

## Descriptions of new SpHINGIDAE in the collection of Dr. Otto Staudinger by

The Hon. Walter Rothschild.

Dr. Staudinger sent me some time ago a number of SpHINGIDAE he was unable to name, and among them I have found 16 species new to science which I describe as follows.

1. **Lophuron Umbrinum** sp. nov. Taf. V. Fig. 4. Male: forewings yellowish chocolate with a large oblique irregular wedge shaped darker patch, broadest on the costa and becoming narrower at the angle of the inner margin. This patch is bordered on each side by a narrow whitish grey line. Hindwings deep brown. Head abdomen and thorax chocolate brown. Underside: Forewings with basal two thirds and a subapical patch dark brownish grey, rest of wings orange brown. Hindwings brownish orange. Body dull orange brown. Female similar to male, but ground colour of wings deep blackish chocolate and less distinct and with a rust-red fringe. ♀ 2 inches = 51 millim. ♂ 1 $\frac{5}{8}$  inches = 40 millim. Habitat: Sierra Leone and Camaroons.

2. **Lophuron Brevipenne** sp. nov. Taf. V. Fig. 5. Forewings chocolate brown, variegated with bronze shades and crossed by several hairlike transverse lines. Hindwings dark chocolate with whitish fringes and an indistinct orange spot near the anal angle. Head and thorax chocolate. Abdomen brownish orange with a row of golden dots on each side. Underside: Forewings with basal two thirds and border on outer margin deep brown, rest of wings orange, densely freckled with dark red. Hindwings orange, densely freckled with red and crossed by two transverse lines, the inner one dark brown, the outer one red and with a dark brown border. Habitat: Camaroons. This species is peculiar for its short blunt wings.

3. **Diodosida Elegans** sp. nov. Forewings chocolate grey, crossed transversely by a number of zigzag brownish lines. Outer margin angulated and scalloped. Hindwings chestnut red with a narrow dull brown border. Margins much scalloped and fringe white. Body chocolate grey. Underside: Forewings with basal two thirds chestnut red, outer third reddish brown crossed by some hairlike zigzag brown lines. Hindwings greyish brown, crossed by a number of zigzag hairlike lines. Body greyish brown. Expanse 2 inches = 51 millim. Habitat: Sierra Leone.

4. **Goneyo Irrorata** sp. nov. Taf. VII, Fig. 3. Forewings greyish green, more ashy towards the outer margin; the costa from the base for a fourth of its length marked by 5 indistinct brown transverse streaks, while the apex of the cell and subapical region have several dark patches. From the apex to the centre of the inner margin run several zigzag hairlike oblique and transverse lines and there is a transverse submarginal row of 7 black dots, terminating in a large black patch near the angle of the inner margin. There is also a black stigma in the cell. Hindwings brownish black, crossed from the costal margin to the anal angle by a broad oblique buffy olive band. Head and thorax dull olive. Abdomen olive brown. Underside: Forewings with basal half dull grey, outer half chestnut red densely freckled with dark grey border and a transverse line also grey. Hindwings red with whitish grey border and densely freckled with dark grey. Head, thorax, and abdomen greyish white. Expanse 3 inches = 76 millim. Habitat: Chuchuras, Peru.

5 **Theretra Böttgeri** sp. nov. This species is intermediate between *T. Docilis* Butl. and *T. Drucei* Kirby. Forewings greyish rosy on cinnamon colour, crossed near the base by two double lines of a darker colour. Within the cell is a small brown stigma followed by a large dark blotch. Outer third of the wing clouded with dark brown, and a heavy oblique dark brown line runs from the apex to the centre of the inner margin. In addition the whole wings are freckled with dark dots. Hindwings dark brown with black base and crossed by a broad orange cinnamon band. Head deep chocolate, thorax cinnamon with a broad bar of chocolate bordered with white on each side. Abdomen: base chocolate brown, rest pale cinnamon. Underside rufous cinnamon with dark grey border and heavy brown freckling. Expanse 3 inches = 76 millim. Habitat: Chuchuras, Peru. A second

specimen from Sao Paulo Brazil is more shaded with olive green.

