

ON SOME LEPIDOPTERA FROM THE RIOUW-ARCHIPELAGO

by

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Dr. K. W. DAMMERMAN, Director of the Zoological Museum at Buitenzorg, Java, has collected in the months June and November 1923 at Doerian, Riouw Arch., some Lepidoptera, of which here is following a list with some remarks.

RHOPALOCERA.

PAPILIONIDAE.

1. *Papilio iswara riouwensis* subsp.nov. On the upperside of the hind wing the two red anal spots with large black centres very well developed. On the underside these anal more orange-red spots larger and the centres smaller with a trace of a third orange-red spot. The blue and bluish green dusty lunules between the red anal spots and the large white discal ones very distinct and paired. On the underside of fore wing the postmedial band of grayish rows very distinct. ♀ Type Mus. Leiden. *P. iswara* also is represented on Billiton.

2. *Papilio memnon agenor* L. One female specimen intermediate between *esperis* BUTL. and *erebinus* HAASE, on the upperside of hind wing without any trace of the anal spot.

3. *Papilio polytes theseus* CRAM. 1 ♂. A large series of this species has been collected by VAN HASSELT on the Riouw-Lingga islands.

4. *Papilio doson evemonides* HONR. ♂ and ♀.

5. *Papilio agamemnon agamemnon* L. 1 ♂.

PIERIDAE.

1. *Terias hecabe locana* FRUHST. 2 ♂♂ and 1 ♀. One male with a wing-expansion of 32 mM.

2. *Catopsilia pyranthe pyranthe* L. 1 ♀. Very common on the Riouw-Lingga and Natoena islands. Mr. A. L. VAN HASSELT has collected a large series of this species in 1895.

DANAIDAE.

1. *Danais melanippus hegesippus* CRAM. 1 ♂. Resembles very much *indicus* FRUHST.

2. *Danais similis vulgaris* BUTL. 1 ♂.

3. *Hestia leuconoë chersonesia* FRUHST. 1 ♀.

4. *Euploea corus phoebus* BUTL. 1 ♀. Already known from Banka, not yet from Riouw. The Banka form has been named *hesiodus* FRUHST.

5. *Euploea aegyptus sophia* MOORE. 4 ♂♂ and 3 ♀♀. Very much resembling *tricolora* FRUHST. and not *dimidius* v. E. from Billiton. Already captured by VAN HASSELT on Riouw.

6. *Euploea mulciber vandeventeri* FORBES. 2 ♂♂ and 1 ♀. Already known from Riouw, Banka and Billiton.

SATYRIDAE.

1. *Ypthima baldus selinuntius* FRUHST. 1♀. Billiton, Natoena- and Riouw Lingga islands, Borneo.

2. *Mycalesis fuscum fuscum* FELD. 3 ♂♂. Banka, Billiton, Riouw-Lingga.

3. *Orsotriaena medus* F.f. *zipoetina* FRUHST. 1 ♂.

4. *Elymnias nigrescens beatrice* FRUHST. 1 ♂.

NYMPHALIDAE.

1. *Cethosia hypsea aeole* MOORE. 1 ♀. On Banka is living a smaller race, *bankana* FRUHST.

2. *Pantoporia asura battakana* FRUHST. 1 ♂. Intermediate between *battakana* FRUHST. from N. Sumatra and *pusilla* FRUHST. from Banka.

3. *Pantoporia nefte subratina* FRUHST. 1 ♀. Also on Banka.

4. *Pandita sinope sinope* MOORE. 2 ♂♂. Not common; unknown from Riouw? Banka, Billiton.

5. *Rahinda hordonia senthes* FRUHST. 1 ♂. More resembling *aigilipa* FRUHST. from Nias!

6. *Rahinda paraka paraka* BUTL. 2 ♂♂. One with a wingexpansion of 32 mm. Banka.

7. *Neptis heliodore siaka* MOORE. 1 ♂. Banka.

8. ***Euthalia alpheda dammermani*** subsp.nov. ♂ and ♀. The male very dark with very faint traces of the whitish transcellular and subapical lines, resembling more *jama* from Br. India. On the underside of fore wing the post-medial brown band very dark and prominent. The female with large whitish discal patches on the fore wings and with a complete series of arrow-shaped white and dark brown submarginal spots on the hind wings. On the underside the submarginal arrowshaped spots very dark and well developed. This species was already known from Banka (*bankana* FRUHST.) but not yet from Billiton and Riouw.

HESPERIIDAE.

1. *Tagiades gana perakana* FRUHST. 1 ♂. A couple from Billiton is also in the collection of the Leyden Museum. Both localities seem to be new for *gana* MOORE.

2. *Telicota bambusae pythias* MAB. 1 ♂. A second specimen in the Leyden Museum.

