

## NEW SPECIES OF NOCTUIDÆ FROM TROPICAL AMERICA.

BY WILLIAM SCHAUS.

**Noctua herculeana**, sp. nov.

Head and thorax reddish brown. Abdomen gray. Primaries at the base violaceous, limited by a geminate velvety black basal line; the antemedial line partly geminate, oblique and not reaching the inner margin, most heavily marked on the costa; the space before the antemedial line grayish; the median space violaceous brown; orbicular indistinct, partly surrounded by black; the reniform large, diffuse, whitish gray; the postmedial line fine, geminate, followed by a row of small spots; the postmedial space light brown, followed by the broad dark violaceous brown margin. Secondaries smoky brown. Expanse, 60 mm.

*Habitat*: Trojes, Mexico.

**Agrotis aureolum**, sp. nov.

Head golden yellow. Collar and thorax concolorous, dark reddish brown. Primaries similar to *Agrotis malefida* Gn, but browner and the postmedial line more distinct. Secondaries pure white. Expanse, 40 mm.

*Habitat*: Castro, Parana.

**Agrotis perotensis**, sp. nov.

Body light reddish brown. Primaries light reddish brown; the lines very fine and slightly darker; basal and antemedial lines somewhat oblique and hardly wavy; the postmedial very slightly curved beyond the cell and marked by minute points on the veins; subterminal line wavy, paler than the ground color and inwardly shaded with darker brown especially towards the costa; orbicular large, very oblique; reniform large, kidney shaped, both spots olive brown, surrounded by a pale line. Secondaries white with a slight reddish brown tinge; fringe darker; discocellular well marked. Expanse, 41 mm.

*Habitat*: Las Vigas, on the Cofre de Perote. Elevation 10,000 ft.

**Agrotis oaxacana**, sp. nov.

Body very dark brown, almost black. Primaries blackish brown; lighter brown along the basal half of costa to below cell; the antemedial and postmedial lines geminate, indistinct; a subterminal light brown shade crossed on veins 4 and 5 by black streaks; claviform very small; orbicular and reniform hardly perceptible; some light brown spots at the base of the fringe. Secondaries smoky black, whitish towards the base; fringe golden. Expanse, 39 mm.

*Habitat*: Oaxaca, Mexico.

I have only received 2' ♀ ♀ of this distinct species.



**Agrotis molepa**, sp. nov.

♂. Antennæ pectinated. Head and thorax light reddish brown. Abdomen yellowish white. Primaries light reddish brown; antemedial line replaced by three black spots, on costa, median and submedian veins; postmedial line punctiform, black, hardly curved on costa and parallel with outer margin; reniform small, black. Secondaries pearly white. Expanse, 36 mm.

*Habitat*: Castro, Parana.

What I consider as the ♀ of this species has the primaries dark reddish brown with transverse black striæ, making the costal margin much darker; orbicular represented by a black point; reniform small, black. Secondaries white, thinly speckled with black. Expanse, 42 mm.

*Habitat*: Castro, Parana.

**Amathes gasiva**, sp. nov.

Head and thorax dark gray, the scales tipped with white, and a black central line on the collar. Abdomen brown with a subdorsal basal tuft of dark gray scales. Primaries dark gray; the basal line black, indistinct; the antemedial line black, outwardly curved between the veins; the postmedial inwardly curved between the veins, more narrowly black, but very distinct and followed by a line of dark scales; the subterminal wavy, lighter gray, preceded and followed by a brownish shade; the veins on outer margin blackish; the claviform outlined in black; the orbicular and reniform large, tinged with brown and irregularly outlined with black; a broad dark brown median shade crossing the wing between the spots. Secondaries brown, whitish towards the base; a terminal white line. Underneath light grayish with a minute discal spot and postmedial line. Expanse, 28 mm.

*Habitat*: Las Vigas, Mexico. Elevation 10,000 ft.

Strongly resembles *A. tesselloides* Grote.

**Amathes yaxcaba**, sp. nov.

Head and thorax gray, the anterior portion of collar velvety black. Abdomen light grayish brown. Primaries gray, minutely speckled with black; a basal black line not reaching the inner margin; the antemedial line diffusely angulate, irregular, sometimes only visible on the costal margins; the postmedial represented by a black spot on costa; the subterminal most indistinct, forming a faintly darker shade near costa; reniform indistinctly and unevenly outlined in black. Secondaries white, with a fine terminal brown line. Underneath primaries and costal margin of secondaries grayish. Expanse, 33 mm.

