

## XXVII.—On new Thyrididæ and Pyralidæ.

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

[Continued from p. 147.]

## Genus POLYLOPHOTA, nov.

Palpi upturned, reaching just above vertex of head, and very thickly tufted with rough hair on inner and outer sides; maxillary palpi dilated with scales; antennæ fasciculate with a short tuft of hair and scales from basal joint; mid tibiæ clothed with rough hair; hind tibiæ fringed on outer side with rough hair and on inner side before the medial spurs. Fore wing short and broad, the apex rectangular; veins 3, 4, 5 well separated at origin; 7, 8, 9, 10 stalked; male with a very large tuft of hair from subcostal nervure near base directed downwards over the cell, with a ridge of large scales from it through the cell almost to outer margin; a glandular swelling on costa beyond middle. Hind wing with vein 3 from before angle of cell; 4, 5 separate at origin; 6, 7 shortly stalked; 8 free; the whole inner area clothed with long hair.

*Polylophota barbarossa*, sp. n.

♂. Olive-brown with a reddish tinge and irrorated with black scales; abdomen banded with black towards extremity. Fore wing with the tuft in cell olive-brown with some black suffusion above it; medial and postmedial black marks on costa. Hind wing pale with a reddish tinge and suffused with red towards costa; the thick hair on inner area bright red.

*Hab.* BRIT. N. GUINEA, Moroka. *Exp.* 36 mm. Type in Coll. Rothschild.

## Genus STENOPASCHIA, nov.

Type *S. erythralis*.

Proboscis fully developed; palpi porrect, of male short and not reaching beyond frontal tuft, thickly clothed with hair, of female extending to about twice length of head; antennæ of male ciliated; mid tibiæ thickly fringed with hair, the spurs long. Fore wing narrow; vein 3 from angle of cell; 4, 5 stalked; 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 anastomosing with 7.

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*Stenopaschia erythralis*, sp. n.

Head and thorax rufous; sides of palpi and frons black; patagia blackish at extremity; tarsi banded with fuscous; abdomen pale rufous. Fore wing rufous, the costal area tinged with fuscous; a fine median line oblique from costa to median nervure, defined by ochreous on inner side with a diffused fuscous band before it from cell to inner margin; the terminal half of wing more ochreous except costal area; an obliquely curved black discoidal bar; a dark postmedial line slightly incurved from below costa to vein 5, where it is angled outwards, then again slightly incurved; a terminal series of black points. Hind wing grey tinged with fuscous.

*Hab.* BRAZIL, São Paulo, 1 ♂ type; type ♀ in Coll. Schaus. *Exp.*, ♂ 16, ♀ 18 mm.

## Genus RHYNCHOPASCHIA, nov.

Proboscis slight; palpi extending about three times length of head, downcurved, beak-like, and rather smoothly scaled; maxillary palpi tufted with hair; antennæ of female nearly simple. Fore wing with vein 3 from well before angle of cell; 4, 5 stalked; 6 from below upper angle; 7, 8, 9 stalked, 7 from beyond 9; 10, 11 from cell; a fan of scales in middle of cell and a tuft of scales on inner margin before middle. Hind wing with vein 3 from well before angle of cell; 4, 5 stalked; 6, 7 from upper angle, 8 anastomosing with 7.

*Rhynchopaschia melanolopha*, sp. n.

♀. Head, thorax, and abdomen fuscous brown mixed with grey; patagia with tuft of large black and metallic scales at extremity; palpi at sides and abdomen below blackish. Fore wing grey irrorated with brown, the costal area suffused with brown to median nervure; the fan of scales in cell and tuft on inner margin black glossed with metallic colours; a very ill-defined, oblique, diffused, antemedial brown band; postmedial line brown, diffused, excurved from below costa to vein 3, then oblique, with another ill-defined line beyond it on costal half; an ill-defined terminal brown band. Hind wing pale fuscous brown.

*Hab.* MASHONALAND (*Dobbie*), 1 ♀ type. *Exp.* 24 mm.

## Genus OMPHALEPIA, nov.

Palpi porrect, thickly scaled, not reaching beyond the maxillary palpi, which are dilated with scales or the short



sharp frontal tuft; antennæ of female ciliated. Fore wing with very large tufts of raised scales below base and middle of cell, in middle and end of cell, on inner margin before middle, above inner margin beyond middle, and on middle of vein 2; veins 4, 5 separate; 6 from below angle of cell; 7, 8, 9 stalked; 10, 11 from cell. Hind wing with veins 4, 5 from angle; 6, 7 from upper angle; 8 free.

*Omphalepia sobria*, sp. n.

♀. Head and thorax purplish fuscous mixed with reddish brown; abdomen pale tinged with rufous and irrorated with fuscous. Fore wing purplish fuscous, the inner medial and terminal area except towards apex pale; the tufts of scales mixed with bright rufous; traces of an antemedial line very indistinct from costa to vein 1, where it is angled, then oblique, black, and prominent; a postmedial fuscous line defined by whitish on outer side, angled outwards below costa and inwards at vein 2; a terminal series of dark points. Hind wing fuscous brown with terminal dark line; cilia whitish.

*Hab.* BR. E. AFRICA, Tanga, 1 ♀ type. *Exp.* 30 mm.

CHRYSAUGINÆ.

(2 a.) *Abæra aurofusalis*, sp. n.

♀. Head and thorax brown irrorated with metallic golden and silvery scales; pectus, legs, and abdomen grey-brown. Fore wing silky reddish brown, the basal half and whole of cell suffused with metallic golden, silvery, and bluish scales; an indistinct dark discoidal spot, a band of silvery-blue scales just before termen, sometimes reduced to spots, and with a faint fine pale line before it. Hind wing silky reddish brown.

*Hab.* BRAZIL, Castro Paraña, 1 ♀ type. *Exp.* 26–30 mm.

(2.) *Saccopleura erythralis*, sp. n.

♂. Head and thorax pale flesh-red; abdomen ochreous. Fore wing pale flesh-red; a small black discoidal spot; apical area slightly redder from middle of costa to vein 4 towards termen, and thence as a terminal band to inner margin; postmedial line indistinct, pale, slightly defined by reddish on inner side, bent outwards below costa, then oblique. Hind wing golden orange with somewhat diffused reddish terminal band. Underside of both wings yellow with the costal and terminal areas pale red.

*Hab.* CENTR. BRAZIL, Chapada (Robert), 1 ♂ type. *Exp.* 38 mm.



(1 a.) *Salobrena atropurpurea*, sp. n.

Head and thorax black-brown; pectus and legs tinged with purplish; mid tarsi white, hind tarsi ringed with white; abdomen black with tuft of whitish scales at base of dorsum. Fore wing black-brown with a silky gloss, and with a slight purplish tinge on costal area and beyond the ante- and postmedial lines, which are very indistinct, pale, waved; cilia black tinged with purplish and with yellowish-white patches below apex and above tornus. Hind wing fuscous brown with a silky gloss; cilia whitish at tips below apex; the underside with the costal area suffused with purplish, a small black discoidal spot, curved white postmedial line defined on each side by black, and traces of a diffused black subterminal line on costal half.

*Hab.* PANAMA, La Chorrera (*Dolby-Tyler*), 2 ♂, 1 ♀ type, Cana Mines (*Tylecote*), 1 ♀; BR. GUIANA, Essequibo, Rockstone; FR. GUIANA, St. Jean Maroni (*Schaus*), 1 ♀. *Exp.* 12-16 mm.

(8.) *Salobrena tenebralis*, sp. n.

♀. Uniform dark reddish brown; palpi at base, pectus, base of legs, and ventral surface of abdomen whitish, mid and hind tibiae with white rings at middle and extremity. Fore wing with slight whitish point and traces of excision on costa beyond middle.

*Hab.* BRAZIL, Organ Mts., Tijuca (*Wagner*), 1 ♀ type. *Exp.* 18 mm.

(6.) *Idnea ochribasalis*, sp. n.

♀. Fore wing with the costa slightly excised beyond middle, the termen excurved at middle; hind wing with the termen slightly excised from apex to vein 1, where it is lobed. Head and thorax ochreous tinged with rufous; pectus, legs, and abdomen greyish fuscous. Fore wing with the basal area brassy yellow tinged with rufous below costa, the costal edge dark, the rest of wing olive-ochreous tinged with rufous; a curved antemedial line defined by white on outer side, beyond which is some leaden-silvery suffusion; postmedial line double, fuscous filled in with white and with some leaden-silvery suffusion before it on costal area and at middle, slightly bent outwards to costa, excurved to vein 4, then oblique; a fuscous terminal line; cilia whitish at base, fuscous at tips. Hind wing fuscous brown with white subterminal line from vein 3 to 1, oblique and slightly incurved to submedian fold, then angled inwards, and with a yellow



patch on its outer side, a diffused rufous streak before it, and some rufous on termen beyond it; cilia fuscous with greyish tips; the underside yellowish suffused with brown and tinged with rufous, a double slightly sinuous postmedial line filled in with whitish.

*Hab.* FR. GUIANA, St. Jean Maroni (*Schaus*), 1 ♀ type. *Exp.* 28 mm.

(6.) *Tosale velutina*, sp. n.

