

X. — A NEW GENUS AND FIVE NEW SPECIES OF LYMANTRIIDAE,  
BY C. L. COLLENETTE.

By courtesy of the Director of 's Rijks Museum van Natuurlijke Historie, Leiden, I have received a number of eastern *Lymantriidae* for determination.

From among these, four species from N. Celebes and one from W. Java are hereinafter described as new.

RIDGWAY'S Color Standards and Color Nomenclature 1912 has been employed in the colour descriptions and the Comstock-Needham system for the wing neuration.

1. *Porthesia argyrochila* sp. nov.

♀. Palpus pale orange yellow. Antenna tawny olive. Head and thorax warm buff to light orange yellow. Abdomen drab above and beneath, anal tuft pale orange yellow. Pectus and legs pinkish buff, mixed on tibia and tarsus of foreleg and tibia of middle leg with light orange yellow. Forewing warm buff, grading to antimony yellow along the costa and in the terminal area; the whole wing except along the costa and in the terminal area irrorated thickly with bistre; a preterminal fascia, continued round the tornus and along the inner margin to one-half, broken at the veins, dark in some lights and giving in others a metallic silvery reflection; fringe warm buff. Hindwing drab, somewhat lighter along the termen; fringe light buff. Underside of both wings, and fringes, drab to tawny olive.

Expanse: ♀♀ 30—34 mm.

1 ♀ (holotype) and 1 ♀ (paratype) Goeroepahi, N. Celebes, July 1917, W. KAUDERN. Also, in the British Museum ex Oberthür collection, 1 ♀ taken between Maros and Tjamba, S. W. Celebes, 1896, W. DOHERTY.

In venation this species agrees with *Porthesia euproctiformis* Strand (1923), vein M 1 rising from a footstalk with R 2 to R 5. *Nygmia (Euproctis) argentimarginata* Wilem. (1921) also exhibits this venation, and as vein M 2 in the hindwing is absent, should be transferred to *Porthesia*.

2. *Euproctis embammachroa* sp. nov.

♂. Palpus, head and thorax orange buff to capucine yellow. Antennal shaft orange buff, grading to pale yellow orange towards the tip; pectinations ochraceous buff. Abdomen orange buff mixed laterally with buckthorn

brown and cinnamon brown; anal tuft orange buff. Pectus, venter and legs pale orange yellow, front of pectus antimony yellow, legs fringed with antimony yellow. Forewing orange buff, veins in the distal half of wing pale yellow orange; on the discocellulars a large rounded spot of light buff; fringe orange buff, lighter at the vein-ends. Hindwing cinnamon brown mixed with buckthorn brown, paling to antimony yellow in the terminal area; fringe antimony yellow. Underside of both wings buckthorn brown mixed with pale yellow orange, grading to pale yellow orange in the costal and terminal areas; fringe of forewing orange buff and of hindwing pale yellow orange.

Expanse: ♂♂ 42—45 mm.

1 ♂ (holotype) Goeroepahi, N. Celebes, 26. VI. 1917, W. KAUDERN;

1 ♂ (paratype) Bolang Mongondo to Motonkat, N. Celebes, 23. V. 1917, W. KAUDERN.

### 3. *Dasychira hypersceles* sp. nov.

♂. Palpus and head snuff brown. Antenna Prout's brown, mixed on the shaft with snuff brown. Thorax snuff brown to tawny olive. Abdomen pinkish buff, dorsally on the basal segments marked with bistre. Fore-leg verona brown mixed with tawny olive, the leg long, stout and heavily haired; mid and hind-leg pinkish buff, with patches of verona brown on tibia and tarsus. Pectus and venter pinkish buff. Forewing verona brown mixed with snuff brown, the latter colour predominating in the distal half of the wing; an indistinct bistre subbasal fascia; discocellulars surrounded by a conspicuous ring of bistre, ringed exteriorly with pinkish buff and broken at the veins; a bistre postmedial fascia, crenate, outwardly oblique from costa to vein R5, thence roughly parallel with the termen to the anal vein, and outwardly oblique to the inner margin; a series of faint preterminal interneural bistre spots; fringe verona brown mixed with snuff brown. Hindwing and fringe pinkish buff. Underside of forewing pinkish buff; some bistre shading above and in the cell; an indistinct bistre postmedial fascia, from costa to vein Cu 2, roughly parallel with the termen; fringe pinkish buff, marked interneurally with bistre. Underside of hindwing, and fringe, pinkish buff; a faint bistre postmedial fascia, not reaching the inner margin.

Expanse: ♂♂ 42—46 mm.

1 ♂ (holotype) Tonsea Lama, Minahassa, 23. VI. 1920; and 1 ♂ (paratype) Minahassa, N. Celebes, 1922, P. J. v. D. BERGH.

Somewhat resembles *Dasychira invaria patula* Wlkr. 1862, but considerably larger and the hindwing lighter.

4. *Dasychira brunneipicta* sp. nov.