*Habitat*: Orizaba, Mexico.

This species is allied to *A. lubricans* Gn, and the ♀ is easily distinguished by the white secondaries.

**Mentaxya butleri**, sp. nov.

Body light gray. Primaries silvery gray with all the markings very indistinct; a basal interrupted line; a geminate antemedial and a geminate postmedial line



darker gray; a median and a subterminal reddish brown shade; the orbicular and reniform finely outlined in dark gray. Secondaries white, the margins faintly shaded with brown. Expanse, 30 mm.

*Habitat*: Jalapa, Mexico.

There is a specimen of this species in the B. M. from Rio Janeiro.

**Mentaxya biformis**, sp. nov.

Head and thorax gray with a reddish or black spot anteriorly on the collar. Primaries gray, crossed by numerous transverse brownish striæ; a minute dark basal spot on the costa; the antemedial line straight, inwardly oblique, crossing the clavi-form which is represented by a small black spot; outer line curved beyond the cell, indistinct; orbicular absent; reniform small, reddish brown. In the ♀ the lines and reniform are also absent. Secondaries pearly white in the ♂, the margins shaded with brown in the ♀. Expanse, 33-36 mm.

*Habitat*: Sao Paulo, S. E. Brazil.

I may here mention that *Mentaxya lucilla* Btl., is a synonym of *A. messium* Gn.

**Anicla mahalpa**, sp. nov.

Head and thorax light gray or pale buff, the anterior portion of thorax sometimes reddish or velvety brown. Primaries light gray or pale buff with transverse darker striæ, and thinly speckled with black; a few reddish scales in the cell and subterminally; the outer margin irregularly dark gray; a terminal row of dark points; three dark points on the costa; orbicular absent; reniform spotted and surrounded by small black sagittate marks. Secondaries and fringe pearly white. Expanse, 38 mm.

*Habitat*: Castro, Parana.

The peculiar reniform and pearly white secondaries distinguish this species from *A. incivis* Gn., to which it is otherwise allied.

**Carneades colima**, sp. nov.

Head and thorax brownish yellow. Primaries brownish yellow, brightest along the costal margin and at the base; two small dark brown basal spots, below the costa and median vein; antemedial line dark brown, angular; postmedian line punctiform on the veins, connected by a lunate shade; the subterminal very fine, indistinct; the extreme margin brownish with a terminal row of black points; orbicular represented by a brownish patch; reniform large, kidney shape, brownish, circled with yellow. Secondaries white with an interrupted dark terminal line. Expanse, 41 mm.

*Habitat*: Colima, Mexico.

**Carneades cofrensis**, sp. nov.

Head and thorax grayish; collar with a black posterior line. Abdomen light brown. Primaries light green, mottled with brown; basal and antemedial lines white, connected by a brown patch below the median vein; some brownish shades on the costa and a large white spot above the median vein; space between spots and before



orbicular brown; claviform large, brown; orbicular greenish, speckled with brown and broadly circled with white; reniform large, indistinctly outlined and shaded with brown and partly margined with white; postmedial line brown, denticulate, outwardly shaded with white and outwardly preceded by a brown shade below the reniform; subterminal indistinct, forming a broad shade; a terminal row of triangular black spots; fringe gray. Secondaries light gray, with a darker terminal line and the discal spot of the underside clearly visible. Expanse, 35 mm.

*Habitat*: Las Vigas on the Cofre de Perote, Mexico. Elevation 10,000 feet.

**Polyphænis psittacea**, sp. nov.

Head and thorax bright green. Abdomen brown with a few subdorsal greenish tufts. Primaries bright green; the lines brown, geminate; the antemedial irregular wavy, the basal straight, the postmedial crenulate; the subterminal shade heavy and irregular, brown, followed apically by some brownish spots; a terminal crenulate black line. Secondaries reddish brown, paler towards the base; an interrupted darker terminal line; the fringe partly green. Underneath primaries reddish brown; secondaries lighter brown, with a discal spot, postmedial line, and broad marginal band all reddish brown. Expanse, 35 mm.

*Habitat*: Aroa, Venezuela. Jalapa, Mexico.

**Polyphænis aurea**, sp. nov.

Head and thorax bright green. Abdomen golden yellow with a brownish subdorsal line. Primaries bright green; basal marks blackish, irregular, antemedial line brown, geminate from costa to median vein only, then single, fine angular to inner margin; postmedial line fine, black, wavy, deeply curved beyond the cell, and bordering a large brown median space on the inner margin; vein 6 black, from postmedial line to outer margin; subterminal shade only visible at apex. Secondaries golden yellow with a large apical reddish brown spot. Primaries below with the basal half and inner margin golden yellow, otherwise dark brown; secondaries below golden yellow with a broad brown band on the apical half of the outer margin, and a small brown spot on the costal margin. Expanse, 40 mm.

