

## On Venezuelan Pyralidina and Microlepidoptera.

by Edward Meyrick, Marlborough.

(with Plate 13).

The type specimens of the new species are deposited in the „Deutsches Kolonial- und Übersee-Museum“ in Bremen.

### Phycitidae

*Salebria lignosella* Z. Merida 17. 7., Timotes 6. 7., La Trinidad, Maracay 1.-14. 7. Generally distributed in S. America.

*Etiella zinckenella* Tr. Timotes 6. 7. Nearly cosmopolitan in warm regions.

*Cabotia cundajensis* Zell. Timotes 6. 7. Colombia.

*Phidotricha erigens* Z. Merida 17. 7. Colombia, Peru.

### Crambidae

*Ptochostola incanella* Z. Timotes 6. 7. Colombia, Brazil.

*Crambus fissiradiellus* Walk. Timotes 6. 7. S. America, Antilles.

*Argyria lacteella* Fab. Merida 17. 7., Timotes 6. 7.

### Pyraustidae

*Argyractis aëalis* Walk. Merida 17., 29. 7. C. & S. America, Antilles.

*A. holocycla* n. sp. (Pl. 13 Fig. 11) ♂ ♀ 16-20 mm. Head, palpi, thorax light brownish-ochreous marked white. Forewings whitish, suffusedly irrorated grey or dark grey; lines distinct, white, edged on both sides dark grey, first about  $\frac{2}{5}$ , slightly angled below middle, second from costa at  $\frac{4}{5}$ , rather obliquely excurved to  $\frac{3}{4}$ , acutely angled inwards to and through oblique whitish discal mark and again reverting parallel to dorsum near tornus, subterminal straight, very near termen, not reaching tornus; spaces between second and subterminal lines and along termen ochreous-orange except on costa, a longitudinal whitish dark-edged mark above tornus: cilia light

greyish, a dark grey interrupted subbasal shade. Hindwings whitish irrorated dark grey, base suffused white; two parallel median white lines angulated below middle, space between them suffused ochreous-orange in disc, upper half of wing beyond this whitish freckled dark grey; a terminal band of four black spots ringed bright purplish-golden-metallic, preceded by an ochreous tinge; cilia whitish barred grey, a dark grey subbasal line. Merida 17.7., 3 ex.

*Argyractis hemilitha* n. sp. (Pl. 13 Fig. 12) ♂ ♀ 14-18 mm. Head, palpi, thorax light ochreous suffused grey. Forewings grey-whitish suffusedly irrorated dark grey, much less irrorated on median area; lines whitish, edged on both sides dark grey, first antemedian, slightly angulated above middle, second from costa at  $\frac{3}{4}$  obliquely outward to  $\frac{3}{4}$ , acutely angled inwards to before extremity of oblique whitish dark-edged discal mark, thence oblique to dorsum at  $\frac{3}{4}$ , subterminal straight, near termen, not reaching tornus; terminal space orange-ochreous except on costa, but space between second and subterminal lines wholly dark grey; an oblique whitish tornal mark sometimes perceptible: cilia whitish-grey, a dark grey subbasal shade. Hindwings ochreous-whitish irrorated dark grey; base suffused whitish; a rather broad white median band angulated below middle, bisected by a dark grey line; a terminal band of five purple-black spots surrounded by rings of which posterior half is bright golden metallic but anterior half light yellow edged black; cilia whitish barred grey, a dark grey subbasal shade. Merida, 2 ex., 17.7., Taken together with the preceding species, but undoubtedly distinct.

*Nymphula endoralis* Walk. La Trinidad, Maracay.

*Scybalista bifascialis* Walk. Timotes 6.7., Merida.

*S. polyorma* n. sp. (Pl. 13 Fig. 1-2) ♂ ♀ 17-19 mm. Head grey, crown mixed whitish and tinged yellowish. Palpi dark grey mixed whitish. Thorax lilac-grey. Forwings grey variably irrorated dark grey and whitish, sometimes with pale purplish gloss; a well marked projecting dorsal scaletooth at  $\frac{1}{3}$ ; lines formed of irregular black irroration, a half line almost at base, a subbasal at  $\frac{1}{4}$ , strongly angulated in middle, first line antemedian, irregular, dentate beneath costa and in middle, edged whitish anteriorly, second at  $\frac{3}{4}$ , waved-dentate throughout, ex-curved from near costa to below middle, edged white posteriorly; well marked black dots on angles of cell, lower obliquely posterior, usually some white suffusion beyond these; a terminal series of black dots, preceded

by more or less whitish suffusion; often a fascia of brown suffusion preceding first line, and another beyond second; in one example the dorsal portions of these fasciae form black blotches: cilia greyish or whitish, an indistinct grey subbasal shade. Hindwings iridescent subhyaline whitish; a terminal series of grey marks; cilia whitish. Timotes, 10 ex., 6. 7.

