

Redesignation of types of six species, described from the PIF expedition to Lake Habbema in 2018 (Lepidoptera)

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Abstract: 31 type specimens of six Lepidoptera species are being redesignated from RMNH to KSP collection: *Spilosoma renateae* De Vos, 2020 (Erebidae, Arctiinae), *Oeonosia lorentz* De Vos, 2020 (Erebidae, Arctiinae), *Cyana (Cryptanaema) habbema* De Vos, 2020 (Erebidae, Arctiinae), *Thyatira papuana* Ronkay et al, 2021 (Drepanidae, Thyatirinae), *Blavipelosia habbemaensis* De Vos, 2022 (Erebidae, Arctiinae) and *Agrotis (Papuagrotis) habbema* Vink & Zilli, 2022 (Noctuidae, Noctuinae). A complete list of the specimens, species, types and references is presented.

Rangkuman: 31 type spesimen dari enam spesies Lepidoptera ditunjuk kembali dari koleksi RMNH ke KSP yaitu: *Spilosoma renateae* De Vos, 2020 (Erebidae, Arctiinae), *Oeonosia lorentz* De Vos, 2020 (Erebidae, Arctiinae), *Cyana (Cryptanaema) habbema* De Vos, 2020 (Erebidae, Arctiinae), *Thyatira papuana* Ronkay et al, 2021 (Drepanidae, Thyatirinae), *Blavipelosia habbemaensis* De Vos, 2022 (Erebidae, Arctiinae) dan *Agrotis (Papuagrotis) habbema* Vink & Zilli, 2022 (Noctuidae, Noctuinae). Disertai daftar lengkap spesimen, spesies, type, dan referensinya.

Keywords: Renumbering, RMNH.INS, KSP-PIF, Papua, New Guinea

Introduction

In 2018 members of the Papua Insects Foundation visited the Baliem Valley and adjacent areas. One of the most interesting of these areas is Lake Habbema, at an altitude of about 3300 meters. The flora and fauna at this high altitude are very different from it at lower elevations. It is above the tropical tree zone and is dominated by tree ferns, Rhododendron, orchids and extensive grasslands. It is because of these extraordinary flora and habitat that many endemic species occur, and regularly new species are being found.

In 2018 some interesting endemic and also new species of moths were found near Lake Habbema, of which six species were recently described (De Vos, 2020; 2022; Ronkay et al., 2021; Vink & Zilli, 2022).

Necessary redesignation

The type material was designated to two institutions: Koleksi Serangga Papua (KSP), Universitas Cenderawasih (UNCEN), Waena, Papua, Indonesia, and the collection of Naturalis Biodiversity Center (RMNH), Leiden, The Netherlands.

According to new regulations in Indonesia, concerning research, collecting and property, the collected material from the 2018 expedition should be designated to Indonesian

institutions. The type material which was described by De Vos (2020; 2022), Ronkay et al. (2021) and Vink & Zilli (2022), and numbered with prefix RMNH.INS (Naturalis Biodiversity Center), will therefore be renumbered (table 1) with the prefix KSP-PIF (on a green label) and herewith redesignated to the Koleksi Serangga Papua, Universitas Cenderawasih, Waena, Papua, Indonesia. The PIF part in this prefix indicates that the material has been collected and studied by the Papua Insect Foundation, other than the prefix with just “KSP” (on a blue label), which indicates that this originates from the original KSP-collection (former collection of the late Br. Henk van Mastrigt).

The species concerned are: *Spilosoma renateae* De Vos, 2020 (Erebidae, Arctiinae) (fig. 1), *Oeonosia lorentz* De Vos, 2020 (Erebidae, Arctiinae) (fig. 2), *Cyana (Cryptanaema) habbema* De Vos, 2020 (Erebidae, Arctiinae) (fig. 3), *Thyatira papuana* Ronkay et al, 2021 (Drepanidae, Thyatirinae) (fig. 4), *Blavipelosia habbemaensis* De Vos, 2022 (Erebidae, Arctiinae) (figs 5 & 6) and *Agrotis (Papuagrotis) habbema* Vink & Zilli, 2022 (Noctuidae, Noctuinae) (figs 7 & 8).

Abbreviations:

KSP - prefix of Koleksi Serangga Papua, Universitas Cenderawasih, Waena, Papua, Indonesia
KSP-PIF - prefix of Koleksi Serangga Papua, but collected and studied by the Papua Insects Foundation
RMNH.INS - prefix of collection of Naturalis Biodiversity Center, Leiden, The Netherlands
UNCEN - Universitas Cenderawasih, Waena, Papua, Indonesia

References

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- Vink, L., R. de Vos, S. Sinnema, J. Sinnema-Bloemen & A. Zilli, 2022. A new subgenus with three new species of *Agrotis* from New Guinea (Lepidoptera: Noctuidae). *Fragmenta entomologica* 54(2): 207-216.