*Habitat*: Aroa, Venezuela.

**Mamestra zobira**, sp. nov.

Body dark brown, paler dorsal tufts on the abdomen. Primaries dark violaceous brown, the lines fine, black; the basal line outwardly, the antemedial line inwardly shaded with reddish brown; the postmedial line crenulate, outwardly shaded with reddish brown; the subterminal broken into an irregular row of reddish brown spots, inwardly shaded with black, the spot at inner angle being the largest; a few minute pale spots on the costa; the orbicular absent; the reniform indistinct, mottled with reddish brown scales. Secondaries whitish in the disc, otherwise black. Expanse, 31 mm.

*Habitat*: Orizaba, Mexico. Jamaica, W. I.



**Mamestra janeira**, sp. nov.

Body dull brown. Primaries reddish brown, darker along the costa and outer margin; the lines fine, black, basal line geminate, angular; antemedial line geminate, wavy; postmedial line crenulate, followed by points on the veins; subterminal line punctiform outwardly shaded with yellowish brown; orbicular large, dark, finely outlined in black and fusing with the darker costal margin; reniform light reddish brown, partly outlined in black, with a minute white spot in its lower portion; a dark median shade curved, and connected to the lower portion of the reniform by a dark line. Secondaries dull brown; underneath paler with a postmedial dark wavy line and a large black discal spot on the secondaries. Expanse, 35 mm.

*Habitat*: Rio Janeiro.

**Mamestra trocas**, sp. nov.

Head and thorax light dull brown; abdomen paler. Primaries light brown, lines darker, very fine and indistinct; the basal and antemedial lines wavy and slightly curved; a dark median shade angled below the reniform; the postmedial geminate, widely apart, broken, almost punctiform; a subterminal row of small black spots, outwardly shaded with white towards the apex; a yellowish white spot at the inner angle; the spots faintly outlined in black, the reniform containing a few yellowish scales. Secondaries light smoky brown. Expanse, 33 mm.

*Habitat*: Castro, Parana.

This species is closely allied to *M. dotata* Druce.

**Mamestra baruna**, sp. nov.

♂. Antennæ pectinated, yellow. Head and thorax reddish brown; abdomen grayish brown; anal hairs rufous. Primaries dark reddish brown, the lines indistinct; the antemedial outwardly curved between the veins; a postmedial and a subterminal row of black points; the costal margin and fringe reddish; the orbicular minute, circled with white; the reniform large quadrate, whitish gray. Secondaries pale yellowish with an indistinct marginal shade. Expanse, 40 mm.

*Habitat*: Castro, Parana.

The ♀ has the primaries rich reddish brown, the veins somewhat darker; the spots as in the ♂. Secondaries brownish black with reddish fringe.

**Mamestra subpicta**, sp. nov.

Body dark gray; abdomen rufous beneath. Primaries above dark blackish gray, the lines black and indistinct; some mottling from the base to the antemedial line, and the space between the postmedial and subterminal lines, light brown; a terminal row of black points and some brownish spots on the fringe; orbicular small, reniform, large, both light brown circled with black. Secondaries very dark brown, the fringe whitish. Underneath the primaries light rufous along the costa and subterminal space; the cell and apical half of outer margin black; a wavy black postmedial line. Secondaries below whitish, thickly mottled with reddish, scales towards the apex; a



large black discal spot, and the commencement of a broad black antemedial band ; a wavy black postmedial line. Expanse, 22 mm.

*Habitat* : Orizaba, Mexico.

**Hecatera marmica**, sp. nov.

Head and collar whitish speckled, with black. Thorax dark gray. Abdomen light brown. Primaries blackish gray ; the lines indistinct ; the basal line followed by a broad white band from the costa to the submedian vein ; a broad subterminal white shade interrupted above angle by a dark spot, occupying inner margin from the postmedial line to the angle itself ; fringe dark gray, spotted with white ; postmedial line denticulate ; orbicular dark, hardly discernible ; reniform large, mottled gray and white. Secondaries white with the costal margin and a terminal line brownish. Expanse, 30 mm.

*Habitat* : Oaxaca, Mexico.

