

Atopochilus macrocephalus, sp. n.

Depth of body $\frac{2}{3}$ its greatest width, 5 times in total length. Head much depressed, once and $\frac{1}{3}$ as long as broad, its length twice and $\frac{3}{4}$ in total length, its upper surface slightly rugose; snout broadly rounded, its length twice and $\frac{1}{3}$ postocular part of head; nostrils nearer end of snout than eye, the diameter of which is $6\frac{1}{2}$ times in length of head and twice and $\frac{1}{2}$ in interorbital width; buccal cleft $\frac{3}{5}$ length of head; band of præmaxillary teeth interrupted in the middle, as broad as the lower lip; lateral barbel $\frac{1}{4}$ length of head, more than twice as long as posterior barbel. Occipito-nuchal shield broader than long. A striated, acutely pointed humeral process. Dorsal I 6; spine striated, $\frac{2}{5}$ length of head. Adipose fin 3 times as long as deep, $\frac{2}{3}$ its distance from rayed dorsal. Anal 9 (3 rays rudimentary). Pectoral spine striated, with 8 retrorse teeth on its inner border, its length $\frac{2}{5}$ that of the head. Ventral reaching origin of anal. Caudal peduncle slightly longer than deep.

Slate-grey when fresh, with three yellowish bars on the body, the first above the pectoral fin, the second in front of the adipose fin, the third on the caudal peduncle; head greenish grey above, greenish yellow beneath; fins greenish yellow, ventrals, anal, and caudal with a dark brown bar; iris greenish grey, with a golden streak on upper part.

Total length 75 mm.

A single specimen. Native name: *Kibanda*.

Only one species was hitherto known of the remarkable Silurid genus *Atopochilus*, Sauvage—*A. Savorgnani*, Sauv., from the Upper Ogowe, in which the head is contained $3\frac{2}{3}$ times in the total length and the eye $4\frac{1}{2}$ times in the length of the head and not more than twice in the interorbital width; the dorsal and pectoral spines are longer, and there are 11 anal rays instead of 9.

XVII.—On new Thyrididæ and Pyralidæ.

By Sir GEORGE F. HAMPSON, Bart., B.A., F.Z.S., &c.

THE numbers refer to papers on the classification of the Thyrididæ (P. Z. S. 1897, pp. 603–633), the Chrysauginæ (pp. 633–692); the Epipaschianæ, Endotrichinæ, and Pyralinæ (Trans. Ent. Soc. 1896, pp. 451–550).

Thyrididæ.

(5 a.) *Dysodia rufiflava*, sp. n.

♂. Head red-brown; thorax and abdomen fiery red; pectus and legs pale brownish red; abdomen with the basal half white, then deep red. Fore wing with the basal and costal areas and veins fiery red, the medial area below cell and the terminal area yellow; an elliptical hyaline spot in end of cell; two ill-defined, slightly waved and curved, antemedial brown lines; two very indistinct red medial lines on the yellow medial band with dark striæ on them in and just below cell; a broad red-brown postmedial band, its outer edge angled outwards at veins 5, 4, then incurved; an oblique brown line from costa before apex to middle of termen; a series of brown points from the angle of postmedial band to tornus. Hind wing with the basal and costal areas fiery red-brown, the terminal half of wing yellow reticulated with red; two or three ill-defined interrupted dark brown lines on the basal dark area; a quadrate hyaline spot in end of cell; an ill-defined, irregular, dark brown postmedial line from costa to vein 2; a slightly curved red-brown line from costa beyond middle to middle of termen, diffused towards apex; a dark red-brown line from vein 2 to tornus.

Hab. SINGAPORE (*Ridley*), 1 ♂ type. *Exp.* 24 mm.

(8.) *Dysodia pennitarsis*, sp. n.

Mid legs of male with large fringe of scales and hair on terminal joint of tarsi.

Fiery orange-red; palpi and tegulæ brown, the former with fine pale line on second joint at sides; mid tarsi with the fringe of scales black; hind tarsi with the extremity blackish; abdomen with fine blackish subbasal lines. Fore wing with dark striæ forming somewhat reticulate lines; a curved antemedial line; a medial line excurved in cell; a prominent oblique straight black postmedial line, slightly angled below costa, and confluent with a small diffused blackish mark from below costa beyond middle; a very slightly curved oblique line from costa just beyond the postmedial line to middle of termen; cilia dark brown with some pale patches above tornus. Hind wing with dark striæ forming somewhat reticulate markings; a rather reniform hyaline patch in end of cell edged with dark brown; a prominent oblique line from middle of costa to tornus, above which it forks; a slight oblique line from costa beyond

middle to near termen at vein 4, where it is acutely angled, then parallel to termen; cilia dark brown, whitish at tips in the emarginations below middle. Underside of fore wing with irregularly elliptical deep chocolate patch edged with black beyond and below lower angle of cell, traversed by the reddish veins.

Hab. SUMATRA (*de Nicéville*), 1 ♀; BORNEO, Sandakan (*Pryer*), 1 ♂ type. *Exp.* 40 mm.

(3.) *Mathoris lenistrialis*, sp. n.

♀. Fiery red; wings uniformly and rather thickly marked with inconspicuous deeper red striæ; the underside rather paler, with the striæ slightly more prominent, some of them forming an ill-defined somewhat darker oblique postmedial band on fore wing not reaching costa, and an indistinct oblique postmedial line on hind wing.

Hab. GOLD COAST (*W. H. Johnson*), 1 ♀ type. *Exp.* 26 mm.

(4.) *Mathoris multiguttata*, sp. n.

♂. Wings rather long and narrow. Head and collar dark grey and rufous; thorax and abdomen chalky white, the latter with the medial segments dorsally suffused and the terminal segments banded with dark grey. Fore wing dark grey, the costal area suffused with rufous; five rather ill-defined bands of annulate white marks, the first three almost coalescing below the cell; a prominent black-centred white spot on an apical rufous patch. Hind wing dark grey striated with black; a postmedial band of annulate white spots expanding into a large triangular patch at tornus. Underside of fore wing with a large rufous black-speckled patch on disk, the veins towards and beyond end of cell streaked with metallic scales.

Hab. BOLIVIA, Tanampajo. *Exp.* 26 mm. Type in Coll. Staudinger.

(4 a.) *Striglina pallidirufa*, sp. n.

♀. Rather pale rufous. Fore wing with rather sparse pale fuscous striæ forming obscure reticulations; faint traces of an oblique line from beyond the cell to middle of inner margin; terminal half of costal edge whitish, with medial, postmedial, and subterminal short black streaks. Hind wing with rather sparse pale fuscous striæ forming obscure reticulations; an indistinct oblique medial line with some slightly deeper rufous suffusion beyond it. Underside

with the striæ rather more prominent; fore wing with slight black discoidal bar, rather concave towards base.

Hab. SOLOMONS, Gizo I. (*Meek*), 1 ♀. *Exp.* 36 mm.

(4 b.) *Striglina flammans*, sp. n.

♀. Fiery red; palpi, tegulæ, tips of patagia, and medial part of abdomen tinged with brown; pectus, legs, and ventral surface of abdomen pale brown. Fore wing with numerous brown reticulate lines formed of striæ; a rather triangular brown patch beyond the cell with an oblique line from it, expanding below vein 2 and forking above inner margin; a brown line obliquely excurved from costa beyond middle to vein 5, slightly incurved at vein 4, retracted below vein 3, and ending at tornus; terminal half of costal edge alternately streaked with black and whitish; cilia dark brown, whitish at tips above tornus. Hind wing with numerous reticulate lines formed of brown striæ; a brown mark below middle of costa with line from it to inner margin; cilia dark brown, with whitish tips in two slight emarginations towards tornus. Underside with the ground-colour pale brown.

Hab. PERU, Perené (*Simons*), 1 ♀ type. *Exp.* 36 mm.

(6.) *Striglina guttistigma*, sp. n.

Fore wing with the termen excised toward tornus.

♀. Head, thorax, and abdomen pale dull red-brown; pectus, legs, and ventral surface of abdomen pale rufous, the front of pectus deep rufous. Fore wing pale dull red-brown with numerous indistinct dark striæ; indistinct oblique dark antemedial and medial lines, the area beyond the latter tinged with fuscous and glossed with silvery grey to near termen; a reddish-ochreous postmedial patch between veins 7 and 1, with two small round white spots on its upper extremity, expanding at middle, and with three similar small white spots on inner and outer sides; terminal area reddish ochreous. Hind wing ochreous tinged with red-brown, the basal area greyish; numerous reticulate brown lines formed of striæ; an irregular red-brown medial band expanding somewhat at middle and narrowing to a point at inner margin. Underside more ochreous with rufous reticulations, some blackish suffusion round the postmedial patch on fore wing.

Hab. NIGERIA, Sapele (*Sampson*), 1 ♀ type. *Exp.* 36 mm.

(2.) *Camadena emarginalis*, sp. n.

Hind wing with the termen acutely angled at veins 7

and 2, then with two slight excisions towards tornus; fore wing with the termen excised towards tornus.

♀. Head, thorax, and abdomen rufous; pectus, legs, and ventral surface of abdomen whitish. Fore wing rufous, with yellowish-white patches reticulated with fine rufous markings; a small elliptical antemedial spot in cell and somewhat quadrate patch on inner area; a somewhat quadrate medial patch from below costa to just below cell and a rather oblique elliptical spot on inner area; an elliptical postmedial patch from costa to vein 5, a patch beyond angle of cell between veins 4 and 2, and a patch from vein 3 to inner margin near tornus; two minute spots on costa towards apex. Hind wing with the basal area yellowish white, closely reticulated with rufous markings, the terminal half rufous with a rounded rufous-reticulated yellowish patch below costa beyond middle confluent with a large patch extending from vein 5 to submedian fold, the inner edge of which is confluent with the basal area, an interrupted medial narrow band, the apical and tornal areas being left rufous. Underside of fore wing with dark brown antemedial striæ on costa and in cell, and irregular postmedial patches on costal and inner areas; hind wing with small dark brown spots on and below middle of costa.