3. *Padraona dara moesoides* BUTL. 1 ♂. Not yet known from Riouw?
4. *Parnara contigua* MAB. 1 ♂.
5. *Parnara mathias mencia* LEECH. 1 ♂.
6. *Notocrypta alysos devadatta* FRUHST. 1 ♂.
7. *Hidari irava* MOORE. 1 ♀.

HETEROCERA.

SYNTOMIDAE.

1. *Syntomis huebneri* BSD. 1 ♂. Uncertain, perhaps a new species. Hind wing with only one very small hyaline spot between veins 2 and 5 and fore wing missing the small spot above vein 7 (*frustulenta* SWINH.).

ARCTIIDAE.

Lithosiinae.

1. *Asura lutaroides* v. E. 2 ♀♀. Smaller than the specimens from Sumatra.
2. *Chionaema javanica* BUTL. 2 ♂♂.
3. *Ilema decreta* BUTL. 1 ♂.
4. *Bitecta murina* HEYL. 1 ♂.

NYCTEMERIDAE.

1. *Nyctemera baulus* BSD. 1 ♀.

LYMANTRIIDAE.

1. *Dasychira albiplaga* SWINH. 1 ♂.
2. *Leucoma egens* FELD. 1 ♀.
3. *Leucoma divisa* WALK. 1 ♂.
4. *Porthesia bicolor* HEYL. 1 ♀.
5. *Euproctis bimaculata* MOORE. 1 ♂.
6. *Euproctis isabellina* HEYL. 1 ♀.
7. *Euproctis alboscripta* v. E. 1 ♂. Uncertain; a very small specimen.
8. *Euproctis albescens* SWINH. 1 ♀.
9. *Euproctis funeralis* SWINH. 1 ♂.
10. *Euproctis fumosa* SNELL. 1 ♂.
11. *Euproctis micronides* v. E. 1 ♀. Smaller than the type and with a third small black-brown spot in the anal coin of fore wing. Perhaps another species.

LIMACODIDAE.

1. *Setoria simplex* SNELL. 3 ♂♂.
2. *Scopelodes unicolor* WESTW. 1 ♂.

DREPANULIDAE.

1. *Oreta carnea* BUTL. 1 ♂.

THYRIDIDAE.

1. *Striglina strigosa* MOORE. 1 ♂.
2. *Striglina decussata* MOORE. 1 ♂.
3. *Rhodoneura myrtea* DRURY. 1 ♂.

SPHINGIDAE.

1. *Angonyx testacea* WALK. 1 ♂.

NOCTUIDAE.

Acronyctinae.

1. *Ancara obliterans* WALK. 8 ♂♂.
2. *Ancara replicans* WALK. 1 ♂.
3. *Elydna reclusa* WALK. 1 ♂.

Erastrianae.

1. *Flammona quadrifascia* WALK. 2 ♂♂ and 2 ♀♀.
2. *Corgatha aequa* WALK. 1 ♂ (Sec. Miss PROUT).

Eutelianae.

1. *Anuga constricta* GUEN. 2 ♂♂.

Stictopterinae.

1. *Stictoptera describens* WALK. 1 ♂ and 2 ♀♀.
2. *Stictoptera signifera* WALK. 1 ♂ (Sec. Miss PROUT).

Sarrothripinae.

1. *Risoba diversipennis* WALK. 1 ♂.

Acontianae.

1. *Earias flavida* FELD. 1 ♂ and 1 ♀.
2. *Nertobriga signata* WALK. 1 ♂.
3. *Ptyonota formosa* HAMPS. 1 ♂.
4. *Carea vexilla* SWINH. 2 ♂♂.
5. *Carea holophaea* HAMPS. 1 ♀.
6. *Negeta contrariata* WALK. 1 ♀ (Sec. Miss PROUT).

Catocalinae.

1. *Euclidisema mygdon* CRAM. 5 ♂♂.
2. *Mocis frugalis* F. 1 ♂.

Mominae.

1. *Trisuloides opala* PAG. 1 ♀.

Noctuinae.

1. *Ophiusa onelia* GUEN. 2 ♂♂.
- 2: *Ophideres fullonica* L. 1 ♂ and 2 ♀♀.
3. *Felinia spissa* GUEN. 1 ♂ and 1 ♀.
4. *Hulodes caranea* CRAM. 2 ♂♂.
5. *Tathorynchus vinctale* WALK. 1 ♀.
6. *Rivula* spec. 1 ♂ and 1 ♀.
7. *Loxioda dilutalis* SNELL. 1 ♀ (Sec. Miss PROUT).

Hyblaeinae.

1. *Hyblaea puera* CRAM. 1 ♂.

Hypeninae (named by Miss PROUT).