**Hadena lignaris**, sp. nov.

Head and collar light brown : posterior portion of collar and two transverse lines reddish brown. Thorax reddish brown. Abdomen light brown. Primaries reddish brown with numerous longitudinal light and dark brown lines ; the transverse lines hardly perceptible, light brown and very irregular ; spots small, indistinct with a central dark point. Secondaries brown, semitransparent towards the base ; a discal spot. Expanse, 34 mm.

*Habitat* : U. S. Colombia.

This species is allied ♂ *Hadena ordinarius* Btl., and *H. patina* Harv. Both *ordinarius* and *patina* are common in Mexico and may eventually prove to be the same species.

**Alibama scuroba**, sp. nov.

Head and thorax blackish brown ; abdomen lighter brown. Primaries blackish brown with the markings very indistinct ; the lines fine, velvety black ; the basal line angular, the antemedial outwardly curved between the veins, the postmedial inwardly curved ; the subterminal shade narrow, brown, followed by a dusky dark gray marginal shade ; the spots finely outlined in black. Secondaries pearly white with a terminal dark line and some postmedial clusters of dark scales on the veins. Expanse, 30 mm.

*Habitat* : Sao Paulo, S. E. Brazil.

The female has the outer half of the secondaries black, the base white. Expanse, 36 mm.

This species bears a strong resemblance to the dark forms of *Alibama terens* Wlk.=*A. pulchra* Mösch, but the secondaries are very distinct.

**Oligia niveiplaga**, sp. nov.

Head, collar and patagiæ light reddish brown ; thorax white ; abdomen brown. Primaries light brown ; the inner margin white, the upper portion of this white space



circular ; the lines fine, black, indistinct, not crossing the white portion of the wing ; orbicular and reniform finely outlined in black ; a broad black streak from the cell across lower portion of reniform to the outer margin ; the subterminal shade white, indistinct. Secondaries white, the apex and adjoining portion of outer margin brown ; a minute discal spot beneath. Expanse, 27 mm.

*Habitat* : Aroa, Venezuela.

**Oligia apicalis**, sp. nov.

Head and collar grayish yellow ; thorax reddish gray. Primaries reddish gray speckled with black, forming indistinct lines ; the apical portion of the wing beyond the cell and from inner angle dark brown ; on the inner margin close to angle a reddish brown shade, above which the indistinct subterminal shade of reddish brown crosses the dark portion of the wing ; an apical reddish gray spot. Secondaries brown in the ♀, paler at the base in the ♂. Expanse, 32 mm.

*Habitat* : Aroa, Venezuela ; Castro, Parana.

**Oligia thoracica**, sp. nov.

Head, collar and thorax light reddish brown, the scales tipped with white ; patagiæ dark velvety brown. Abdomen light brown. Primaries brown, slightly mottled with gray ; the basal line black, outwardly shaded with white ; the antemedial line black, forming three curves and outwardly oblique, the costal portion outwardly shaded with white ; the postmedial line white on costa, then finely black, outwardly shaded with white, on which some minute black points are visible to the inner margin ; a dark brown shade descends from the costa on the inner side of reniform and joins the postmedial line at vein 2 ; a black space on the costa beyond the postmedial, and a dark streak between veins 4 and 5 ; the subterminal shades indistinct, yellowish, followed by some grayish shades ; the orbicular round, pure white ; the reniform brown, indistinct, surrounded by darker shadings. Secondaries whitish with a marginal brown band ; the discal spot and postmedial line of the underside distinctly visible. Expanse, 30 mm.

*Habitat* : Sao Paulo, S. E. Brazil.

**Oligia cadema**, sp. nov.

Head and collar reddish brown, thorax gray. Abdomen grayish brown. Primaries brownish gray, palest beyond the postmedial line ; basal line indistinct, pale ; antemedial line light grey, forming three large curves and outwardly oblique ; an inwardly oblique dark shade from the antemedial at the mediah vein to the base of the inner margin ; the postmedial line geminate, finely crenulate, the space within partly lilacine ; a darker shade to the outer margin between veins 3 and 4 ; the subterminal shade indistinct, gray, shaded on either side with brown ; a very dark line in the cell between the spots ; orbicular punctiform, white ; reniform large, oblique, grayish, outlined with black. Secondaries in both sexes pearly white, the apex and part of the outer margin smoky ; the discal spot and punctiform postmedial brown line of the underside visible above. Expanse, 27 mm.

*Habitat* : Castro, Parana. Described from seven specimens showing variability.