♂. Head and thorax bright rufous, more or less mixed with black; tarsi with the terminal joints whitish; abdomen fuscous brown with some rufous on dorsum. Fore wing deep rufous, more or less suffused with black-brown and with a silky texture, a greyish gloss on outer part of medial area and on terminal area except towards apex; the vesicle at base of costa dark brown; an indistinct, pale, waved ante-medial line; a pale postmedial line oblique from costa to vein 6, then sinuous and with small blackish spots on its inner side at discal and submedian fold. Hind wing dark brown with the discal patch velvety black. Underside fuscous; fore wing with the discal patch velvety black; hind wing with curved greyish postmedial line.

♀. Fore wing with the medial area paler.

*Hab.* FR. GUIANA, Cayenne (*Schaus*), 1 ♂ type; type ♀ in Coll. *Schaus*. *Exp.* 14 mm.

STHENAUGE, nom. nov., for *Sthenobæa*, Rag., nec Champion, Coleoptera (1885).

Genus HETERAUGE, nov.

♂. Palpi upturned, hardly reaching vertex of head, the second joint fringed with scales in front, the third short; antennæ ciliated; tibiæ and tarsi smoothly scaled. Fore wing with the costa and termen evenly curved; vein 2 from angle of cell; 3, 4 stalked; 5 absent; 6, 7, 8 stalked, 6 from beyond 8; 9, 10, 11 absent; a glandular swelling at middle of costa on upperside and a fold fringed with scales at base of costa on underside. Hind wing with vein 2 from angle of cell; 3, 4, 5 stalked; 6, 7 from upper angle, 7 anastomosing with 8; a fringe of long upturned hair in cell from median nervure on underside.

♀. Palpi downcurved, extending about the length of head and thickly scaled. Fore wing with veins 3, 4, 5 stalked; 6 from angle of cell; 7, 8 stalked; 9, 10, 11 absent.



*Heterauge sarcalis*, sp. n.

Head and thorax pale flesh-red; pectus, legs, and abdomen pale fuscous brown, tarsi and abdomen ringed with white. Fore wing pale flesh-red with traces of slightly curved medial and postmedial rufous lines. Hind wing pale fuscous. Underside of both wings pale suffused and irrorated with fuscous, the costal areas tinged with red, traces of a curved dark postmedial line.

*Hab.* BRAZIL, Organ Mts., Tijuca (*Wagner*), 1 ♂, 2 ♀ type. *Exp.*, ♂ 14, ♀ 18 mm.

(2 a.) *Xantippe tinctalis*, sp. n.

*Arta statalis*, Druce, Biol. Centr.-Am., Het. ii. p. 546 (part.) (nec Grote).

♀. Fore wing with veins 7, 8 stalked from 9.

Head and thorax olive-yellow, more or less tinged with rufous; palpi white at tips; tarsi white banded with black; mid femora white; abdomen fuscous brown. Fore wing greenish yellow, more or less strongly tinged with rufous; indistinct pale straight oblique medial and postmedial lines; a fine black terminal line rather punctiform towards apex; cilia white, more or less tinged with rufous towards apex. Hind wing fuscous brown with fine dark terminal line; cilia whitish; the underside with pale curved postmedial line slightly defined by fuscous on inner side.

*Hab.* MEXICO, Tabasco, Teapa (*H. H. Smith*), 2 ♀ type; BRAZIL, Amazons, Paraña (*Austen*), 1 ♀. *Exp.* 14–16 mm.

(4.) *Xantippe bifilalis*, sp. n.

*Caphys subrosealis*, Druce, Biol. Centr.-Am., Het. ii. p. 549 (part.) (nec Wlk.).

♂. Head and thorax ochreous mixed with purplish pink; abdomen pale ochreous. Fore wing pale purplish pink; an oblique pale yellow antemedial line; a pale yellow postmedial line very slightly excurved at middle; the costal edge on medial area dark; cilia with their basal half bright pink, the tips white. Hind wing ochreous white. Underside of fore wing tinged with fuscous to postmedial line; hind wing with the costal area suffused with pink.

*Hab.* MEXICO, Guerrero, Amula (*H. H. Smith*), 1 ♂ type. *Exp.* 18 mm.

(1 a.) *Parachma thermalis*, sp. n.

♀. Head and thorax yellow mixed with red; tibiae and tarsi with some dark scales, the tarsi with yellow rings;



abdomen yellow, dorsally tinged with red. Fore wing yellow wholly suffused with red, the costal area slightly darker to the postmedial line; the lines yellow; the antemedial line almost from middle of costa, oblique, straight; the postmedial line erect, straight, ending near tornus. Hind wing yellow tinged with red. Underside yellow suffused with red, the costal area of fore wing with dark scaling to the postmedial line, of hind wing irrorated with red and with traces of yellow postmedial line.

*Hab.* BRAZIL, Organ Mts., Tijuca (*Wagner*), 1 ♀ type. *Exp.* 16 mm.

(2 a.) *Parachma atripunctalis*, sp. n.

*Arta statalis*, Druce, Biol. Centr.-Am., Het. ii. p. 546 (part.) (nec Grote).

♀. Head, thorax, and abdomen brownish white; palpi and fore legs tinged with fuscous; hind tibiæ white. Fore wing pale reddish flesh-colour; yellowish, minutely waved medial and postmedial lines defined on each side by series of black points, the former rather oblique, the latter slightly bent outwards at discal fold; a terminal series of black points. Hind wing pale brownish flesh-colour; a fuscous terminal line from apex to vein 2 and fuscous line through the cilia. Underside of fore wing pinker with slight fuscous suffusion on basal half of costal area; hind wing whitish, the costal half suffused with pink, a pale curved subterminal line from costa to vein 2 slightly defined by fuscous on inner side and showing traces through to upperside.

*Hab.* MEXICO, Vera Cruz, Atoyac (*H. H. Smith*), 1 ♀ type. *Exp.* 16 mm.

(2 b.) *Parachma ignefusalis*, sp. n.

*Parachma ochracealis*, Hmps. A. M. N. H. (7) xiv. p. 183 (nec Wlk.).

Fore wing with veins 3, 4, 5 stalked; hind wing with the lower angle of cell produced, veins 4, 5 from cell and approximated for some distance.

♀. Head and thorax yellow suffused with red; legs brownish red, the tarsi with pale rings; abdomen yellow, dorsally tinged with red. Fore wing yellow suffused and irrorated with red; the lines indistinct, yellow, erect, slightly excurved at middle. Hind wing yellow slightly tinged with red. Underside yellow tinged with red; fore wing with the costal area deeper red with yellow ante- and postmedial spots; hind wing with the costal area irrorated with deep red and with slight yellow postmedial line.

*Hab.* BAHAMAS, Andros (*Bonhote*), 1 ♀ type. *Exp.* 20 mm.



(4.) *Parachma rufoflavalis*, sp. n.

♂. Fore wing with vein 5 absent.

Head and thorax bright rufous; pectus and legs yellowish, the tufts of scales rufous; abdomen yellow tinged with rufous. Fore wing bright rufous; a pale yellow medial band expanding at costa and angled outwards on median nervure; a small yellow postmedial spot on costa with an indistinct line from it to inner margin near tornus, slightly excurved to vein 4, then slightly incurved; a yellow point at apex; a slight dark terminal line and a fine yellow line at base of cilia. Hind wing yellow slightly tinged with rufous; a fine dark terminal line and a reddish line through the cilia.

*Hab.* FR. GUIANA, St. Jean Maroni (*Schaus*), 1 ♂ type. *Exp.* 12 mm.

(5.) *Parachma pallidalis*, sp. n.

*Parachma meterythra*, Druce, Biol. Centr.-Am., Het. ii. p. 547, pl. 100. f. 6 (nec Hmps.).

Head and thorax ochreous white with a slight violaceous tinge; abdomen yellowish. Fore wing ochreous white with a slight violaceous tinge; a very indistinct pale medial line slightly angled outwards on vein 1; a similar postmedial line oblique from costa to vein 5 and slightly incurved at submedian fold; cilia with fine pale line at base, then fuscous with yellowish tips except at tornus. Hind wing yellow with a slight reddish tinge on terminal area and dark terminal line; cilia yellow; the underside with some brown irroration on costal area and traces of a curved postmedial line.

*Hab.* MEXICO, Orizaba (*Schaus*), 1 ♀ type, Tabasco (*H. H. Smith*), 1 ♂; GUATEMALA, El Tumbador (*Champion*), 2 ♀; PANAMA, Chiriqui (*Champion*), 1 ♂. *Exp.* 20-22 mm.

(2.) *Dasyncnemia agamalis*, sp. n.

♀. Palpi oblique, slender, the second joint reaching vertex of head, the third long; tibiæ and tarsi naked; hind wing with vein 3 not approximated to 4, 5.

Head and thorax rufous; pectus, legs, and abdomen pale grey-brown. Fore wing rufous; a pale postmedial line from vein 2 to inner margin angled outwards on vein 1. Hind wing pale grey-brown.

*Hab.* VENEZUELA, Aroa, 1 ♀ type. *Exp.* 26 mm.



## Genus THERMAUGE, nov.

Proboscis slight; palpi slender, straight, extending about the length of head, frons smooth; antennæ of male almost simple, the basal joint rather long; tibiæ thickened and thickly scaled, the spurs minute, the tarsal joints greatly thickened. Fore wing with the apex rather produced and acute, the termen nearly straight; the lower part of cell open; veins 4, 5 from a point beyond 3; 6 from below upper angle; 7, 8, 9, 10 stalked, 7 from beyond 9; 11 from cell, a fold fringed with hair on base of costa below. Hind wing with the discocellulars retracted to near base; veins 3, 5 stalked, 4 absent; 6, 7 stalked, 8 anastomosing with 7.

