; terminal black spots. Hind wings dirty white; a post-medial fuscous line marked with black on vein 2; a marginal fuscous shade widest at apex; a terminal black line.

Expanse 22 mm.

Hab. Juan Vinas.

Near *P. albimedialis*, Hmpsn.*Pococera beroella*, sp. n.

♂. Palpi brown, ringed and tipped with white. Head and thorax greyish brown, with slightly darker shadings. Abdomen dark grey, with pale segmental lines. Fore wings: basal third light brown, limited by a geminate, black-brown, lunular, antemedial line, filled in below cell with white; a black spot at base of costa, followed by a greyish shade; a black streak below cell before antemedial; space beyond to subterminal whitish grey, the costa and veins irrorated with brown; a faint medial brownish line from vein 3 to inner margin, followed by a pale brown shade to subterminal, which is white, lunular, and sinuous, defined by brownish shadings on either side, and inwardly also with dark streaks on veins; an apical dark brown shade and terminal dark brown line, interrupted by white points on veins. Hind wings whitish, shaded with fuscous grey.

Expanse 21 mm.

Hab. Juan Vinas.

The antennæ of female also with short fascicles.

Pococera irrorata, sp. n.

♀. Palpi dark grey. Head and collar white, shaded with brown. Thorax dark grey; patagia white, with a few dark irrorations. Abdomen buff-grey, with segmental shades consisting of dark irrorations. Fore wings whitish grey, thickly irrorated with darker grey, and a few scattered black scales; a small fuscous-brown spot at base of costa; a fine subbasal line, curved on costa, inbent in cell to median; a fuscous-brown antemedial shade on costa and vague line across cell; a black medial spot on costa and sinuous outbent line to inner margin just beyond middle; an outer dentate fuscous shade, outset between veins 3 and 5, followed by a grey spot on costa, and narrow greyish shade from vein 5 to inner margin; a subterminal dentate brown shade; termen irrorated with brown; an interrupted terminal brown line. Hind wings dirty white, the termen shaded with fuscous brown. Fore wings below silky fuscous brown. Hind wings below as above; traces of a fine postmedial line.

Expanse 20 mm.

Hab. Sixola.

Pococera crinita, sp. n.

♀. Palpi with the second joint very long, fringed behind with long hair, dark purplish brown, streaked below, at base,

with buff. Body brown, tinged with lilacine. Fore wings lilacine brown; an antemedial straight fuscous-brown line, preceded by a paler lilacine brown shade, and followed by an olive-brown shade limited by a pale medial line faintly outbent; an oblique black spot at end of cell edged with lilacine; a postmedial dark olive-brown shade from below costa, inbent below end of cell, and expanding; an outer broad whitish-buff line inwardly edged by a fine fuscous-brown line, and outwardly followed by a dark brown shade; a terminal black line with pale points at veins; cilia pale reddish brown, tipped with lilacine. Hind wings fuscous brown; cilia fuscous grey tipped with white, and with a basal reddish line at apex. Wings below fuscous; apical half of costa on fore wings and apex of hind wings shaded with dull red.

Expanse 22 mm.

Hab. Esperanza, Guapiles.

Pococera elegans, sp. n.

♂. Palpi buff, streaked in front with black. Head, collar, and thorax pale buff; the antennal process, which is very long, terminally shaded above with reddish brown. Abdomen buff; a reddish dorsal line to beyond middle; fuscous segmental lines on terminal segments. Fore wings grey; basal third of costa fuscous brown; a fine black line above median near base, thickening below cell antemedially, below which the basal half of wing to inner margin is pale buff shaded with pale brown, the whole limited by a sinuous, outbent, fuscous-brown medial line; a fine fuscous streak at end of cell and a dark shade on costa above it; a faintly darker grey outer shade; subterminal dark streaks on veins 7 and 8; a fine terminal dark line. Hind wings dirty white; costal margin greyish; postmedial dark streaks on veins, most noticeable on vein 2; a terminal dark line. Fore wings below fuscous grey; a faint darker outer line followed by a whitish spot on costa. Hind wings below whitish; a dark spot on discocellular in front; a faint postmedial shade, heavy on costa. The costa of both wings shaded with reddish brown.

Expanse 21 mm.

Hab. Juan Vinas, Sixola.

The fore wings have veins 4 and 5 approximated for nearly half their length; no groove in cell or fringe below costa.

Pococera marmorata, sp. n.

♂. Palpi very long, with slight tuft of hair on inner side of second joint at extremity. Antennæ with moderate process and long fasciculate cilia. Palpi grey. Head and thorax dull grey; collar shaded with brown. Abdomen dull dark grey. Fore wings: basal third buff-brown, crossed by an outbent whitish shade, the outer portion heavily irrorated with black on costa, in and just below cell, then to inner margin the irrorations form an indistinct geminate line; medial space whitish, crossed by a fine fuscous line, somewhat incurved below cell and close to basal space; costa beyond this line to outer line pale reddish brown; inner margin to outer line grey; some black irrorations form an indistinct postmedial line from below costa, inbent from vein 5 to below cell before vein 2, angled and only reaching submedian; these irrorations followed by a reddish-brown space to outer line, which is fuscous, lunular, and outcurved from vein 6-3, and is outwardly edged by the broader white subterminal line; termen grey, shaded with reddish brown at apex; terminal black spots. Hind wings white; terminal dark points; a fuscous shade at apex and traces of a subterminal line on costa.

Expanse 28 mm.

Hab. Poas.

Fore wings: veins 4 and 5 approximated; no groove in cell or fringe of scales below costa.

Pococera notabilis, sp. n.

♀. Palpi buff-brown, dusted with grey. Head, collar, and thorax brownish buff, the latter with some dark scales behind. Abdomen ochreous buff; dark segmental shades. Fore wings: base for more than one-third brownish buff, irrorated with black outwardly and on inner margin, limited by a broad white line, faintly indentate on submedian; outer space fuscous brown, thickly irrorated with white; a subterminal whitish dentate line edged with clearer fuscous brown; a terminal black line interrupted by veins. Hind wings whitish brown, the outer margin shaded with fuscous; cilia fuscous, tipped with white.

Expanse 23 mm.

Hab. Juan Vinas.

Pococera olivescens, sp. n.