Hab. DUTCH N. GUINEA, Kapaur (*Doherty*), 1 ♀ type. *Exp.* 24 mm.

Genus ENDOLOPHIA, nov.

Palpi upturned, the second joint reaching vertex of head, the third long; antennæ of male simple; tibiæ with the spurs short; abdomen long, the claspers very long and with long genital tufts. Fore wing with all the veins from the cell, vein 8 absent. Hind wing with vein 5 from above lower angle of cell; 6 from below upper angle, the inner area largely tufted with long hair on underside.

Endolophia hypohæmia, sp. n.

♂. Head, thorax, and abdomen red-brown mixed with grey; the genital tufts ochreous. Wings bright red-brown, variegated with grey and ochreous, and striated with darker red; a dark discoidal point to fore wing; a curved greyish-ochreous postmedial band and similar narrower subterminal band on both wings. Underside strongly suffused with crimson; the tufts of hair ochreous and fuscous.

Hab. BR. GUIANA, Berg-en-Daal (*Ellacombe*), 1 ♂ type in Coll. Rothschild. *Exp.* 18 mm.

(2 a.) *Rhodoneura pexa*, sp. n.

Antennæ bipectinate with moderate branches to apex in both sexes.

Head rufous; thorax and abdomen grey-white; legs rufous, except tarsi, the hind tibiæ black at extremities. Fore wing ochreous tinged with rufous, the costa suffused with white, reticulate with indistinct rufous markings (except on marginal areas, which have only a few faint striæ); traces of oblique greyish ante- and postmedial bands; cilia white at tips. Hind wing ochreous tinged with rufous and reticulate with rufous markings, very faint on terminal area; a greyish medial band defined by rufous striæ, the reticulations before and on its middle filled in with yellow. Underside with the reticulations on basal half of fore wing and medial band of hind wing deep rufous filled in with yellow.

Hab. MASHONALAND, Umtali (*Marshall*), 1 ♀; CAPE COLONY, 1 ♂ type. *Exp.*, ♂ 26, ♀ 36 mm.

(2 b.) *Rhodoneura sparsireta*, sp. n.

♂. Antennæ bipectinate. Yellowish white; head and thorax partly suffused with red-brown; abdomen slightly ringed with brown; wings striated with rufous. Fore wing with curved antemedial line; a line from costa near the first line to lower angle of cell, where it joins the oblique medial line which forks at costa; a postmedial line angled outwards below costa, where it anastomoses with a curved line from costa before apex to middle of termen, angled inwards at middle, and outwards above vein 2, where it gives off a spur to termen. Hind wing with oblique medial line connected by spurs at middle and above inner margin with the sinuous subterminal line, which gives off two spurs to termen above middle and one below.

Hab. CUBA. *Exp.* 20 mm. Type in Coll. Staudinger.

(14 a.) *Rhodoneura acygoniata*, sp. n.

Fore wing with the termen slightly angled at middle; hind wing with it acutely angled.

♂. Pale rufous; wings reticulated with darker rufous. Fore wing with some rufous markings at base; an antemedial band angled below costa, then oblique; a postmedial band acutely angled below costa, then oblique and forking towards inner margin, some dark marks beyond it at middle; an oblique band across apical area curving round and reaching termen above middle; a submarginal band

from inner margin to vein 5, where it is bent inwards. Hind wing with dark rufous subbasal band; a medial band constricted at middle and inner margin; a large apical patch and a short submarginal band below the angle of termen.

Hab. COLOMBIA. *Exp.* 40 mm. Type in Coll. Staudinger.

(14 b.) *Rhodoneura eugrapha*, sp. n.

Pale rufous; palpi, antennæ, and a bar between their bases deep rufous; patagia and metathorax with deep rufous patches; abdomen with more or less complete deep rufous dorsal stripe, the terminal segments blackish. Fore wing thickly reticulated with deep rufous; a rufous fascia on base of costa, then just below costa to apex; an antemedial rufous line slightly angled outwards below costa, then oblique; an almost medial line forked towards costa and slightly incurved below the cell; a somewhat oblique postmedial line forked towards costa and inner margin; a line across apical area from costa to termen at vein 4; a rather triangular patch on termen from below vein 3 to tornus. Hind wing thickly reticulate with deep rufous; oblique antemedial and medial rufous lines; a line across apical area from costa to termen at vein 4; a rather annulate mark on termen at vein 2; cilia deep rufous.

Hab. ASHANTI, Kumassi (*Whiteside*), 1 ♂, 1 ♀ type. *Exp.* 38 mm.

(14 c.) *Rhodoneura leucosticta*, sp. n.

Hind wing with the termen strongly excised from apex to vein 4, then excurved, and the cilia crenulate.

♂. Head and base of tegulæ pale rufous; palpi, frons, and antennæ dark brown; thorax dark brown, the tips of patagia, pectus, and legs with some ochreous; abdomen dark brown with some ochreous on ventral surface. Fore wing rufous, the marginal areas suffused with dark brown and glossed with silver; numerous dark striæ forming four indistinct narrow bands across the cell; some short black streaks in interspaces beyond the cell; the inner area with oblique dark medial band from cell to inner margin, with small quadrate white spots, each formed of two striæ on each side of it in submedian interspace; an oblique dark postmedial band from vein 6 to inner margin; an indistinct curved subterminal line; two black subapical points. Hind wing pale rufous thickly striated with darker rufous, forming obscure reticulations; the extreme base black; a small discoidal black spot and spot on middle of inner margin; an

oblique medial narrow band with waved edges, ending at tornus; apical area deeper rufous, with curved inner edge. Underside similar; fore wing with black subapical point on a whitish spot with black annulus.

Hab. BR. GUIANA (*Roberts*), 1 ♂ type. *Exp.* 32 mm.

(17 a.) *Rhodoneura nephelopera*, sp. n.

Head, thorax, and abdomen deep rufous; front of thorax and dorsum of abdomen with a purplish-silvery gloss; pectus, legs, and ventral surface of abdomen rather paler; wings rufous with a golden gloss, thickly and nearly evenly reticulate with pale and deep rufous lines. Fore wing with the base, costal area, and area beyond the cell to apex and down to vein 3 deep rufous suffused with purple; cilia with two white patches at tips below apex and two above tornus. Hind wing with the extreme base deep rufous; cilia with the tips chequered white and rufous. Underside of fore wing with the subcostal nervure and base of veins beyond upper angle of cell finely streaked with black and white, the terminal area between veins 8 and 2 suffused with purple, with a curved white streak below extremity of vein 8.

Hab. ASSAM, Khâsis, 2 ♂, 1 ♀ type. *Exp.* 24 mm.

(18 a.) *Rhodoneura euprepes*, sp. n.

♀. Head, thorax, and abdomen pale ferruginous, the last dorsally tinged with brown except at base and anal tuft; wings uniform pale silky ferruginous, with numerous evenly disposed indistinct rufous striæ; hind wing with oblique red subbasal line; the underside redder, with numerous prominent dark striæ and ill-defined rufous lines.

Hab. BR. GUIANA, Bartica (*Kaye*), 1 ♀ type. *Exp.* 24 mm.

(20 a.) *Rhodoneura gemmata*, sp. n.

♂. Bright rufous. Fore wing with dark rufous striæ forming obscure reticulations; two slight antemedial lines somewhat retracted to costa; two slight postmedial lines approximated below costa, the outer one oblique to below vein 4, then incurved and ending at tornus; an oblique line across apical area. Hind wing with dark rufous striæ forming obscure reticulations; a slightly darker rufous subbasal band; a similar medial band from vein 5 to inner margin, towards which it narrows. Underside paler, with the reticulations more distinct; fore wing with the basal part of cell irrorated

with black and metallic-blue scales; some yellow hair above and below this part of cell and at upper angle.

Hab. NIGERIA, Old Calabar (*Crompton*), 1 ♂ type. *Exp.* 26 mm.

(30 a.) *Rhodoneura bullita*, sp. n.

♂. Head, thorax, and abdomen deep rufous, the metathorax, pectus, and legs rather paler. Fore wing deep rufous, with numerous small white rounded spots reticulated with rufous forming very ill-defined antemedial, medial, and postmedial bands with other spots between them, the medial band expanding at end of cell, the postmedial with series of four spots beyond it between veins 6 and 2; a triangular patch on termen below apex, its apex above vein 5; some spots just before middle of termen. Hind wing deep rufous, mostly covered with rather small, rounded, whitish spots reticulated with rufous forming very ill-defined bands, the area below base of cell and beyond the cell between veins 5 and 2 marked with minute rather X-shaped black spots.

Hab. N. PERU, Hauncabamba, 2 ♂ type. *Exp.* 52-56 mm.

(33 a.) *Rhodoneura miosticta*, sp. n.

♂. Pale rufous; palpi dark brown; tegulae bright rufous; abdomen with dorsal series of dark brown spots. Fore wing thickly but rather faintly reticulate with dark brown; the costa dark towards base; traces of a small discoidal lunule; a dark point in middle of submedian fold; a prominent subterminal spot above vein 5 with two slight marks above it. Hind wing thickly but rather faintly reticulate with dark brown; a slight subterminal point above vein 5.

Hab. ASHANTI, Kumassi (*Whiteside*), 1 ♂ type. *Exp.* 26 mm.

(50 b.) *Rhodoneura lateritiata*, sp. n.

♂. Pale chestnut-red; abdomen suffused with pale pink; wings with numerous dark striæ; fore wing with pinkish tinge in and below cell; hind wing with the inner area pinkish. Underside of fore wing with the costal and inner areas and an oblique patch below middle of terminal area pink; a black point on a pink spot at apex. Hind wing pinkish white, with dark striæ and irregular series of pink spots.

Hab. BORNEO. *Exp.* 28 mm. Type in Coll. Staudinger.

(64 a.) *Rhodoneura palealides*, sp. n.