Table 1. Renumbered and redesignated type specimens of species collected in 2018 at Lake Habbema, Papua, Indonesia.

Family	Subfamily	Tribe	Genus	species	Author	Year	type	previous number: RMNH.INS.	new number: KSP-PIF
Erebidae	Arctiinae	Arctiini	Spilosoma	renateae	De Vos	2020	paratype	1108409	90109
Erebidae	Arctiinae	Arctiini	Spilosoma	renateae	De Vos	2020	paratype	1108643	90110
Erebidae	Arctiinae	Arctiini	Spilosoma	renateae	De Vos	2020	paratype	1255916	90111
Erebidae	Arctiinae	Arctiini	Spilosoma	renateae	De Vos	2020	paratype	1255917	90112
Erebidae	Arctiinae	Arctiini	Spilosoma	renateae	De Vos	2020	paratype	1255918	90113
Erebidae	Arctiinae	Arctiini	Spilosoma	renateae	De Vos	2020	paratype	1255919	90114
Erebidae	Arctiinae	Lithosiini	Oeonosia	lorentz	De Vos	2020	holotype	1108644	90115
Erebidae	Arctiinae	Lithosiini	Oeonosia	lorentz	De Vos	2020	paratype	1108645	90116
Erebidae	Arctiinae	Lithosiini	Cyana (Cryptanaema)	habbema	De Vos	2020	paratype	1108649	90117
Drepanidae	Thyatirinae		Thyatira	papuana	Ronkay et al.	2021	holotype	1108704	90118
Drepanidae	Thyatirinae		Thyatira	papuana	Ronkay et al.	2021	paratype	1108702	90119
Drepanidae	Thyatirinae		Thyatira	papuana	Ronkay et al.	2021	paratype	1108705	90120
Erebidae	Arctiinae	Lithosiini	Blavipelosia	habbemaensis	De Vos	2022	holotype	1108650	90121
Erebidae	Arctiinae	Lithosiini	Blavipelosia	habbemaensis	De Vos	2022	paratype	1108651	90122
Noctuidae	Noctuinae		Agrotis (Papuagrotis)	habbema	Vink & Zilli	2022	paratype	1108740	90123
Noctuidae	Noctuinae		Agrotis (Papuagrotis)	habbema	Vink & Zilli	2022	paratype	1108741	90124
Noctuidae	Noctuinae		Agrotis (Papuagrotis)	habbema	Vink & Zilli	2022	paratype	1108742	90125
Noctuidae	Noctuinae		Agrotis (Papuagrotis)	habbema	Vink & Zilli	2022	paratype	1108743	90126
Noctuidae	Noctuinae		Agrotis (Papuagrotis)	habbema	Vink & Zilli	2022	paratype	1108744	90127
Noctuidae	Noctuinae		Agrotis (Papuagrotis)	habbema	Vink & Zilli	2022	paratype	1108745	90128
Noctuidae	Noctuinae		Agrotis (Papuagrotis)	habbema	Vink & Zilli	2022	paratype	1108752	90129
Noctuidae	Noctuinae		Agrotis (Papuagrotis)	habbema	Vink & Zilli	2022	paratype	1108753	90130
Noctuidae	Noctuinae		Agrotis (Papuagrotis)	habbema	Vink & Zilli	2022	paratype	1545035	90131
Noctuidae	Noctuinae		Agrotis (Papuagrotis)	habbema	Vink & Zilli	2022	paratype	1545036	90132
Noctuidae	Noctuinae		Agrotis (Papuagrotis)	habbema	Vink & Zilli	2022	paratype	1545040	90133
Noctuidae	Noctuinae		Agrotis (Papuagrotis)	habbema	Vink & Zilli	2022	paratype	1545041	90134
Noctuidae	Noctuinae		Agrotis (Papuagrotis)	habbema	Vink & Zilli	2022	paratype	1545042	90135
Noctuidae	Noctuinae		Agrotis (Papuagrotis)	habbema	Vink & Zilli	2022	paratype	1545043	90136
Noctuidae	Noctuinae		Agrotis (Papuagrotis)	habbema	Vink & Zilli	2022	paratype	1545044	90137
Noctuidae	Noctuinae		Agrotis (Papuagrotis)	habbema	Vink & Zilli	2022	paratype	1545045	90138
Noctuidae	Noctuinae		Agrotis (Papuagrotis)	habbema	Vink & Zilli	2022	paratype	1545046	90139