6. **Theretra Pseudonessus** sp. nov. Taf. V, Fig. 2. Forewings deep olive green with a round black stigma in the cell and crossed by five heavy oblique transverse lines. Hindwings black, crossed by a broad band of orange yellow. Head, thorax and abdomen olive with two silver grey lateral longitudinal stripes. Underside rufous orange, freckled and spotted with black. Expanse  $4\frac{1}{2}$  inches = 114 millim. Habitat: Eastern Sumatra.

7. **Philampelus Translineatus** sp. nov. Taf. VII, Fig. 2. This species is nearest to Ph. Eacus Cram. Forewings dusky greyish brown and crossed by eight hairlike zigzag transverse lines and a dark brown wider oblique bar reaching from the centre of the costa to the outer margin one fourth above the angle of the inner margin. Near the base is a small black spot, in the centre of the inner margin is a large black blotch and at the angle of the inner margin are two small black spots, one above the other. Hindwings: base black, outer third blackish grey, centre pale olive green, abdominal margin pale olive green, anal angle pinkish greyish brown with two small black dots. Head and thorax yellowish brown with a darker stripe down the centre. At the juncture of the thorax and abdomen are two large dark chocolate blotches and on each side of the third and fourth abdominal segment is a dark brown patch; rest of abdomen pale yellowish brown. Underside clay-brown with a dark streak running in from apex of forewings. Expanse 4 inches = 102 millim. Habitat: Sta. Catharina, Brazil.

8. **Daphnis Labuana** sp. nov. Taf. V, Fig. 3. This species is intermediate between D. Chaga Moore and D. Ernestina Moore, but is very singular in having many of the typical Daphnis-pattern wanting. Forewings deep violet grey, clouded with purple black and with a large irregular dark area in the centre of the wing. Apex slightly produced and hooked. Hindwings deep brown. Head pale grey with purple brown centre, thorax deep grey with purple brown sides and a white border. Abdomen pale grey. Underside deep reddish grey, marked with almost obliterated dots and lines. Expanse  $2\frac{1}{2}$  inches = 63 millim. Habitat: Labuan, Borneo.

9. **Ampelophaga Harterti** sp. nov. Forewings greenish ash-grey with a small indistinct stigma in the cell and an angulated rust-red patch one fourth from the outer margin.

Hindwings blackish brown. Head, thorax and abdomen grey. Underside rusty brownish grey with the red patch very pronounced. Expanse  $3\frac{1}{2}$  inches = 39 millim. Habitat: Margherita, Upper Assam (coll. Hartert).

10. **Ambulyx Staudingeri** sp. nov. Taf. VII, Fig. 1. Forewings reddish cinnamon brown with a slight lavender bloom, getting much darker towards the outer parts of the wing. From the apex and along the outer margin is a concave blackish submarginal line and near base of forewings a round black spot. Hindwings black, irrorated with cinnamon-red, fading into brown on the abdominal margin and yellow on the costal margin. Head cinnamon brown with chocolate centre, thorax cinnamon brown with a central brown dorsal line. Underside deep rusty reddish brown, paler towards base of wings. Expanse 6 inches = 303 millim. Habitat: Mindanao, Philippine Islands.

11. **Eurypteryx Mirabilis** sp. nov. Taf. VI, Fig. 3. This extraordinary insect is the second discovered of the genus *Eurypteryx*. *E. Molluccae* Feld., the other species, is very imperfectly known as the only known specimen, the type, is in very bad condition, in fact almost unrecognisable, and I believe the figure in the *Novara Reise* to be pure fantasy. I thought at one time the specimens I am describing below were only fine examples of *Moluccae* Feld. but the two conspicuous yellow patches near the apex of the forewings are wanting. Forewings dark chocolate brown with a double stigma in the cell of brilliant silver, about one fifth from the base and behind the cell is a large wedge shaped blotch of yellowish olive brown, traversed from the costa to the inner margin by five light and dark transverse zigzag lines. At the apex of the cell, joined to the costa, and reaching from the cell two thirds of the way to the apex of the wing is an oblong and large brownish grey patch, in front of which is a reddish dot, as also at the angle of the inner margin. Hindwings black, costal margin pale buff, anal angle much produced and brownish red; on the costa there is a large hooked projection. Body black brown variegated with a few red hairs. Female similar to male but much paler in colour. Expanse ♂  $3\frac{3}{4}$  inches = 95 millim. ♀ 4 inches = 102 millim. Habitat: ♂ Kina Balu, Borneo, ♀ Sumatra.