♂. Head and pectus orange; palpi pale yellow, the second

joint with black lateral line, the third joint black; antennæ black, the basal joint pale yellow; thorax pale yellow; fore legs black in front, the spurs and tarsi black, the latter with pale rings; abdomen yellowish white. Fore wing pale yellow; the costal edge black, the median nervure and veins 1 to 7 fuscous; a fine fuscous terminal line. Hind wing yellowish white; a fine fuscous terminal line.

Hab. MASHONALAND, Salisbury (*Marshall*), 1 ♂ type. *Exp.* 42 mm.

(65 a.) *Rhodoneura ferruginosa*, sp. n.

♂. Bright ferruginous red. Fore wing with numerous indistinct deep rufous striæ; a rufous postmedial line ex-curved from costa to vein 4, then incurved, with some deeper rufous suffusion before it; the striæ on terminal area forming an ill-defined sinuous subterminal line. Hind wing with numerous deep rufous striæ forming ill-defined lines. Underside with a slight silvery gloss, the striæ rather more prominent.

Hab. SIKHIM (*Dudgeon*), 1 ♂ type. *Exp.* 30 mm.

(65 b.) *Rhodoneura flavicilia*, sp. n.

♀. Bright ferruginous; tarsi ringed with white; wings with a slight silvery gloss and numerous deeper rufous striæ. Fore wing with antemedial and medial lines; an oblique postmedial line with another from just beyond it on costa to tornus; an oblique line across apical area. Hind wing with slight antemedial and medial lines; a line from costa beyond middle to tornus with traces of another line beyond it and a curved line across apical area; both wings with fine dark terminal line, the base of cilia rufous with dark irroration and yellow tips. Underside with slight silvery irroration, the lines more prominent.

Hab. RHODESIA, Bulawayo (*Eyles*), 1 ♀ type. *Exp.* 22 mm.

(80 d.) *Rhodoneura nubila*, sp. n.

♂. Head dark reddish brown; thorax and abdomen greyish fuscous; legs and ventral surface of abdomen pale. Fore wing dull rufous clouded with purplish fuscous on basal, inner, and terminal areas beyond end of cell, the suffusion being formed by obscure dark reticulations. Hind wing dull rufous with obscure purplish-fuscous reticulations, especially at base, beyond end of cell, and at apex. Underside with the reticulations rather more prominent.

Hab. BR. GUIANA, Bartica (*Kaye*), 1 ♂ type. *Exp.* 28 mm.

(80 e.) *Rhodoneura aurifera*, sp. n.

♂. Head and thorax rufous; pectus and hind legs whitish; abdomen whitish dorsally suffused with black. Fore wing rufous, the inner area tinged with grey, the termen purplish grey, numerous fine blackish striæ forming reticulations; a triangular golden-yellow patch from middle of costa to lower angle of cell, and a similar but less prominent patch tinged with rufous from apical part of costa to vein 5, the former slightly reticulate, the latter prominently, the grey suffusion extending from termen between the two patches; cilia white. Hind wing pale rufous with prominent dark striæ forming reticulations; an indistinct dark subbasal line; termen purple-grey; cilia white.

Hab. PARAGUAY, Sapucay (*Foster*), 1 ♂ type. *Exp.* 24 mm.

(6.) *Plagiosella pectinifera*, sp. n.

♂. Head, thorax, and abdomen rufous; wings pale rufous thickly striated with ferruginous. Fore wing with fine ante-medial rufous line excurved below costa, then incurved; a medial line almost straight on left wing, sinuous on right; a postmedial line forking above vein 5, one branch reaching inner margin beyond middle, the other sinuous and ending at tornus; a line across apical area. Hind wing with medial line forking at vein 5, one branch ending on inner margin above tornus, the other on termen below middle; a sinuous line from costa before apex to termen at vein 2.

Hab. SIERRA LEONE (*Clements*), 1 ♂ type. *Exp.* 40 mm.

Pyralidæ.

EPIPASCHIANÆ.

Genus MICROPASCHIA, nov.

Palpi upturned, slender, reaching vertex of head, the third joint short; maxillary palpi filiform; antennæ of male with long cilia, a slender process from basal joint fringed on both sides with long hairs and reaching to metathorax; tibiæ smoothly scaled. Fore wing very narrow, the termen obliquely curved; vein 2 from near angle of cell; 3, 4, 5 stalked; 6 from upper angle; 7, 8, 9, 10 stalked, 7, 8 bent downwards, and 7 given off long beyond 9 towards termen; 11 from cell. Hind wing with vein 2 from before angle of cell; 3, 4, 5 stalked; 6, 7 stalked, and 8 anastomosing with them to near apex.

Micropaschia orthogrommalis, sp. n.

♂. Head, thorax, and abdomen grey-brown; pectus, legs, and ventral surface of abdomen grey irrorated with brown, the tarsi brownish ringed with white. Fore wing grey irrorated and suffused with brown; a diffused red-brown spot below middle of cell; a strong straight blackish line from middle of costa to inner margin beyond middle; a slight discoidal lunule; a punctiform postmedial line oblique from costa to vein 6, then inwardly oblique; termen slightly more suffused with brown and with obscure series of dark points. Hind wing greyish, uniformly suffused with brown.

Hab. FR. GUIANA, St. Jean Maroni (*Schaus*), 1 ♂ type. *Exp.* 16 mm.

(4 a.) *Arnatula constantialis*, sp. n.

♂. Antennæ with short thickly scaled process on basal joint; fore wing with no glandular swelling on costa, which is somewhat concave, the apex produced upwards and the termen oblique; vein 3 well separated from 4, 5.

Head and collar pale rufous; thorax and abdomen creamy white with rufous tuft on metathorax; abdomen fuscous towards extremity, the anal tuft fulvous. Fore wing with the basal area clothed with black and cream-coloured scales bounded by an erect black line defined by white on outer side; the medial area cream-coloured, extending along costa almost to the submarginal line; the outer area fuscous; a sinuous white subterminal line excurved at middle and much incurved in submedian fold. Hind wing whitish tinged with fuscous towards termen; an ill-defined sinuous white subterminal line, obsolete towards tornus.

Hab. EGYPT, Suez Canal. *Exp.* 28 mm. Type in Coll. Rothschild.

(2.) *Tioga melazonalis*, sp. n.

Tioga atrifascialis, Hmps. A. M. N. H. (7) xiv. p. 182 (nec Hulst).

Head, thorax, and abdomen white slightly irrorated with brown; palpi with black patches on first and second joints at sides; tegulæ with black patches at base; fore and mid legs with the extremity of femora and base of tibiæ black. Fore wing slightly tinged and irrorated in parts with brown; short black streaks at base on costa and below cell; an antemedial rufous band mostly suffused with black and becoming deep black at costa, its inner edge slightly angled

inwards below cell, its outer edge slightly sinuous and with a faint oblique medial line just beyond it; a faint postmedial line slightly excurved beyond lower angle of cell and with raised black scales towards inner margin; a double subterminal line with slight black streaks before it on the veins, and some fuscous suffusion beyond it at apex and slight rufous suffusion before and beyond it at inner margin; a terminal series of black striæ. Hind wing white, slightly tinged with brown on terminal half; a fine dark terminal line.

Hab. BAHAMAS, Nassau (*Sir G. Carter*), 2 ♂ type; JAMAICA, Runaway Bay (*Walsingham*), 1 ♂, Constant Springs, 1 ♂. *Exp.* 18 mm.

(3.) *Tioga forealis*, sp. n.

Fore wing of male with small triangular fovea in end of cell.

♂. Head and thorax white mixed with some black; palpi with the third joint black; antennæ black except at base; tegulæ with black patches; tarsi black ringed with white; abdomen whitish suffused with fuscous. Fore wing white; a black patch at base of costa; a broad rather oblique black band just before middle, expanding on inner half; a broad, rather diffused, incurved, black band from apex to inner margin before tornus, the area beyond it tinged with fuscous; a terminal series of black points; cilia with a fuscous line through them. Hind wing white slightly tinged with brown, especially towards termen; a dark terminal line; a pale fuscous line near base of cilia.

Hab. FR. GUIANA, Cayenne (*Schaus*), 1 ♂ type, St. Jean Maroni. *Exp.* 14 mm.

(2 a.) *Pococera nigribasalis*, sp. n.

Pococera robustella, Druce, Biol. Centr.-Am., Het. ii. p. 199 (part.) (nec Zell.).

♀. Head and thorax grey mixed with fuscous; tarsi black ringed with grey; abdomen grey banded with fuscous. Fore wing with the basal area suffused with black, deepening towards its outer edge, which is slightly sinuous; a broad medial grey band slightly irrorated with fuscous, more thickly towards costa, and with a small tuft of black scales on discocellulars; terminal area suffused with reddish brown and slightly irrorated with fuscous; an indistinct grey postmedial line excurved from below costa to vein 4, then incurved and with a small patch of black suffusion before it on vein 2; some blackish suffusion on costal area before

apex; a terminal series of black points. Hind wing yellowish white, the costal area and termen tinged with brown; cilia white, brownish towards apex.

Hab. GUATEMALA, S. Geronimo (*Champion*), 1 ♀ type. *Exp.* 24 mm.

(2 b.) *Pococera hemimelas*, sp. n.

♀. Head, thorax, and abdomen whitish tinged with rufous; palpi with the third joint black; tegulæ at middle, patagia near tips, and metathorax with a pair of small black patches; tibiæ and tarsi blackish, the latter ringed with white; abdomen dorsally tinged with fuscous. Fore wing with the basal area black, its outer edge slightly curved; a medial whitish band with nearly straight medial brown line on it; terminal area suffused with rufous and slightly irrorated with black; postmedial line rather diffused, black defined by white on outer side, oblique from costa to vein 5, then incurved and excurved to inner margin; a broad curved black band from costa before apex to termen below apex, some whitish on termen, and a prominent series of small terminal black spots; cilia pale rufous, with some fuscous points at base and a fine pale line at middle. Hind wing pale rufous, the base whitish, the termen darker; cilia whitish with a dark line near base.

Hab. PANAMA, La Chorera (*Dolby-Tyler*), 1 ♀ type; COLOMBIA, 2 ♀. *Exp.* 20 mm.