**Trachea paranica**, sp. nov.

Head and collar brownish gray. Thorax mottled olive, gray, black and white. Abdomen dark gray. Primaries olive green, thickly mottled with lilacine gray, all the veins being of the latter color; a broad median band being most devoid of mottling; the basal line black, broadly shaded with white outwardly; the antemedial line black, curved between the veins and inwardly bordered with white; the postmedial crenulate, indistinct, slightly shaded outwardly with white; the subterminal broad, white, and very wavy, outwardly shaded with black at the middle of the inner margin and above the inner angle; a terminal row of black points; the margin lilacine gray; orbicular small, grayish; reniform dark circled, indistinct. Secondaries whitish at the base, otherwise grayish black. Expanse, 35 mm.

*Habitat*: Castro, Parana.

**Praina**, gen. nov.

Eyes naked. Antennæ pectinated. Fore tibiæ without spines; mid tibiæ with three terminal spines; hind tibiæ with two pairs of spines. Primaries with outer margin rounded; vein 8 and 9 anastomosing to form the areole. Secondaries with veins 3 and 4 slightly stalked. Abdomen long, stout, conical.

**Praina radiata**, sp. nov.

Head and thorax dark velvety brown; a pale line between antennæ and posteriorly on collar. Thorax pale buff; patagiæ with a broad dark brown band. Abdomen light brown. Primaries pale buff; a broad brown space below subcostal vein, and also below median vein; the submedian shaded on either side with brown; the intervenal spaces on the outer margin dark brown. Secondaries yellowish white with a terminal brown line. Underneath primaries and costal margin of secondaries brown. Expanse, 32 mm.

*Habitat*: Castro, Parana.

**Leucania oriza**, sp. nov.

Primaries light pinkish gray with a slightly darker central shade from the base to the outer margin; a few black scales scattered over the wing; the median nervure between veins 2 and 3 faintly white, above which there is a minute black point; a terminal row of black points. Secondaries smoky gray, whitish at the base. Expanse, 30 mm.

*Habitat*: Orizaba, Mexico.

**Leucania jaliscana**, sp. nov.

Head and abdomen ochreous; collar light reddish brown with three transverse gray lines. Primaries light ochreous, the subcostal and median veins slightly grayish; the fringe and a triangular shade on the outer margin dark reddish brown; a light reddish brown shade at the end of the cell, and a white spot on the median vein; some antemedial clusters of dark scales below the median vein; a postmedial row of black points. Secondaries white with a terminal fine brown line; the base of the fringe ochreous. Expanse, 32 mm.

*Habitat*: Guadalajara, Mexico.



**Leucania oaxacana**, sp. nov.

Head ochreous gray. Collar and thorax light gray speckled with black. Primaries light gray, the veins faintly whitish, black scales scattered over the wing, thickly so along the median vein on which is a white spot containing a black point; a postmedial row of black spots; a terminal row of black spots. Secondaries whitish gray, the veins and a terminal line brownish. Expanse, 33 mm.

*Habitat*: Oaxaca, Mexico.

**Leucania misteca**, sp. nov.

Head and thorax reddish gray. Primaries pinkish gray speckled with black; the outer margin darker with long fine black streaks between the veins; a dark central shade from the base to beyond the cell; a minute whitish spot on the median vein; a postmedial and a terminal row of black points. Secondaries white; a terminal row of black spots between the veins; the apex and base of the fringe smoky. Expanse, 35 mm.

*Habitat*: Oaxaca, Mexico.

**Leucania orizaba**, sp. nov.

Body reddish gray; the collar posteriorly dark gray, anteriorly with two fine black transverse lines. Primaries light reddish gray, the veins paler, and darker longitudinal streaks between the veins; some black points below the median vein; the postmedial row of black points very much curved, inwardly oblique, geminate from beyond the cell; a whitish speck on the median vein preceded and followed by a broad black streak; a terminal row of black points; a subapical dark shade on the outer margin. Secondaries grayish brown, paler at the base; the base of the fringe yellowish. Expanse, 35 mm.

*Habitat*: Orizaba, Mexico.

**Atethmia targa**, sp. nov.

Head and thorax brown, the scales tipped with white. Abdomen rufous brown. Primaries brown powdered with whitish scales, the lines whitish; the basal line almost invisible; the antemedial line somewhat oblique outwardly and shaded with darker brown especially on the basal side; a median brownish shade crossing the reniform which is indistinct; the postmedial line strongly angled beyond the cell and slightly curved inwardly to the inner margin; the subterminal line slightly wavy; the orbicular represented by a brownish dot. Secondaries silvery white; a broken terminal black line. Expanse, 24 mm.

