

BULLETIN MENSUEL
DE LA
SOCIÉTÉ LINNÉENNE
DE LYON

SOCIÉTÉ DE SCIENCES NATURELLES, RECONNUE D'UTILITÉ PUBLIQUE



33 rue Bossuet, F 69006 LYON

SOMMAIRE

AUDIBERT C. – Première récolte en France de la galle d' <i>Agathomyia wankowiczii</i> (Schnabl, 1884) (Diptera, Platypezidae, Callomyiinae) sur le <i>Ganoderma applanatum</i> (Pers.) Pat., 1889 (Basidiomycota, Aphyllophoromycetidae, Poriaceae)	5
DANTON P. – Quand un botaniste se prend à lézarder au soleil de Tenerife.	11
DARGE P. – Une nouvelle espèce du genre <i>Heniocha</i> Hübner, 1819 (Insecta, Lepidoptera, Saturniidae)	31
PERRIER C. – Aperçu de la bryoflore de l'Archipel Juan Fernández, au Chili.	19
Analyse d'ouvrage	4

CONTENTS

AUDIBERT C. – First record from France of the gall induced by <i>Agathomyia wankowiczii</i> (Schnabl, 1884) (Diptera Platypezidae) on the fungus <i>Ganoderma applanatum</i> (Pers.) Pat., 1889 (Basidiomycota, Poriaceae)	5
DARGE P. – A new species of the genus <i>Heniocha</i> Hübner, 1819 (Insecta, Lepidoptera, Saturniidae)	31
PERRIER C. – General survey on the bryoflora of the Juan Fernández Archipelago, Chile	19
Book review	4

A new species of the genus *Heniocha* Hübner, 1819 (Insecta, Lepidoptera, Saturniidae)

Philippe Darge

21 Grande Rue, F 21490 Clénay <philippedarge@yahoo.fr>

Une nouvelle espèce du genre *Heniocha* Hübner, 1819 (Insecta, Lepidoptera, Saturniidae)

Heniocha pudorosa n. sp.

Derivatio nominis

From the Latin « *pudorosus* » : modest (in reference to the size and colours of the moth).

Hypodigme

Holotype. – ♂, Tanzania, Mbeya Province, Usangu Flats, savanna, 1139 m, 08°49.999'S, 034°01.421'E, 21.II.2004, collected by P. Darge, in collection P. Darge.

Paratypes. – (1) allotopotype, 1 ♀, same data as the holotype ; (2) paratopotypes, 8 ♂ and 1 ♀, same data as the holotype, in collection P. Darge ; (3) paratopotypes, 8 ♂ and 1 ♀, same data as the holotype, in collection R. Minetti ; (4) other paratypes, 3 ♂, Tanzania, Iringa Province, Little Ruaha River, Riverside Campsite, 1555 m, 07°47.889'S, 035°47.850'E, 24.II.2004, collected by P. Darge, in collection P. Darge.

Male

Closely similar to the male of *Heniocha marnois* (Rogenhofer, 1891), as defined by BOUYER (1999), from which it differs by the following characters.

Moderate size : forewing 30-40 mm, the apex well rounded (42-62 mm in *H. marnois*, with the apex less rounded and sometimes almost falcate).

Antenna, costa, inner and outer lines of the wings smoky grey (more brownish grey in *H. marnois*).

Forewings : outer line thin, externally very curved between the veins (larger and not curved in *H. marnois*) ; submarginal line pale grey bordered inside by a yellow thin line, externally very curved between the veins (mainly yellowish grey, larger and not externally curved in *H. marnois*) ; marginal band smoky grey (pale yellowish grey in *H. marnois*) ; eyespot rounded (more oval-shaped in *H. marnois*).

Hindwings : inner line thin, grey or blackish, slightly angled near the middle (larger, brownish grey and generally straight in *H. marnois*) ; outer line thin, grey or blackish, strongly curved between the veins at the external border (larger, brownish grey, very slightly curved in *H. marnois*) ; submarginal line very thin, yellowish grey,

Accepté pour publication le 18 novembre 2004



Top line. Left : *H. pudorosa* n. sp., holotype ♂. Right : *H. pudorosa* n. sp., allotype ♀.
Back line. Left : *H. marmois* ♂ (Tanzania, Mbeya Province, Usangu Flats). Right : *H. marmois* ♀
(Tanzania, Mbeya Province, savanna between Ilongo and Igurusi).

very curved externally (larger, yellowish brown, less curved in *H. marnois*) ; a small blackish central dot (a very small brownish black dot in *marnois*).

Thorax, abdomen and ground colour of the wings pure white (more greyish white in *H. marnois*).

This new species can also be separated from *Heniocha vingerhoedti* Bouyer, 1992 by the following characteristics : *H. pudorosa* is quite smaller, the ground colour pure white (creamy white in *H. vingerhoedti*), the patterns are greyish black (pale brownish grey in *H. vingerhoedti*), the inner line of the hindwing more impressed, straight, large and pure black instead of yellow brownish grey.

H. vingerhoedti inhabits Rwanda and North-West Tanzania, west of the Rift, and *H. marnois* is widely distributed from South-Africa and Namibia to south-eastern Zaïre and Kenya, whereas *H. pudorosa* is only known from some savannas of South Tanzania, east of the Rift.

The male genitalia of *H. pudorosa* are of very small size in comparison with those of *H. marnois*. Uncus triangular in shape, the base less wide than in *H. marnois*, with a long terminal hook bent on the inside only at its apex which is more sclerified than in *H. marnois*. Valve narrow, bevelled at apex and with the dorsal lobe longer than the ventral one (in *H. marnois* the ventral lobe is longer) ; ventral side straight in the first third and then firmly concave. Saccus short and triangular (saccus longer in *H. marnois*, with the rounded tip larger). Juxta with the two lateral arms thin and curved on the outside (larger and straight in *H. marnois*), separated by a wide hollow (narrower and more straight in *H. marnois*). Aedeagus short, thin and straight, without any noticeable row of teeth (long and large, with two rows of teeth near the apex in *H. marnois*).

Female

Larger than the male. Forewing : 35-42 mm (44-50 mm in *H. marnois*).

Identical to the male in shape and colours but the forewings are more rounded.

Discussion

This new species is at present only known from the two localities where it flies together with the close species *Heniocha marnois* ; this observation supports the specific separation between these two taxa.

Acknowledgements

This work was supported by the programme UBAENA / COSTECH N° 2003-340-NA-2002-140.

RÉFÉRENCES BIBLIOGRAPHIQUES

- BOUYER T., 1992. – Description de deux nouvelles espèces de Saturniidae d'Afrique (Lepidoptera, Saturniidae, Saturniinae). *Lambillionia*, XCII (2) : 141-145.
- BOUYER T., 1999. – Catalogue des Saturniidae africains. *Entomologia Africana*, H.S. 1, 73 p.
- HÜBNER J., 1816 [1819]. – *Verzeichniss bekannter Schmettlinge* [sic]. Ausbourg, Germany, 157 p.
- ROGENHOFER A.F., 1891. – Afrikanische Schmetterlinge. *Verh. Zool. Bot. Ges. Wien*, XLI : 565 p.