1. *Bertula moloalis* WALK. 2 ♂♂ and 1 ♀.
2. *Bertula tespisalis* WALK. 1 ♀.
3. *Bertula nigra* SWINH. 1 ♂.
4. *Hydrillodes lentalis* GUEN. ?-1 ♀.
5. *Nodaria externalis* GUEN. 1 ♂.
6. *Poeta quadrinotata* WALK. 1 ♂.
7. ? ? ?.
8. *Progonia patronalis* WALK. 1 ♂.
9. *Simplicia spurialis* SNELL. 1 ♀.

MICRONIDAE.

1. *Urapteroides astheniata* GUEN. 3 ♂♂ and 4 ♀♀.

GEOMETRIDAE.

Hemitheinae.

1. *Dysphania bellonaria* GUEN. 2 ♂♂ and 1 ♀, resembling the specimens from Nias.
2. *Uliocnemis partita* WALK. 2 ♂♂.
3. *Comostola iodoides* LUC. 2 ♀♀ (det. L. B. PROUT).
4. *Chloromachia divapala albisparsa* WALK. 2 ♂♂ (det. L. B. PROUT).

Sterrhinae.

1. *Sterrha phaeocrossa* PROUT. 4 ♂♂ (det. L. B. PROUT).

Boarmiinae.

1. *Plutodes cyclaria* GUEN. 1 ♂.
2. *Nadagara comprehensata* WALK. 2 ♂♂ (?!).
3. *Zamarada translucida* MOORE. 2 ♂♂ and 2 ♀♀.
4. *Zamarada cosmia* SWINH. 1 ♂.

5. *Orsonoba clelia* CRAM. 1 ♀.
6. *Crocopteryx martiata* GUEN. 1 ♂.
7. *Boarmia acaciaria* BOISD. 1 ♀.
8. *Boarmia inflexaria* SNELL. 2 ♂♂.
9. *Boarmia imbecilis* MOORE. 2 ♂♂.
10. *Boarmia concentraria* SNELL. 1 ♀.
11. *Boarmia* spec.? 1 ♂.
12. *Boarmia pilotaria* SNELL. 1 ♂ and 1 ♀.
13. *Boarmia* spec.? 1 ♂ and 1 ♀.
14. *Boarmia subrugata* WALK. 1 ♂ and 1 ♀ (det. L. B. PROUT).
15. *Tasta sectinota* HAMPS. 1 ♀ (det. L. B. PROUT).
16. *Peratophyga trigonata* WALK. 2 ♀♀ (det. L. B. PROUT).
17. *Ptochophyle dilucida* WARR. 1 ♀ (det. L. B. PROUT).

PYRALIDAE.

Galleriinae.

Three specimens, belonging to two species.

Crambinae.

1. *Culladia admigratella* WALK. 1 ♂.
2. *Ancylolomia chrysographella* KOLL. 1 ♀.
3. *Schoenobius bipunctifer* WALK. 1 ♂.
4. *Cirrochrista fumipalpis* FELD. & ROG. 1 ♀.

Phycitinae.

1. *Nephoptyx* spec.

Epipaschiinae.

1. *Orthaga euadrusalis* MOORE. 2 ♂♂, 1 ♀.
2. *Macalla* (*Epipaschia* spec., near to *validalis* WALK.) 5 ♂♂, 1 ♀.
3. *Stericta* (*Craneophora* spec. near to *haraldusalis* WALK.) 1 ♀.

Chrysauginae.

1. *Endotricha albicilia* HAMPS. 1 ♀.
2. *Endotricha decessalis* WALK. 1 ♀.
3. *Endotricha sondaicalis* SNELL. 1 ♂, 2 ♀♀.

Pyralinae.

1. *Herculia hampsonialis* SNELL. 5 ex.

Hydrocampinae.

1. *Hymenoptychis sordida* ZELL. 9 ♂♂ ♀♀.
2. *Stenia spodinopa* MEYR. 1 ♀.
3. *Aetholix flavibasalis* GUEN. 1 ♂, 2 ♀♀.
4. *Agrotera amathealis* WALK. 1.

Pyraustinae.

1. *Phryganodes analis* SNELL. 1 ♂.
2. *Hoplisa sorialis* SNELL. 1 ♂.
3. *Botys vulgaris* GUEN. 1 ♀.
4. *Sylepta multilinealis* GUEN. 1.
5. *Mabra vagalis* SNELL. 2.
6. *Chloauges glauculalis* GUEN. 2.
7. *Glyphodes hilaralis* WALK. 1.
8. *Glyphodes bivitraris* GUEN. 1.
9. *Dausara talliusalis* HAMPS. 1.
10. *Pyrausta taenialis* SNELL. 4.
11. *Nosophora conjunctalis* WALK. 1 ♂.
12. *Nosophora chironalis* WALK. 1 ♂.

HYPONOMEUTIDAE.

1. *Atteva brucea* MOORE. 2 ♀♀.

XYLORYCTIDAE.

1. *Athrypsiastis symmetra* MEYR. 1 ♂.