♂. Palpi long and smoothly scaled. Head, collar, and

thorax pale olive-green. Abdomen grey, with darker transverse shades. Fore wings olive-green; an antemedial greenish-white shade, not reaching inner margin, and a similar basal line; some black scales on medial space in cell and on inner margin; a whitish shade at end and just beyond cell, on which the black oblique line on discocellular is conspicuous, also below cell to submedian fold, outbent towards outer line, which is greenish white, straight from costa to vein 4, then outcurved, followed by blackish irrorations from vein 4-8; an interrupted terminal fuscous line. Hind wings whitish, the termen narrowly fuscous.

Expanse 23 mm.

Hab. Esperanza.

APOCERA, gen. nov.

Palpi upturned, the second joint reaching vertex of head, the third short; maxillary palpi in fold of labial palpi; antennae of male fasciculate, with short process; tibia very slightly hairy. Fore wing with veins 4 and 5 from cell, shortly approximated; 6 from upper angle; 7, 8, 9 stalked, 10 and 11 free. Hind wing with vein 3 from angle of cell; 4, 5 stalked; 6, 7, from upper angle; 7 anastomosing with 8.

Apocera costata, sp. n.

Palpi lilacine buff, fringed with black. Head, collar, and thorax whitish buff, the collar shaded in front with brown. Abdomen above brown, with dark irrorations. Fore wings: the anterior half to subterminal whitish buff, the costa slightly tinged with lilacine and darkly irrorated medially; a fuscous-brown spot near base of costa and a fine streak below cell; a fuscous-brown shade from base along inner margin, upcurved antemedially to above submedian, and followed by a whitish shade; a black point on discocellular; outer half of inner margin to below cell and vein 4 brown, with fuscous-brown postmedial streaks on veins 2 and 3, and shorter streaks on veins 4 and 5; subterminal fuscous-brown, lunular, oblique from costa, and suffusing with dark brown terminal shade between veins 5-2; apex and tornus irrorated with white. Hind wings whitish, the veins pale brown; the apex shaded with fuscous.

Expanse 18 mm.

Hab. Esperanza.

Jocara chlorialis, sp. n.

♂. Palpi light brown. Antennal process buff, irrorated and tipped with reddish brown. Collar dorsally reddish brown, outwardly green. Thorax greenish, the patagia tipped with reddish brown. Abdomen brown-buff, with a few black irrorations. Fore wings green; a black spot at base of costa and point below cell; an antemedial black spot on costa, and fascia from cell to inner margin, preceded by a small tuft of white scales below median; a black medial spot on costa and line outangled in cell to black discocellular streak, close to antemedial fascia from median to inner margin; an angled postmedial shade from beyond cell not reaching submedian; postmedial lunular, dentate, straight on costa, then slightly outcurved, black, outwardly shaded with pale green; terminal black spots. Hind wings smoky white; outer margin fuscous, widest at apex. Wings below luteous white; costal margin pale buff, thinly irrorated with reddish. Fore wings: a fuscous line on discocellular and slightly curved outer shade; termen shaded with fuscous. Hind wings: apical half of outer margin shaded with fuscous; a fine indistinct subterminal line, more heavily marked on costa.

Expanse 28 mm.

♀. Fore wings: the lines finer; the antemedial reduced to a line marked by a small spot below median; costal spots smaller. Hind wings fuscous brown. Fore wings below fuscous, the inner margin white but not reaching termen; costa as in male. Hind wings below luteous; a black discal point; outer line well marked, wavy towards inner margin; outer margin shaded with fuscous from costa to vein 2.

Expanse 29 mm.

Hab. Juan Vinas, Sitio, Tuis.

Jocara nana, sp. n.

♂. Antennal process long. Palpi light brown, with fuscous rings terminally. Process brown. Thorax buff. Abdomen buff-brown; fine whitish segmental lines interrupted by small black dorsal spots. Fore wings light brown; some scattered black scales on basal third; a fuscous line along inner margin to antemedial, which is whitish and only traceable from below cell; medial line also whitish and from cell; the space between the lines on inner margin fuscous; a fuscous spot at end of cell partly edged by a pale line; the outer line pale, defined by a black shade on its

inner edge, lunular, somewhat oblique from costa to vein 3, then incurved to submedian, outangled, and inbent on inner margin; termen shaded with fuscous brown, darkest at apex; fuscous terminal spots. Hind wings fuscous brown, darkest on termen. Hind wings below dirty white, the termen fuscous, narrowing to anal angle; a fuscous discal spot.

Expanse 15 mm.

Hab. Juan Vinas.

Jocara nigripuncta, sp. n.

♂. Antennæ with long process. Body and fore wings brownish buff; collar outwardly shaded with fuscous; abdomen irrorated with fuscous brown. Fore wings: some fuscous irrorations; a small spot below middle of cell; a round black spot at end of cell, followed by a black streak between veins 5 and 6 to outer line, which is fuscous brown, lunular dentate, and evenly outcurved, outwardly pale shaded; terminal black spots. Hind wings semihyaline brownish white, the termen irrorated with fuscous and reddish brown.

Expanse 31 mm.

Hab. Juan Vinas.

Jocara noctuina, sp. n.

♂. Palpi, head, and collar buff-brown. Thorax lilacine brown, the patagia tipped with fuscous. Abdomen buff, with black irrorations, forming segmental shades. Fore wings buff; costa shaded with dull green; basal third shaded with dull green and grey on inner margin, limited by a slightly curved thick velvety black line, outwardly shaded with dark brown from cell to inner margin; a velvety black spot on discocellular; outer line fine, fuscous, inbent on costa, then outcurved to vein 4, below which it is incurved to fold, and nearly vertical on inner margin; an interrupted terminal black line. Hind wings buff-white; a black line on discocellular; fuscous shading on costa and apex; an interrupted fine terminal black line. Hind wings below: a fuscous shade on costa near base; a black streak on discocellular; a postmedial fuscous line on costal margin; the terminal line as above.

Expanse 26 mm.

Hab. Sixola.

Like *J. brachypalpia*, Dogn.

Jocara obscuralis, sp. n.

♀. Head, collar, and thorax buff-brown, the thorax tinged with lilacine. Abdomen buff-brown, with black segmental shades. Fore wings mostly dark lilacine brown; basal third of costa mottled dark green and black; basal third of cell, median and submedian veins irrorated with black; a vague antemedial black shade on costa and cell, and an inset whitish point below cell; costa medially and postmedially greenish yellow, crossed by a duller green shade; a yellowish streak medially on submedian, partly shaded with grey scales; a broad postmedial shade from below costa, outangled and extending on veins, consisting of streaks only on veins 3, 2, and fold; a subterminal yellow-green streak on costa and grey points on veins, preceded by black points connected by an almost imperceptible fuscous line, and followed by black shades, suffusing towards and on costa; termen narrowly yellowish green; an interrupted terminal black line; cilia roseate, mottled with fuscous. Hind wings shaded with fuscous brown, darkest terminally; cilia whitish, shaded with roseate towards apex, and with some fuscous spots. Fore wings below fuscous, the costa and termen broadly roseate brown; a subterminal white spot on costa. Hind wings below: a black point on discocellular at vein 6; outer line and apex roseate brown, the former fine, obliquely curved to vein 5, then punctiform.