*Thermauge flaviciliialis*, sp. n.

♂. Head and thorax bright chestnut with a silky gloss; hind legs and abdomen ochreous tinged with rufous. Fore wing bright chestnut with a silky gloss; cilia golden yellow except at tornus. Hind wing pale rufous.

*Hab.* NIGERIA, Old Calabar (*Crompton*), 1 ♂ type. *Exp.* 32 mm.

(2 a.) *Arta solutalis*, sp. n.

*Caphys dubia*, Druce, Biol. Centr.-Am., Het. ii. p. 549 (part.) (nec Warren).

♀. Head and thorax rufous; palpi at sides and legs red-brown, the mid tarsi whitish, the fore and hind tarsi with pale rings; abdomen grey-brown. Fore wing rufous tinged with yellowish and irrorated with fuscous; the first line medial, fuscous defined by yellowish on inner side, slightly excurved below costa and incurved below cell; postmedial line fuscous slightly defined by yellowish on outer side and somewhat bent outwards at discal fold; a dark terminal line; cilia red with paler tips. Hind wing greyish suffused with brown; a slight dark terminal line; cilia pale; the underside with the costal area suffused with red and irrorated with brown.

*Hab.* MEXICO, Jalapa (*Trujillo*), 2 ♀ type, S. Barbara, 1 ♀. *Exp.* 18 mm.

(5.) *Arta calidalis*, sp. n.

*Caphys dubia*, Druce, Biol. Centr.-Am., Het. ii. p. 549 (part.) (nec Warren).

♂. Head and thorax bright fuscous; mid tarsi whitish;



hind tarsi fuscous with pale rings; abdomen ochreous white. Fore wing bright fuscous; an indistinct somewhat diffused, dark, inwardly oblique, sinuous, medial line defined by whitish on each side; a somewhat diffused dark postmedial line, oblique below vein 5 and defined by whitish on outer side; a terminal series of slight black striæ. Hind wing ochreous white, the terminal area slightly tinged with rufous from apex to vein 2; a terminal series of slight fuscous striæ. Underside of fore wing with diffused blackish postmedial band from costa to vein 3; hind wing with diffused blackish postmedial patch on costa.

♀. Hind wing fuscous brown.

*Hab.* GUATEMALA, Las Mercedes, 3000' (*Champion*), 1 ♀; PARAGUAY, Sapucay (*Foster*), 1 ♂ type. *Exp.* 16 mm.

(6.) *Arta excisalis*, sp. n.

♂. Fore wing with two slight indentations in costa; the mid and hind tibiae and first joint of tarsi with tufts of scales.

Head and thorax reddish brown, the back of head with tufts of greyish hair; hind tibiae above and terminal joints of tarsi grey; abdomen grey-brown. Fore wing reddish brown slightly irrorated with fuscous; the antemedial line represented by an oblique grey striga from costa, a point in cell, and line from vein 1 to inner margin; postmedial line represented by a grey striga from costa, then a strongly excurved fuscous line, and a grey line from vein 1 to inner margin; a rather punctiform black terminal line; cilia fuscous with a fine whitish line at base. Hind wing grey suffused with fuscous brown; a rather punctiform black terminal line; cilia pale. Underside of fore wing with the costal area blackish to the postmedial indentation, the indentation whitish; hind wing with pairs of black striæ from costa near base and beyond middle, the apical area tinged with rufous.

*Hab.* BRAZIL, São Paulo (*D. Jones*), 1 ♂ type. *Exp.* 11 mm.

(2.) *Sarcistis phænicealis*, sp. n.

*Arta statalis*, Druce, Biol. Centr.-Am., Het. ii. p. 546 (part.) (nec Grote).

♀. Head and thorax pale blood-red; abdomen brownish white tinged with red below. Fore wing pale blood-red faintly irrorated with deeper red; an indistinct diffused red antemedial line excurved from costa to median nervure, then incurved; postmedial line diffused red defined by whitish on



outer side, oblique below discal fold. Hind wing whitish thickly irrorated with brown and faintly tinged with red; cilia white with fuscous line through them from apex to vein 2.

*Hab.* MEXICO, Teapa, Tabasco (*H. H. Smith*), 1 ♀; GRENADA, Mt. Gay Est (*H. H. Smith*), 1 ♀; ARGENTINA, Goya Corrientes (*Perrens*), 2 ♀ type. *Exp.* 14 mm.

(2.) *Diloxis ustalis*, sp. n.

♂. Fore wing with fovea in cell and no tuft of hair on median nervure.

Head, thorax, and abdomen grey-brown, the head and thorax with slight reddish tinge. Fore wing fiery red tinged with brown, the tuft of hair on costa browner; a fine dark terminal line; cilia fuscous with fine whitish line at base and whitish tips. Hind wing uniform fuscous brown; the underside greyish irrorated and suffused with brown, a curved postmedial line.

*Hab.* BRAZIL, Petropolis (*Doer*), 2 ♂ type. *Exp.* 18 mm.

(2.) *Hyperparachma rhodalis*, sp. n.

♂. Head and thorax rufous; pectus and legs grey-brown, the tarsi white; abdomen grey-brown. Fore wing dull crimson; the flap and ridges of scales purplish with an oblique blackish streak below it; cilia yellowish at tips. Hind wing grey-brown, the cilia tinged with dull crimson towards apex; the underside pale, the costal area irrorated with red, the fringe of hair in cell yellowish.

♀. Fore wing uniform dull crimson.

*Hab.* FR. GUIANA, Cayenne (*Schaus*), 1 ♂, 1 ♀ type. *Exp.* 16 mm.

(3.) *Hyperparachma ænalis*, sp. n.

♂. Hind wing with vein 2 from angle of cell; 3, 4, 5 stalked.

Head and thorax dull purplish red; mid and hind tarsi whitish; abdomen grey-brown tinged with purplish red below. Fore wing pale suffused and irrorated with purplish red, the flap of scales blackish with traces of an antemedial line from it to inner margin; an indistinct pale postmedial line slightly excurved between veins 6 and 2; a black line on apical half of termen. Hind wing greyish fuscous; cilia pale at base and tinged with purplish at apex; the underside



with the costal area irrorated with purplish, the fringe of hair in cell brownish, traces of a curved postmedial line.

*Hab.* FR. GUIANA, St. Jean Maroni (*Schaus*), 1 ♂ type; BRAZIL, Organ Mts., Tijuca (*Wagner*), 2 ♂. *Exp.* 14 mm.

(2.) *Galasa striginervalis*, sp. n.

Hind wing with veins 4, 5 shortly stalked.

Head and thorax rufous; pectus and legs fuscous, the tarsal joints whitish with the tufts of scales on mid and hind tarsi black; abdomen greyish fuscous. Fore wing rufous with slightly darker irroration, the veins with fine dark streaks; antemedial blackish streaks on subcostal and median nervures and inner margin, a black streak on terminal part of inner margin; traces of a pale postmedial line, very oblique from costa to vein 4, then inwardly oblique; a fine terminal black line intersected with yellowish points; cilia with a fine pale line through them. Hind wing whitish tinged with fuscous especially on terminal area; in female more uniformly fuscous; cilia whitish with a dark line through them; the underside with the costal area suffused with rufous, traces of a pale highly curved postmedial line.

*Hab.* MEXICO, Jalapa (*Schaus*), 1 ♀ type; type ♂ in Coll. *Schaus.* *Exp.*, ♂ 20, ♀ 22 mm.

(1 a.) *Blepharocerus ignitalis*, sp. n.

♂. Head and thorax ochreous suffused with fiery red; antennæ white ringed with red; abdomen whitish slightly irrorated with brown, the anal tuft tinged with red, the ventral surface deep red. Fore wing ochreous suffused and thickly irrorated with fiery red; an indistinct diffused red antemedial line with dark point at costa; a dark point on middle of costa with slight diffused red striga from it; postmedial line pale defined by red suffusion on inner side and with dark point at costa, slightly excurved below costa, then incurved to submedian fold and excurved to inner margin; a slight dark terminal line and line through the cilia. Hind wing white irrorated with brown; the terminal area tinged with red from apex to vein 2; a fine dark terminal line from apex to vein 2; the underside with the costal area suffused with red, a dark postmedial line defined by whitish on outer side, below vein 5 retracted to base of inner margin, showing through to upperside.

*Hab.* CHILI, Mulchen (*Elwes*), 3 ♂ type. *Exp.* 20-22 mm.



(2.) *Uliosoma anæmicalis*, sp. n.

♀. Fore wing with veins 4, 5 from cell.

Head and thorax olive-ochreous; abdomen whitish tinged with fuscous; pectus, legs, and ventral surface of abdomen fuscous brown; fore tarsi tinged with white, mid and hind tarsi whitish. Fore wing pale olive-ochreous, the cilia brown tipped with white. Hind wing white, the costal area and termen slightly tinged with brown. Underside of fore wing strongly irrorated with dark brown, an indistinct pale curved postmedial line slightly defined by brown on inner side; hind wing with the costal area strongly irrorated with dark brown and with very ill-defined maculate subterminal and terminal bands.

*Hab.* ARGENTINA, Goya Corrientes (*Perrens*), 1 ♀ type. *Exp.* 20 mm.