*Homophysa pentascia* n. sp. (Pl. 13. Fig. 10) ♂ ♀ 15-18 mm. Head, thorax ochreous-yellow, face, thorax, and tegulae edged white. Palpi orange-yellow, apex of joints and base white. Abdomen yellowish with white segmental rings edged dark grey suffusion. Forewings orange-yellow; basal area with irregular whitish marks edged grey suffusion within a similar angulated subbasal line; normal lines whitish edged or suffused dark grey, first at  $\frac{2}{5}$ , acutely angulated towards costa, second from  $\frac{2}{3}$  of costa to  $\frac{3}{4}$  of dorsum, curved-angulated in middle, between these an angulated whitish fascia densely irrorated dark grey; a similar subterminal shade, below middle interrupted and connected with termen; a terminal series of black dots, more or less edged white anteriorly, especially at apex: cilia grey-yellowish, outer half whitish grey. Hindwings yellow-grey-whitish; second line faintly grey; a dark grey terminal line; cilia light grey-yellowish, a grey subapical line sometimes developed. Timotes 6. 7., Merida 17. 7., 7 ex. Allied to *flavidalis* Hamps; varies much in the proportions of white and grey in the markings.

*Phyratocosma* n. g. Face rounded, tongue developed. Antennae  $\frac{2}{3}$ , in ♀ serrulate. Labial palpi moderately long, ascending, second joint thickened with dense rough scales, terminal joint  $\frac{1}{3}$  of second, rather stout. Maxillary palpi moderate, ascending, filiform. Hind tibiae smooth, outer middle-spur  $\frac{3}{4}$ . Forewings 2 from  $\frac{2}{3}$ , 3 from near angle, 4 and 5 approximated at base, 7 straight, separate, 8 and 9 stalked, 10 from near 9, 11 remote. Hindwings with cubital pecten; 2 from  $\frac{3}{4}$ , 3 almost from angle, 4 and 5 short-stalked, 7 out of 6 near base, anastomosing with 8 to  $\frac{1}{3}$ . Allied to *Cybolomia*.

*Phyratocosma trypheropa* n. sp. (Pl. 13 Fig. 9) ♀ 18-19 mm. Head, palpi, thorax olive-brown irregularly barred white. Forewings rather elongate-triangular, costa slightly arched near apex, termen slightly bowed, little oblique; olive-brown, sometimes speckled grey in disc; markings white, irregular; a half-line almost at base; an oblique sinuous line at  $\frac{1}{5}$ ; first line about  $\frac{2}{5}$ , double, unevenly dentate, second part forming a small spot on costa; second about  $\frac{3}{4}$ , slender, excurved from beneath costa to below middle,

preceded on costa by a whitish spot; discal spot irregular blackish, with some white marks and centred with some irregular blue-metallic marking: a black dot at apex, and two on termen beneath middle, these in spots of white suffusion tending to be connected by slight sub-terminal suffusion: cilia whitish-ochreous, basal half light brownish-ochreous. Hindwings light greyish, darker towards termen; one or two minute blackish dots on upper part of termen, and two or three on lower; cilia ochreous-grey-whitish, basal fourth grey-ochreous. Timotes 6. 7., 2 ex.

*Hymenia perspectalis* Hb. La Trinidad, Maracay 1-14. 7. Widely spread in tropical regions.

*Desmia tages* Cr. La Trinidad, Maracay, Merida 31. 7.

*Marasmia trapezalis* Gn. La Trinidad, Maracay. Throughout tropical regions.

*Syngamia florella* Cr. Merida 14.-31. 7., La Trinidad, Maracay 1.-14. 7. S. America.

*Samea ecclesialis* Gn. Merida 17. 7. La Trinidad, Maracay 19. 6. N. & S. America, Antilles.

*Conchylodes platinalis* Gn. La Trinidad, Maracay. N. & S. America.

*Phostria simialis* Gn. La Trinidad, Maracay 1.-14. 7. S. America, Antilles.

*Ph. eucharitalis* Walk. La Trinidad, Maracay. Brazil, Antilles.

*Pilocrocis lauralis* Walk. La Trinidad, Maracay 16. 6.-14. 7. S. America, Antilles.