Expanse 28 mm.

Hab. Juan Vinas.

Near *J. ferrifusalis*, Hmps., which also occurs in Costa Rica.

Jocara subcurvalis, sp. n.

♂. Palpi brown. Head and collar buff, with a medial brown line. Patagia and abdomen buff, the latter irrorated with dark brown, and with pale segmental lines. Fore wings buff-brown, shaded with dark brown, chiefly on outer third; base of costa and inner margin darker shaded; a broad antemedial fuscous shade, closely followed by the medial fuscous-brown line, which is angled on subcostal; a fuscous streak on discocellular; outer line fuscous, lunular dentate, inbent on costa, outcurved below it, the veins before and beyond it shortly streaked with reddish brown; a subterminal darker shade, widest on costa; a terminal black line, interrupted by buff points on veins; some green shading on termen; cilia with fuscous spots. Hind wings dirty

white, shaded with fuscous on outer margin; traces of a postmedial line. Wings below dirty white; black discal points. Fore wings: the costa whitish buff, irrorated with red; the postmedial fuscous line straight on costa, then outcurved; termen shaded with fuscous brown. Hind wings: postmedial line incurved on costa, then outcurved; the apex shaded with fuscous brown.

Expanse 25 mm.

Female: the wings tinged with green; a short black antemedial streak below cell; postmedial space and apex shaded with reddish brown. Hind wings shaded with fuscous.

Expanse 30 mm.

Hab. Juan Vinas.

In B. M. from Jalapa, Mexico.

Jocara subfusca, sp. n.

♀. Palpi lilacine brown, streaked below with pale buff. Head brown, outwardly lined with buff. Thorax fuscous, the patagia and collar lilacine buff. Abdomen pale brown, with darker irrorations. Fore wings: basal half green on costa and in cell, below cell lilacine brown, darker shaded on inner margin; an antemedial short dark streak in cell and small tuft of dark brown scales below median; the outer edge of brown space lunular and closely followed by a nearly straight dark brown medial line, edged from below cell to inner margin with roseate buff, interrupted on subcostal; a minute dark streak at end of cell edged with silvery grey scales; a fuscous postmedial line from below costa, irrorated with silvery-grey scales; space beyond tinged with brown to near termen and crossed by the fuscous outer line, which is followed by a brownish-buff shade and then some fuscous irrorations; an interrupted terminal black line. Hind wings fuscous brown, darkest on termen; cilia fuscous grey tipped with white. Wings below fuscous; the postmedial line and termen darker; black discal points; some grey irrorations on costa beyond cell and in cell of hind wings.

Expanse 23 mm.

Hab. Sixola.

Near *J. ferrifusalis*, Hmps.

Jocara tenebrosa, sp. n.

♂. Palpi buff, partly fringed with dark brown. Head whitish buff. Collar and thorax dull reddish brown. Abdomen fuscous grey, with pale segmental lines. Fore wings

dull slate tinged with lilacine brown, especially above submedian to near cell and vein 4; a broad buff antemedial shade, irregular and inbent from costa; a similar subterminal line, inbent on costa, outcurved below it, broad from veins 8-6, then finer and dentate; a darker shade on discocellular. The anterior half of wing indistinctly shot with greenish blue. Hind wings thinly scaled, fuscous brown, faintly tinged with purplish. Fore wings below fuscous; the inner margin greyish; costa shaded with reddish; the outer line only noticeable on costa. Hind wings below whitish, shaded with fuscous; a black discal point; costa shaded with reddish; a postmedial fuscous line.

Expanse 27 mm.

♀. Fore wings olive-brown, broadly darker before outer line; a dark streak from near base along median, interrupted by an antemedial cluster of whitish scales, and followed by a pale lunular inner line, very confused and indistinct; a black crescent-shaped line on discocellular, edged with whitish irrorations; the outer line buff, lunular dentate, of even thickness. Hind wings fuscous brown, not so broad as in male.

Expanse 26 mm.

Hab. Sixola.

Jocara terrenalis, sp. n.

♀. Palpi whitish buff, shaded with brown. Frons dark grey. Vertex pale buff. Collar dark reddish brown, irrorated with black; a dorsal buff shade. Thorax dark grey; patagia buff. Abdomen olive-buff, irrorated with fuscous. Fore wings: costal margin and apex buff, shaded with pale green; cell and basal half below cell buff-grey, with reddish and black irrorations; a dark streak on inner margin at base; medial line fine, fuscous, lunular and indistinct; a black discal point; outer space below and beyond cell, also to termen below vein 3, fuscous brown; outer line straight on costa, outcurved below it, lunular dentate, inwardly shaded with fuscous, outwardly with dark olive; terminal black spots. Hind wings smoky white, shaded with fuscous brown, darkest on termen. Fore wings below fuscous brown; costa buff to postmedial; veins terminally reddish; inner margin narrowly white. Hind wings below whitish; costa with some reddish and brown irrorations; termen shaded with fuscous; a subterminal fuscous line, incurved on costa.

Expanse 29 mm.

Hab. Sixola.

Jocara translinea, sp. n.

♀. Palpi, head, and thorax olive-green; collar and patagia tinged with reddish buff. Abdomen olive-buff, with some darker irrorations. Fore wings pale green; a buff shade below costa to antemedial; the inner margin to antemedial lilacine brown, with darker irrorations; beyond base, below median, a streak of long downturned fuscous-brown scales; antemedial outcurved on costal margin, faint, fuscous, closely followed by a more distinct, nearly straight, fuscous medial line; the narrow space between lines below cell whitish; a black point at end of cell; a faint postmedial brownish line, and the space beyond to outer line faintly tinged with brown; outer line fine, black, lunular dentate, straight on costa, then outcurved; very small terminal black spots. Hind wings whitish, shaded with fuscous, the veins darker; traces of a paler postmedial line; an interrupted terminal fuscous line. Wings below: the postmedial line oblique from costa and angled at vein 5. Fore wings reddish brown; the costa whitish buff, irrorated with pale red. Hind wings whitish; a black point on discocellular; the apex shaded with reddish brown.