12. **Nephele Rectangulata** sp. nov. Forewings brownish olive with a number of darker reticulations. From the costa about the middle of the cell to the angle of the inner margin

runs a metallic silver band which joins at the angle another silvery band running submarginally from the apex of the forewing along the outer margin to the angle. Hindwings reddish chocolate, olive towards the base. Head and thorax brownish olive. Abdomen brownish olive; last segment and a row of patches on each side of abdomen black, anal tuft reddish olive. Expanse  $3\frac{1}{2}$  inches = 89 millim. Habitat: Sierra Leone.

13. **Meganoton Variegatum** sp. nov. Taf. VI, Fig. 1. This species is remarkable in having much brighter colours than the rest of the genus. Forewings black, densely and irregularly powdered with white scales, giving the wings a hoary ash grey colour with irregular black patches and streaks; a small white stigma in the cell. Lower half of base of forewings sulphur yellow. Hindwings brick red base sulphur yellow, followed by a large patch of greyish black, variegated with yellow bars, wings crossed by a row of small black spots increasing in size towards the anal angle which is occupied by a large blotch half black and half white. Body grey variegated with yellow hairs. Expanse  $4\frac{1}{2}$  inches = 114 millim. Habitat: Queensland.

14. **Euryglottis Albostigmata** sp. nov. Forewings velvety black variegated with irregular transverse bars of a paler black brown densely powdered with violet grey scales. In the cell is a fairly large round creamy white stigma. Hindwings brownish black, banded and powdered with violet grey. Head black, powdered with violet grey, thorax black, heavily variegated with reddish hairs. Abdomen black, variegated with grey and with five round orange yellow blotches on each side. Expanse 5 inches = 127 millim. Habitat. Cauca Valley (Columbia).

15. **Phlegethontius Garleppi** sp. nov.\*) Taf. V, Fig. 1. Forewings dull brown, crossed by a number of transverse lines of black lunated spots and powdered all over with pale grey spots. Near the base of the forewings are several

\*) Herr Weymer, der das von Herrn Weyding bereits abgebildete Stück sah, theilt mir mit, dass diese Art bereits von Kirby als **Protoparce Dalica** in den Transactions Entom. Society 1877, p. 243 beschrieben und in Aid to the identification of Insects by Ch. O. Waterhouse, Plate 70 abgebildet sei.

NB. Der Herr Autor, dem ich die Correctur seiner Arbeit sandte, bittet mich folgende Bemerkung hinzuzufügen: I compared it with Kirby's and it is in my opinion certainly not *P. Dalica*. W. R.

imperfect bands of white; in the cell is a white stigma encircled with a black border on to which is joined a wedge-shaped white patch extending to the costa. Apex and a large patch running into the wing white. Angle of inner margin white and grey. Fringe white and black. Hindwings deep brown, crossed by a central grey band and three black ones and powdered with grey. Body deep brown, freckled and variegated with white and with three orange yellow patches on each side. Expanse 5 inches = 127 millim. Habitat: Huayabamba, East Peru.

16. **Phlegethontius Manducoides** sp. nov. Taf. VI. Fig. 2. Forewings deep black, base, a broad band one third from the base, and a band one fourth from the outer margin pale whitish pink, these two transverse pink bands are joined near the inner margin by an irregular broad longitudinal bar of the same colour. These pale bands and streaks have several lines of black lunules in their midst and there is also a small pale stigma in the cell. Hindwings white with a very heavy wide brownish black border and two transverse blackish bands, the inner one broad, the outer narrow. Head, thorax and abdomen black, variegated with white and with three pale yellow patches on each side of the abdomen. Expanse 4 inches = 102 millim. Habitat: Chiquitos, Bolivia.

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Zeitschrift/Journal: [Deutsche Entomologische Zeitschrift "Iris"](#)

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