*P. microbathra* n. sp. (Pl. 13 Fig. 3) ♂ 23-25 mm. Head, palpi, thorax grey mixed white. Anterior femora tufted above with dense rough scales and hairs. Forewings triangular, costa posteriorly gently arched, termen rather rounded, oblique; whitish; a small rounded basal patch of grey irroration and yellow suffusion; a narrow sub-costal suffused yellow stripe; a broad posterior area of faint grey suffusion occupying more than half wing on dorsal half but less than half above middle, upper edge irregular and not reaching costa; a discal antemedian spot of light grey and yellowish suffusion: cilia pale grey. Hindwings basal third white, median third suffused light grey, terminal third whitish-grey; cilia whitish. — La Trinidad, Maracay, 2 ex. 1.-14. 7.

*Sylepta pactolalis* Gn. Merida 31. 7.

*S. silicalis* Gn. Merida 14. 7. Timotes 6. 7. La Trinidad, Maracay. N. S. America.

*S. glaucalis* Hmps. Merida 14. 7., La Trinidad, Maracay. Paraguay.



- Eudioptys hyalinata* L. Merida 17. 7., Timotes 6. 7., La Trinidad, Maracay. N. & S. America, Antilles, Africa, China.
- E. translucidalis* Gn. La Trinidad, Maracay. Ecuador, Brazil.
- E. infimalis* Gn. La Trinidad, Maracay. N. America.
- E. fumosalis* Gn. Timotes 6. 7. Ecuador.
- E. nitidalis* Cr. Timotes 6. 7., La Trinidad, Maracay 1.-14. 7. N. & S. America.
- E. clavata* Hmps. Merida 17. 7. Guatemala.
- Margaronia ausonia* Cr. Timotes 6. 7. S. America, Antilles.
- M. lustralis* Gn. Merida 17. 7. S. America, Antilles.
- M. aurocostalis* Gn. La Trinidad, Maracay 1.-14. 7. S. America, Antilles.
- M. mnesigramma* n. sp. (Pl. 13 Fig. 13) ♂ ♀ 20-23 mm. Head fuscous, crown mixed yellow-whitish, edges of face white. Palpi dark fuscous, white beneath. Thorax pale yellowish, shoulders suffused fuscous. Forewings pale ochreous-yellowish; a rather narrow dark purplish-fuscous costal stripe, narrowed and suffused where it joins a broader terminal fascia suffused pale grey-yellowish on its terminal edge; small orbicular and transverse discal spots pale grey edged dark fuscous, resting on edge of costal stripe; dark fuscous median and discal dots indicating first line, and several scattered dots indicating second: cilia pale grey-yellowish. Hindwings iridescent-whitish; a narrow grey terminal fascia attenuated to near tornus; cilia whitish. Timotes 3 ex. 6. 7.
- M. sibillalis* Walk. La Trinidad, Maracay 1.-14. 7. S. America, Antilles.
- Ommatospila narcaealis* Walk. Merida 31. 7. Brazil, Antilles.
- Maruca testulalis* Hb. Merida 17. 7., Timotes 6. 7., La Trinidad, Maracay. Throughout tropical regions.
- Agathodes designalis* Gn. La Trinidad, Maracay. N. & S. America.
- Antigastra catalaunalis* Dup. Merida 17. 7. Widely spread in warm countries.
- Liopasia dorsalis* Hamps. Merida 17. 7., La Trinidad, Maracay.
- Anarmodia inflexalis* Snell. (?) Merida 14.-29. 7.
- Megastes grandalis* Gn. La Trinidad, Maracay.
- Crocidophora huronalis* Gn. Timotes 6. 7. N. & S. America.
- Psara phaeopteralis* Gn. Merida 17. 7., La Trinidad, Maracay. The common attribution of a wider range to this species is erroneous, and is due to confusion with the Indo-Malayan *otrealis* Walk.

*Ps. detritalis* Gn. La Trinidad, Maracay 1.-14. 7., Colombia, Guiana, Brazil.

*Nomophila noctuella* Schiff. Timotes 6. 7. Cosmopolitan.

*Loxostege citrodoxa* n. sp. (Pl. 13 Fig. 14) ♂ ♀ 16-17 mm. Head, thorax pale yellowish, shoulders orange-yellow. Palpi yellowish, white towards base beneath. Forewings pale yellowish; a costal streak deeper yellowish or tinged fuscous; lines fuscous-grey, not crossing costal streak, first about  $\frac{1}{3}$ , slightly curved and somewhat oblique, second at  $\frac{3}{4}$ , on vein 3 abruptly broken inwards to beneath end of cell, thence to dorsum at  $\frac{2}{3}$ ; orbicular dot-like, discal lunulate; a narrow terminal fascia, rather dilated towards costa: cilia pale yellow. Hindwings pale yellow: second line beyond middle, straight, from near costa to beneath vein 2; terminal fascia and cilia as in forewings. — La Trinidad, Maracay 5 ex., 14. 7. Nearly approaching the North American *helvialis* Walk., but the difference in second line is constant.