Expanse 27 mm.

Hab. Juan Vinas.

A male in B. M. from French Guiana.

Chloropaschia canities, sp. n.

♂. Palpi buff-brown, shaded with dark brown laterally. Frons brown. Collar mottled slate-grey, brown, and black. Thorax silvery grey. Abdomen luteous buff. Fore wings for two-thirds from base whitish grey, irrorated with olive, somewhat darker shaded at base; a fine dark line on discocellular; a medial small fuscous shade on costa and one postmedially, from which faint lines extend to below discocellular, and then form a distinct olive-brown geminate line, outangled below vein 2 and inbent to middle of inner margin; outer third olive-brown; small fuscous postmedial spots on vein 2 and submedian; a darker brown subterminal geminate shade, divided by whitish shading from vein 4 to inner margin; termen shaded with grey chiefly above tornus; a terminal black line, partly intersected by veins; cilia buff, shaded with fuscous spots. Hind wings brownish white; apex and termen shaded with fuscous; a fuscous line at base of cilia.

Expanse 28 mm.

Hab. Sixola.

Macalla clappealis, sp. n.

♂. Palpi, head, and collar reddish brown, crossed from antennae by an outbent whitish line. Thorax dark brown; patagia buff-brown. Abdomen buff-grey, with transverse fuscous shades. Fore wings: base buff from costa to submedian, streaked with reddish brown in and below cell, and a small similar spot at base of costa, the whole limited by a dark reddish-brown shade irrorated with black and outwardly edged by a lunular black line, followed by a narrow white shade, all inbent from costa to submedian; inner margin and outer space olive-grey irrorated with whitish; postmedial black streaks on veins, connected by a faint fuscous shade; outer line whitish, lunular dentate, finely edged with fuscous, oblique from costa to vein 5, then parallel with outer margin, followed above vein 5 by a dark brown shade and fuscous streaks on veins; a terminal black line with white points at veins; cilia whitish spotted with black. Hind wings semi-hyaline whitish; costal margin and apex shaded with fuscous grey; the inner margin tinged with buff; a terminal black line.

Expanse 29 mm.

Hab. Sixola.

Macalla marginata, sp. n.

♀. Body buff, the palpi and abdomen irrorated with reddish. Fore wings buff; extreme costa finely dark brown; a fine dark brown shade along inner margin, expanding medially into a broad spot upturned to submedian fold; a medial black streak on costal margin; faint brownish streaks on interspaces postmedially to outer line, which is black, finely lunular dentate and evenly outcurved, followed by minute pale streaks on veins; outer margin dark brown, with a darker subterminal line parallel with outer line; termen irrorated with grey-buff, chiefly at apex. Hind wings buff-white; outer margin shaded with fuscous brown; some subterminal pale points on veins.

Expanse 23 mm.

Hab. Sixola.

Macalla nebulosa, sp. n.

♀. Palpi dark brown. Frons silvery grey. Vertex brown. Collar and thorax grey, the collar shaded in front with orange. Abdomen buff; lateral broad fuscous shades, meeting dorsally on last segments. Fore wings silky grey, irrorated and shaded with fuscous brown, especially at base

and on outer margin; the basal space limited by an irregular black shade, closely followed by a black point in cell; a large spot on discocellular; outer line fuscous, oblique from costa, inbent at vein 4, somewhat curved and followed by streaks on vein 3 and fold and a deep yellow spot on costa; terminal black spots; cilia buff-brown, spotted with black from vein 4 to apex. Hind wings dirty white, shaded with brown, darkest on outer margin; an outer dark line. Wings below luteous white; black discocellular lines; heavy fuscous postmedial lines, outbent from costa and sharply rounded at vein 4; broad fuscous-brown shades at apices.

Expanse 25 mm.

Hab. Avangarez.

Near *M. superatalis*.

Macalla selecta, sp. n.

♀. Palpi black, tipped with white. Head, collar, and thorax dark brown; patagia mottled with dark grey. Abdomen pale grey, with greyish-brown transverse shadings. Fore wings: basal half dark brown, with a faint lilacine-grey antemedial shade; a black point in cell and short black streak below cell; a fuscous geminate medial line divided by a lilacine grey line, slightly outcurved around a velvety black discocellular spot; medial line followed by a broader lilacine grey shade, outwardly edged with reddish brown and then dull olive to outer line; outer line fuscous, barely outcurved below costa, outwardly pale-edged; this is followed by a reddish-brown shade, widest on costa; termen lilacine grey; terminal fuscous-brown spots. Hind wings white, suffused with greyish brown and shaded with fuscous on outer margin.

Expanse 30 mm.

Hab. Sixola.

Locastra viriditincta, sp. n.

♂. Palpi and head purplish brown, mottled with buff; process medially black, broadly green at end. Collar and patagia black, tipped with green. Abdomen brownish buff, thinly irrorated with fuscous grey. Fore wings purplish brown, shaded with fuscous, the outer half of inner margin broadly, and termen green; a medial green spot on costa between a fine geminate fuscous line, slightly inangled on submedian; a faint brown-buff shade antemedially below cell and a black point in cell; a velvety-black streak on discocellular, pale-edged, and a fine line of raised scales

below it across vein 2; an oblique line of similar raised scales beyond cell; outer line buff, slightly oblique on costa, preceded and followed by darker shading, then faintly outcurved from vein 6, below vein 5 preceded by a fine, deeply lunular, dentate, black line, and followed by black-angled spots; an interrupted terminal black line; cilia buff-green, shaded with darker green. Hind wings white, costa, apex broadly, and termen narrowly fuscous, a subterminal fuscous line; inner margin and cilia roseate buff, becoming reddish at apex.

Expanse 33 mm.

Hab. Juan Vinas, Sixola, Turrialba.

Stericta apicalis, sp. n.

