

Three taxa from Hulstaert (1924) transferred from Arctiinae (Erebidae) to Lacturidae and Immidae (Lepidoptera) and synonymised

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Abstract: *Darantoides lineolata* Hulstaert, 1924 and *D. plagiata* Hulstaert, 1924, currently placed in the Lithosiini (Erebidae, Arctiinae), are found to belong to the Lacturidae. *Darantoides lineolata* Hulstaert, 1924 **syn. nov.** is synonymized with *Lactura pyronympha* Meyrick, 1923 and *Darantoides plagiata* Hulstaert, 1924 **syn. nov.** is synonymised with *Lactura pyrilampis* (Meyrick, 1886). *Dichroptera basilinea* Hulstaert, 1924 **syn. nov.**, currently placed in the Lithosiini (Erebidae, Arctiinae), is found to belong to the Immidae and is synonymised with *Bursadella timetica* (Durrant, 1915).

Rangkuman: *Darantoides lineolata* Hulstaert, 1924 dan *D. plagiata* Hulstaert, 1924, yang sementara ditempatkan di Lithosiini (Erebidae, Arctiinae), didapatkan termasuk dalam Lacturidae. *Darantoides lineolata* Hulstaert, 1924 **syn. nov.** menjadi sinonim dengan *Lactura pyronympha* Meyrick, 1923 dan *Darantoides plagiata* Hulstaert, 1924 **syn. nov.** menjadi sinonim dengan *Lactura pyrilampis* (Meyrick, 1886). *Dichroptera basilinea* Hulstaert, 1924 **syn. nov.**, sementara ini ditempatkan di Lithosiini (Erebidae, Arctiinae), didapatkan termasuk dalam Immidae dan menjadi sinonim dengan *Bursadella timetica* (Durrant, 1915).

Key-words: *Darantoides*, *Lactura*, Lithosiinae, new synonym, New Guinea, Gustaaf Hulstaert.

R.P. Gustaaf Hulstaert

Reverend Father (R.P.) Gustaaf Hulstaert (1900-1990) is known for his publications on Lepidoptera from the Dutch Indies, New Guinea and Belgian Congo. He obtained material from the Dutch Indies and New Guinea from colleagues who were stationed as missionaries, like R.P. Petrus Vertenten and Mr D. van Roessel. This material was identified and described by himself in 1923 and 1924 in more than 20 publications. Most of that material was kept in his collection in Heverlee (Belgium) and is at present in the Naturalis Biodiversity Center in Leiden. In 1925 Gustaaf Hulstaert became a missionary himself and was stationed in Belgian Congo where he continued his hobby in Lepidoptera. The material from that period is for the greater part stored in Musée Royal de l'Afrique Centrale in Tervuren, Belgium.

Discoveries

Unfortunately, the publications of Hulstaert are also known of the many synonyms they generated. Hulstaert probably was not in the opportunity to visit important entomological collections, like the Natural History Museum in London or the Humboldt University Museum in Berlin, or to contact the specialists of his time. On the other hand, it seems that type material from the Hulstaert collection only very occasionally has been verified by revisions, partly due to the suggested loss of the types.

During a recent reordering of the Lepidoptera moth collection in the Naturalis Biodiversity Center, Leiden, The Netherlands (RMNH) an important part of the New Guinea and Kai Islands type collection of Gustaaf Hulstaert was rediscovered, including some intriguing colourful moths with the holotype and paratype of *Darantoides lineolata* and *Darantoides plagiata*, and the holotype of *Dichroptera basilinea*. Hulstaert (1924) considered them to belong to the Arctiidae (Erebidae, Arctiinae, Lithosiini) which is not at all surprisingly considering the bright orange colours in the first two and the beautiful yellow and black patterned third one. However, seeing finally the actual specimens it becomes clear that they respectively belong to the genus *Lactura* in the Lacturidae family, also bright coloured species, and *Bursadella* in the Immidae family.

Transference

Darantoides lineolata Hulstaert, 1924 and *Darantoides plagiata* Hulstaert, 1924 are transferred to the genus *Lactura* Walker, 1854 (Lacturidae).

Lactura pyronympha Meyrick, 1923 appears to be conspecific with *Darantoides lineolata* Hulstaert, 1924 **syn. nov.** and *Enaemia pyrilampis* Meyrick, 1886 (now positioned in *Lactura*) is conspecific with *Darantoides plagiata* Hulstaert, 1924 **syn. nov.**

Lactura is a species rich and widely distributed genus, with some species in Africa and North America, but with most species in the Indo-Australian tropics.

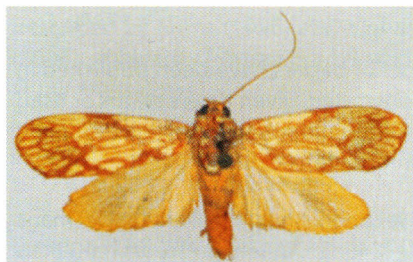
Dichroptera basilinea Hulstaert, 1924 is transferred to the genus *Bursadella* Snellen, 1880 (Immidae). *Imma timetica* Durrant, 1915 (now positioned in *Bursadella*) appears to be conspecific with *Dichroptera basilinea* Hulstaert, 1924 **syn. nov.** The genus *Dichroptera* Hulstaert, 1924 **syn. nov.** is a junior synonym of *Bursadella* Snellen, 1880.

Acknowledgement

I thank Mr Kevin Tuck (microlepidoptera, Natural History Museum, London, United Kingdom) for his help with the identity of *Lactura pyrilampis* (Meyrick, 1886).

Literature

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- Fig. 1.** *Darantoides lineolata* Hulstaert, 1924 **syn. nov.**, ♀ holotype [= *Lactura pyronympha* Meyrick, 1923], Digoel [Dutch South New Guinea] (RMNH);
- Fig. 2.** *Darantoides plagiata* Hulstaert, 1924 **syn. nov.**, ♂ holotype [= *Lactura pyrilampis* (Meyrick, 1886)], Digoel [Dutch South New Guinea] (RMNH);
- Fig. 3.** *Lactura pyrilampis* (Meyrick, 1886) ♂, Getentiri, Papua, Indonesia (RMNH);
- Fig. 4.** *Dichroptera basilinea* Hulstaert, 1924 **syn. nov.**, ♀ holotype [= *Bursadella timetica* (Durrant, 1925)], Digoel [Dutch South New Guinea] (RMNH).