(3.) *Uliosoma caustalis*, sp. n.

*Galasa rubidana*, Kaye, Trans. Ent. Soc. 1901, p. 152 (nec Wlk.).

♂. Mid and hind legs with large tufts of scales on tibiæ and first tarsal joints; abdomen without tufts of hair; fore wing with two indentations in costa.

Head and thorax red mixed with dark brown; mid and hind tibiæ and tarsi with some black scales, the mid femora and tarsi grey, the hind tarsi grey except basal joint; abdomen fuscous with the anal tuft greyish. Fore wing deep cupreous red, the inner area suffused with fuscous; some slight grey marks at the indentations of costa; a terminal series of grey points and fine grey line at base of cilia which are fuscous. Hind wing grey tinged with fuscous especially on apical area; a fine grey line at base of cilia; the underside with the costal area suffused with red.

*Hab.* TRINIDAD (*Kaye*), 1 ♂ type. *Exp.* 16 mm.

(2.) *Acallis trichialis*, sp. n.

♂. Fore wing with the costa dilated near base, then with two slight indentations; hind wing with the inner area clothed with long hair above.

Head and tegulæ reddish; thorax grey-brown; legs with some cupreous red, the mid tarsi and hind femora white; abdomen grey-brown, the anal tuft reddish. Fore wing grey-brown suffused with rufous and with slight whitish striæ from the indentations of costa; cilia brown with fine whitish line at base and whitish tips. Hind wing grey suffused with



brown; the inner area whitish with the hair on inner margin red; the underside with the costal area reddish irrorated with brown and with some white and black scaling near base.

*Hab.* BRAZIL, Petropolis (*Doer*), 1 ♂ type. *Exp.* 20 mm.

(5 a.) *Caphys microthyralis*, sp. n.

♂. Head and thorax purplish pink; tarsi and abdomen whitish. Fore wing pale purplish pink, the fovea in cell hyaline. Hind wing white.

*Hab.* BRAZIL, Organ Mts., Tijuca (*Wagner*), 1 ♂ type. *Exp.* 14 mm.

(7.) *Caphys cuprealis*, sp. n.

♀. Head and thorax red mixed with dark brown, the back of head with tufts of ochreous hair; fore tarsi ringed with grey, mid tarsi grey, hind tarsi with the terminal joints grey. Fore wing deep cupreous red, the inner area and the costal area at middle purplish fuscous; termen dark; cilia fuscous mixed with some greyish. Hind wing greyish suffused with fuscous brown, rather deeper on apical area; cilia greyish with brown line through them on apical half; the underside with the costal area red irrorated with fuscous.

*Hab.* PARAGUAY, Sapucay (*Foster*), 1 ♀ type. *Exp.* 20 mm.

(8.) *Caphys rufalis*, sp. n.

♀. Head and thorax rufous; fore and mid tibiae and tarsi with some dark scales; hind legs whitish; abdomen grey. Fore wing rufous, the medial area yellowish rufous; the ante- and postmedial lines represented by slight dark striae from costa, then only defined by the contrasting medial area, the former curved, the latter oblique from costa to vein 5; cilia with fine yellowish line at base, then on apical half with rather punctiform deep rufous line and whitish tips, on inner half brownish. Hind wing pale greyish brown with rather darker terminal line; the cilia with fine pale line at base. Underside of fore wing brown with whitish striae from costa at the ante- and postmedial lines and some rufous towards apex; hind wing greyish suffused with brown on costal area and with some rufous towards apex, a slight oblique postmedial line from costa to vein 6 defined by whitish on outer side.

*Hab.* BRAZIL, Petropolis (*Doer*), 1 ♀ type. *Exp.* 16 mm.



(9.) *Caphys ditrogalis*, sp. n.

♂. Head and thorax ochreous mixed with rufous; tarsi fuscous ringed with white; abdomen grey suffused with brown. Fore wing ochreous irrorated and largely suffused with rufous, the veins slightly streaked with rufous; the two slight indentations on costa whitish with the double ante- and postmedial lines filled in with whitish rising from them, the former angled inwards in submedian fold, the latter oblique from costa to middle, then inwardly oblique and with the outer line black and somewhat diffused; some blackish points on termen. Hind wing whitish tinged with brown; a fine dark terminal line, punctiform towards apex; cilia whitish at base, brown at tips; the underside with the costal area irrorated with brown, a blackish mark on costa near base and a double postmedial line filled in with white on costal area.

*Hab.* FR. GUIANA, St. Jean Maroni (*Schaus*), 1 ♂ type. *Exp.* 12-14 mm.

(2.) *Cyclopalpia phæalis*, sp. n.

♀. Fore wing with the costa slightly excised beyond middle; veins 4, 5 from cell. Head and thorax grey-brown; abdomen greyish fuscous, with slight pale segmental lines. Fore wing grey-brown, with slight pale irroration and a silky gloss; a pale oblique antemedial line slightly incurved at middle; a pale postmedial line, oblique from costa to vein 6, then incurved; a fine dark terminal line intersected by pale points; a pale line through the cilia. Hind wing whitish tinged with fuscous, especially on terminal area; an indistinct, pale, curved postmedial line; a fine dark terminal line; cilia whitish, with a dark line through them.

*Hab.* MEXICO, Jalapa (*Schaus*), 1 ♀; Orizaba (*Schaus*), 1 ♀ type. *Exp.* 16 mm.

(2.) *Pelasgis cautichroalis*, sp. n.

♀. Head and thorax bright rufous glossed with silvery grey; palpi at base below and on inner side, pectus, and legs white, the fore and mid tibiæ and first joint of fore tarsi red-brown; abdomen orange-yellow. Fore wing bright glossy rufous, the terminal area tinged with fiery red; an indistinct, oblique, pale yellowish, waved antemedial line tinged with red; a slight dark spot at upper angle of cell; postmedial line pale yellowish, somewhat punctiform, oblique from costa to vein 5, then inwardly oblique, incurved in



submedian interspace; the veins of terminal area streaked with fiery red; a terminal series of black points with bluish-white points before them. Hind wing golden orange-yellow, the termen slightly tinged with fiery red, running up vein 2 nearly to cell; cilia fiery red, dark at middle. Underside of fore wing orange, the costal and terminal areas red.

*Hab.* JAMAICA, Runaway Bay (*Walsingham*), 1 ♀ type. *Exp.* 22 mm.

(2.) *Murgisca Marshalli*, sp. n.

♂. Palpi with tuft of hair on upperside near base protrusible from a fold; antennæ with long cilia; hind wing with vein 8 free.

Head, thorax, and abdomen pale vinous red. Fore wing pale vinous red slightly irrorated with darker scales; a medial golden-yellow band with some darker red scales on its edges, not reaching costa but ending in a point at upper angle of cell, and with its outer edge angled at lower angle of cell and vein 1. Hind wing golden yellow, with the termen and cilia reddish.

*Hab.* NATAL, Karkloof (*Marshall*), 1 ♂ type. *Exp.* 22 mm.

Genus CYCLIDALIS, nov.

Palpi extending about three times length of head and very strongly downcurved; frons with large tuft of hair; antennæ of male almost simple; tibiæ moderately clothed with hair. Fore wing with the costa strongly arched, the apex rounded; vein 2 from towards angle of cell; 3, 4, 5 from angle; 6 from below upper angle; 7, 8 stalked; 9 absent; 10, 11 from cell; male with a glandular swelling containing flocculent hair at base of costa on underside. Hind wing with vein 3 from near angle of cell; 4, 5 from angle; 6, 7 from upper angle; 7 anastomosing with 8.

*Cyclidalis chrysealis*, sp. n.

♂. Head and thorax chestnut-brown suffused with purple; abdomen dark brown. Fore wing golden-copper mostly suffused with purple to the postmedial line and on apical part of costa; an indistinct highly curved antemedial line with cupreous on its inner side; a discoidal spot; a postmedial indistinct line, very oblique from costa to vein 5, where it is angled, then incurved. Hind wing fuscous brown, the termen suffused with purple; cilia purplish, pale at base and tips.



*Hab.* BRAZIL, São Paulo. *Exp.* 24 mm. Type in Coll. Rothschild.

For *Chalinitis* insert LEPIDOMYS, Guen. Noct. ii. p. 201 (1852), which has priority.

For *Chalinitis olealis*, Rag., read LEPIDOMYS IRRENOSA, Guen. Noct. ii. p. 201 (1852).

♂. Fore wing without costal vesicle; antemedial tufts of scales on median nervure and below the cell.

(2 a.) *Lepidomys albisectalis*, sp. n.

♀. Head, thorax, and abdomen fuscous brown slightly mixed with greyish, the last with slight greyish segmental lines. Fore wing fuscous brown slightly tinged with red and with a greyish gloss; the costa slightly excised beyond middle, with a small, oblique, wedge-shaped, white mark from the excision and with minute white points towards apex. Hind wing fuscous brown with a greyish gloss, the cilia greyish at tips; the underside slightly irrorated with white and with rather diffused, curved, whitish postmedial line.

*Hab.* PANAMA, La Chorrera (*Dolby-Tyler*), 2 ♀ type. *Exp.* 14-16 mm.

(4.) *Lepidomys cuprealis*, sp. n.