♂. Palpus tawny olive. Antennal shaft snuff brown mixed with tawny olive, pectinations bone brown. Head, thorax and abdomen cinnamon buff to tawny olive, the tegula bistre posteriorly, and some bistre dorsal tufts on the basal segments of the abdomen. Legs, pectus and venter pinkish buff to cinnamon buff, mixed on fore and middle leg with bistre. Forewing with ground colour tawny olive; between the lower margin of the cell and the inner margin an extensive patch of bistre, its distal edge at right angles to the inner margin; a broad wood brown central band, its proximal margin passing through the origin of vein Cu 2, its distal margin formed by the postmedial fascia; a patch of ground colour on the discocellulars, ringed narrowly with bistre and bordered externally with white; a crenate bistre postmedial fascia, commencing on the costa above the discocellulars, curving round them to a point below the origin of vein Cu 1, thence bowed (concavity terminad) to the inner margin; in the apical area some prominent interneural bistre streaks; an indistinct crenate preterminal fascia; fringe bistre, tawny olive at the vein-ends. Hindwing pinkish buff, lightly shaded in the terminal area with tawny olive; fringe tawny olive. Underside of forewing tawny olive, area below the cell and vein Cu 2 pinkish buff; an inwardly oblique bistre postmedial fascia, from costa to vein M<sup>3</sup>; some indistinct bistre interneural streaks in the apical area; fringe bistre, lighter at the vein-ends. Underside of hindwing pinkish buff; traces of a postmedial fascia from costa to vein M<sup>3</sup> and of bistre interneural streaks in the apical area; fringe pinkish buff, darker towards the apex.

Expanse: ♂♂ 31—38 mm.

1 ♂ (holotype) Tonsea Lama, N. Celebes, 21. iv. 1920; 2 ♂♂ (paratypes) Minahassa, N. Celebes, P. J. v. D. BERGH. In the British Museum ex Joicey collection, 9 ♂♂ (paratypes) N. Celebes. In the Tring Museum, 1 ♂ (paratype) Goeroepahi, N. Celebes, 16. iii. 1917, W. KAUDERN, and 2 ♂♂ (paratypes) Tonsea Lama, N. Celebes, March and May 1920, P. J. v. D. BERGH.

This species has previously been placed in some collections under *Dasychira mendosa* Hbn. (1823). The genitalia of the latter, as shown in a Javanese specimen, has a short broad uncus, and the subsidiary arm of the valve is thin, curved, and about three-quarters the length of the main arm. In *Dasychira brunneipicta* the uncus is longer and much less broad, while the subsidiary arm of the valve is broader, straight, almost as long as the main arm, and with a small thorn-shaped process at its middle.

The ♂♂ in the present series show considerable variation. The width of the medial band on the forewing is not constant, and in colour may be lighter or darker than the ground colour. In some specimens the colour of the hindwing is considerably darker than in the specimen chosen as type.

#### 5. *Rhypotoses* genus nov.

♂. Proboscis absent. Palpus somewhat drooping, reaching just beyond frons, first and third segments of equal length and half the length of second segment. Eye round, about the width of frons. Antenna about half the length of costa, bipectinate, the branches at middle about one-third the length of shaft, each branch fringed with a row of short fine setae, and terminated with two bristles. Abdomen as long as hindwing. Legs moderately haired. Process on fore tibia longer than the tibia, curved at the end and bluntly pointed; mid tibia with one pair and hind tibia with two pairs of rather long spurs. Costa of forewing almost straight, termen rounded, inner margin straight, apex and tornus moderately rounded; vein Sc parallel with the costa; R 1 and R 2 arising from R 3 at one-fifth and two-fifths the distance from areole to apex; R 4 anastomosing with R 3 to form an areole of moderate length and separating from R 3 not far before the apex; R 5 arising from R 4 just before the anastomosis of R 4 with R 3; M 1 from the upper angle; M 2 from just above the lower angle; M 3 from the lower angle; Cu 1 from the same distance below M 3 as M 3 from M 2; Cu 2 from the cell at two-thirds; anal vein simple at base. Hindwing with costa slightly rounded, termen moderately rounded, inner margin almost straight, apex and anal angle rounded; vein Sc anastomosing shortly with the cell at just before one-half; Rs and M 1 on a stalk of about one-fourth; M 2 from lower angle; M 3 and Cu 1 on a short stalk from lower angle; Cu 2 from the cell at two-thirds; A 2 and A 3 straight. Frenulum present.

Type *Rhypotoses atima* Collenette, sp. nov.

Resembles *Dasychira* Steph. in many respects, but distinguished by the peculiar position of vein R 1 (vein 11 of Hampson's system) which rises beyond the areole from the stalk of R 3.

#### 6. *Rhypotoses atima* sp. nov.

♂. Palpus Prout's brown. Antennal shaft drab, pectinations sayal brown. Head Prout's brown, mixed on the frons with ochraceous buff. Thorax Brussels brown, mixed posteriorly and also on the tegula with pinkish buff. Abdomen Prout's brown, mixed on the basal segments with pinkish buff; anal tuft pinkish buff. Legs, pectus and venter pinkish buff

to tawny olive, mixed on the foreleg with Prout's brown. Forewing pinkish buff mixed with tawny olive, and with indistinct shading of Prout's brown; a rather broad antemedial fascia of Prout's brown, slightly bowed (concavity basad) from costa to inner margin; a streak of Prout's brown on the discocellulars; a postmedial fascia composed of two crenate lines of Prout's brown, roughly parallel with termen to vein Cu 2, thence oblique outwardly to the inner margin; area between postmedial fascia and termen pinkish buff mixed only lightly with tawny olive; fringe pinkish buff mixed with tawny olive. Hindwing pinkish buff irrorated with tawny olive and Prout's brown, the irroration less heavy in the terminal area; fringe pinkish buff mixed with tawny olive and Prout's brown. Underside of both wings pinkish buff irrorated with Prout's brown, the irroration decreasing gradually on each wing from base to termen; an indistinct streak of Prout's brown on the discocellulars of the forewing; fringes pinkish buff mixed sparsely with Prout's brown.

Expanse: ♂♂ 38—42 mm.

1 ♂ (holotype) Tjinjirean, Gouv. Kina-Ondern., Malabar Geb., W. Java, 1700 m., H. W. v. D. WEELE, October 1909; 1 ♂ (paratype) Mega-Mendoeng, W. Java, 1892.

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