(3 a.) *Pococera rufitinctalis*, sp. n.

♀. Head, thorax, and abdomen pale rufous, the last slightly irrorated with fuscous. Fore wing pale rufous slightly irrorated with fuscous; a subbasal black point below the cell; a slight black streak below median nervure before the medial line, which is oblique, especially from costa to median nervure, and very slightly angled inwards on vein 1, some greyish suffusion beyond it; a black discoidal bar; postmedial line indistinct, dentate, excurved from below costa to vein 3, incurved in submedian interspace and excurved to inner margin, defined by greyish on outer side, forming slight streaks on the veins; a terminal series of black points. Hind wing ochreous white, the terminal area suffused with brown except towards tornus; cilia yellowish white with slight brown points towards apex.

Hab. PARAGUAY, Sapucay (*Foster*), 2 ♀ type. *Exp.* 24 mm.

(5 a.) *Pococera polialis*, sp. n.

♀. Head and thorax grey-white slightly mixed with fuscous; tibiae and tarsi banded with black; abdomen grey-white irrorated with fuscous and dorsally banded with black. Fore wing grey-white thickly irrorated with fuscous; sub-basal black points below costa and cell; a double oblique black antemedial line filled in with white and with curved black line before it from cell to inner margin, the area beyond it whiter, except towards costa, to the black discoidal point and ridge of raised black scales from below angle of cell to inner margin; postmedial line black defined by white on outer side, excurved between veins 6 and 3, and produced to minute streaks on veins 4 to 1; a slight diffused sub-terminal line, excurved at middle and the veins beyond it with short black streaks from costa to vein 5; a terminal series of black striae; cilia white with fuscous lines at middle and tips and blackish points at middle. Hind wing semi-hyaline white, the terminal area suffused with fuscous, broadly at costa, narrowing to tornus; cilia white with a fuscous line through them, the underside with traces of curved postmedial line.

Hab. JAMAICA, Runaway Bay (*Walsingham*), 2 ♀ type.
Exp. 28 mm.

(6 a.) *Pococera albiceps*, sp. n.

♂. Head and thorax grey mixed with fuscous, vertex of head white; fore tibiae and tarsi blackish ringed with white; abdomen grey slightly tinged with fuscous. Fore wing grey tinged with brown and slightly irrorated with fuscous; a fuscous mark on costa before middle with patch of raised black scales below it in cell, another patch below cell rather nearer base with a few scales forming a slight oblique line from it to inner margin; some fuscous suffusion on middle of costa, with diffused band of black scales from it to inner margin, incurved below cell, then oblique; a slight double oblique medial line filled in with white; postmedial line indistinct, diffused, defined by whitish on outer side and produced to slight dark streaks on the veins, oblique from costa to vein 4, then incurved; traces of a subterminal line slightly excurved from below costa to vein 3; a terminal series of black striae. Hind wing whitish tinged with brown, especially on apical area.

Hab. ARGENTINA, Santa Fé, Ocampo (*Wagner*), 2 ♂ type.
Exp. 22 mm.

(8 a.) *Pococera stenipteralis*, sp. n.

Palpi of male with the second joint angled in front, the third very long and extending to end of tegulæ; maxillary palpi brush-like in fold of labial palpi; antennæ without process on basal joint; hind tibiæ with fringes of long hair on inner side; fore wing narrow, veins 4, 5 from cell.

Head and thorax golden olive-green; pectus, legs, and abdomen greyish, the last dorsally tinged with rufous and fuscous. Fore wing golden olive-green, the costal and inner areas slightly irrorated with black; a slight oblique black striga below vein 1; a rufous streak above middle of vein 1 with an oblique indistinct black striga from beyond its extremity to vein 1; an indistinct pale waved medial line defined on each side by olive; a slight oblique black discoidal lunule, with an oblique diffused black bar beyond it between veins 6 and 3 emitting slight streaks on the veins; a pale postmedial line defined on inner side by olive, incurved from costa to vein 5, excurved to vein 2, angled inwards in submedian fold and bent outwards to tornus; apical area suffused with rufous and black; a terminal series of prominent black points; cilia with a rufous line through them. Hind wing semihyaline whitish, the costal and apical areas suffused with brown; a brown terminal line and slight brown line through apical part of cilia. Underside of fore wing and costal and apical areas of hind wing suffused with purplish red.

Hab. FR. GUIANA, St. Jean Maroni (*Schaus*), 1 ♂ type. *Exp.* 24 mm.

(14.) *Pococera albimedialis*, sp. n.

Pococera melanoleuca, Druce, Biol. Centr.-Am., Het. ii. p. 548 (nec Hmps.).

♀. Head and thorax white; palpi with some black at middle of first and second joints, the third joint black with white tip; tegulæ with small black spots at base and tips of dorsum; thorax with black patches; legs banded with black; abdomen white irrorated with black, leaving white segmental rings. Fore wing white; black points at base of costa and cell; a diffused subbasal band formed of spots on costa and in cell, and an oblique streak above inner margin; a diffused antemedial fuscous band ending at vein 1, its inner edge angled outwards below cell, with two small black spots beyond it below cell and a bar from vein 1 to inner margin; a round discoidal tuft of black scales; three striæ

from medial part of costa; postmedial line strong, black, angled outwards at median nervules, then rather oblique; terminal area suffused with olive, leaving some white beyond postmedial line; a terminal series of black striæ; cilia white with series of fuscous points. Hind wing white, the apical area suffused with olive; two blackish spots on vein 2 near extremity; a terminal black line; the underside with faint discoidal spot and curved postmedial line from costa to vein 2.

Hab. MEXICO, Guerrero, Amula (*H. H. Smith*), 1 ♀ type. *Exp.* 24 mm.

(15.) *Pococera subviolascens*, sp. n.

♀. Fore wing with veins 10, 11 stalked.

Head black and white; palpi banded black and white; antennæ with the basal joint white, the shaft black; thorax white; tegulæ with black band at base and points at tips; legs banded black and white; abdomen white suffused with fuscous and with slight black segmental lines. Fore wing white, the inner and terminal areas suffused with purplish fuscous; a subbasal black striga from costa; an antemedial triangular black patch from costa to vein 1, followed by a small wedge-shaped spot from costa; a slightly curved strong postmedial black line bounding on inner side the purplish terminal area, with small wedge-shaped white spot beyond it from costa; a terminal series of black striæ; cilia with a fine white line at base. Hind wing pale purplish fuscous. Underside purplish fuscous, with white spot on costa of fore wing towards apex.

Hab. ARGENTINA, Gran Chaco, Florenzia (*Wagner*), 1 ♀ type. *Exp.* 20 mm.

(16.) *Pococera africalis*, sp. n.

♀. Head and thorax brownish grey largely mixed with black; tarsi black ringed with grey; abdomen grey tinged with red-brown and irrorated with black, the terminal segments with black segmental lines. Fore wing brownish grey irrorated with black; subbasal and antemedial black spots on costa; a medial black spot on costa conjoined to a discoidal spot, a rather diffused black line from cell to inner margin; postmedial line black, diffused on inner side and defined by whitish on outer, oblique from costa to vein 5, then incurved; the apical area suffused with black; a diffused black patch on termen above tornus; a terminal series of black striæ; cilia fuscous with greyish tips. Hind

wing fuscous brown, with slightly darker patch at extremity of vein 2; cilia grey with a fuscous line through them; the underside with indistinct, diffused, curved, whitish postmedial line from costa to submedian fold.

Hab. BR. E. AFRICA, Tana R. (*Crawshay*), 1 ♀ type. *Exp.* 14 mm.

(1 a.) *Lepidogma flagellalis*, sp. n.

Antennæ of both sexes bipectinate, the basal joint in male with a long process thickly fringed with hair below and reaching beyond metathorax.

Reddish brown irrorated with black; the antennal process fringed with black hair; abdomen obscurely banded with black. Fore wing with the tufts of scales in cell black; the basal area suffused with black bounded by an obscure pale antemedial line; a postmedial dark line, oblique from costa to vein 5 and slightly angled inwards in submedian fold; the terminal area suffused with black; a series of black points on termen. Hind wing fuscous, the inner area paler.

Hab. BORNEO, Kuching, 1 ♀ type. *Exp.* 24 mm. Type ♂ in Coll. Rothschild.

(1 b.) *Lepidogma melaleucalis*, sp. n.

Antennæ of male with long process from basal joint fringed with hair and extending to beyond metathorax.

♂. Head and thorax black slightly mixed with grey; pectus and legs whitish, the tarsi banded with black; abdomen ochreous white, blackish at base and towards extremity. Fore wing with the basal area black; the medial area whitish slightly tinged with brown; a black spot at upper angle of cell connected with a black fascia on medial part of costa; postmedial line black slightly defined by whitish on outer side, somewhat incurved below vein 5; terminal area black-brown; cilia black with a fine whitish line at base. Hind wing with the basal half brownish white, the inner area suffused with fuscous; the terminal half black-brown; a slight postmedial oblique line between veins 5 and 2 defined by whitish on outer side; cilia blackish with a fine white line at base.

Hab. ASHANTI, Kumassi (*Whiteside*), 2 ♂ type. *Exp.* 16 mm.

(1 c.) *Lepidogma melanobasis*, sp. n.

♂. Head and thorax black mixed with brown and grey; pectus, legs, and abdomen grey, the last with slight dorsal

fuscous segmental lines. Fore wing with the basal area blackish with sinuous outer edge, the rest of wing whitish slightly tinged with brown and irrorated with fuscous; a small tuft of black scales in middle of cell on edge of basal area and discoidal tuft; postmedial line whitish with some fuscous suffusion before it, the area beyond it suffused with fuscous, excurved from vein 5 to 2, then incurved in submedian fold. Hind wing whitish tinged with brown, especially on apical area.

Hab. JAPAN, Yokohama (*Pryer*), 1 ♂ type. *Exp.* 20 mm.

(1 d.) *Lepidogma dentilinealis*, sp. n.