♂. Head and thorax dull reddish brown; pectus, legs, and abdomen grey-brown, the last with slight grey segmental lines. Fore wing brown tinged with cupreous red and with slight dark irroration, the vesicle at base dark brown; an indistinct dark medial line, slightly incurved in submedian interspace, angled outwards on vein 1, then oblique to inner margin; an indistinctly double dark postmedial line, excurved from below costa to vein 2, and incurved in submedian interspace. Hind wing grey-brown with a silky gloss; the underside with curved dark postmedial line.

♀. Fore wing less tinged with red.

*Hab.* TRINIDAD; VENEZUELA, Aroa, 1 ♂ type, type ♀ in Coll. Schaus; BRAZIL, Santarem (*Leech*), 1 ♂. *Exp.* 12 mm.

(5.) *Lepidomys medialis*, sp. n.

♀. Head, thorax, and abdomen dark brown mixed with some grey. Fore wing greyish, suffused and irrorated with



glossy reddish brown, the medial area slightly greyer, especially towards antemedial line, which is prominent, whitish, obliquely curved; postmedial line less distinct, whitish, outwardly oblique from below costa to vein 5, then inwardly oblique; the termen slightly darker; cilia greyish, dark at tips. Hind wing glossy fuscous brown; cilia greyish, dark at tips.

*Hab.* ARGENTINA, Tucuman, Los Vasquez (*Dinelly*), 1 ♀ type. *Exp.* 14 mm.

(2.) *Ochresia flammealis*, sp. n.

Fore wing with the costa strongly excised beyond middle, the termen strongly excurved at middle; male with tympanic vesicle at base of costa fringed with large scales.

Head and thorax fiery red mixed with dark brown; abdomen dark brown. Fore wing deep fiery red with slight darker irroration, the antemedial area except towards inner margin and the apical area to below vein 5 reddish orange; an indistinct, very oblique, silvery antemedial line from cell to inner margin; an oblique pure white postmedial line from vein 6 to submedian fold; the termen fiery red except at apex. Hind wing uniform dark brown.

*Hab.* FR. GUIANA, Cayenne (*Schaus*), 1 ♀; BRAZIL, Amazons, Para (*Goeldi*), 1 ♂ type. *Exp.* 30-32 mm.

(2 a.) *Epitamyra purpurascens*, sp. n.

♀. Head and thorax purplish red; pectus and legs fuscous; abdomen greyish fuscous with slight pale segmental lines. Fore wing purplish red, the costal half somewhat darker except towards apex; traces of greyish slightly oblique medial and postmedial lines; the apical half of termen with slight dark line with some greyish scales on it. Hind wing fuscous brown with a silky gloss.

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

(5.) *Epitamyra thermalis*, sp. n.

♂. Head and thorax dark red-brown; abdomen pale grey-brown with slight grey segmental lines. Fore wing deep red-brown; the scales fringing the costal vesicle leaden fuscous; traces of a pale waved antemedial line with redder band before it; a pale waved postmedial line, oblique from costa to vein 2, then erect and with redder band beyond it except towards costa; a whitish point on costa well beyond



middle. Hind wing pale greyish fuscous slightly tinged with red towards termen and with traces of a curved pale subterminal line between vein 4 and submedian fold; the underside grey, the costal and terminal area down to vein 2 suffused with rufous; an indistinct, pale, curved postmedial line.

*Hab.* JAMAICA, Newcastle, 1 ♂ type. *Exp.* 20 mm.

#### Genus PYRAUGE, nov.

Palpi downcurved, extending about three times length of head, the second joint fringed with hair below towards extremity, the third thickly scaled; frons smooth; antennæ of male almost simple; mid tibiæ very thickly clothed with hair and scales. Fore wing with the costa highly arched near base, then slightly excised, the termen nearly straight; vein 3 from angle of cell; 4, 5 stalked; 6 from upper angle; 7, 8 stalked; 9, 10 absent; 11 from cell. Hind wing with vein 3 from angle of cell; 4, 5 stalked; 6, 7 from upper angle, 8 anastomosing with 7.

#### *Pyrauge flummealis*, sp. n.

♂. Head whitish; palpi with the second joint brownish at extremity, the third blackish; tegulæ ochreous; thorax red; legs whitish, the mid tibiæ and tarsi black; abdomen whitish tinged with fuscous, the ventral surface red-brown, white at extremity. Fore wing fiery red, the basal area deeper red; an oblique black striga from costa before the excision, which is whitish; cilia white, with strong, slightly waved, black line through them. Hind wing pale fuscous brown, the terminal area tinged with red-brown to vein 2; cilia fuscous, with a fine white line at base. Underside with the basal costal area of both wings suffused with fuscous; fore wing with postmedial line slightly incurved below costa, then excurved and ending at vein 2; hind wing with blackish band from costa to lower angle of cell and sinuous postmedial line.

*Hab.* BRAZIL, Organ Mts., Tijuca (*Wagner*), 1 ♂ type. *Exp.* 16 mm.

#### (1 a.) *Nachaba diplagialis*, sp. n.

♂. Black; frons, hind tarsi, and ventral surface of abdomen greyish. Fore wing with large, triangular, bright golden-yellow patch on basal half, leaving the margin black and running out to a point above inner margin beyond



middle; a patch from below costa beyond middle to just above tornus, its edge towards apex rounded. Hind wing bright golden yellow; the apical area black, its inner edge curved from costa just beyond middle to vein 2, where there is a diffused black spot just inside it, then continued as a narrow terminal band to tornus.

*Hab.* SURINAM, Paramaribo (*Ellacombe*); BRAZIL, Organ Mts., Tijuca (*Wagner*), 1 ♂ type. *Exp.* 12 mm.

(8.) *Nachaba nyctalis*, sp. n.

♂. Head and thorax black-brown with a silvery-blue gloss; tarsi whitish; abdomen fuscous brown. Fore wing black-brown; the basal area, a medial band, and the terminal area glossed with silvery blue. Hind wing black-brown, the terminal area glossed with silvery blue, running up below vein 2 to the cell.

*Hab.* FR. GUIANA, St. Jean Maroni (*Schaus*), 1 ♂ type. *Exp.* 20 mm.

(3.) *Arouva castanealis*, sp. n.

♀. Head and thorax deep red-brown; tarsi whitish; abdomen fuscous brown. Fore wing deep glossy red-brown; a slight black discoidal point; traces of a minutely dentate whitish postmedial line, with more prominent white point on costa, slightly excurved between veins 6 and 2 and angled inwards in submedian fold; cilia dark brown at base, greyish fuscous at tips. Hind wing fuscous brown with a reddish tinge; cilia dark brown at base, greyish fuscous at tips; the underside with indistinct, curved, minutely dentate postmedial line.

*Hab.* TRINIDAD (*Kaye*), 1 ♀ type. *Exp.* 30 mm.

ENDOTRICHINÆ.

(3 a.) *Endotricha lobibasalis*, sp. n.

Fore wing of male with a lobe at base of costa, the apex produced upwards to a point, the inner margin not lobed at base.

♂. Grey-brown with a fulvous tinge and slightly irrorated with dark scales. Fore wing with dark spot at upper angle of cell; the terminal area pinkish; a fine black terminal line. Hind wing suffused with ferruginous scales; a terminal pinkish band with fine pale line on its inner side; cilia with black line through them, pink at base, white at tips. Under-



side of fore wing with pale subterminal line; hind wing with curved blackish postmedial line.

*Hab.* QUEENSLAND, Cedar Bay (*Meek*), 1 ♂ type. *Exp.* 22 mm.

(3 b.) *Endotricha trichophoralis*, sp. n.

♂. Fore wing with thick fringe of hair on base of costa; hind wing with fold and fringe of hair on inner area above; fore coxæ very long, with toothed fringe of hair above. Head, thorax, and abdomen yellow mixed with purplish pink and black; fore coxæ with the fringe of hair black; ventral surface of abdomen with medial black patch. Fore wing pink suffused with purplish fuscous and irrorated with black; a slight curved black antemedial line; a discoidal point; a punctiform black terminal line; cilia pink, with a black line through them. Hind wing pink suffused with purplish fuscous and irrorated with black, the basal area slightly suffused with black; a medial yellowish band except on inner area suffused with pink and irrorated with black, with pale lines defined by black before and beyond it, the inner line curved, the outer waved; a lunulate black terminal line; cilia pink, with a punctiform black line through them; the underside with oblique black antemedial line; a double, diffused, minutely waved postmedial line from costa beyond middle to termen before tornus, the area between the two lines whitish.

*Hab.* SINGAPORE (*Ridley*), 1 ♂ type. *Exp.* 16 mm.

(3 c.) *Endotricha hypogrammalis*, sp. n.

♂. Hind wing without fold in cell.

Head, thorax, and abdomen pale rufous tinged with purplish pink, the last rather darker, with slight pale segmental lines; palpi tinged with fuscous, the third joint whitish. Fore wing pale rufous suffused and slightly irrorated with purplish pink. Hind wing purplish pink, the costal area and cell pale; cilia fuscous at base, white at tips; traces of medial and postmedial lines on inner area. Under-side pinker, with dark irroration; fore wing with series of slight yellowish spots on costa, black discoidal bar, and pale, very minutely waved, subterminal line, defined on each side by dark scales; hind wing with black discoidal point and slightly sinuous line from it to inner margin, postmedial line black and diffused from costa to vein 3, then whitish defined on each side by black; traces of a pale subterminal line towards costa.



*Hab.* CENTR. CHINA, Ichang (*Mrs. Pratt*), 2 ♂ type.  
*Exp.* 20 mm.

