

**First record of *Cantharocnemis (Cantharoplastys) fairmairei*  
Lameere, 1902 in Mozambique  
(Coleoptera, Cerambycidae, Prioninae)**

Alain DRUMONT \*, Keita MATSUMOTO \*\* & Maxwell BARCLAY \*\*

\* D. O. Taxonomy and Phylogeny – Entomology, Royal Belgian Institute of Natural Sciences, Rue Vautier 29, B-1000, Brussels, Belgium; e-mail: adrumont@naturalsciences.be (ORCID: 0000-0000-0001-9357-473X)

\*\* Natural History Museum, Department of Life Sciences, Cromwell Road, SW7 5BD, London, United Kingdom

**Summary.** The African prionine longhorn beetle *Cantharocnemis (Cantharoplastys) fairmairei* Lameere, 1902 is newly recorded from Mozambique. Details of its discovery there are presented.

**Résumé.** Le coléoptère longicorne prionien africain *Cantharocnemis (Cantharoplastys) fairmairei* Lameere, 1902 est signalé pour la première fois du Mozambique. Les détails de sa découverte dans ce pays sont présentés.

**Keywords :** Coleoptera, Cerambycidae, Prioninae, *Cantharocnemis C. fairmairei*, geographic distribution, Africa, Mozambique, new record.

The species *Cantharocnemis fairmairei* Lameere, 1902 belongs to the sub-genus *Cantharoplastys* Westwood, 1865, one of the four subgenera composing the genus *Cantharocnemis* Audinet-Serville, 1832 after the subgenus *Paracantharocnemis* Plavilstshikov, 1933 was revalidated by DRUMONT (2004). The former subgenus *Cantharocnemis* Westwood, 1866, on the other hand, has been recently recognized as a good genus by DRUMONT *et al.* (2010).

Described from Morogoro in Tanzania by LAMEERE in 1902, *C. (Cantharoplastys) fairmairei* exhibits a large area of distribution in Africa. Indeed, the species has subsequently been reported from Angola, Botswana, Democratic Republic of Congo, Namibia, Nigeria, Republic of South Africa, Zambia and Zimbabwe, (SIMONETTA & QUENTIN, 1994). The record from Nigeria (near Kamasi, S. Ashanti) attributed to *C. (Cantharoplastys) lepesmei* Gilmour, 1956 (= *C. fairmairei*) (SIMONETTA & QUENTIN, 1994) is doubtful and will be treated in a forthcoming note. More recently, *C. fairmairei* was also additionally mentioned for the first time from Kenya by DRUMONT & LELONG (2013).

In this short note, we present the first record of *C. fairmairei* from Mozambique as well as the circumstances of its collecting in this country.

**Studied material.** 1 female, 42 mm (length measured from the tip of mandibles to the apex of elytra) : Mozambique, Maputo Special Reserve, West Gate (sand Thicket), 22 m., 26°30'14.2S-32°42'59.6E, 10-17.ii.2018, light trap, Lazlo G., Mulvaney J. & Smith L. leg., ANHRT: 2018.2, BMNH (E) 2018-154 / NHMUK 013794529.

The specimen of *C. fairmairei* from Mozambique is deposited in the Natural History Museum, London. It was collected as part of a project organised by the African Natural History Research Trust (ANHRT), based in Leominster, Herefordshire, England. ANHRT was founded in 2010 by Richard E. L. SMITH, with a mission to promote collections-based faunistic and taxonomic research, particularly on the insect order Lepidoptera. The trust leads several field trips per year to different countries in Tropical Africa, and maintains a collection of more than 350,000 butterflies and moths, which it aims to safeguard as an important scientific resource for future generations. It also collaborates with and supports the work of the Natural History Museum, London, with respect to Coleoptera. Its website is available at: [www.anhrt.org.uk](http://www.anhrt.org.uk).

The finding of *C. fairmairei* in the southern part of Mozambique, although been the first record of the species in the country, is not very surprising as it was already known from the Republic of South Africa. The species is among others known from the provinces of Transvaal (Warmbaths) and of KwaZulu Natal (Hluhwe-Umfolozi), both located in the northwest of the Republic of South Africa and adjoining the southern part of Mozambique.

### **Acknowledgments**

We are grateful to the African Natural History Research Trust (Herefordshire, United Kingdom) and Richard E.L. SMITH for supporting KM and the work of the Coleoptera Section at Natural History Museum, as well as providing material and habitat photographs used in this paper, and for their efforts in increasing the understanding of the entomofauna of Africa. We thank Gyula LAZLO, Lydia SMITH and Jason MULVANEY (ANHRT) for collecting the specimen in question. Specimens from the Maputo Special Reserve were collected under research permit No. 07 issued by the Administração Nacional Das Áreas De Conservação (ANAC), and export of specimens was authorised by the Museu de História Natural de Maputo (MHNM) under export permit No.: 03/2018. We thank Dr. Bartolomeu SOTO and Dr. Lucilia CHUQUELA for help with the research and export permits respectively. Special thanks are also addressed to Noël MAL (Marcinelle, Belgium) for the final composition of the plate accompanying this note.

**References**

- DRUMONT, A., 2004.** - Compléments à l'étude du genre *Cantharocnemis* (1<sup>ère</sup> note) : revalidation du sous-genre *Paracantharocnemis* Plavilstshikov, 1933 et premières captures de *Cantharocnemis* (*Cantharocnemis*) *spondyloides* Audinet-Serville, 1832 en Afrique du Sud et dans le Sultanat d'Oman (Coleoptera, Cerambycidae, Prioninae). *Entomologia Africana*, 9 (2) : 29-37.
- DRUMONT, A. & LELONG, J.-C., 2013.** - Communication. Présence de *Cantharocnemis* (*Cantharoplastys*) *fairmairei* Lameere, 1902 au Kenya (Coleoptera, Cerambycidae, Prioninae). *Entomologia Africana*, 18 (1) : 48
- DRUMONT, A, SAMA, G. & KOMIYA, Z., 2010.** - Cerambycidae: Prioninae. New nomenclatural and taxonomic acts and comments [pp. 38-42] in LÖBLI. & SMETANA A.. *Catalogue of Palearctic Coleoptera, volume 6. Chrysomeloidea*. Eds Löbl I. & Smetana A., Apollo Books, Stenstrup, Denmark, 924 pp.
- LAMEERE, A., 1902.** - Révision des Prionides : troisième mémoire – Spondylines. *Ann. Soc. ent. Belg.*, tome XLVI, n°VI : 303-334
- DRUMONT & Lelong 2013**
- SIMONETTA, J. & QUENTIN, R. M., 1994.** - Révision du genre *Cantharocnemis* Serville (Coleoptera : Cerambycidae) 3. Les sous-genres *Cantharoplastys* Westwood et *Paracantharocnemis* Plavilstschikov. *Ann. Soc. ent. France* (N.S.), 30 (4): 403-418.

PLANCHE XX



PLANCHE / PLATE. female of *Cantharocnemis (Cantharoplastys) fairmairei* Lameere, 1902 collected in the West Gate (sand Thicket) of the Maputo Special Reserve in southern Mozambique in February 2018 (illustrated biotopes and light trap on the background of the plate). (Photos : ANHRT, arrangement of the plate : Noël MAL).