♂. Head and thorax whitish tinged in parts with rufous, the patagia with some black scales; palpi fuscous at sides; tarsi fuscous ringed with white; abdomen whitish, tinged in parts with rufous and with ill-defined subdorsal black bands, complete dorsally on third and fourth segments, the ventral surface white with some black towards extremity. Fore wing whitish suffused with rufous and irrorated with black, leaving white patches beyond the antemedial line and in and beyond end of cell; an ill-defined black streak below the cell before the nearly straight antemedial line; the fans of scales at middle and end of cell blackish; a diffused, rather dentate, oblique line from lower angle of cell to inner margin; postmedial line very oblique from just below costa to vein 4 near termen, then incurved and dentate on veins 3, 2; traces of a diffused subterminal line excurved from costa to vein 4, then incurved; the apical area suffused with black. Hind wing white, the apex suffused with fuscous; two dark marks on terminal part of vein 2.

Hab. BR. E. AFRICA, Maungu-Inkuhwa (*Betton*), 1 ♂ type. *Exp.* 22 mm.

(2 a.) *Lepidogma melanopalis*, sp. n.

♀. Head, thorax, and abdomen pale reddish brown mixed with some fuscous; tarsi fuscous with pale rings. Fore wing pale reddish brown; the basal area suffused with black, its outer edge nearly straight and somewhat oblique; a large fan of black scales at upper angle of cell; postmedial line diffused on inner side, oblique from costa to vein 5, then erect; terminal area slightly tinged with fuscous; a terminal series of blackish points. Hind wing pale rufous, the base whitish, the terminal area tinged with fuscous; an oblique postmedial line hardly traceable towards costa and ending in a prominent mark at submedian fold with some brighter rufous before it; a fine pale line at base of cilia.

Hab. BORNEO, Sandakan (*W. B. Pryer*), 2 ♀ type. *Exp.* 16 mm.

(2 b.) *Lepidogma rubricalis*, sp. n.

♀. Head, thorax, and abdomen clothed with red-brown and black scales. Fore wing red-brown with a glistening greyish gloss; some fuscous suffusion on basal inner area and a tuft of scales below the cell; traces of a curved yellowish antemedial line; a discoidal tuft of black scales; the postmedial line yellowish defined by a black line on its inner side and excurved between veins 5 and 2, some purplish-grey suffusion on its inner side and some patches of black scales between vein 5 and inner margin; the terminal area yellow-brown with some dark striæ on termen. Hind wing fuscous brown with faint traces of a postmedial line bent outwards and defined by ochreous between veins 5 and 2; the cilia ochreous with a dark line through them.

♂. Hind wing with the ground-colour ochreous white.

Hab. MASHONALAND, Salisbury (*Marshall*), 2 ♂, 3 ♀ type. *Exp.* 24 mm.

(1 a.) *Jocara trilinealis*, sp. n.

♀. Head, thorax, and abdomen white slightly tinged with brown; palpi brown except at base; fore tibiæ and fore and mid tarsi fuscous; abdomen with fine dorsal black lines on first two segments and small subdorsal spots on three penultimate segments. Fore wing white; the base suffused with reddish brown bounded by an oblique subbasal black line excurved in cell and strongly below cell, giving off a slight black streak below costa; small antemedial tufts of black scales in and below cell; some brownish suffusion before an oblique slightly sinuous medial black line; terminal area suffused with brown; a postmedial black line excurved below costa, then incurved, veins 7, 6 beyond it streaked with black; a white patch on middle of terminal area, a terminal series of small black spots; cilia white. Hind wing white, the apical area suffused with brown; a terminal series of black striæ.

Hab. BAHAMAS, Nassau (*Sir G. Carter*), 1 ♀ type. *Exp.* 22 mm.

(2 a.) *Jocara lophotalis*, sp. n.

Head, thorax, and abdomen grey-white; palpi fuscous in front; antennæ blackish, the process from basal joint in male tipped with black; patagia with fine black streak on

outer edge ; metathorax edged with black ; legs tinged with fuscous, the tarsi blackish ringed with white. Fore wing grey tinged with brown, especially on costal area ; an antemedial ridge of black scales from cell to inner margin and another from lower angle of cell ; an indistinct double waved medial line filled in with grey ; black points in middle of cell and on discocellulars ; the veins beyond the cell streaked with black to the white postmedial line slightly defined on each side by fuscous and excurved from below costa to vein 3, some black before and beyond it on costa and some brown suffusion before it down to vein 3 ; a terminal series of prominent black points ; cilia whitish with a brown line near base. Hind wing white slightly tinged with fuscous, especially on terminal area.

Hab. JAMAICA, Runaway Bay (*Walsingham*), 4 ♂, 3 ♀ type. *Exp.* 22 mm.

(2 b.) *Jocara pictalis*, sp. n.

♀. Head, thorax, and abdomen white and olive-yellow. Fore wing silvery white, with olive-yellow marks at base of costa and inner margin ; a black point at base and subbasal points below costa and median nervure ; an antemedial broad olive-yellow band with a tuft of black scales in cell, a large fan of white and black scales below the cell and a waved white line near its outer edge ; a tuft of black scales at end of cell ; some postmedial patches of black scales forming a broken waved line ; the postmedial line white and minutely dentate, defined by an olive and fuscous line on each side, with a patch of black and blue-grey beyond it on apical area and a white patch at middle ; a terminal series of black spots ; cilia pale brownish. Hind wing pale fuscous with darker terminal line, the cilia white.

Hab. BRAZIL, São Paulo (*Jones*). *Exp.* 28 mm. Types in Coll. Rothschild and B.M.

(4 a.) *Jocara ferrifusalis*, sp. n.

♀. Head, thorax, and abdomen grey suffused with ferruginous, the last with obscure fuscous dorsal bands. Fore wing greenish grey, more or less strongly suffused with ferruginous and irrorated with black ; a small antemedial tuft of black scales below the cell ; an indistinctly double black medial line filled in with whitish on costal area and from cell to inner margin, excurved in submedian interspace and above inner margin and angled inwards on vein 1 ; a small discoidal tuft of raised scales ; postmedial line rather

indistinct, defined by grey on outer side, dentate, excurved from costa to vein 4, then oblique, more or less black suffusion before and beyond it on costal half; a terminal series of black striæ. Hind wing grey suffused with ferruginous brown; a fine dark terminal line. Underside of fore wing fuscous, the costal and terminal areas ferruginous; hind wing whitish suffused with ferruginous, deeper on costal and terminal areas, a black point at upper angle of cell.

Hab. JAMAICA, Montpelier (*Walsingham*), 2 ♀ type; PARAGUAY, Sapucay (*Foster*), 1 ♀. *Exp.* 28 mm.

(5.) *Jocara discalis*, sp. n.

Head, thorax, and abdomen clothed with ochreous, red, and black scales; tarsi whitish banded with rufous; anal tuft ochreous white. Fore wing ochreous white suffused with rufous and irrorated with black, the postmedial area rather darker, the apical area blackish; a medial blackish line defined by ochreous on inner side, excurved below costa and bent inwards to inner margin; a slight black discoidal lunule with large rounded purplish-white patch beyond it with some blackish suffusion round it and some purplish below it; postmedial line ochreous white, obliquely excurved from costa to vein 3, then incurved and slightly sinuous, defined by black on inner side and with short black streaks before it on the veins, the one on vein 5 somewhat indenting the grey patch; the apical black patch with some white suffusion at apex, a whitish patch at tornus; a terminal series of slight dark lunules with more prominent black striga above tornus; cilia rufous with fine ochreous line at base. Hind wing whitish tinged with brown, the apex suffused with brown; a brown terminal line; cilia with brown line through them; in female nearly uniformly suffused with brown; the underside with the costal area suffused with red, a black discoidal point and postmedial points on veins 7, 8; female with the terminal area suffused with red, a diffused curved postmedial line from costa to vein 2.

Hab. FR. GUIANA, St. Jean Maroni (*Schaus*), 1 ♂ type, type ♀ in Coll. Schaus. *Exp.* 24 mm.

(6.) *Jocara ædiperalis*, sp. n.

♂. Antennæ with the process very long and thickly scaled; fore wing with the apical part of costa dilated into a large rounded lobe with large fringe of scales recurved from it over upper surface and some rough scales below the fringe.

Head and thorax ochreous tinged with rufous; tips of

antennal process, tegulae and patagia, and metathorax tinged with fuscous; abdomen ochreous, dorsally tinged with fuscous. Fore wing ochreous tinged with rufous and irrorated with fuscous except on costal and terminal areas; a large rounded whitish patch on inner area beyond middle; the fringe of scales from apical part of costa fuscous; traces of an antemedial line from cell to inner margin; a tuft of dark scales below middle of cell; traces of a double medial line, oblique from lower angle of cell to submedian fold, then filled in with whitish; an indistinct postmedial line defined by whitish on outer side, excurved and somewhat dentate from vein 5 to 2, where it is angled inwards, then slightly excurved again; series of slight fuscous points on termen and at tips of cilia. Hind wing ochreous white, the costal area and termen suffused with brown; the underside with the costal area suffused with rufous, a slight dark lunule at upper angle of cell.

Hab. PANAMA, La Chorera (*Dolby-Tyler*), 1 ♂ type. *Exp.* 26 mm.

Genus ARÆOPASCHIA, nov.

Palpi upturned, slender, reaching vertex of head, the third joint short; maxillary palpi filiform; antennae of male ciliated, without process on basal joint; tibiae smoothly scaled. Fore wing rather narrow; vein 2 from near angle of cell; 3 from angle; 4, 5 stalked; 6 from upper angle, somewhat down-curved at base and with slight groove above it; 7, 8, 9 stalked; 10, 11 from cell; a slight glandular swelling on costa just beyond middle. Hind wing with vein 3 from near angle of cell; 4, 5 stalked; 6, 7 from upper angle; 8 free.

Araeopaschia rufescentalis, sp. n.