*Scaecocerandra* n. gen. Forehead oblique; tongue developed. Antennae  $\frac{4}{5}$ , filiform, ♂ thickened and with stalk bent beneath  $\frac{1}{3}$ , with tuft of hairs in bend beneath. Labial palpi moderately long, straight, porrect, triangularly scaled, terminal joint concealed. Maxillary palpi moderate, triangularly expanded towards apex. Hind tibia ♂ with outer middle-spur  $\frac{1}{3}$  of inner. Forewings 3-5 approximated at base, 7 straight, separate, 8 and 9 stalked, 10 closely approximated to 9 towards base. Hindwings 3-5 approximated at base, 7 out of 6 near base, anastomosing with 8 to near middle. Allied to *Oeobia*.

*Sc. suspensa* n. sp. (Pl. 13 Fig. 15-16) ♂ ♀ 20-21 mm. Head, palpi, thorax light fuscous, palpi white towards base beneath. Forewings elongate-triangular, costa gently arched towards apex, termen obliquely rounded; grey-whitish, closely irrorated dark fuscous; first line about  $\frac{1}{3}$ , very indistinct, second irregular, grey-whitish, dark-edged anteriorly, from costa about  $\frac{2}{3}$  direct to vein 2, abruptly broken inwards to beneath end of cell, thence direct to dorsum; roundish orbicular and subquadrate discal spot obscurely darker; a terminal series of dark fuscous dots or lunulate marks; cilia whitish-ochreous with interrupted grey antemedian shade and lighter postmedian line. Hindwings whitish closely irrorated grey; second line as in forewings but more obscure, indented above middle; a dark fuscous terminal line or lunulate marks; a dark grey subbasal line. Timotes 6. 7., Merida 17. 7., 13 ex.

*Phlyctaenia bicoloralis* Gn. Merida 17. 7., Timotes 6. 7. N. & S. America, Antilles.

*P. fusculalis* Hamps. Timotes 6. 7. Mexico, Peru.

*P. lenta* n. sp. (Pl. 13 Fig. 18) ♂ ♀ 18-20 mm. Head, thorax light reddish-ochreous-brown, a fine white line above eye. Palpi brown, whitish towards base beneath. Forewings light reddish-ochreous-brown irrorated fuscous; lines dark grey, first at  $\frac{1}{3}$ , very obscure, nearly straight, second from costa beyond  $\frac{2}{3}$ , waved, rather obliquely excurved to below middle, widely broken inwards to beneath end of cell, thence straight to dorsum; spots dark grey, obscure, orbicular small, discal lunulate or transverse; a terminal series of blackish-grey dots, and one on costa before apex: cilia light grey, a dark grey subbasal shade. Hindwings pale grey, sometimes speckled darker; two dark grey discal dots very obliquely placed; a terminal series of dark grey marks; cilia whitish-grey, sometimes a dark grey subbasal shade. Timotes 6. 7., Merida 17. 7., 3 ex. Allied to *ferrugalis* and *capsifera*.

*Pyrausta phoenicealis* Hb. La Trinidad, Maracay 1.-14. 7. Widely distributed in warm countries.

*P. diplothaera* n. sp. (Pl. 13 Fig. 17) ♀ 16 mm. Head yellow, face fuscous. Palpi brownish, base whitish-yellow. Thorax yellow, apical half of tegulae dark purple. Forewings deep crimson-purplish; extreme base pale yellowish; first line represented by a yellow erect mark on dorsum at  $\frac{2}{5}$ ; a rounded-transverse yellow antemedian blotch from costa reaching half across wing, expanded each way on costal edge; a similar blotch extending on costa from  $\frac{2}{3}$  to near apex, not reaching middle of wing, but giving rise to slender indistinct pale yellowish second line, curved inwards beneath vein 3 and then again suddenly bent down to dorsum at  $\frac{4}{5}$ ; a yellow terminal streak widest above middle: cilia yellow, on apex and costa dark grey, beneath tornus purplish. Hindwings crimson, suffused pale yellowish towards base; a short fine pale yellow transverse line from termen above tornus; some yellow scales before termen above middle; cilia purplish, with yellow supramedian and tornal patches. La Trinidad. Maracay 14. 7., 1 ex.