*Habitat*: São Paulo, S. E. Brazil.

**Atethmia editha**, sp. nov.

Head and thorax light brown, the scales tipped with white; the collar edged with white. Primaries brown thickly speckled with white scales, the veins finely whitish; all the transverse lines fine whitish; the basal line indistinct; the antemedial line curved on costa, then outwardly oblique to inner margin; the postmedial line the heaviest and followed by a whitish shade, this line and the subterminal being parallel with the outer margin; a terminal lunular brown line; the fringe mottled brown and



gray; the orbicular and reniform distinct and dark, both finely edged with white. Secondaries silvery white in the ♂, smoky in the ♀. Expanse, 30 mm.

*Habitat*: Castro, Parana.

**Atethmia paulensis**, sp. nov.

Body pale fawn color. Primaries silvery fawn color crossed by an antemedial, postmedial and subterminal line; these three lines are fine, brown, and angled near the costa; the fringe brownish; the spots not visible. Secondaries white, the fringe and margins narrowly silvery fawn color. Underneath fawn color with traces near the costa of a postmedial and subterminal line; a minute spot at the end of the cell on the primaries. Expanse, 32 mm.

*Habitat*: Sao Paulo, S. E. Brazil. This species is nearly allied to *A. rectifascia* Grote, from the United States.

**Dacira ranapa**, sp. nov.

Palpi brown tipped with white. Head white. Collar brown with some white scales posteriorly. Thorax dark brown. Abdomen light brown with a subdorsal white tuft on the first segment. Primaries above with the base dark brown, limited by the antemedial lighter brown wavy line; the median space white; the orbicular and reniform indistinctly outlined in gray, the latter crossed by a smoky brown band, which is slightly oblique from the costa and then forms a single outward curve to the inner margin; the postmedian line denticulate, velvety brown; a large dark brown patch from the reniform to the postmedial line; a brownish patch on the costal margin beyond the postmedial and not reaching the apex; the outer margin yellowish shaded with dark brown on the extreme margin; fringe dark brown; the subterminal represented by a few scattered dark brown scales. Secondaries whitish with the outer margin broadly grayish brown. Underneath whitish; the outer half of the primaries brownish; the secondaries with a wavy, postmedial line, a small discal spot and some grayish scales along the costal margin. Expanse, 23 mm.

*Habitat*: Castro, Parana.

**Cucullia lilacina**, sp. nov.

Head and anterior portion of collar dark gray; collar otherwise and thorax light gray; abdomen gray with the dorsal tufts dark brown. Primaries lilacine gray without the usual longitudinal streaks; the base, inner margin, and heavy streak above the inner angle, dark brown; the fringe on the inner margin partly black; the apical portion beyond the cell light reddish brown, becoming darker on the costa, where there are three small white spots; the orbicular of the ground color finely outlined in black; the reniform light reddish brown, indistinct; a blackish shade from the costa, between the spots not reaching the median vein. Secondaries sordid white, the veins and outer margin brownish. Expanse, 40 mm.

*Habitat*: Orizaba, Mexico.

**Cucullia strigata**, sp. nov.

Head very dark gray; collar and thorax lighter gray of the same shade as *C. postera* Gn; abdomen still paler, with dark gray dorsal tufts. Primaries same color



as thorax ; same general shadings as in *C. convexipennis* Grote, but darker ; a long basal streak below the median vein ; another dark streak starting on the median vein at a third from the base and continuing along vein 5 to nearly the outer margin. Secondaries sordid white at the base, the outer margin broadly dark brown. Expanse, 45 mm.

*Habitat*: Jalapa, Mexico. This species bears a similarity to *C. convexipennis* Grote, but the color is quite different.

**Chloridea distincta**, sp. nov.

Head and thorax light olive green. Abdomen brownish. Primaries light olive green ; a brown line inwardly shaded with paler green from close to the apex on the costal margin to nearly the middle of the inner margin. Secondaries brown in the ♀, the fringe white. Secondaries in the ♂ white with a broad brown margin. Underneath primaries brown, with the costa, apex and outer margin gray. Secondaries grayish with a large brown space at anal angle ; a postmedial dark line and discal spot. A discal spot also on underside of primaries. Expanse, 32 mm.

*Habitat*: Sao Paulo, S. E. Brazil.

**Acontia obscura**, sp. nov.

Head, collar, thorax below, and abdomen of the ♂ ventrally, also the tibiæ, bright orange : tarsi black ; the hind tibiæ black at points. Abdomen and thorax dorsally dark greenish black. Primaries dark greenish black. Secondaries bluish black. Expanse, 36 mm.