♂. Palpi light reddish brown. Collar and thorax greyish, mottled with dull olive; a black spot on patagia anteriorly. Abdomen buff-brown, irrorated with black, forming irregular segmental lines. Legs grey-brown, broadly ringed with fuscous; fore femora white, shaded with black near throat. Fore wings: base, inner and outer margins, and postmedial space below vein 2 mottled roseate brown and olive-green; a small black spot at base of costa; antemedial space broadly whitish grey, not reaching inner margin, limited by an indistinct lunular white medial line, outset below cell; postmedial space shaded with fuscous; a black line on discocellular; subterminal line straight on costa, then slightly outcurved to vein 2, and straight on inner margin, paler, preceded by small black spots almost forming a line, and followed by a fine whitish shade on inner margin; a terminal white space from vein 5 to apex; a terminal black line interrupted by veins; cilia greenish buff mottled with black. Hind wings whitish brown, darker shaded on outer margin; veins pale brown, with darker subterminal streaks on veins. Fore wings below roseate brown, the inner margin whitish; a black point on discocellular, followed by a deeply dentate fuscous shade. Hind wings below whitish, the costal margin irrorated with roseate brown; a black discal point; a roseate brown subterminal line, deeply dentate on anterior half.

Expanse 34 mm.

Hab. Juan Vinas, Sitio.

The female has the antemedial space and hind wings shaded with fuscous.

Stericta umbrosalis, sp. n.

♂. Palpi, head, collar, and thorax green, some black

irrorations on collar and patagia. Abdomen buff, shaded with brown dorsally. Fore wings green, markings black; a small spot at base of costa and a larger one antemedially; a broad antemedial spot, irrorated with reddish from cell to inner margin, its inner edge indentate on submedian, its outer edge twice lunular, closely followed by a fine medial line terminating in a spot on costa; a line at end of cell; a postmedial line from costa to submedian fold, outbent between veins 4 and 5, followed by a fuscous-brown shade irrorated with red to outer line, which is straight on costa, then out-curved, lunular dentate, geminate, filled in with dull green; an interrupted terminal line. Hind wings whitish, the outer margin fuscous; outer dark fuscous streaks on veins.

♀. Palpi fuscous brown. Head, collar, and thorax mottled reddish brown, dark grey, and green. Fore wings green; costal spots and terminal space from postmedial dull purplish brown, on which the outer line is very indistinct; antemedial spot on inner margin more linear; a black lunule on discocellular; the costal margin yellowish, irrorated with pale reddish brown. Hind wings as in male.

Expanse, ♂ 31, ♀ 30 mm.

Hab. Juan Vinas, Turrialba.

Isolopha basilata, sp. n.

♀. Palpi and frons pale buff. Vertex, collar, and thorax buff, medially tinged with lilacine brown. Abdomen rufous brown. Fore wings: a little less than basal half from costa to just below cell pale buff, streaked with pale lilacine brown, otherwise dull black irrorated with brown and roseate buff; a velvety-black streak below cell before middle; a geminate medial fuscous line, defined by a pale brownish line dividing it, lunular and inbent below cell; discal streak velvety black-brown, very slight; an indistinct postmedial sinuous line, the space before it greenish brown, the space beyond darker; outer line green, cut by black veins and shaded with black on either side, the outer shading with white points on veins; outer margin narrowly green; a terminal interrupted lunular black line. Hind wings whitish at base, shaded with fuscous; traces of a postmedial line.

Expanse 31 mm.

Hab. Juan Vinas.

Subfamily HYDROCAMPINÆ.

Argyractis albibasalis, sp. n.

♂. Palpi, head, and collar brownish grey. Thorax

white. Abdomen above pale brown. Fore wings silvery white; costa brown-grey; medial space fuscous brown, expanding outwardly along vein 5 shortly, and then obliquely curved to tornus; two fuscous-brown outer lines from costa, suffusing at vein 2; a terminal yellow line from below apex to near tornus, where it is shortly inbent. Hind wings: base silvery white; a medial fuscous-brown shade, followed by a white spot and dense fuscous-brown irrorations to terminal spots, which are black, edged with metallic roseate and lilacine scales; an orange-brown terminal shade near anal angle.

Expanse 15 mm.

Hab. Juan Vinas.

Argyractis auspicatalis, sp. n.

♀. Palpi buff, tipped with white. Body white; collar outwardly shaded with brown; thorax and abdomen irrorated with brown. Fore wings white; basal half of costa and part of cell thickly irrorated with brown, forming a dark shade with its hind edge somewhat curved, the inner margin with only a few brown scales, the whole limited by a white line, broadest below cell, and preceded on inner margin by a small yellowish spot; a medial brown line from costa, not reaching median, followed by a buff shade on costa and some brown irrorations below it; discocellular defined by two oblique brown lines; a brown shade beyond cell suffusing with postmedial line, which is slightly outbent from costa to vein 3; postmedial space below cell and vein 3 yellow-buff, interrupted by a white shade on inner margin; an oblique silvery white streak from below discocellular to inner margin before tornus and an opalescent spot at tornus; postmedial line followed from costa by a silvery-white streak; the sub-terminal brown from costa to vein 6, then yellow-buff, followed by a silvery-white line to below vein 2, finely edged with fuscous; termen yellow-buff; cilia grey. Hind wings white; a medial yellow-buff spot, not reaching below vein 2, followed by opalescent white and preceded by a few brown scales in cell; a postmedial yellow-buff line expanding towards costa and extending to termen below vein 2; a sub-terminal white space, crossed by a fine wavy yellow-buff line from near apex to vein 5; three or four terminal black spots outwardly edged and separated by silvery scaling, also preceded by a black line, forming two deep lunules above each spot; a fine brown streak near inner margin and small brown spot near angle.

Expanse 16-28 mm.

Hab. Juan Vinas, Tuis, Esperanza, Guapiles.

Argyractis amethystina, sp. n.

♀. Head, collar, and thorax white, the collar outwardly fuscous grey. Abdomen dorsally white at base and on seventh and eighth segments, otherwise shaded with fuscous grey. Fore wings white; costa on basal third and antemedial shade broad and inbent on inner margin, olive-brown, the latter closely followed by an inbent medial line from costa to submedian; costa medially buff, shaded with brown; reniform outlined by a geminate olive-brown line, sometimes meeting behind; an outbent similar postmedial shade from costa to vein 3, followed by a broad white shade; a subterminal silvery-white line, faintly edged with dark grey and preceded by a brown and yellowish shade; termen yellow; outer space from below cell before discocellular to inner margin yellow, with a terminal horizontal silvery streak below fold. Hind wings white; a broad antemedial grey-brown space, expanding on inner margin towards angle and crossed by a whitish streak just below cell; a medial yellow spot above vein 2, the white following it opalescent; outer portion of wing above vein 2 yellow, its inner edge vertical; a terminal black space, on which are annular metallic lines, preceded by a narrow white space, crossed by a brown line between veins 6 and 7.