*P. claudialis* Snell. Timotes 6. 7., Merida. Antilles.

*P. signatalis* Walk. Merida 31. 7., Timotes 6. 7. N. America.

### Pyralididae

*Salobrena vacuana* Walk. Merida 31. 7. Brazil, Antilles.

*Hyperparachma butyropis* n. sp. (Pl. 13 Fig. 5) ♂ 17-18 mm. Head, thorax brownish-ochreous, face tinged purplish. Palpi nearly 2. dark purplish-grey. Hindlegs white



irrorated rosy-purplish except tips of tarsal joints. Forewings pale ochreous-yellowish suffusedly irrorated purple: costal fold and flap suffused dark purple, latter followed by a pale yellowish spot; first line from before flap, obscure, dull purplish, straight, slightly oblique; second obscure, pale, forming a slight yellowish spot on costa at  $\frac{2}{3}$ , somewhat irregular, straight, direct, obscurely purplish-edged anteriorly; an interrupted dark grey terminal line: cilia whitish-ochreous, basal half suffused light purplish: Hindwings whitish-ochreous; sometimes faint traces of greyish postmedian shade; an interrupted dark grey terminal line; cilia whitish-ochreous. Timotes 6. 7., 4 ex.

*Semnia auritalis* Hb. La Trinidad, Maracay 1.-14. 7. Brazil.

*Teucronoma* n. g. Face with large tuft of hairs; tongue developed. Antennae  $\frac{2}{3}$ , filiform, ♂ minutely ciliated. Labial palpi ♂ moderate, obliquely ascending, clothed with dense loose scales throughout, terminal joint very short, obtuse, ♀ long, straight, porrect, clothed with dense scales triangularly expanded above towards base, terminal joint about half second, cylindrical. Maxillary palpi obsolete. Legssmooth-scaled. Forewings termen concave on upper half, strongly rounded-prominent in middle: 3 from near angle, 4 and 5 connate, 7 and 8 out of 9, 10 and 11 free; ♂ with glandular swelling and hair-tufts beneath, above with ribbed hyaline bladder on basal area covered by an arched membranous chamber. Hindwings 3 from near angle, 4 and 5 connate, 6 out of 7 near base, anastomosing shortly with 8. Allied to *Casuarina*.

*Teucronoma toxocrossa* n. sp. (Pl. 13 Fig. 6-7) ♂ 16-20 mm, ♀ 19-24 mm. Head, palpi, thorax purple-brownish. Forewings dark purplish, somewhat suffused rufous towards mediodorsal and tornal areas; lines faintly paler and dark-edged but hardly traceable, first about  $\frac{2}{5}$ , somewhat oblique, slightly curved, second about  $\frac{3}{4}$ , rather excurved in disc, forming a small white spot on costa: cilia white, base purplish within a dark fuscous antemedian line, purplish patches at apex, middle of termen, and tornus. Hindwings grey, darker towards termen; cilia grey. Timotes 6. 7., 13 ex.

*Tetraschistis idioneura* n. sp. (Pl. 13 Fig. 4) ♂ ♀ 18-19 mm. Head, palpi, thorax rufous. Forewings elongate-triangular, costa slightly arched, apex obtuse, termen slightly rounded, somewhat oblique; 3 and 4 out of 5 towards base, 7 and 8 out of 9, 10 absent, 11 out of 9 near base; light reddish-ochreous speckled crimson-fuscous; some irregular blackish-grey speckling along costa; lines faintly pale more distinct on costa, edged interiorly somewhat darker



suffusion, forming indistinct dark dots on costa, first antemedian, rather excurved towards costa, second from costa beyond  $\frac{2}{3}$  to dorsum at  $\frac{3}{4}$ , nearly straight; a grey terminal line: cilia pale ochreous sprinkled crimson-fuscous. Hindwings 3 connate with stalk of 4 and 5; pale greyish-ochreous; a dark grey terminal line; cilia pale greyish-ochreous. Timotes 6. 7., Merida 17. 7. 3 ex. Notwithstanding differences in neuration, I include this in *Tetrastichis*.

*Nachaba diplagialis* Hamps. La Trinidad, Maracay. Guiana, Brazil.