*Habitat*: Guadalajara, Mexico.

**Acontia trilinea**, sp. nov.

Head, collar and body beneath, orange yellow. Thorax orange, the patagiæ bordered with greenish black ; abdomen dorsally black. Primaries olive green ; the costal vein broadly yellow to nearly the apex ; the median vein narrowly yellow, this color extending for a short distance on veins 3 and 4 ; the submedian vein broadly yellow. Secondaries bluish black. Expanse, 34 mm.

*Habitat*: Jalapa, Mexico. Possibly an extreme form of *A. obscura* Schs.

**Tarache pyralidia**, sp. nov.

Head and collar light rufous. Thorax dark brown. Abdomen light brown. Primaries gray shaded with dark brown on the basal third ; the outer margin broadly light rufous, inwardly shaded with brown ; the fringe brownish. Secondaries whitish, faintly smoky along the outer margin. Expanse, 19 mm.

*Habitat*: Oaxaca, Mexico.

**Tarache axendra**, sp. nov.

Head and collar dark olivaceous green. Thorax black. Abdomen brown. Primaries dark olivaceous brown ; traces of antemedial and postmedial black lines, beyond the latter clusters of steel gray scales extending toward the apex ; similar



clusters on the inner margin ; three large white spots on the costal margin, and a whitish patch close to anal angle ; the extreme outer margin and fringe steel gray ; a terminal row of black spots. Secondaries brown, darkest on the outer margin. Underneath the secondaries are fuscous with a terminal brown shade and some dark spots on the costal column. Expanse, 21 mm.

*Habitat* : Guadalajara, Mexico.

**Tarache mizteca**, sp. nov.

Head and thorax dark steel gray. Collar whitish. Abdomen yellowish, Primaries with the anterior half olivaceous and three large spots on the costal margin ; the inner margin dark steel gray, with traces of an antemedial and postmedial dark line ; a large white spot at the anal angle containing some clusters of grayish scales and a terminal interrupted black line. Secondaries white with the outer margins brownish yellow, especially at the apex. Underneath yellowish, the dark portions of the primaries visible. Expanse, 25 mm.

*Habitat* : Oaxaca, Mexico.

**Tarache jaliscana**, sp. nov.

Head black. Collar and thorax white. Abdomen brown above, white below. Primaries white, the marginal third of the wing violaceous brown shaded inwardly with olive green ; some terminal patches of lilacine scales, and a double grayish terminal line ; the basal third of the costal margin steel gray. Secondaries white in the ♂ with smoky margins, entirely brown in the ♀. Expanse, 35 mm.

*Habitat* : Guadalajara, Mexico.

**Tarache duenna**, sp. nov.

Head creamy white. Thorax grayish. Abdomen dark gray with transverse whitish lines. Primaries violaceous, mottled with brown and black scales ; a large white spot on the centre of the costal margin, inferiorly bordered with olivaceous green ; some whitish scales at the base and also on the outer margin below the apex. Secondaries yellowish white, the outer margin smoky. Expanse, 21 mm.

*Habitat* : Sao Paulo, S. E. Brazil.

**Eustrotia berthia**, sp. nov.

Head and collar grayish. Prothorax fawn color. Abdomen light brown. Primaries with the basal half creamy fawn color shaded with longitudinal brown streaks ; the outer half lilacine gray with a subterminal white line preceded by some whitish shades ; a few apical dark brown streaks. Secondaries white in the ♂ with a terminal brown line, and minute spot in the cell ; slightly smoky at the apex. Secondaries brown in the ♀. Expanse, 20 mm.

*Habitat* : Sao Paulo, S. E. Brazil.

**Xanthoptera auruda**, sp. nov.

Body and primaries bright yellow ; a broad transverse orange line, curved beyond the cell and inwardly oblique to the middle of the submedian vein ; the orbicular and reniform represented by orange dots ; a similar dot below the orbicular ; a terminal



brown line; the fringe dark gray. Secondaries pale yellowish, shaded with brown on the outer margin. Expanse, 20 mm.

*Habitat*: Sao Paulo, S. E. Brazil.

***Galgula cuprea*, sp. nov.**

Head and abdomen brown. Thorax violaceous. Primaries violaceous; the outer margin broadly coppery red; the antemedial line irregular, olivaceous, finely bordered with brown; the postmedial line straight, olive green, divided by a fine brown line and inwardly shaded with dark brown; a small triangular olivaceous patch resting on the postmedial line beyond the cell and having a white line at its base. Secondaries brown. Expanse, 18 mm.