Expanse, ♂ 12, ♀ 17 mm.

Hab. Esperanza, Guapiles, Carillo.

Argyractis nitens, sp. n.

♀. Body white; subdorsal brown spots on second segment of abdomen. Wings silky white. Fore wings: a fuscous-brown spot on costa and one on inner margin near base; an oblique brownish antemedial shade on inner margin and faint trace of similar shade on costa; a medial fuscous-brown spot on costa and fine vertical medial brownish line, slightly inbent on inner margin; two short oblique brown lines at discocellular, from inner one a fine brown line incurved, then outwardly oblique, and downcurved on inner margin; a postmedial brown line outbent from costa to vein 4, where it is slightly hooked; a subterminal brown shade, wide on costa, narrowing to vein 2, then inbent along it and expanding; below it and vein 2 an orange line upturned along termen and not quite reaching apex, inwardly edged along termen by a fine fuscous line; a marginal dark grey streak along submedian fold to tornus, and below it a yellow spot on inner margin; cilia grey, tinged with fuscous at base and

at apex. Hind wings: a medial narrow brown shade; a downbent fine postmedial line, followed by another fine line on discocellular, outbent at vein 5, and irregular to near apex; small marginal black spots, well circled with metallic scales, which cover termen, inwardly the metallic edging preceded by a fine lunular black line; termen orange at apex.

Expanse 21 mm.

Hab. Tuis.

Near *A. chalcistis*, Dogn.

Argyractis parvissimalis, sp. n.

Body brown; abdomen crossed by fuscous-brown shades. Fore wings grey-buff, with darker irrorations; a faint paler medial shade, followed on costal half by a broad fuscous shade; postmedial faint, whitish, outbent to near subterminal at vein 4, sharply angled and upbent towards discocellular; subterminal white, separated from terminal orange shade by a fine dark line; the terminal orange shade not extending below vein 3. Hind wings grey-buff, with medial, postmedial, and subterminal fuscous shades; the terminal black spots small, edged with metallic scales, and separated, the spots nearest apex especially so.

Expanse 10 mm.

Hab. Juan Vinas.

Argyractis peraltalis, sp. n.

♂. Palpi buff, shaded with steel-grey. Body buff; thorax behind and base of abdomen shaded with brown; second segment dorsally fuscous grey, third white. Fore wings: base dark brown, its outer edge oblique, formed by a whitish-yellow space, broad on inner margin, outwardly limited by a vertical medial line, dark brown on costa and cell, orange below it; outer space below cell and vein 3 mostly orange, with some yellowish white on inner margin and at tornus; anterior space beyond medial line dark brown, with a white shade on discocellular, an outbent white postmedial line, and a submarginal white line from costa to vein 2; termen yellow; cilia fuscous brown. Hind wings: base white, with a large brown spot between cell and inner margin, otherwise orange, with two large terminal spots cut by metallic lilac lines, the anterior spot only slightly surmounted with white; a short postmedial white streak.

Expanse 10 mm.

Hab. Peralta.

Argyractis puralis, sp. n.

♀. Body and wings white. Fore wings: a black point on base of costa; three fuscous-brown subbasal spots in an inbent row from costa; a brown shade medially on costa, an inbent fine brownish line below it to submedian; postmedial line fine, pale brown, very much outbent and curved, almost reaching termen, inbent along vein 3 to discocellular, then sinuous and vertical to inner margin; a brownish shade along costa above postmedial; apex acute, somewhat falcate; termen yellow from vein 5 to apex, inwardly edged by a brown line. Hind wings: a fine antemedial brownish line; a sinuous fine subterminal line.

Expanse 20 mm.

Hab. Juan Vinas, Carillo.

Argyractis tristalis, sp. n.

♀. Body grey-brown; abdomen slightly darker at base and terminally, with faint pale segmental lines. Fore wings grey-brown; a dark subbasal shade; a slightly darker medial shade, angled on costa and slightly inbent; a faint ochreous line on discocellular, finely darker edged; outer line remote, straight on costa, slightly outcurved and inbent to before discocellular, angled and outcurved to inner margin as a postmedial line, and is fine, indistinct, outwardly pale shaded; small terminal fuscous spots. Hind wings white; a sinuous medial fuscous line, expanding, and darker on inner margin at angle; a faint subbasal shade; a fine subterminal, wavy, dentate line; a terminal narrow ochreous shade, finely edged with dark grey.

Expanse 23 mm.

Hab. San José.

Near *A. cinerale*, Schs.

Argyractis triumphalis, sp. n.

♀. Body whitish buff; frons shaded with dark grey, the collar outwardly with brown, the abdomen dorsally with buff-brown. Fore wings: base to near middle greyish brown anteriorly, on inner margin somewhat browner, limited by an inbent whitish shade, and dark brown medial line from costa to submedian; beyond this buff-brown on costa; a white streak through end of cell, downbent beyond it; below cell whitish, suffused with yellow to inner margin and termen, but interrupted by a small white spot postmedially below vein 2 and an opalescent spot at tornus; a postmedial brown

shade on costa, tapering to a point at vein 3, followed by a white line joining the downbent line from cell; a brown and yellow subterminal thick line from costa to vein 2, followed by a silvery-white line; the termen yellow; cilia grey, with a fuscous line at base. Hind wings white, basal half of cell and inner margin shaded with brown; a postmedial yellow spot, preceded and followed by an opalescent white streak; outer space above vein 2 yellow, with the usual terminal black space cut by metallic lilac scales, and inwardly preceded by a small white space from veins 5-7, crossed by a black line between 6 and 7; the black spot nearest vein 2 surmounted by opalescent blue and roseate scales.

Expanse, ♂ 11, ♀ 16 mm.

Hab. Esperanza.

The male has inner margin of hind wings without brown shading.

Argyractis volcanalis, sp. n.

