

BEAUFORTIA

SERIES OF MISCELLANEOUS PUBLICATIONS

ZOOLOGICAL MUSEUM - AMSTERDAM

No. 142

Volume 11

Dec. 17, 1964

Dedicated to Mrs. W.S.S. van Benthem Jutting

New forms of Lepidoptera from The Netherlands

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Since the publication of the first ten supplements of the Catalogue of the Netherlands' Macrolepidoptera a number of new forms have been discovered among the species treated there. Some of them will be dealt within this article.

Sphinx ligustri L., f. *cingulata* nov. Upper side of the abdomen with uninterrupted black rings; the black lateral bands are lengthened so as to meet one another in the middle of the back.

Holotype: ♂, Heemskerk (Noord-Holland prov.), 5.VI.1959, W. J. Boer Leffef leg., collection Zoological Museum Amsterdam.

The form is probably not very rare. The museum collection contains another ♂ from the same locality and date. A third ♂ was taken at Harderwijk (Gelderland prov.) by A. van Beek in 1960.

Hyloicus pinastri L., f. *cingulata* nov. Upper side of the abdomen with uninterrupted black rings; the same kind of variation as in the preceding species.

Holotype: Apeldoorn (Gelderland prov.), ♀, 7.VII.1959, W. J. Boer Leffef leg., collection Zoological Museum Amsterdam.

Harpyia bicuspis Borkhausen, f. *reducta* nov. Upper side fore wings: the upper half of the dark central band is absent.

Holotype: ♂, Vlodrop, near the German frontier custom-house of Rotenbach (Limburg prov.), 13.VIII.1959, A. W. P. Maassen leg.

Harpyia furcula Clerck, f. *aurata* nov. Upper side of the thorax and central band and apical blotch of the fore wings beautifully marked with orange.

Holotype: ♂, 11.V.1960, Bussum (Noord-Holland prov.), C. H. ter Laag leg. A second specimen, from Heemskerk, is in the collection of B. van Aartsen.

Stauropus fagi L., f. *concolor* nov. Body, fore wings and hind wings uni-

coloured dark greyish, of the same shade as the dark parts of normally coloured specimens. Light markings almost completely obliterated.

Holotype: ♂, Gronsveld (Limburg prov.), 7.VI.1959, W. J. Boer Leffef leg., collection Zoological Museum Amsterdam.

The museum collection contains five more males of this form from the same locality.

Drymonia chaonia Hübner, f. *nigrescens* nov. Fore wings unicoloured blackish, transverse lines and discal stripe visible.

Holotype: ♀, without date, Roermond (Limburg prov.), C. J. H. Franssen leg., collection Natural History Museum Maastricht.

Odontosia carmelita Esper, f. *nigrescens* nov. Body, fore and hind wings blackish; the pale costal spot of the fore wings sharply contrasting.

Holotype: ♂, Vijlen (Limburg prov.), 22.IV.1960, J. Lukkien leg.

Clostera pigra Hufnagel, f. *obscura* nov. Very dark. Ground colour of body, fore wings and hind wings dark purplish grey, the rust-brown apical spot of the fore wings strongly contrasting.

Holotype: ♂, 1.VII.1959, Stein (Limburg prov.), in the collection of the Mission House of this village.

Clostera pigra Hufnagel, f. *brunneoapicata* nov. Ground colour normal; apical spot of the fore wings clear brown, sharply contrasting.

Holotype: ♂, Haamstede (Zeeland prov.), IX.1962, W. J. Boer Leffef leg., collection Zoological Museum Amsterdam.

Poecilocampa populi L., f. *pallida* nov. Body paler; ground colour of fore and hind wings pale grey; basal spot of the fore wings pale brown.

Holotype: ♀, Vogelenzang (Noord-Holland prov.), 12.X.1960, J. Lourens leg.

Malacosoma neustria L., f. ♀ *castrensioides* nov. Ground colour of the wings dark reddish-brown; transverse lines of the fore wings hardly developed.

Holotype: ♀, Zoutelande, Island of Walcheren (Zeeland prov.), 4.IX.-1962, e. 1., B. van Aartsen leg.

The form is exteriorly indistinguishable from the dark female of *Malacosoma castrensis* L. If taken in a locality where both species occur, it would certainly pass as a female of the latter species. A second specimen was taken at Oostvoorne, 22.VIII.1961, by J. van der Made. The occurrence of *M. castrensis* in this locality seemed improbable, but final proof was obtained through the specimen bred by Mr. van Aartsen, which showed that it belonged really to *M. neustria*.

Drepana curvatula Borkhausen, f. *juncta* nov. The two discal spots on the upper side of the fore wings are connected.

Holotype: ♂, Woerdense Verlaat (Zuid-Holland prov.), 8.VIII.1960, B. J. Lempke leg., collection Zoological Museum Amsterdam.

Achlya flavicornis L., f. *simplex* nov. Upper side fore wings: the central area on both sides bordered by a single line.

Holotype: ♂, Apeldoorn (Gelderland prov.), 26.III.1958, W. J. Boer Leffef leg., collection Zoological Museum Amsterdam.

Mitochrista miniata Forster, f. *dentatelineata* nov. Upper side fore wings: the outermost rounded curves of the postmedian line changed into sharp teeth.

Holotype: ♂, Oostvoorne (Zuid-Holland prov.), 26.VII.1960, J. van der Made leg.

Cybosia mesomella L., f. *flavobscura* nov. Ground colour of the fore wings greyish yellow.

Holotype: ♂, Burgh (Zeeland prov.), 7-20.VI.1962, W. J. Boer Leffef leg., collection Zoological Museum Amsterdam.