*Pyrallis isidora* n. sp. (Pl. 13 Fig. 8) ♂ 18 mm. Head ochreous. Palpi dark reddish-fuscous. Antennal ciliations 2. Thorax light greyish. Forewings triangular, costa almost straight, termen slightly rounded, somewhat oblique; grey-whitish speckled dark grey; costal edge rosy-purple, between first and second line darker, with 6 or 7 yellow dots; lines fine, pale, indistinct, direct, slightly curved, forming small yellowish spots on costa, first at  $\frac{1}{3}$ , second at  $\frac{4}{5}$ ; a small transverse dark grey discal spot: cilia light yellowish, basal third dark reddish-grey. Hindwings colour and cilia as in forewings; lines faintly pale, very obscure, slightly curved, first at  $\frac{1}{3}$ , second at  $\frac{3}{5}$ . Merida 17. 7., 1 ex. Allied to *nigripuncta* Kaye.

*Stemmatophora resectalis* Led. La Trinidad, Maracay. Brazil, Argentine.

*Mapeta xanthomelas* Walk. La Trinidad, Maracay 1.-14. 7. Colombia, Antilles.

### Galleriadae

*Trachylepidia fructicassiella* Rag. La Trinidad, Maracay 10. 5.-16. 8. ex larva *Cassia fistula*, its normal food, with which it is imported, and now extending its range. India, Ceylon, S. W. Asia, Egypt, S. Africa.

### Pterophoridae

*Pterophorus pan* Barnes (?) Timotes 6. 7. N. America.

### Tortricidae

*Cacoecia gelophodes* n. sp. (Pl. 13 Fig. 22) ♂ 17-18 mm. Head, palpi, thorax whitish-ochreous somewhat mixed brownish-ochreous. Forewings suboblong, costa anteriorly moderately arched with edge narrowly rolled over from base to near middle and furnished with appressed triangular scale-tooth near base, roughened with scales about middle, then slightly sinuate and again somewhat

roughened near obtuse apex, termen straight, vertical, rounded beneath; pale ochreous, slightly sprinkled brownish and greyish; costal edge somewhat marked dark fuscous on dorsum: cilia whitish-ochreous. Hindwings and cilia ochreous-whitish. Timotes 6. 7., 2 ex.

*Tortrix capnosticha* Meyr. Timotes 6. 7. Peru.

*T. peritana* Clem. Timotes 6. 7. Throughout N. & S. America.

*Eulia urbana* Busck. Timotes 6. 7. Mexico.

*E. sclerophracta* n. sp. (Pl. 13 Fig. 19) ♀ 17-18 mm. Head white. Palpi dark fuscous, terminal joint and apex of second white. Thorax dark purplish-brown, apex of tegulae and posterior extremity white. Forewings rather elongate-triangular, costa gently arched, termen rather obliquely rounded; white, sometimes sprinkled light rosy-brownish, costal and dorsal edges variably dotted blackish; a brown basal patch occupying  $\frac{1}{4}$  of wing, edge angulated in middle; an irregular dark fuscous antemedian fascia parallel with termen, connected with basal patch by a purplish space just beneath costal edge, and broadly confluent in disc with a purple-grey and brown fascia at  $\frac{2}{3}$ , latter blackish on costa and narrowly interrupted with white above an irregular wedge-shaped black spot which forms its dorsal extremity, semioval space beneath costal edge enclosed by these fasciae purplish: cilia whitish obscurely barred greyish. Hindwings whitish-grey faintly mottled light-grey; cilia grey-whitish, a grey subbasal shade. Timotes 6. 7., 2 ex. Allied to *setosa* and *juncta*.

*E. orthoscia* n. sp. (Pl. 13 Fig. 23-24) ♂ 18 mm, ♀ 22-23 mm. Head, palpi, thorax grey-whitish. Forewings somewhat elongate, costa moderately and evenly arched, apex obtuse-pointed, termen nearly straight, oblique; grey-whitish sprinkled grey, costa and dorsum shortly strigulated or dotted dark grey; a broad fascia of slight grey suffusion, anterior edge in middle of wing, nearly straight and parallel to termen, partially marked blackish-grey in disc, posterior edge hardly defined; a few scattered blackish dots towards termen in middle: cilia grey-whitish, a grey subbasal line: Hindwings light grey strigulated darker; cilia as in forewings. Timotes 6. 7., 3 ex.

*E. moniliata* n. sp. (Pl. 13 Fig. 20) ♂ 14-15 mm. Head, thorax whitish-ochreous, a few brownish scales. Palpi whitish-ochreous irregularly mixed brownish. Forewings suboblong, costa anteriorly moderately arched, posteriorly straight, termen straight, rather oblique; whitish; markings ochreous-brown, on costa and in middle of disc spotted dark brown; basal patch extending on costa to  $\frac{1}{5}$  and



on dorsum to  $\frac{1}{3}$ , edge obtusely angulated in middle; central fascia moderate, oblique, abruptly narrowed beneath fold; costal patch large, semioval; a subquadrate blotch between this and lower part of termen; some irregular marking along upper half of termen: cilia whitish. Hindwings and cilia whitish or grey-whitish. Timotes 6. 7., 2 ex.