♂. Head and thorax pale rufous; pectus, legs, and abdomen whitish irrorated with brown; tarsi fuscous with pale rings. Fore wing pale rufous irrorated with dark rufous; small dark subbasal, antemedial, and medial spots on costa; traces of an oblique antemedial line; a dark point at upper angle of cell; postmedial line indistinct, very oblique from costa to vein 6, incurved below vein 4; a terminal series of indistinct dark points; a fine pale line at base of cilia. Hind wing white, the costal and terminal areas tinged with brown; cilia with a fine brown line near base; the underside with traces of curved postmedial line.

Hab. W. AUSTRALIA, Geraldton (*Saunders*), 3 ♂ type. *Exp.* 20 mm.

(2.) *Spectrotrota normalis*, sp. n.

Male without secondary sexual characters; fore wing in both sexes with veins 4, 5 stalked, 3 from cell.

Head and thorax rufous; pectus, legs, and abdomen whitish thickly irrorated with rufous; tarsi ringed with white. Fore wing pale rufous thickly irrorated with dark rufous; a rather diffused sinuous dark antemedial line bent inwards to costa; a diffused sinuous postmedial line, excurved and dentate between veins 5 and 2 and angled outwards on vein 1; a terminal series of obscure dark points. Hind wing whitish slightly tinged with rufous, the terminal area slightly irrorated with rufous; a dark terminal line; the underside with the costal half thickly irrorated with rufous, traces of a curved postmedial line.

Hab. W. AUSTRALIA, Sherlock R. (*Clements*), 2 ♂, 1 ♀ type. *Exp.* 22 mm.

(12 a.) *Macalla mixtirosalis*, sp. n.

♂. Head and thorax clothed with grey-brown and pink scales; abdomen grey-brown. Fore wing pale irrorated with pale brown and pink scales; four dark spots on costa; an indistinct antemedial line angled below the cell; a black spot at end of cell; a dentate fuscous postmedial line oblique from costa to vein 5, excurved to vein 2, where it is strongly angled inwards, then bent outwards again; a terminal series of fuscous spots; cilia pinkish with series of fuscous spots. Hind wing pale fuscous; cilia pale pinkish with fuscous spots.

Hab. QUEENSLAND, Dawson district (*Barnard*). *Exp.* 28 mm. Types in Coll. Rothschild and B.M.

(12 b.) *Macalla elæa*, sp. n.

♂. Head and thorax olive-green and brown; abdomen rufous, with black segmental line on second segment. Fore wing olive-green irrorated with rufous and fuscous; some subbasal brown marks; the minutely waved green ante- and postmedial lines defined by diffused brown bands on each side; a dark discoidal tuft of scales; the postmedial line slightly bent outwards between veins 7 and 3, and with diffused black scales on each side it on inner area. Hind wing fuscous; cilia of both wings pale rufous, with waved dark line through them.

Hab. NEW GUINEA, Fergusson Is. (*Meek*), 1 ♂ type. *Exp.* 26 mm.

(12 c.) *Macalla galeata*, sp. n.

Antennal process of male extending as far as tegulae, expanding into a hollow at tips, filled with black hair and fringed with long hair and scales above, held forward over palpi; tufts of hair behind antennae; fore wing without costal gland.

♂. Head, thorax, and abdomen ochreous tinged with rufous. Fore wing ochreous tinged with rufous and slightly irrorated with fuscous, the area below and beyond end of cell whitish; tufts of blackish scales in and below middle of cell, with some blackish suffusion below them; a tuft of blackish scales on discocellulars, with black point above it on costa; an indistinct minutely dentate postmedial line, oblique from costa to vein 4, then inwardly oblique; traces of a curved subterminal shade; a terminal series of slight dark points; cilia ochreous intersected with rufous. Hind wing white, the termen tinged with rufous, narrowing to tornus; traces of a postmedial line from costa to vein 2; a slight dark terminal line; cilia pale, with a rufous line through them.

Hab. W. AUSTRALIA, Sherlock R. (*Clements*), 1 ♂ type. *Exp.* 32 mm.

(12 d.) *Macalla enochoa*, sp. n.

Antennae of male with the process from basal joint triangular, flattened, smoothly scaled, and hollowed out, meeting above corneous cup-like depression on vertex of head; fore wing without glandular swelling on costa.

Golden green fading to yellow. Fore wing irrorated with darker scales; an olive antemedial band narrowing to a point on inner margin and followed by an oblique medial line; a postmedial olive band bordered by lines of black scales interrupted at the veins; a postmedial line oblique from costa to vein 3, where it is angled; a subterminal olive band parallel to the postmedial line from costa to vein 4, where it is interrupted, conjoined to the line below vein 3; cilia green intersected with black. Hind wing pale at base, then fuscous with a reddish tinge; cilia reddish.

Hab. BRIT. N. GUINEA, Moroka (*Anthony*), 2 ♂. *Exp.* 24 mm. Types in Coll. Rothschild and B.M.

(13 a.) *Macalla melapastalis*, sp. n.

♂. Head, thorax, and abdomen grey mixed with black and slightly tinged with brown; abdomen with the basal segment whitish; pectus, base of legs, and ventral surface

of abdomen whitish; tarsi black ringed with white. Fore wing grey tinged with fuscous and rufous and sparsely irrorated with large black scales; the base darker; a fan of fuscous scales in middle of cell and discoidal tuft of black scales; postmedial line forming short black streaks on the veins, oblique from costa to vein 4, then inwardly oblique to submedian fold and bent outwards to inner margin; a diffused subterminal shade, oblique across apical area; a terminal series of slight dark points; cilia grey intersected with fuscous. Hind wing semihyaline whitish, the apical area slightly tinged with fuscous; cilia with a fine dark line through them.

♀. Fore wing much darker; hind wing with the terminal area suffused with black, broadly at apex, narrowing to a point at tornus and with two slight dark spots on extremity of vein 2.

Ab. Fore wing with oblique deep black shade from middle of costa, where it is broad, to inner margin before postmedial line.—Br. E. Africa.

Hab. BR. E. AFRICA, Kui (*Betton*), 1 ♀; MASHONALAND, Salisbury (*Marshall*), 1 ♂ type; N'Gamiland (*Lugard*), 1 ♀. *Exp.* 24–28 mm.

(13 b.) *Macalla minoralis*, sp. n.

♂. Head and thorax grey mixed with black and tinged with rufous; tarsi black ringed with white; abdomen grey, with subdorsal and lateral series of blackish spots. Fore wing grey tinged with fuscous and rufous and sparsely irrorated with black scales; an indistinct, slightly waved, oblique subbasal line; two tufts of black scales in middle of cell with some black irroration or rufous suffusion below the cell; postmedial line oblique from costa to vein 5, then incurved; terminal area suffused with fuscous; a terminal series of slight dark points. Hind wing semihyaline whitish; the inner area tinged with fuscous; the apical area broadly suffused with fuscous to vein 2, the termen then narrowly fuscous; a fine pale line at base of cilia.

Hab. SINGAPORE (*Ridley*), 1 ♂ type. *Exp.* 20 mm.

(14 a.) *Macalla fasciculata*, sp. n.

♂. Antennæ with no process from basal joint, the shaft serrate and fasciculate. Dull olive-green irrorated with black; tarsi and abdomen banded with black. Fore wing with black mark at base of costa; an oblique line from median nervure near base to middle of inner margin; the tufts in cell black; the postmedial line minutely dentate,

angled outwards below costa and strongly beyond lower angle of cell, then incurved; a subapical black patch. Hind wing suffused with fuscous; a small subterminal black spot on vein 2; both wings with terminal black line, the cilia intersected with black.

Hab. NATAL (*Spiller*). *Exp.* 24 mm. Type in Coll. Rothschild.

(14 b.) *Macalla attenualis*, sp. n.

Antennæ of male without process from basal joint; palpi with the second joint very long. Pale brown; abdomen slightly irrorated with black on dorsum near base. Fore wing long and narrow; two obscure, waved, olive-brown antemedial lines interrupted at nervures; a diffused oblique fuscous line from beyond discocellulars to middle of inner margin, the area beyond it below vein 3 whitish; a prominent whitish subterminal line oblique from costa to vein 5, then curved and at vein 3 incurved; the disk irrorated with fuscous, the veins traversing it and some points on termen towards apex fuscous. Hind wing whitish, the costa and termen brownish.

Hab. BR. GUIANA, Rockstone (*Kaye*), 1 ♀; BRAZIL, Bahia, 1 ♂ type. *Exp.* 24 mm.

(16 a.) *Macalla fulvitinctalis*, sp. n.

♀. Head, thorax, and abdomen ochreous tinged with rufous and mixed with some black; tarsi black with pale rings; abdomen with slight black segmental bands on dorsum. Fore wing ochreous tinged with rufous and suffused in parts with fuscous, the area below the cell irrorated with a few large black scales; diffused oblique antemedial and medial black lines; fans of black scales in middle of cell and on discocellulars; a fan of black scales on inner margin below middle; two black spots on costa beyond middle, the faint, slightly waved, postmedial diffused line arising from the outer spot, oblique from costa to vein 5, then becoming subterminal; the apex suffused with fuscous and some fuscous suffusion on inner side of postmedial line below vein 5; a terminal series of black striæ. Hind wing ochreous tinged with rufous; a curved fuscous postmedial line; terminal area suffused with fuscous, broadly at apex, narrowing to a point above tornus; a terminal series of black points; the underside with black discoidal spot.

Hab. BR. E. AFRICA, Taru (*Betton*), 1 ♀ type. *Exp.* 20 mm.

(18 a.) *Macalla ochrotalis*, sp. n.

Antennæ of male with the process slender and fringed with long hair below. Head, thorax, and abdomen ochreous; tegulæ and patagia rufous at base; tibiæ with some rufous; tarsi rufous ringed with ochreous; abdomen with slight rufous dorsal bands. Fore wing ochreous slightly irrorated with rufous and black, the terminal area rufous suffused with black; antemedial line ill-defined, blackish, angled outwards below costa, strongly incurved to submedian fold and bent outwards to inner margin; a prominent black discoidal spot; postmedial line diffused, black, defining the inner edge of rufous area, excurved between veins 5 and 3; a terminal series of black points; cilia pale with black line near base. Hind wing semihyaline white; a terminal black band narrowing from apex to a point at vein 1; cilia with a blackish line near base.

