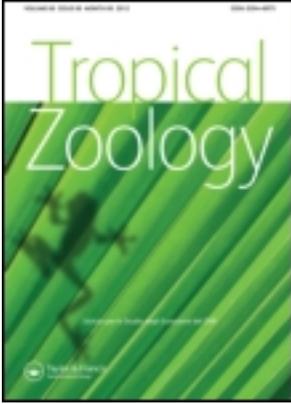


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Heterocerus hardei n. sp. from Ethiopia (Coleoptera Heteroceridae)

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***Heterocerus hardei* n. sp. from Ethiopia (Coleoptera Heteroceridae)**

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This paper describes *Heterocerus hardei*, a new species of Heteroceridae beetle (Coleoptera) from Bahar Dar in the Gojam region of Ethiopia. The species is closely related to *Heterocerus peringueyi* Grouvelle 1919 (*breddoi* group).

KEY WORDS: Coleoptera, Heteroceridae, new species, Ethiopia.

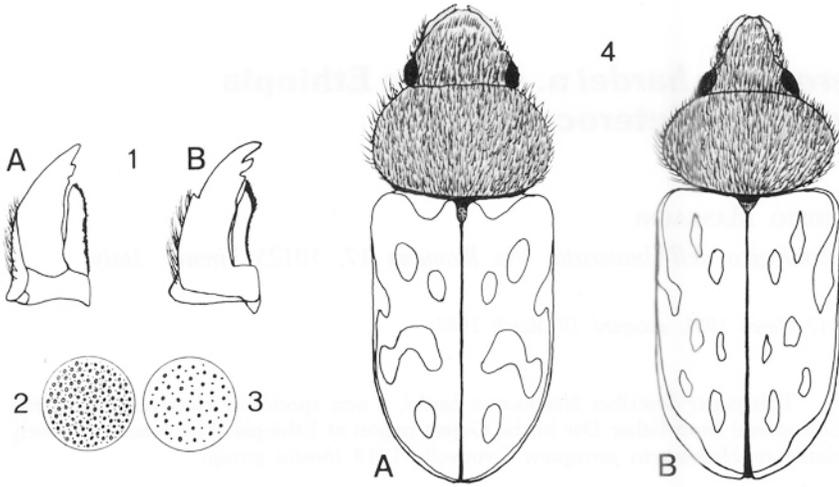
Among the Heteroceridae belonging to the Staatliches Museum für Naturkunde in Stuttgart (Western Germany) are specimens from Bahar Dar in the Gojam region of Ethiopia, near Lake Tana-Blue Nile (at about 1800 m), which belong to a new species.

***Heterocerus hardei* n. sp.**

Type material. Holotype ♂: Ethiopia, Bahar Dar, «Lichtfang», 8.X.1968, K.W.u.H. Harde legit, Stuttgart Museum. Allotype ♀: same data as for holotype. Paratypes ♂♂, ♀♀: same locality as holotype, with 60 specimens in the Stuttgart Museum (3 of which were collected on 20.X.1968 and 1 on 22.X.1968), 1 (no. 7589) in the Zoological Museum of the University of Florence, 1 in F. Terzani's collection, and 12 in my collection (2 of which were collected on 22.X.1968).

Holotype description. Length 4 mm, width 1.6 mm, elytra length 2.5 mm. Head dark brown, whitish pubescence with hairs longer on the sides; mandibles as in Fig. 1B; antennae with 11 segments, apical 7 clubbed. Pronotum dark brown, narrowing anteriorly and bordered posteriorly; whitish pubescence with some long hairs especially on the sides; densely but somewhat irregularly punctate and micropunctured (Fig. 2). Elytra pubescent with some longer and straighter hairs, especially on the sides; orange pattern as in Fig. 4B; slightly punctate and micropunctured (Fig. 3); no epipleural line. Wings membranous as in Fig. 6. Thorax with post-mesocoxal line. Legs shiny with several long hairs especially on the tibiae; first pair with 11, second pair with 7 and third pair with 6 spines. Abdomen dark brown with orange border; stridulatory arch slightly striate, first 2/3 straight, bending at about a 45° angle at the 2nd abdominal segment; no post-metacoxal line; numerous rather long whitish hairs. Aedeagus 1 mm long, as in Fig. 7B.