(3 d.) *Endotricha nicobaralis*, sp. n.

♂. Fore wing normal; hind wing on underside with fovea below base of cell.

Head, thorax, and abdomen ochreous tinged with purplish pink. Fore wing ochreous slightly suffused and irrorated with purplish pink; a series of small whitish spots on costa with dark points in centres; a small black discoidal lunule; a minutely waved whitish subterminal line, defined by dark scales on outer side, incurved to costa, the area beyond it purplish pink; a fine black terminal line; cilia purplish pink at base, white at tips. Hind wing ochreous suffused and slightly irrorated with purplish pink, the costal area and cell pale; a fine dark terminal line; cilia purplish pink at base, white at tips. Underside of fore wing with indistinct dark postmedial line arising at vein 5 and below vein 3 excurved to near tornus; hind wing with traces of two lines from costa beyond middle to near tornus.

*Hab.* NICOBAR IS. (*Rogers*), 3 ♂ type. *Exp.* 20 mm.

(4 a.) *Endotricha (Perisseretma) phæalis*, sp. n.

♂. Tegulæ not reaching beyond metathorax.

Head and thorax brown irrorated with black; palpi, tegulæ, and abdomen blackish. Fore wing brown suffused and irrorated with fuscous; traces of an antemedial sinuous dark line, angled outwards below cell; a discoidal black point; some dark points on costa towards apex; a pale dentate subterminal line, bent outwards towards inner margin, the area beyond it darker. Hind wing black-brown; a pale line from costa near base to lower angle of cell, then waved to inner margin; a pale waved subterminal line, bent outwards near tornus; both wings with terminal series of black points and pale line at base of cilia.

*Hab.* BRIT. N. GUINEA, Moroka (*Anthony*). *Exp.* 22 mm.  
Type in Coll. Rothschild.

(6 a.) *Endotricha denticostalis*, sp. n.

♂. Head and thorax fuscous brown tinged with pink; abdomen yellow tinged with pink, some black scales in anal tuft, the basal half of ventral surface fuscous; legs with some whitish. Fore wing purplish pink slightly irrorated with black; the basal area suffused with black, bounded by



an obliquely curved, slightly waved, yellow line, defined by black on outer side towards costa; the costa with series of scale-teeth, edged by a waved black line, with series of small yellow spots between them; a slight black discoidal point; a curved, double, minutely waved, subterminal black line; a punctiform black terminal line; a slight black line through the cilia. Hind wing purplish pink irrorated with black, the basal area suffused with black, bounded by a somewhat paler pink medial band with slightly waved black edges; a punctiform black terminal line; a series of black points on the cilia; the underside with sinuous black antemedial line, incurved in cell before the discoidal point; a double, diffused, waved postmedial line.

*Hab.* BORNEO, Pulo Laut (*Doherty*), 1 ♂ type. *Exp.* 20 mm.

(7 a.) *Endotricha niveifimbrialis*, sp. n.

♀. Bright purplish pink; abdomen irrorated with black. Fore wing rather thickly irrorated with black; a series of minute white spots with pink centres on costa, with dark striæ between them; a slight black discoidal spot; an indistinct curved subterminal line; a punctiform black terminal line; cilia purple-pink mixed with black, a pure white patch on them below apex, then their tips white to middle. Hind wing thickly irrorated with black; a punctiform black terminal line; cilia pink with series of black spots, their tips white from apex to vein 2; the underside with indistinct, slightly waved, pale antemedial line, defined by fuscous on outer side, and pale waved postmedial line defined by fuscous on both sides.

*Hab.* SIERRA LEONE (*Clements*), 1 ♀ type. *Exp.* 12 mm.

(8 a.) *Endotricha flavirubralis*, sp. n.

♂. Head and thorax fiery red; fore tibiæ dark in front; abdomen yellow dorsally suffused with fiery red except at base and extremity and irrorated with a few dark scales. Fore wing yellow; the basal area suffused with fiery red, bounded by the waved yellow antemedial line, slightly defined by red on outer side; the medial area with the costal area and inner margin suffused with red, some slight yellow spots on costa; the area beyond and below angle of cell suffused with fiery red; postmedial line yellow, excurved from costa to vein 2, then slightly angled inwards; terminal area fiery red, yellowish at apex; cilia fuscous, with a fine pale line at base. Hind wing yellow, the basal and inner



areas suffused with fiery red and dark scales and with traces of an oblique waved antemedial line; postmedial line yellow, excurved at middle, the area beyond it fiery red; cilia fuscous, with a fine pale line at base; the underside with some blackish irroration.

*Hab.* ASHANTI, Kumassi (*Whiteside*), 1 ♂ type. *Exp.* 24 mm.

(28 a.) *Endotricha mediolineata*, sp. n.

♀. Vinous purple irrorated with fuscous; head paler. Fore wing with black lines just before and after middle, the former slightly angled on median nervure, the latter just below costa. Hind wing with two slightly sinuous, almost medial, black lines. Underside pinker, the antemedial line absent, the postmedial more prominent.

*Hab.* SIKHIM, 2800 feet (*Pilcher*), 1 ♀ type. *Exp.* 14 mm.

(2.) *Scenedra flavibasalis*, sp. n.

Purplish brown; vertex of head, the greater part of legs, and base of abdomen yellowish. Fore wing irrorated with fuscous scales; an obscure discoidal point and terminal series. Hind wing with the basal half orange-yellow; a discoidal point; a curved postmedial line defined by yellow on outer side; the terminal area brown tinged with vinous red towards tornus; cilia purplish with a pale line at base.

*Hab.* QUEENSLAND, Cooktown, Cedar Bay (*Meek*); Geraldton (*Meek*), 1 ♀ type. *Exp.* 18 mm. Type ♂ in Coll. Rothschild.

(1.) *Callasopia semirufalis*, sp. n.

♂. Head and thorax grey mixed with rufous; abdomen grey mixed with black and rufous. Fore wing with the basal half rufous bounded by a white line; the terminal half grey irrorated with black; a black discoidal spot; a postmedial white line excurved between veins 6 and 2, with a broad area of rufous suffusion on its inner side except below costa and black marks above vein 5 and below 2, and rufous patches beyond it on costa and inner margin. Hind wing white.

*Hab.* BRAZIL, Castro Paraña (*Jones*), 1 ♂ type. *Exp.* 16 mm.

(3.) *Cangetta aurantiaca*, sp. n.

♂. Differs from *C. albocarnea* in being bright orange-red. Fore wing with a narrow whitish band before the postmedial



line, which is very slightly excurved at vein 4 instead of angled or broken : a marginal red line instead of the series of points just inside the margin. Hind wing with the post-medial line defined by whitish on inner side ; a marginal red line.

*Hab.* NEW GUINEA, Humboldt Bay (*Doherty*). *Exp.* 14 mm. Type in Coll. Rothschild.

(2.) *Diplopseustis nigerialis*, sp. n.

♀. Head, thorax, and abdomen brown suffused with fuscous, the last paler at base, then with slight whitish segmental lines ; tibiæ and tarsi whitish ringed with fuscous. Fore wing brown suffused with fuscous ; a white antemedial striga from costa ; medial white strigæ from costa and inner margin ; a small black discoidal spot ; some white points on postmedial part of costa ; a white subterminal line slightly incurved from costa to discal fold, then strongly incurved to inner margin ; a sinuous fuscous line just before termen ; a fine black terminal line ; cilia whitish, fuscous at tips. Hind wing pale suffused and irrorated with fuscous brown ; diffused blackish medial and postmedial bands ; a sinuous fuscous line just before termen ; a fine black terminal line ; cilia whitish with fuscous tips.

*Hab.* NIGERIA, Old Calabar (*Crompton*), 1 ♀ type. *Exp.* 12 mm.

(3.) *Diplopseustis selenalis*, sp. n.

♀. Head, thorax, and abdomen brown mixed with whitish ; palpi above and frons white ; pectus and legs whitish, the latter tinged with brown. Fore wing brown ; a whitish antemedial line defined by fuscous on outer side, angled outwards below costa and incurved in submedian interspace ; the costa beyond antemedial line with series of small white spots, the four towards apex with slight brown centres ; a black discoidal lunule defined by white on outer side ; subterminal line white defined by fuscous on inner side, arising from the costal spot nearest apex, incurved to vein 5, where it is angled outwards, obliquely incurved to vein 3, where it is again slightly angled, then strongly incurved to inner margin ; a fine black terminal line ; cilia brown at base, then with fine black line and white tips. Hind wing brown ; a sinuous white subterminal line bent inwards at vein 2 and with some fuscous suffusion before and beyond it in submedian interspace ; cilia whitish with a fuscous line through them ; the underside whitish strongly



mottled and striated with brown; a black discoidal lunule and ill-defined sinuous subterminal line.

*Hab.* NEW GUINEA, Fergusson I. (*Meek*), 1 ♀ type. *Exp.* 18 mm.

(4.) *Hendecasis melalophalis*, sp. n.

♀. White; palpi blackish at sides; abdomen with black dorsal crest on third segment. Fore wing with the apical area suffused with golden yellow, the inner half tinged with pale fulvous; a black antemedial point on costa, with a straight, erect, pale fulvous line just beyond it; an obliquely curved pale fulvous postmedial line; a fine dark terminal line from just below apex to vein 5; cilia golden yellow, with a fine line at tips. Hind wing with the terminal area tinged with pale fulvous; fine fulvous ante- and postmedial lines, with black points at inner margin; cilia fuscous at base, then whitish with brownish tips.