### Eucosmidae

*Spilonota imminens* Meyr. Timotes 6. 7.

*Crociosema compsoptila* n. sp. (Pl. 13 Fig. 21) ♂ ♀ 17-18 mm.

Head, palpi, thorax grey, thorax posteriorly sometimes tinged blackish. Forewings elongate, posteriorly dilated, costa slightly arched, apex obtuse, termen rather oblique, slightly sinuate in middle; costa ♂ folded over towards base, light rosy-ochreous beneath, above thickened with dense raised dark grey scales; grey, costal half darker and tinged purple-brownish, dorsal half lighter and tinged dull greenish; costa strigulated dark fuscous, slight paired strigulae of white speckling between these posteriorly, last pair distinctly white, preceding a small round blackish apical spot; dorsal third more or less marbled or suffused whitish, in ♀ forming a distinct median blotch of irroration preceded by dark suffusion, a spot of dark grey suffusion representing upper part of triangular praeternal blotch; ocellus enclosed by lateral silvery-whitish streaks, above it an elongate black mark not touching these but sometimes edged silvery-whitish posteriorly: cilia whitish with several irregular rows of dark grey points. Hindwings light grey, more or less thinly scaled and whitish-tinged in disc and towards base, veins and terminal edge dark grey; cubital pecten in ♂ forming a stiff erect whitish brush slightly tinged ochreous, dorsal area between them and tornus speckled blackish with a blue gloss; cilia whitish-grey, two grey lines. Timotes 6. 7. 3 ex. The largest species of this interesting and characteristic S. American genus; nearest *cosmoptila* Meyr.

*Bactra verutana* Zell. Timotes 6. 7. N. & S. America.

### Gelechiadae

*Gelechia xylobathra* n. sp. (Pl. 13 Fig. 28-30) ♂ 14-15 mm.

Head pale greyish-ochreous sprinkled grey. Palpi pale greyish-ochreous suffusedly sprinkled fuscous and dark fuscous, terminal joint as long as second. Thorax greyish-ochreous suffused rather dark fuscous. Abdomen dark grey. Forewings elongate, rather narrow, costa slightly arched, apex pointed, termen very obliquely rounded;



fuscous or brownish suffusedly irrorated dark fuscous; basal fourth forming a lighter brownish patch, more or less darkened dorsally, edge angulated in middle, followed on upper half by dark fuscous suffusion continued to beyond middle as an undefined triangular costal patch; stigmata obscure, dark fuscous, seldom traceable plical obliquely before first discal; disc posteriorly tending to be streaked longitudinally with dark suffusion; a small spot of whitish-ochreous suffusion sometimes perceptible on costa at  $\frac{3}{4}$ ; cilia light greyish-ochreous sprinkled dark fuscous. Hindwings hardly over 1, termen faintly sinuate; grey, veins obscurely suffused darker; cilia nearly 1, light grey. Timotes 6. 7., 5 ex. An obscure insect, yet not very near any other, and generally recognisable by its light basal patch.

*Gelechia elephantopis* n. sp. (Pl. 13 Fig. 27) ♀ 15-16 mm. Head pearly white, palpi ochreous-white, base blackish, terminal joint as long as second, its apical half sprinkled black. Thorax ochreous-white, sides of dorsum (including tegulae) rather dark purplish-fuscous. Forewings elongate, costa gently arched, apex pointed, termen very obliquely rounded; glossy dark purplish-grey speckled dark grey; a suffused white spot on costa at  $\frac{2}{3}$ ; cilia grey sprinkled dark grey. Hindwings somewhat over 1, termen hardly sinuate; grey; cilia light grey. Timotes 6. 7., 2 ex. Allied to the N. American *trialbimaculella* Chamb.

*Phthorimaea operculella* Zell. Timotes 6. 7. A familiar pest, generally spread in suitable climates.