Hab. FR. GUIANA, Cayenne (*Schaus*), 1 ♀ type, type ♂ in Coll. Schaus. *Exp.* 22 mm.

(18 b.) *Macalla niveorufa*, sp. n.

♀. Head, thorax, and abdomen white, the head slightly tinged with ochreous; palpi with black spot on inner side of second joint at extremity, the third joint black; tibiæ banded with black, the tarsi black ringed with white; abdomen with black dorsal segmental lines and lateral black irroration. Fore wing nearly pure white, the basal area slightly tinged with fuscous, the terminal area silky rufous with some black suffusion; an indistinct antemedial line with darker spot on costa, incurved in submedian interspace; two black discoidal points; postmedial line strong, black with slight streaks on the veins, slightly bent outwards between veins 5 and 3, then somewhat retracted, the whole area beyond it rufous; a terminal series of black spots. Hind wing ochreous white, the apical area broadly suffused with fuscous and tinged with rufous to just below vein 2, the termen then narrowly dark; the underside with black discoidal point and indistinct punctiform curved postmedial line from costa to vein 2.

Hab. PANAMA, Cana Mines (*Tylecote*), 1 ♀ type. *Exp.* 28 mm.

(20 a.) *Macalla melanobasis*, sp. n.

♂. Head and thorax black, mixed with some rufous and ochreous; hind legs and abdomen ochreous, with dorsal patches of black scales on first two and fourth and fifth segments.

Fore wing with the basal area black with curved outer edge; the rest of wing creamy ochreous, with pale rufous suffusion on costal and postmedial areas; a fan of pale rufous scales in end of cell; a rather triangular black apical patch; two terminal black striæ towards apex and one above tornus. Hind wing creamy white with ill-defined dark rufous spot on vein 2 near termen, with black striga on termen beyond it.

Hab. MASHONALAND (*Dobbie*), 1 ♂ type. *Exp.* 30 mm.

(20 b.) *Macalla grisealis*, sp. n.

♂. Antennæ with the process long or moderate; hind wing with veins 4, 5 stalked; fore wing with vein 6 stalked with 7, 8, 9.

Head and thorax grey-white mixed with fuscous; legs whitish irrorated with fuscous; abdomen whitish, dorsally suffused with brown, ventrally irrorated with fuscous. Fore wing grey-white irrorated with fuscous and with large black scales; a slight black streak below the cell before the indistinct antemedial line, which is angled outwards just below cell; a black discoidal spot; two obliquely placed spots above middle of inner margin; a postmedial series of prominent black rather elongate spots on the veins, excurved between veins 6 and 3; a terminal series of small black spots. Hind wing semihyaline white, the veins and termen tinged with brown.

Hab. BR. GUIANA, St. Jean Maroni (*Schaus*), 1 ♂ type, Maroni R. *Exp.* 24-30 mm.

(23 a.) *Macalla ignezonalis*, sp. n.

♂. Head and thorax yellowish white tinged with brown; abdomen purplish red; wings whitish, tinged with brown and irrorated with fuscous. Fore wing with whitish medial line, very oblique from costa to median nervure, then curved and with large purplish-red patch on its inner side; a black discoidal tuft; a whitish postmedial line, oblique from costa to vein 5, then minutely dentate; a terminal series of black points. Hind wing with broad fiery-red medial band edged by whitish lines, the inner very oblique from costa to median nervure, the outer slightly excurved and minutely dentate between veins 5 and 2; a terminal series of black points.

Hab. SIERRA LEONE (*Clements*), 1 ♂ type. *Exp.* 24 mm.

(34.) *Macalla glaucochrysalis*, sp. n.

♀. Head, thorax, and abdomen ochreous white, tinged with rufous. Fore wing ochreous suffused with rufous and

irrorated with fuscous, the medial and tornal areas suffused with grey-blue; an antemedial tuft of rufous scales below the cell, with traces of an excurved line from it to inner margin; traces of a pale postmedial line, oblique below vein 4; a terminal series of slight brown points. Hind wing golden yellow, the apex slightly tinged with brown.

Hab. BORNEO, Sandakan (*Pryer*), 1 ♀ type. *Exp.* 26 mm.

(35) *Macalla metachryseis*, sp. n.

♀. Head orange tinged with green; thorax olive-yellow-green; abdomen yellow, dorsally tinged with olive. Fore wing golden olive-green; a slight dark shade below base of cell; an irregular triangular white patch from middle of costa to submedian fold, with small green spot near its outer edge in cell and small tuft of blackish scales on its outer edge below base of vein 2 and line from it to inner margin angled outwards on vein 1, the costa beyond it with series of white points; a white line from costa towards apex, strongest towards costa, dentate inwards above veins 6, 5, then excurved, minutely dentate and incurved in submedian interspace; a series of dark points just before termen. Hind wing golden yellow.

Hab. BR. E. AFRICA, Eb Urru (*Betton*), 1 ♀ type. *Exp.* 44 mm.

Genus CHLOROPASCHIA, nov.

Palpi upturned, the second joint reaching vertex of head, the third acuminate; maxillary palpi filiform; antennæ of male ciliated, without process from basal joint; tibiæ smoothly scaled. Fore wing with vein 3 from before angle of cell; 4, 5 radiating from angle; 6 from upper angle; 7, 8, 9, 10 stalked; 11 from cell. Hind wing with vein 3 from angle of cell; 4, 5 stalked; 6, 7 from upper angle; 8 free.

Chloropaschia thermalis, sp. n.

Head and tegulæ rufous, with some dark scales; thorax olive-green mixed with fuscous; pectus and hind legs pale; fore and mid legs rufous and fuscous, the tarsi fuscous with pale rings; abdomen pale, dorsally suffused with rufous and obscurely banded with fuscous. Fore wing olive-green, largely suffused with rufous and irrorated with fuscous; antemedial tufts of raised black scales in and below cell, with a rufous band beyond them in female from cell to inner margin; a slight tuft of black scales in end of cell and

discoidal bar ; a medial black line obliquely excurved from costa to vein 4, then strongly incurved to below end of cell ; some rufous suffusion with points of black scales at middle before the postmedial line, which is black defined by greyish on outer side, very minutely dentate, somewhat oblique from costa to vein 2, then slightly incurved ; terminal area suffused with rufous, becoming greyish towards termen ; a terminal series of prominent black points ; cilia pale rufous, with series of fuscous points. Hind wing pale tinged with reddish brown, especially on apical area ; cilia pale, with fuscous line near base.

Hab. FR. GUIANA, St. Jean Maroni (*Schaus*), 1 ♂ type, type ♀ in Coll. *Schaus*. *Exp.* 26 mm.

(10 a.) *Stericta glaucinalis*, sp. n.

♂. Head and tegulae ferruginous ; thorax greenish grey ; legs and abdomen pale red-brown irrorated with fuscous. Fore wing greenish grey irrorated with brown ; the basal half of costa, the discoidal tuft, and three spots on terminal half of costa red-brown ; conjoined dark and pale brown patches on termen from vein 5 to inner margin, with a grey patch in submedian interspace. Hind wing semihyaline greyish, the apical area suffused with fuscous ; a dark line through the cilia.

Hab. SURINAM, Berg-en-Daal (*C. W. Ellacombe*). *Exp.* 24 mm. Type in Coll. Rothschild.

(18 a.) *Stericta leucozonalis*, sp. n.

♀. Head, thorax, and abdomen pale ochreous, with a greenish tinge. Fore wing dark olive-green, shading into ochreous in places ; a narrow, oblique, white, slightly waved, and irregular subbasal band ; a slightly curved white medial line, followed by a narrow olive-green band, then a broad white band emitting a short spur inwards in cell to near the medial line, its outer edge angled outwards at middle ; a diffused whitish postmedial line, with olive-green band before it, strongly angled outwards at middle ; termen narrowly greyish, with prominent series of dark points ; cilia pale rufous, with some dark points. Hind wing pale brown, the terminal area rather darker ; cilia pale rufous, with some faint dark points ; the underside paler, except terminal area ; a curved postmedial line.

Hab. SINGAPORE (*Ridley*), 2 ♀ type. *Exp.* 24 mm.

(20 a.) *Stericta chionophoralis*, sp. n.

Antennæ of male with the process reaching to metathorax; maxillary palpi triangularly scaled and flattened against frons; fore wing on upperside with fringes of large scales below the cell and from upper angle to near apex, the neuration rather distorted.

♂. Head, thorax, and abdomen pale brownish ochreous, slightly irrorated with fuscous, patagia and dorsum of thorax with some white, metathorax with some black scales; tarsi blackish, ringed with white. Fore wing pale brownish ochreous irrorated and suffused with fuscous; a white patch from costa before middle to below cell; an indistinct double, minutely waved medial line, oblique from costa to below cell; a black point at upper angle of cell; postmedial line double filled in with whitish, very minutely waved, oblique from costa to vein 5, then subterminal; the apical part of the fringe of scales beyond cell white; some white suffusion at apex; a terminal series of black points; cilia ochreous, intersected with fuscous and with black points at base. Hind wing semihyaline whitish; the apical area suffused with fuscous; an indistinct curved postmedial line from costa to vein 2, where it ends in a small black spot; cilia with series of small blackish spots at base; the underside with the costal area irrorated with brown and white.

♀. Fore wing with the white areas much reduced, the medial line more distinct and erect.

Hab. BRAZIL, Organ Mts., Tijuca (*Wagner*), 1 ♀; PARAGUAY, Sapucay (*Foster*), 3 ♂ type. *Exp.* 32 mm.

(20 b.) *Stericta leucoplagialis*, sp. n.

♂. Maxillary palpi triangular and flattened against frons; fore wing with fringe of large scales below the cell.