*Habitat*: Castro, Parana.

***Galgula castra*, sp. nov.**

Body and primaries light violaceous brown. The lines and spots as in *G. partita* Gn., but having in addition a distinct subterminal wavy line. The secondaries are yellowish white. Expanse, 25 mm.

*Habitat*: Castro, Parana. *Rivula mandane* Druce, of which I possess the type is merely one of the paler forms of *G. partita* Gn.

***Palindia hermura*, sp. nov.**

Body bright yellow, the collar and thorax outlined with white. Primaries above bright yellow; a basal spot on the costa reaching the median vein, a broad and irregular antemedial band, and a spot on the costa at two-thirds from the base all lilacine faintly outlined with black; at the anal angle a white line, shaded with lilacine striæ, extends to vein 5. Some small black apical costal spots; a dark terminal line; the fringe yellow tipped with silvery white. Secondaries whitish yellow shaded with bright yellow below the cell and along the margins; on the outer margin a large spot, white and lilacine shaded with darker striæ. Underneath the wings are pale yellowish white. Expanse, 26 mm.

*Habitat*: Jalapa, Mexico; Aroa, Venezuela.

***Dyomyx volcanica*, sp. nov.**

Body and wings lightish brown. Primaries with a fine dark velvety basal line from costa to the submedian vein; a large irregular dark velvety brown triangular space from the costa to just above the inner margin, limited by the antemedial and medial lines which are pale; an oval dark spot surrounded by a yellowish line and containing a fine blue point extends from this space to the inner margin; the reniform large irregularly outlined with dark brown; the postmedial line dark, angular, only visible near the costal margin; a subterminal row of dark spots beyond which the outer margin is darker; a terminal dark line preceded by a row of yellowish dots; fringe dark brown. Secondaries with a terminal yellow line; some brown and black scales on the outer margin surmounted by a cluster of bluish scales, above which two yellowish curved lines edged with black extend towards the cell and outer margin; the fringe brown, towards the apex yellowish. Underneath brown with a postmedial dark wavy line, and an antemedial line on the secondaries. Expanse, 43 mm.

*Habitat*: Orizaba, Mexico.



**Dyomyx jonesi**, sp. nov.

Body brown. Primaries above with the basal half dark reddish brown, the outer half lighter brown, separated by an oblique transverse line from the middle of the costal margin to the inner margin at two-thirds from the base; this line outwardly shaded with yellowish; just above the inner margin and close to this line a black spot surrounded by an orange line and containing a white dot; a dark basal line from the costa to the median vein; an oblique, dark antemedial line from costa to middle of inner margin; a postmedial line from costa to vein 3, where it is lost in a cluster of grayish scales which extend to the inner margin; the reniform large, outlined in dark brown; a subterminal irregular line of dark sagittate spots outwardly shaded with yellowish; a terminal dark gray line. Secondaries dark brown; a subterminal yellowish line surmounted near the anal angle by white and lilacine scales, above which an irregular yellowish line extends towards the cell and also towards the outer margin; a terminal gray line; the fringe partly yellowish. Underneath the wings are brown with a wavy dark postmedial line, and an antemedial shade on the secondaries. Expanse, 46 mm.

*Habitat*: Sao Paulo, S. E. Brazil.

**Oræsia serpens**, sp. nov.

Palpi, head and thorax dark brown. Abdomen light brown, laterally buff. Primaries above dark silky brown, the veins tinged with violaceous; two dark median transverse lines, the outer one the more conspicuous and forming a border to the tooth on the inner margin; a subterminal dark wavy line, not reaching the submedian vein and extending abruptly to the outer margin, forming an angle which encloses a small yellowish spot. Secondaries brown, fringe whitish. Underneath primaries dull brown with the costal margin whitish. Secondaries whitish, the outer margin dull brown, and a dull brown streak at the base of the costal margin; a small brownish discal spot whitish in the center. Expanse, 35 mm.

*Habitat*: Jalapa, Mexico.

**Phrodita bilinea**, sp. nov.

Palpi orange. Head, thorax and abdomen creamy white. Primaries above creamy white, the costal margin finely orange; a velvety black streak below the median vein, not quite reaching the outer margin; a black point in the cell followed by a black streak to the outer margin and which is crossed at the end of the cell by a whitish line. Secondaries white. Underneath primaries yellowish white, showing indistinctly the streak on the upper side; secondaries white. Expanse, 33 mm.

*Habitat*: Castro, Parana.





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