*Glyphidocera abiasta* n. sp. (Pl. 13 Fig. 25) ♂ 21 mm. Head, palpi, thorax grey-ochreous irrorated grey, palpi thickened with appressed scales throughout, pointed. Antennae with subbasal notch strongly developed. Forewings very elongate, slightly dilated, costa slightly arched, apex obtuse, termen slightly oblique; 4 separate, 8 separate; greyish-ochreous irrorated grey; stigmata forming small cloudy fuscous-grey spots, plical somewhat before first discal, near or confluent with it; cilia greyish-ochreous, a grey antemedian shade. Hindwings 3 and 4 connate; light greyish; cilia as in forewings. Timotes 6. 7., 1 ex. About the largest species of the genus; allied to *salinae* Wals.

### Blastobasidae

*Blastobasis leucozyga* n. sp. (Pl. 13 Fig. 31) ♂ ♀ 14-15 mm. Head, palpi, thorax light grey, variably speckled white, palpi ♂ longer than in ♀, antennae without subbasal notch. Forewings elongate-lanceolate; grey irrorated dark grey, more or less variably sprinkled white, in ♀ only slightly;

basal area more or less suffused white, limited by an ill-defined fascia of white suffusion towards extremities, whence a discal stripe of white suffusion edged dark grey above extends to end of cell, in ♀ these white markings almost obsolete; stigmata forming small blackish-grey spots, plical obliquely before first discal, an additional spot beneath second discal; some dark grey marginal marks round apex: cilia light grey, sometimes sprinkled whitish. Hindwings grey; cilia light grey. Timotes 6. 7., 7 ex. (4 ♂♂, 3 ♀♀, certainly conspecific). Easily known by the white discal stripe joining the stigmata in the male, but the female presents little distinctive character.

### Oecophoridae

*Cryptolechia microglyptis* n. sp. (Pl. 13 Fig. 26) ♀ 19 mm. Head yellowish, sidetufts sprinkled ferruginous. Palpi whitish-yellow lined blackish. Thorax dark fuscous, closely and minutely speckled whitish. Forewings rather elongate, somewhat dilated, costa gently arched, apex obtuse, termen little oblique; 2 and 3 short stalked, 7 to apex; dark fuscous with bases of scales whitish, forming a very fine irregular transverse striolation; a hair-fine straight whitish striga from before middle of costa to beyond middle of dorsum, and an irregular one from middle of costa to  $\frac{2}{3}$  of dorsum, edged anteriorly by a dark fuscous discal mark, some other shorter scattered apparently variable fine transverse strigulae: cilia whitish, a fuscous median shade. Hindwings grey; cilia whitish-grey, a grey subbasal shade. Timotes 6. 7., 1 ex. Group of *quercicella* Chamb.

### Glyphipterygidae

*Tortyra hyalozona* Meyr. Timotes 6. 7. Mexico, Panama, Colombia, Brazil.

### Hyponomeutidae

*Atteva punctella* Cram. La Trinidad, Maracay. C. & S. America.

*Urodus merida* Strand Timotes 6. 7.

*Ethmia cypraeella* Zell. La Trinidad, Maracay 1.-14. 7.

### Tineidae

*Lindera tessellatella* Blanch. Timotes 6. 7. American, and widely introduced elsewhere.

*Tiquadra avitella* Walk. La Trinidad, Maracay 1.-14. 7. C. & S. America, Antilles.

### Explanation of plate 13.

- 1) *Scybalista polyorma* Meyr.
- 2) " " "
- 3) *Pilocrocis microbathra* Meyr.
- 4) *Tetraschistis idioneura* Meyr.
- 5) *Hyperparachma butyropis* Meyr.
- 6) *Teucronoma toxocrossa* Meyr.
- 7) " " "
- 8) *Pyralis isidora* Meyr.
- 9) *Phyratocosma trypheropa* Meyr.
- 10) *Homophysa pentascia* Meyr.
- 11) *Argyractis holocycla* Meyr.
- 12) " *hemilitha* Meyr.
- 13) *Margaronia mnesigramma* Meyr.
- 14) *Loxostege citrodoxa* Meyr.
- 15) *Scaecocerandra suspensa* Meyr.
- 16) " " "
- 17) *Pyrausta diplothaera* Meyr.
- 18) *Phlyctaenia lenta* Meyr.
- 19) *Eulia sclerophracta* Meyr.
- 20) " *moniliata* Meyr.
- 21) *Crocidosema compsoptila* Meyr.
- 22) *Cacoecia gelophodes* Meyr.
- 23) *Eulia orthoscia* Meyr.
- 24) " " "
- 25) *Glyphidocera abiasta* Meyr.
- 26) *Cryptolechia microglyptis* Meyr.
- 27) *Gelechia elephantopis* Meyr.
- 28) " *xylobathra* Meyr.
- 29) " " "
- 30) " " "
- 31) *Blastobasis leucozyga* Meyr.





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