Head, thorax, and abdomen clothed with red-brown and fuscous scales. Fore wing red-brown irrorated with fuscous and black; a short subbasal black streak below costa; a large white patch extending from middle of costa to vein 1 with a few black scales on it, a short black streak in cell, a sinuous line near its outer edge and a large flap of white and black scales on its lower edge; a discoidal tuft of scales; a curved, blackish, minutely dentate subterminal line, with some white points on it; some black points on termen and cilia. Hind wing semihyaline yellowish white with some fuscous at apex, slight streaks on the veins near termen, a terminal line, and a line through cilia towards apex.

Hab. BRITISH GUIANA, 1 ♂, Mapiri (*Stewart*); BOLIVIA, Yungas-la-Paz, 1 ♂ type. *Exp.* 36 mm.

(20 c.) *Stericta lophocephalis*, sp. n.

♂. Maxillary palpi small, triangularly dilated with scales; antennæ with small triangular dilation of basal joint, with very large tuft of hair between them from frons and vertex of head; mid tibiæ above and hind tibiæ at base with tufts of hair; fore wing with vein 4 curved upwards near base, veins 5, 6 meeting at a triangular point, anastomosing for some distance, then forking again.

Head, thorax, and abdomen ochreous, tinged with rufous and irrorated slightly with brown; tarsi banded with black. Fore wing ochreous, irrorated and in part suffused with dark brown; a brown spot on inner margin near base; an ante-medial series of four irregularly placed dark spots with another beyond them in cell and three below the cell; a postmedial minutely dentate dark line with minutely dentate ochreous band on its outer side, strongly excurved from below costa to vein 2, angled inwards in submedian fold, then excurved again, some dark suffusion before it from below end of cell to inner margin; a subterminal diffused fuscous band; a terminal series of small black spots, larger towards apex; cilia with blackish line near base, obsolescent towards tornus. Hind wing fuscous brown, rather darker towards termen; cilia with fine pale line at base; the underside pale, an indistinct curved postmedial line, the terminal area suffused with fuscous.

Hab. BORNEO, Sandakan (*Pryer*), 1 ♂ type. *Exp.* 30 mm.

(20 d.) *Stericta congenitalis*, sp. n.

Antennæ of male without process from basal joint, a large tuft of hair between them from frons and vertex of head; maxillary palpi brush-like in a hollow of labial palpi; claspers normal; fore wing with vein 4 slightly curved upwards near base, the discocellulars slightly produced below upper angle of cell, and veins 5, 6 shortly stalked.

♂. Head, thorax, and abdomen ochreous suffused in parts with rufous. Fore wing pale ochreous slightly tinged with rufous; rufous subbasal spots on costa and below cell; a spot on inner margin before middle; two diffused, slightly waved, medial, rufous lines, oblique from costa to median nervure, then angled inwards in submedian fold; postmedial line minutely dentate, oblique from costa to vein 3, where it is met by an oblique mark from lower angle of cell, then incurved and stronger; apical area suffused with rufous and with a slightly incurved maculate line from it to tornus; a terminal series of small rufous spots. Hind wing pale

suffused with brown, darker on terminal area; cilia pale; the underside pale with indistinct curved postmedial line, the terminal area brown.

Hab. BORNEO, Sandakan (*Pryer*), 1 ♂ type. *Exp.* 28 mm.

(21 a.) *Stericta obliquialis*, sp. n.

Head, thorax, and abdomen grey suffused and irrorated with pale rufous; tarsi banded with black. Fore wing grey irrorated with rufous and suffused with rufous on medial area; a subbasal blackish spot on costa and prominent spot below the cell; a black point in middle of cell; a prominent oblique slightly sinuous black line from middle of costa to inner margin towards tornus, with another oblique black line beyond it from costa to vein 5; some slight streaks on the veins beyond the cell and an incurved line from vein 2 to inner margin; postmedial line emitting short black streaks on the veins, rather oblique from costa to vein 5, excurved between veins 5 and 2 and oblique to inner margin; traces of a curved waved subterminal line; a terminal series of prominent black points. Hind wing whitish; the termen suffused with brown, broadly on apical and tornal areas; an indistinct curved postmedial line ending in a small black spot on vein 2; the underside with discoidal point, the apical area suffused with fuscous.

Hab. BOLIVIA, Yungas-la-Paz, 1 ♂ type. *Exp.* 30 mm.

(3 a.) *Orthaga ferrealis*, sp. n.

Antennæ of male with process extending to collar; palpi hollowed out to receive the brush-like maxillary palpi; fore wing on underside with the terminal half of cell clothed with large down-turned scales.

♂. Head, thorax, and abdomen bright ferruginous irrorated with white; tarsi ringed with white. Fore wing bright ferruginous irrorated with white and a few black scales; a very ill-defined oblique whitish antemedial band with blackish streak beyond it below the cell; a broad, ill-defined, whitish postmedial band with the indistinct, minutely waved postmedial line on it, angled outwards at vein 4, the outer edge of white band also waved, angled at vein 4 and emitting a streak to termen, with blackish streaks beyond it below veins 7 and 6 nearly reaching termen and shorter streaks above and below vein 2 and above vein 1; a sub-terminal series of indistinct whitish spots; cilia chequered white and rufous with darker spots at base. Hind wing

pale suffused with reddish brown, especially on terminal area, the hair on inner margin reddish; cilia chequered white and pale rufous with darker spots at base; the under-side whitish, the costal area irrorated with white and rufous, the apical area suffused with brown.

Hab. QUEENSLAND, Townsville (*Dodd*), 1 ♂ type. *Exp.* 30 mm.

(10 a.) *Orthaga rubridiscalis*, sp. n.

♂. Head grey tinged with rufous, antennal tuft grey, rufous, and black; collar rufous; thorax grey; abdomen brownish. Fore wing grey thickly irrorated with black, brown, and rufous scales; a large subbasal blackish and rufous quadrate patch on costa; a sinuous fuscous medial line incurved in cell, excurved on inner area; the tufts of scales below cell and on discocellulars grey; discal area bright ferruginous extending to inner margin inside the postmedial line, which is minutely dentate, excurved beyond cell with series of white points on it and black spot at costa; apical area blackish; some rufous at tornus; cilia chequered pale brown and blackish. Hind wing fuscous; cilia grey at tips.

Another form is darker with dark purplish-fuscous replacing the ferruginous tones.

Hab. LOUISIADDES, St. Aignan (*Meek*), 1 ♀; QUEENSLAND (*Waller*), 1 ♂ type, Cooktown, Cedar Bay (*Meek*), 1 ♂. *Exp.* 28 mm.

(20 a.) *Orthaga melanoperalis*, sp. n.

Maxillary palpi triangularly scaled, flattened against frons; fore wing of male with the glandular swelling very large, without laminate plates in cell.

♂. Head, thorax, and abdomen ochreous slightly tinged with rufous; tarsi fuscous ringed with white. Fore wing ochreous tinged and irrorated with rufous, the apical area deep rufous suffused with black; blackish subbasal points on costa and below cell; traces of two diffused antemedial lines with dark patch on costa and black point below cell; traces of two diffused minutely waved postmedial lines oblique from costa to vein 4; traces of a diffused subterminal line; a terminal series of prominent small black spots; cilia pale with rufous line and series of fuscous points. Hind wing pale tinged with brown, the terminal area fuscous; cilia with fuscous line near base.

♀. Fore wing with prominent discoidal tuft of black scales.

Hab. BORNEO, Baram (*Everett*), 1 ♂, Pulo Laut (*Doherty*), 1 ♂ type; SAMBAWA (*Doherty*), 1 ♀. *Exp.* 18–22 mm.

(23.) *Orthaga chionalis*, sp. n.

♂. Antennæ without process from basal joint; palpi with the third joint normal; fore wing without glandular swelling or fan of scales.

Head, thorax, and abdomen white, the last slightly irrorated with black on dorsum and with fans of black and white scales from behind origin of hind wings. Fore wing white, the terminal area from middle of costa and inner margin beyond middle rufous; the costal area tinged with rufous; a diffused pale rufous subbasal band; a small antemedial tuft of black scales below the cell; an indistinct, oblique, slightly waved medial line; a black discoidal point; a diffused black postmedial line, oblique from costa to vein 4, then incurved, double below vein 3; a diffused, curved, fuscous, subterminal band with rather blacker patch above middle; a terminal series of prominent, small, rather quadrate, black spots; cilia white with slight brown line through them. Hind wing pale fuscous, rather darker on terminal area; cilia chequered with fuscous on apical half; the underside with traces of diffused medial line.

Hab. SINGAPORE (*Ridley*), 1 ♂ type. *Exp.* 24 mm.

(24.) *Orthaga bipartalis*, sp. n.

♀. Head, thorax, and abdomen greyish ochreous irrorated in parts with fiery red, the last with some black scales on terminal segment; tarsi fuscous with pale rings. Fore wing greyish ochreous irrorated with fiery red and some black scales to middle of costa and inner margin beyond middle, the terminal area suffused with olive-green and irrorated with fuscous; a diffused red streak below cell before middle; a black point in middle of cell and black discoidal spot with oblique striga from costa to it; postmedial line defined by ochreous on outer side, minutely dentate, oblique from costa to vein 4, angled inwards in submedian fold, and emitting a black tooth upwards towards the discoidal spot, angled outwards on vein 1; a terminal series of small black spots. Hind wing fuscous brown; the underside with slight discoidal spot and diffused postmedial and subterminal lines oblique on costal half.

Hab. SINGAPORE (*Ridley*), 1 ♀ type. *Exp.* 24 mm.



Hampson, George Francis. 1906. "XVII.—On new Thyrididæ and Pyralidæ." *The Annals and magazine of natural history; zoology, botany, and geology* 17(97), 112–147. <https://doi.org/10.1080/00222930608562500>.

View This Item Online: <https://www.biodiversitylibrary.org/item/63426>

DOI: <https://doi.org/10.1080/00222930608562500>

Permalink: <https://www.biodiversitylibrary.org/partpdf/337626>

Holding Institution

University of Toronto - Gerstein Science Information Centre

Sponsored by

University of Toronto

Copyright & Reuse

Copyright Status: NOT_IN_COPYRIGHT

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at <https://www.biodiversitylibrary.org>.