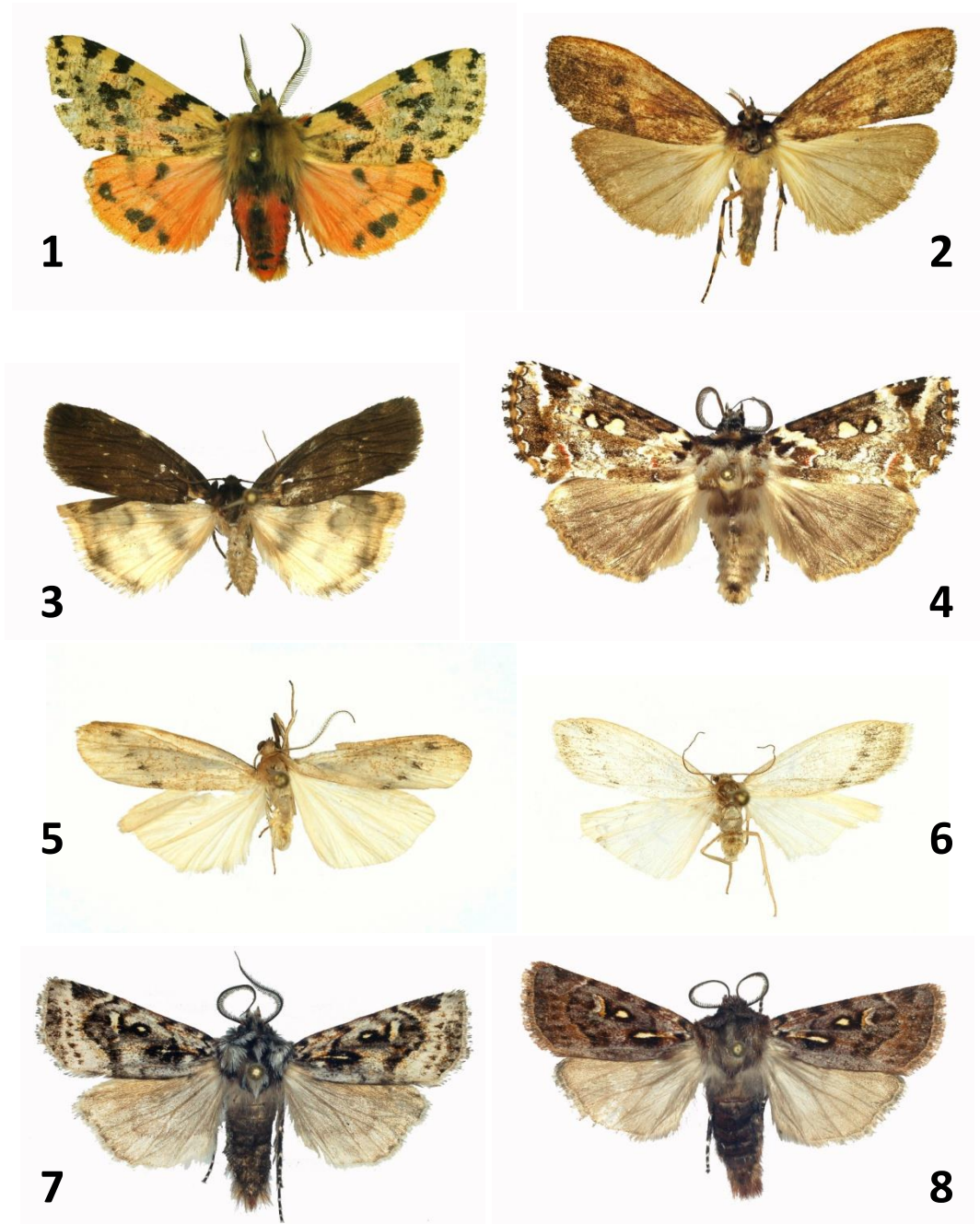


Fig. 1. *Spilosoma renateae* De Vos, 2020, paratype ♂, Lake Habbema, KSP-PIF.90109; **Fig. 2.** *Oeonosia lorentz* De Vos, 2020, holotype ♂, Lake Habbema, KSP-PIF.90115; **Fig. 3.** *Cyana (Cryptanaema) habbema* De Vos, 2020, paratype ♂, Lake Habbema, KSP-PIF.90117; **Fig. 4.** *Thyatira papuana* Ronkay et al., 2021, holotype ♂, Lake Habbema, KSP-PIF.90118; **Fig. 5.** *Blavipelosia habbemaensis* De Vos, 2022, holotype ♂, Lake Habbema, KSP-PIF.90121; **Fig. 6.** *Blavipelosia habbemaensis* De Vos, 2022, paratype ♀, Lake Habbema, KSP-PIF.90122; **Fig. 7.** *Agrotis (Papuagrotis) habbema* Vink & Zilli, 2022, paratype ♂, Lake Habbema, KSP-PIF.90123; **Fig. 8.** *Agrotis (Papuagrotis) habbema* Vink & Zilli, 2022, paratype ♂, Lake Habbema, KSP-PIF.90130.