*Hab.* QUEENSLAND, Townsville (*Dodd*), 1 ♀ type. *Exp.* 12 mm.

(5.) *Hendecasis diplogrammalis*, sp. n.

♀. White; palpi black; frons tinged with fuscous; abdomen with black dorsal crest on third segment. Fore wing with the terminal area tinged with pale fulvous; a curved pale fulvous antemedial line, with small black spot at costa; an obliquely curved double postmedial line, the outer line indistinct; a fine black terminal line from apex to vein 5; cilia golden yellow, with fine brown lines at middle and tips. Hind wing with the terminal area tinged with pale fulvous; fine brown antemedial and postmedial lines, with black points at inner margin, the latter double; a dark terminal line, stronger towards tornus; cilia white with brown tips.

*Hab.* BALI, Low Country (*Doherty*), 1 ♀ type. *Exp.* 12 mm.

(6.) *Hendecasis minutalis*, sp. n.

♂. Palpi extending about the length of head, the third joint minute; fore wing with veins 7 and 10 stalked, 8, 9 absent.

White; palpi slightly tinged with rufous at sides; wings slightly tinged with rufous. Fore wing with black point below base of cell; an oblique, fuscous, almost medial line from cell to inner margin and traces of a fine brown line from costa beyond middle to inner margin near tornus.



Hind wing with oblique brown antemedial line and faint sinuous line from costa beyond middle to tornus.

*Hab.* CEYLON, Hambantota (*Pole*), 1 ♂ type. *Exp.* 12 mm.

(2.) *Parachmidia picta*, sp. n.

♂. Fore wing without fovea in cell; a fold at base of costa.

Head and thorax pale rufous and ochreous; fore coxæ black; abdomen ochreous. Fore wing rufous to the straight oblique white antemedial line ending at middle of inner margin; its costal half defined on outer side by some black scales, followed by a broad area of pink suffusion; the postmedial line white, minutely waved, oblique from costa to vein 5, then erect to submedian fold, where it is angled inwards, then sinuous; a large white patch irrorated with black scales, and defined on inner side by black on inner side of costal half of postmedial line, and a similar patch on inner area between the ante- and postmedial lines; a pinkish patch irrorated with black scales on inner area beyond the postmedial line, defined above by an oblique waved black line from below costa to termen at vein 2; a fine white terminal line. Hind wing whitish tinged with brown, especially towards termen. Underside of fore wing with the costal fold white, the costal area of both wings purplish red, with white patch or line beyond the black postmedial line, which is obsolescent except towards costa.

*Hab.* VENEZUELA, Cucuta. *Exp.* 14 mm. Type in Coll. Rothschild.

(2 a.) *Cotachena bivitreata*, sp. n.

♂. Head, thorax, and abdomen pale fulvous yellow mixed with black, abdomen with a white band on basal segment. Fore wing fulvous yellow suffused with black except on inner area as far as the postmedial line; a series of white marks on costa; two hyaline white patches in cell forming slight foveas; the postmedial line with a series of hyaline points on it, expanding into a large trifid white spot between veins 8 and 5, and a bifid spot on inner side of the retracted portion below vein 2; a series of conjoined leaden-fuscous spots just inside the margin and a marginal series of black points. Hind wing pale yellow; a black discoidal point; a fuscous postmedial line, minutely waved and bent outwards between veins 5 and 2; a waved fuscous line just inside the margin.

*Hab.* OINAINISSA (*Doherty*), 1 ♂; FERGUSSON I. (*Meek*), 1 ♂ type. *Exp.* 18 mm.



## Genus OXYCHIROTA, Meyr.

- A. Palpi extending twice the length of head ; ground-colour rufous ..... *ceylonica*.  
 B. Palpi extending one and a half times length of head.  
   *a.* Palpi broadly scaled ; ground-colour rufous ..... *paradoxa*.  
   *b.* Palpi slenderly scaled ; ground-colour whitish tinged with rufous ..... *mesocola*.

(1.) *Oxychirota ceylonica*, sp. n.

♂. Head, thorax, and abdomen rufous mixed with some whitish. Fore wing rufous overlaying pale scaling and with slight dark irroration ; the scale-teeth on inner margin black ; black points at middle and end of cell. Hind wing rufous overlaying pale scaling and with slight dark irroration ; the scale-teeth on inner margin black.

*Hab.* CEYLON, Peradeniya (*Thwaites*), 1 ♂ type. *Exp.* 14 mm.

(2.) *Oxychirota paradoxa*, Meyr. Trans. Ent. Soc. 1884, p. 438.

*Hab.* QUEENSLAND ; N. S. WALES.

(3.) *Oxychirota mesocola*, sp. n.

*Oxychirota paradoxa*, Wlsm. Monograph of Christmas I. p. 75 (1900), nec Meyr.

Head, thorax, and abdomen whitish tinged with rufous and irrorated with a few dark scales. Fore wing whitish tinged with rufous ; medial, postmedial, and subterminal bands formed of fuscous and silvery scales ; the small scale-teeth of inner margin formed of black scales. Hind wing whitish tinged with rufous and sparsely irrorated with black ; obscure antemedial, medial, postmedial, and terminal pale rufous bands ; the small scale-teeth of inner margin formed of black scales.

*Hab.* INDIAN OCEAN, Christmas I. (*Andrews*), 2 ♂, 5 ♀ type. *Exp.* 8 mm.

## PYRALINÆ.

(2 *a.*) *Vitessa glaucoptera*, sp. n.

Head and thorax orange-yellow ; third joint of palpi, antennæ, and spots on collar and tegulæ black ; legs and abdomen black banded with greenish grey ; anal tuft orange. Fore wing greenish grey with orange patch at base, with a



metallic blue-black basal band from below costa, curved and running along inner margin, and bounded by a blue-black band varying in width; a blue-black patch in end of cell, sometimes with a patch below the end; the interspaces of outer third of wing broadly streaked with blue-black, the streak in discal fold expanding at basal end. Hind wing black with very broad curved bluish-white band occupying nearly half the wing; cilia of both wings black tipped with white.

*Hab.* QUEENSLAND, Cooktown, Cedar Bay. *Exp.* 30 mm. Type in Coll. Rothschild.

(5 a.) *Vitessa vitialis*, sp. n.

♀. Head and thorax orange; third joint of palpi and antennæ black; tegulæ and shoulders with metallic-blue patches; pectus and legs black with some metallic-blue scales; mid and hind legs with whitish stripes on femora and the extremity of tibiæ whitish; abdomen black-brown, the ventral surface shot with metallic blue, lateral and ventral white segmental lines, the anal tuft orange. Fore wing black shot with metallic blue; a subbasal orange band from just below costa to vein 1; a narrow white antemedial band; a somewhat oblique white band from upper angle of cell to vein 1, rounded above and pointed below; the veins of terminal area streaked with white; cilia white at tips. Hind wing black shot with metallic blue; cilia white at tips; the underside with the veins streaked with white towards termen.

*Hab.* FIJI, 1 ♀ type. *Exp.* 60 mm.

(5 b.) *Vitessa cyanea*, sp. n.

♂. Head and thorax bright orange; third joint of palpi, antennæ, and spots on collar and tegulæ black; abdomen black with ventral white bands, anal tuft orange. Fore wing metallic blue-black, with small orange basal patch with black spot on it; a bluish-white antemedial line, slightly bent inwards to costa and not reaching inner margin; a large discal white patch with its outer edge dentate and with streaks on the veins towards apex. Hind wing black; cilia of both wings black tipped with white.

*Hab.* N. GUINEA, Fergusson Island, 1 ♂ type. *Exp.* 44 mm.

(8.) *Vitessa unipectinalis*, sp. n.

Antennæ of male unipectinate, with long branches, the apex serrate.



♂. Head orange, the palpi and antennæ black; thorax and abdomen black shot with metallic blue, the latter with the terminal segment orange. Fore wing black shot with metallic blue; a narrow medial white band incurved to costa, which it does not quite reach; a white streak on vein 6 and slight streak on vein 7 to the wedge-shaped white band just before termen from just below costa to a point at vein 4. Hind wing black-brown with a metallic-blue gloss.

*Hab.* SOLOMONS, Gizo I. (*Meek*), 2 ♂ type. *Exp.* 34 mm.

(1 a.) *Aglossa rhodalis*, sp. n.

Head and thorax ochreous more or less completely suffused with bright purplish red; abdomen ochreous tinged with red. Fore wing ochreous thickly irrorated or sometimes largely suffused with deep purplish red; the lines ochreous, diffused, defined on each side by deep red; the subbasal line waved, bent outwards to inner margin; the antemedial line excurved in interspaces and angled inwards on median nervure and vein 1; a red discoidal spot; postmedial line more strongly defined towards costa, irregularly waved, bent outwards at vein 5; a terminal series of small deep red spots. Hind wing ochreous tinged with red and with terminal series of obscure dark points; the underside pale ochreous.

*Ab.* 1.—The marking darker red.

*Hab.* C. COLONY, Deelfontein (*Col. Sloggett*), 5 ♂, 4 ♀ type. *Exp.* 30–40 mm.

(1 b.) *Aglossa phæalis*, sp. n.