♀. Palpi whitish buff. Head white. Collar dull grey-brown in front, shaded behind with yellowish white. Thorax white, patagia tipped with yellow-buff. Abdomen above buff-brown, the second segment dark grey; faint pale segmental lines. Fore wings: base of costa and a broad subbasal inbent line fuscous brown, enclosing a white shade on inner margin and an ochreous shade above it; also followed below cell by an ochreous and white shade; costa beyond to postmedial yellowish white, shaded with orange and crossed by a dark medial line; cell and space below it dull grey-brown, crossed by the darker medial line, which is inbent close to inner margin; this is medially white, expanding to submedian between medial and postmedial lines; a white streak on discocellular; postmedial dark brown, oblique from costa to vein 3, sharply angled towards discocellular, enclosing a small white shade, suffusing with the grey-brown shade around discocellular streak, then downturned, and out-angled below vein 2; this line is followed by a yellowish-white shade, becoming orange, but is interrupted between vein 2 and fold by a fuscous-grey streak to termen; a subterminal white streak from costa near apex to vein 3, inwardly shaded with dark brown, broadly on costa, and outwardly edged by a black line, not reaching apex; termen from apex to vein 2 orange; an inbent white streak at tornus; cilia grey, shaded with fuscous at base, cut by white streaks between veins. Hind wings white; a short grey-brown streak at cell and vein 2, and a small spot near inner

margin above angle; a broader and longer vertical streak across median, nearer end of cell; a subterminal similar streak from near apex to vein 3; termen from vein 2 to near apex metallic golden, preceded by a velvety-black space broken into five spots by metallic lilac shades.

Expanse 19-27 mm.

Hab. Turrialba, Poas.

Ambia argyractalis, sp. n.

♀. Palpi, head, collar, and thorax creamy white, the latter medially shaded with grey. Abdomen whitish, with broad transverse segmental grey shades, dorsally interrupted at base. Wings thickly irrorated with fuscous grey on a whitish ground; a fine outbent subbasal white line, suffusing with a white streak on submedian from base, and with a short white streak on inner margin to antemedial, which is also fine, whitish, edged with darker grey, outcurved from costa; a broad medial whitish shade on costa; discocellular line fine, edged with white; postmedial deeply outcurved to near termen, fuscous, terminating at vein 2; a postmedial curved whitish shade below vein 2, in a line with discocellular; termen whitish, with a subterminal greyish line; a fine terminal black line; cilia long, the basal half buff, crossed by two fuscous lines, the outer half silvery grey. Hind wings: base white; a tuft of long black scales below vein 2 medially; a fuscous subterminal line, inangled at vein 2, followed by a narrow white shade; outer margin sinuous; small quadrate velvety-black spots on either side of veins 2-4, separated by orange streaks and preceded by silvery scales. Underneath whitish, the veins and costal margins shaded with pale brown; the outer lines fuscous brown, distinct; the terminal lines on fore wings broken into minute spots.

Expanse 20 mm.

Hab. Juan Vinas.

Near *A. metalophota*, Hmps. n.

Ambia intortalis, sp. n.

♀. Body white, banded with brown-orange. Wings white, the markings yellowish brown. Fore wings: basal third of costa yellow-brown, extending into cell; inbent subbasal and antemedial lines; a medial line, followed by a brown shade in cell, inbent on inner margin; a lunular line on discocellular, edged with fuscous, followed by yellowish streaks on veins; the costa postmedially yellowish; terminal

space yellow-brown; outer line white, edged with fuscous, inbent at vein 3 to discocellular, then yellow, downbent, and outwardly oblique; a subterminal broken white line, edged with fuscous. Hind wings: an antemedial line; a medial line, followed by a dark brown shade from below vein 2 to inner margin, above vein 2 yellow-brown, expanding, enclosing a small whitish shade beyond cell, and outwardly edged with fuscous, which is followed by an irregular white postmedial line; terminal space as on fore wings.

Expanse 16 mm.

Hab. Carillo.

Ambia perornatalis, sp. n.

♀. Head white; vertex behind brown. Thorax white, crossed by a brown line behind; patagia brown, spotted with white in front. Abdomen above brown, with white segmental lines at base. Wings yellow-brown, shaded with darker brown, the spots silvery white edged with fuscous; a small spot on costa near base; a large spot on inner margin from cell, inbent towards base, followed by a small spot between fold and submedian; a spot on costa just beyond middle, followed by a short streak below costa; a large medial spot on inner margin, its upper edge downbent along vein 2; a small elongated spot beyond cell; a large outer spot from costa, inwardly oblique to vein 4; a postmedial streak between veins 2 and 3; a large spot at tornus; a marginal spot from veins 4-6; a whitish streak at apex. Hind wings: a broad antemedial fascia; a small spot beyond cell; a large oblique postmedial spot from costa to vein 4, a minute spot below it, and elongated spot to inner margin near angle; marginal white spots, the largest at apex and between veins 2 and 3.

Expanse 17 mm.

Hab. San Gerónimo.

Near *A. leucoplaca*, Hmps. n.

Nymphula fluvialis, sp. n.

♀. Body white; some yellow-buff shading on shoulders, thorax behind, and segmentally at base of abdomen. Wings white; a fuscous line on costa at base; a subbasal similar line, becoming yellowish buff below cell; antemedial pale yellow shades on costa, in cell, below it, and on inner margin; a medial fuscous line, diverging below cell and forming a ring; a pale yellow spot at end of cell, its outer edge incurved; an indistinct sinuous, postmedial, fuscous line; a

broad and irregular subterminal yellow-buff shade; a similar terminal shade, expanding at vein 3. Hind wings: a geminate antemedial fuscous line, partly filled in with dark irrorations; a large yellow-buff spot at end of cell; a post-medial fuscous line, inangled on vein 6, then outcurved, inbent at vein 4, and straight from 3 to just above angle on inner margin; an irregular subterminal and terminal yellow-buff shade.

Expanse 18 mm.

Hab. Sixola.

Oligostigma mollitalis, sp. n.

Body and wings white. Fore wings: a black spot at base of cell; a brown basal line on costa, followed by a large yellowish spot; an antemedial yellowish curved line; discocellular surrounded by a fuscous line, except behind, where the inner portion of line continues as a wavy yellowish medial line to inner margin, the outer portion expanding between veins 3 and 5, also yellowish, and is upbent to costa as a fine postmedial line; some yellowish streaks and dark irrorations beyond discocellular and above it; a subterminal yellowish shade, followed by a fine fuscous line from and incurved at apex; terminal orange streaks at apex. Hind wings: antemedial, postmedial, and subterminal lines, slightly curved, and shaded with brown on inner margin.

Expanse 13 mm.

Hab. Carillo, Sixola, Esperanza.

Oligostigma profusalis, sp. n.