C. mesomella L., f. *postpallida* nov. Hind wings of the same pale colour as the fore wings.

Holotype: ♂, Grollo (Drente prov.), VII.1960, W. J. Boer Leffef leg., collection Zoological Museum Amsterdam.

C. mesomella L., f. *postnigrescens* nov. Hind wings blackish with yellow fringe.

Holotype: ♂, Wiessel (Gelderland prov.), 18.VI.1954, W. J. Boer Leffef leg., collection Zoological Museum Amsterdam.

The holotype has white fore wings, but this same form also occurs in the form with yellow fore wings (f. *flava* de Graaf): ♂, Apeldoorn (Gelderland prov.), 8.VII.1954 (same collector and collection).

Lithosia complana L., f. *flava* nov. Ground colour of the fore wings yellow, with only a touch of grey, so that the broad yellow costal stripe is still visible; the hind wings are of the same pale yellow shade as this stripe.

Holotype: ♂, Ruurlo (Gelderland prov.), 15.VII.1962, J. Lukkien leg.

Pelosia muscerda Hufnagel, f. *obscura* nov. Fore wings black-grey, markings distinctly visible; hind wings dark grey.

Holotype: ♂, Helenaveen (Noord-Brabant prov.), 10.VII.1962, W. J. Boer Leffef leg., collection Zoological Museum Amsterdam.

Phragmatobia fuliginosa L., f. *pura* nov. Upper side of the abdomen without black spots.

Holotype: ♂, Zaandam (Noord-Holland prov.), 27.VII.1955, P. Aukema leg.

Arctia caja L., f. *albociliata* nov. Fringe of the hind wings pure white.

Holotype: ♂, Wormerveer (Noord-Holland prov.), 23.VII.1962, J. Huisenga leg.

Tyria jacobaeae L., f. *tenuistriata* nov. The red subcostal stripe on the upper side of the fore wings is much narrowed, the two red spots are also smaller than usual.

Holotype: ♂, Burgh (Zeeland prov.), 12.VI.1962, W. J. Boer Leffef leg., collection Zoological Museum Amsterdam.

T. jacobaeae L., f. *ornata* nov. The red subcostal stripe on the upper side of the fore wings is bordered on its under side by a very narrow whitish line.

Holotype: ♂, Burgh (Zeeland prov.), 12.VI.1962, W. J. Boer Leffef leg., collection Zoological Museum Amsterdam.

Scotia exclamationis L., f. *postmarginata* nov. Hind wings whitish with

rather large dark marginal band, which is distinctly separate from the pale ground colour.

Holotype: ♂, Rotterdam, 15.VI.1935, collection Natural History Museum Rotterdam.

Scotia exclamationis L., f. *subobsoleta* nov. Upper side fore wings: the orbicular, reniform and transverse lines obsolete, the claviform, however, very distinct.

Holotype: ♂, Burgh (Zeeland prov.), VII.1962, W. J. Boer Leffel leg., collection Zoological Museum Amsterdam.

Graphiphora augur Fabricius, f. *marginata* nov. Upper side fore wings: the area between the submarginal and the fringe pale brownish, sharply contrasting with the normal dark ground colour.

Holotype: ♂, Oostkapelle (Zeeland prov.), 1.VII.1963, B. van Aartsen leg.

Diarsia mendica Fabricius, f. *marginata* nov. Upper side fore wings: the area between the submarginal and the fringe pale reddish, sharply contrasting with the reddish ground colour.

Holotype: ♂, Oostkapelle (Zeeland prov.), 1.VII.1963, B. van Aartsen leg.

The same form of variation may of course also occur with other shades of ground colour.

Diarsia mendica Fabricius, f. *reducta* nov. Upper side fore wings: All markings are present, but for the submarginal line, which fails completely.

Holotype: ♂, Amsterdamse Bos (Noord-Holland prov.), 20.VI.1961, J. Lourens leg.

The holotype has unicoloured yellow fore wings, but the same kind of variation may also occur in animals with another ground colour. The form is very striking owing to the broad uniform area between postdiscal line and outer border.

Amathes triangulum Hufnagel, f. *brevipennis* nov. Fore and hind wings much shortened.

Holotype: ♂, Heemskerk (Noord-Holland prov.), 22.VI.1963, B. van Aartsen leg.

The holotype at the same time shows the characteristics of f. *unimaculata* Chalmers-Hunt (1961, Entomologist, **94**, p. 281, plate VIII, fig. 10), in which the black discal markings are reduced to a small black spot between orbicular and reniform.

Naenia typica L., f. *signata* nov. The submarginal line on the upper side of the fore wing is on its inner side bordered by a black line.

Holotype: ♀, Wormerveer (Noord-Holland prov.), 14.VII.1962, J. Huisenga leg.

Cerastis rubricosa Schiff., f. *juncta* nov. Orbicular and reniform touch each other.

Holotype: ♂, Heemskerk (Noord-Holland prov.), 9.IV.1963, B. van Aartsen leg.

Mamestra splendens Hübner, f. *obscura* nov. Ground colour of the fore wings much darkened, dark red-brown.

Holotype: ♂, Nijetrijne (Friesland prov.), 18.VI.1963, W. J. Boer Leffef leg.

The species is very stable in colour and pattern. This is the first specimen among the Dutch material, which justifies distinguishing it as a separate form.

Orthosia incerta Hufnagel, f. *bicolor* nov. Fore wings: basal half (up to the central shade) pale grey; outer half reddish-grey. Both colours are separated by the strongly developed central shade.

Holotype: ♂, Geijsteren (Limburg prov.), 11.IV.1964, H. C. C. Neijts leg.

Mythimna albipuncta Schiff., f. *guttata* nov. The white discal spot on the upper side of the fore wings lengthened in the direction of the base.

Holotype: ♀, Deurne (Noord-Brabant prov.), 11.VIII.1956, C. Nies leg.