♂. Head and thorax red-brown mixed with black and some fuscous; tibiæ and tarsi fuscous with slight ochreous rings; abdomen fuscous with ochreous segmental lines, the ventral surface ochreous. Fore wing ochreous slightly tinged with rufous and thickly irrorated with black; the lines diffused ochreous strongly defined by black; subbasal line waved, from costa to vein 1; antemedial line excurved in submedian interspace; a black discoidal spot; postmedial line not clearly defined on outer side, angled inwards in discal and submedian folds, excurved and minutely dentate between veins 4 and 2; a terminal series of black spots. Hind wing fuscous, with ill-defined pale postmedial line between veins 5 and 2, where it is angled outwards; a pale mark on inner margin above tornus; an obscure terminal series of dark spots; a fine ochreous line at base of cilia.



*Hab.* BASUTOLAND, Maseru (*Crawshay*), 2 ♂ type. *Exp.* 32 mm.

(1 c.) *Aglossa infuscalis*, sp. n.

♂. Proboscis minute. Fuscous black-brown. Fore wing with traces of a pale waved subbasal line; a more distinct antemedial line; a black discoidal spot; the postmedial line pale, angled inwards at veins 5 and 2, bent outwards and dentate between veins 4 and 2; a terminal series of black points. Hind wing paler towards base; an indistinct pale, curved, and waved postmedial line; a fine pale terminal line defined by black on each side.

*Hab.* ZAMBESI, Loangwa R., M'peta (*Coryndon*). *Exp.* 24 mm. Type in Coll. Rothschild.

(2 a.) *Aglossa oculalis*, sp. n.

♂. Head and thorax reddish brown mixed with fuscous; palpi with fuscous band on second joint; tibiæ and tarsi fuscous with pale rings; abdomen ochreous suffused with brown. Fore wing ochreous slightly tinged with rufous and largely suffused with black-brown, the terminal area ochreous with dark streaks on the veins; antemedial line diffused, ochreous defined by dark scaling on each side, oblique from costa to submedian fold, where it is acutely angled outwards, and obsolete below vein 1; four small ochreous spots on medial part of costa; a brown discoidal spot with pale annulus; postmedial line only defined by the pale terminal area, minutely dentate, excurved from costa to vein 4, then incurved. Hind wing pale ochreous slightly tinged with brown; the underside with faint traces of curved postmedial line.

*Hab.* U.S.A., Texas (*Belfrage*), 2 ♂ type. *Exp.* 20 mm.

(3 a.) *Aglossa ommatalis*, sp. n.

♂. Head, thorax, and abdomen ochreous irrorated with dark brown, the last with pale segmental bands. Fore wing ochreous thickly irrorated with dark brown; antemedial line indistinct, pale, defined by dark scales, with dark marks before and beyond it at costa and in submedian fold, angled outwards below the cell, then incurved; a black discoidal spot on a pale mark; a pale streak in submedian fold on medial area; postmedial line indistinct, pale, defined on inner side by dark scaling and slight dentate black marks above and below vein 6 and in submedian fold, excurved from costa



to vein 4 and angled inwards in submedian fold; a terminal series of black points. Hind wing ochreous suffused and irrorated with dark brown; a terminal series of slight dark points; the underside whitish, with slight discoidal point and indistinct curved postmedial line.

*Hab.* CYPRUS plains (*Miss D. Bate*), 1 ♂ type. *Exp.* 28 mm.

(5 a.) *Aglossa rubralis*, sp. n.

♀. Head and thorax purplish red; abdomen ochreous tinged with rufous. Fore wing purplish red; traces of a waved antemedial line, with more prominent black points below cell and on inner margin; some black points on medial part of costa; a black discoidal spot; postmedial line rather ill-defined, black, somewhat angled inwards at discal and submedian folds; a terminal series of black points. Hind wing fuscous brown with terminal series of somewhat darker points; cilia with a fine pale line at base; the underside paler and suffused with red, a slight discoidal point and indistinct curved postmedial line.

*Hab.* BR. C. AFRICA, Likomo (*de Jersey*), 3 ♀ type. *Exp.* 22-24 mm.

(5 b.) *Aglossa approximalis*, sp. n.

♀. Head, thorax, and abdomen ochreous tinged with brown. Fore wing ochreous tinged with reddish brown and sparsely irrorated with dark brown; the costa with series of small alternating brown and ochreous spots; antemedial line brown, obliquely curved; a black discoidal spot; postmedial line very indistinctly double, brown, diffused, incurved to costa, then oblique and approximated to antemedial line at inner margin; a terminal series of slight dark points; cilia white with slight dark line near tips. Hind wing yellowish white, the cilia with slight dark line near tips; the underside with the costal area irrorated with brown, an indistinct discoidal spot, and traces of a curved postmedial line.

*Hab.* NIGERIA, Borgu, Yelwa L. (*Migeod*), 1 ♀ type. *Exp.* 16 mm.

(7.) *Aglossa ferrealis*, sp. n.

Fore wing with veins 4, 5 stalked; hind wing with veins 4, 5 coincident.



♀. Uniform pale ferruginous brown; hind wing rather darker brown.

*Hab.* MASHONALAND, Salisbury (*Marshall*), 1 ♀ type. *Exp.* 26 mm.

(8.) *Aglossa ocelliferalis*, sp. n.

Fore wing with veins 4, 5 stalked; hind wing with veins 3, 5 stalked, 4 absent.

♂. Head and thorax ochreous; sides of palpi and frons and tips of tegulæ and patagia deep purple-red; legs suffused with red, the fore tarsi ringed with ochreous; abdomen ochreous with dorsal reddish bands. Fore wing narrow, deep purple-red; a waved ochreous subbasal line, diffused towards inner margin; a waved ochreous antemedial line, forming ocelli with red centres at costa and above inner margin, where there is an ochreous striga before it; the medial part of costa with small ochreous spots; a medial series of three conjoined ochreous ocelli with red centres in and below cell and above inner margin; an ochreous line from costa beyond middle to tornus, dilated at middle and enclosing an irregular red mark; the termen irregularly ochreous with series of small red spots; cilia ochreous tinged with red. Hind wing yellowish white with fine punctiform reddish terminal line; the underside with the costal area tinged with rufous.

*Hab.* UGANDA, Karasa (*Betton*), 1 ♂ type. *Exp.* 18 mm.

Genus PARAGLOSSA, nov.

Type, *P. zonalis*.

Proboscis absent; palpi upturned, the second joint fringed with scales in front, the third rather long, naked, and acuminate. Fore wing rather broad, the apex rounded, the termen evenly curved; vein 3 from near angle of cell; 4, 5 from angle; 6 from upper angle; 7, 8, 9 stalked; 10, 11 from cell. Hind wing with veins 3 from near angle of cell; 4, 5 from angle; 6, 7 from upper angle.

SECT. I.—Antennæ of male pectinate, with paired, long, fine branches followed by shorter finer branches from each joint; fore and hind wings with veins 4, 5 somewhat approximated.

(1.) *Paraglossa atrisquamalis*, sp. n.

♂. Head, thorax, and abdomen olive-yellow tinged with brown and slightly irrorated with black. Fore wing olive-yellow sparsely irrorated with large black scales; a slight black discoidal spot and traces of postmedial line from costa



to vein 2; a terminal series of small black spots; cilia with fuscous lines at middle and tips. Hind wing olive-yellow strongly irrorated with large black scales; a terminal series of small black spots; cilia with fuscous lines at middle and tips; the underside with traces of curved subterminal line.

*Hab.* BR. E. AFRICA, Boiyuba (*Betton*), 1 ♂ type. *Exp.* 24 mm.

SECT. II.—Antennæ of male minutely serrate and fasciculate; fore and hind wings with veins 4, 5 radiating from angles of cell.

(2.) *Paraglossa zonalis*, sp. n.

♂. Head, thorax, and abdomen olive-ochreous, tinged with red and irrorated with black. Fore wing ochreous tinged with purplish red and irrorated with black; the costa narrowly black, with a series of ochreous specks on medial area; ante- and postmedial erect sinuous ochreous lines, the former defined externally with black, the latter internally; a black discoidal point; cilia blackish fuscous. Hind wing ochreous, the outer half suffused with purplish pink; a broad antemedial fuscous-black band, edged by slightly sinuous ochreous lines; cilia fuscous black.

♀ darker and redder.

*Hab.* SIERRA LEONE (*Clements*), 1 ♂ type; NIGERIA, Warri (*Roth*), 1 ♀. *Exp.* 20 mm.

[To be continued.]

XXVIII.—*Descriptions and Records of Bees.*—VIII.

By T. D. A. COCKERELL, University of Colorado.

*Panurginus Cressoniellus calochorti*, subsp. n.

♀.—Length about  $6\frac{1}{2}$  mm.

Black; flagellum black, with only a faint brown tinge beneath on apical half; tegulæ shining black; stigma and nervures dark fuscous; marginal cell less obliquely truncate; basal half of second abdominal segment (seen with compound microscope) lineolate all over and with stronger punctures. On account of the dark flagellum this might be taken for *P. atriceps* (*Cresson*), but the microscopical characters are quite different. In *atriceps* the clypeus is microscopically tessellate, with smaller and much sparser punctures, which





Hampson, George Francis. 1906. "XXVII.—On new Thyrididæ and Pyralidæ." *The Annals and magazine of natural history; zoology, botany, and geology* 17(98), 189–222. <https://doi.org/10.1080/00222930608562512>.

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