♀. Palpi white, streaked above with olive-brown. Body dark olive-brown; white lines on frons near eyes; patagia edged with white; segmental white lines on abdomen. Wings olive-brown. Fore wings: two whitish lines at base inbent from costa; an outbent medial whitish fascia from costa to submedian fold, then sharply inbent along inner margin, edged by a geminate fuscous line filled in with clearer white; a similar postmedial space, wide on costa, its outer edge incurved below vein 6, so that it forms a narrow oblique projection to just below vein 2; a subterminal white line, edged with black, its inner margin incurved below vein 4, making it broader; termen narrowly bright yellow; cilia silvery grey, crossed by a fuscous line at base. Hind wings: base narrowly white; a broad white medial fascia, crossed by fuscous lines near its margins; outer space

yellowish brown; a subterminal white line edged with fuscous from below vein 4 to near anal angle; outer margin indented above vein 3 and above vein 5; a terminal velvety-black line from just below vein 4 to near apex, cut by yellow veins, and partly with small white spots on interspaces; termen bright yellow beyond the subterminal white line.

Expanse 29 mm.

Hab. Guapiles.

Near *O. cryptalis*, Dr.

Aulacodes delicata, sp. n.

♂. Head, collar, and thorax dark olive-brown; a few fine white scales on vertex and collar, thorax laterally whitish. Abdomen bistre, shaded with white at base. Fore wings olive-brown, the lines white; a fine antemedial line, nearly vertical, inbent on inner margin; a fine medial line, outwardly oblique; postmedial outbent, thicker, indistinctly suffusing with the similar outer line, which is inbent; subterminal broad, slightly inbent above tornus, suffusing at apex with terminal line, which is broad to vein 5, only faintly indicated below it. Hind wings dark grey-brown, with faint indications of a pale medial and subterminal line.

Expanse 15 mm.

Hab. Carillo, Esperanza.

Parthenodes incultalis, sp. n.

♂. Palpi, head, collar, and thorax whitish, irrorated with bistre-grey. Abdomen white, dorsally shaded with pale buff, the base irrorated with grey. Fore wings semihyaline greyish white; the base broadly and margins opaque white, shaded with bistre and irrorated with dark grey, the irrorations less apparent on costa; faint bistre shadings in cell; discocellular streak bistre, inwardly edged with some black irrorations; some faint bistre shadings before terminal white space. Hind wings white, irrorated with dark grey, forming a more distinct medial shade, postmedial space somewhat hyaline, tinged with bistre and crossed by dark irrorations.

Expanse 17 mm.

Hab. Carillo.

Clupeosoma lavinia, sp. n.

♀. Palpi orange-brown. Head, collar, and thorax brownish grey; some white on vertex. Abdomen dorsally brownish buff, laterally white. Fore wings: the base nar-

rowly and margins clear dark brownish grey, the discal space semihyaline whitish, crossed by orange-brown veins and broken into spots by dark brown lines; a large antemedial spot from subcostal to near inner margin, preceded by a small spot below cell; a large medial spot in cell and one below, cut by an orange-brown shade on fold; discocellular broadly brownish grey, suffusing with costa and expanding behind along median; a fine incised postmedial line, outcurved from costa to vein 6, again to vein 3, then sinuous to submedian; the terminal dark space widest between veins 5 and 6 and from vein 3 to inner margin; a terminal black line; margin incurved below apex and below vein 3; cilia buff in curves, otherwise fuscous. Hind wings opalescent white, the termen narrow brown-grey. Hind wings below with a fine broken postmedial line and terminal fuscous points; a medial brown spot on costa.

Expanse 20 mm.

Hab. Juan Vinas.

Piletocera inconspicua, sp. n.

♀. Body and wings grey-brown; some white shading on vertex; segmental white lines on abdomen. Fore wings: a subbasal fuscous line and antemedial point in cell; an oblique streak on discocellular and medial line below it to inner margin, its upper end faintly downbent on vein 2; outer line thick on costa and slightly incurved and oblique to tornus, outwardly pale shaded; the costa at apex shaded with buff; a broad terminal fuscous line intersected by veins. Hind wings: a medial line; an outer line from costa to vein 2 at termen, which it follows to anal angle. Wings below white, the fore wing shaded with fuscous; the lines very distinct; the medial lines on hind wings from discal spot to inner margin.

Expanse 16 mm.

Hab. Sixola.

Stenia carillalis, sp. n.

♂. Palpi fuscous brown, fringed below with white. Frons dark grey. Vertex, collar, thorax, and base of abdomen white, the shoulders shaded with brown, the abdomen terminally with dark grey. Fore wings dirty white, lines fuscous brown, also costa to beyond middle; a curved subbasal line; an antemedial linear quadrate spot in cell; reniform large, linear; a medial line on inner margin, downbent above vein 2 to outer line, which is rather heavier, straight

from costa to vein 5, then slightly outcurved; a terminal dark shade from apex to vein 4, and small spots below it. Hind wings white; a medial line, slightly interrupted below cell, the inner portion of line downbent above vein 2; outer line irregular from costa to termen at vein 2; a slight dark shade at apex and terminal points.

Expanse 18 mm.

Hab. Carillo.

Stenia pacificalis, sp. n.

♂. Palpi dark brown, fringed below with white. Frons dark grey, vertex white; collar and thorax grey-buff, the collar outwardly and shoulders brown. Abdomen above whitish at base, otherwise dark brown crossed by whitish segmental lines. Wings whitish, thickly irrorated with grey-brown. Fore wings: costa darker shaded, the markings fuscous; a curved subbasal line; an antemedial point in cell and one below it; a streak on discocellular and wavy medial line from cell to inner margin; a slightly irregular vertical outer line; small terminal spots. Hind wings: base of inner margin clearer; a wavy medial line; a wavy outer line to termen at vein 2. Hind wings below with medial line absent on costa and just below cell.

Expanse 22 mm.

Hab. Poas.

♀. Hind wings white, with lines as in male; otherwise very much like *S. poasalis*, Schs.; also near *S. datialis*, Dr.

Stenia poasalis, sp. n.

♂. Palpi black. Head buff. Collar grey, outwardly shaded with fuscous. Thorax and abdomen grey, irrorated with grey-brown, the abdomen dorsally shaded with fuscous. Fore wings whitish, thickly irrorated with grey-brown, the lines fine, darker; an antemedial dark point in cell and faint streak on discocellular; an outer line, vertical, to inner margin near tornus; cilia buff-grey, crossed by a darker line. Hind wings white; costal margin narrowly grey-brown; a wavy postmedial line from costa to vein 2, then upbent to near cell and downturned to inner margin; a dark terminal line; cilia whitish, crossed by a dark line. Hind wings below similar, but with a small dark spot on discocellular anteriorly.

Expanse 27 mm.

Hab. Poas.