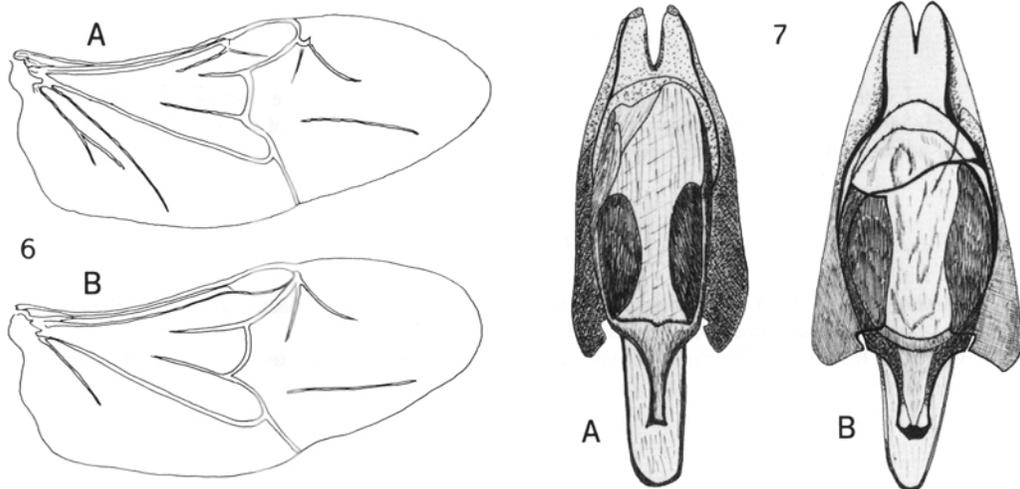
Allotype description. Length 4.3 mm; width 1.7 mm; elytra length 2.7 mm. Its description conforms to that of the holotype.



Figs 1-4. — *Heterocerus peringueyi* Grouvelle 1919: mandible (Fig. 1A), habitus (Fig. 4A). *Heterocerus hardei* n. sp.: mandible (Fig. 1B), pronotum pattern (Fig. 2), elytra pattern (Fig. 3), habitus (Fig. 4B).



Fig. 5. — Distribution of *Heterocerus peringueyi* Grouvelle 1919 (●) and *Heterocerus hardei* n. sp. (○) in Africa.



Figs 6-7. — *Heterocerus peringueyi* Grouvelle 1919: membranous wing (Fig. 6A), male genitalia (Fig. 7A). *Heterocerus hardei* n. sp.: membranous wing (Fig. 6B), male genitalia (Fig. 7B).

Variations in the type-series. Size: ♂♂, length 3.7-4.4 mm; ♀♀, length 4.3-4.7 mm; ♂♂ and ♀♀, width 1.5-1.9 mm. Elytra patterns are variable but conform to that of the type, as do the other main characters.

Diagnosis. This average-sized Heteroceridae beetle with very little sexual dimorphism belongs in the *bredoi* group due to its 11-segmented antennae, posteriorly-bordered pronotum, post-mesocoxal line and large aedeagus (CHARPENTIER 1965).

Affinities. Within the *bredoi* group the new species is close to *Heterocerus peringueyi* Grouvelle 1919, from which it differs in having mandibles with an arched prosteca, differently-shaped teeth on the dental lobe (Fig. 1A-B), a narrower head, a more oval pronotum, a different elytral pattern (Fig. 4A-B), and differently-veined membranous wings (Fig. 6A-B) (CROWSON 1967). In the male genitalia (Fig. 7A-B) the parameres are closer, the phallobase less-arched with larger lateral protrusions, the median strip narrower apically, the dorsal aedeagus plaque larger and more oval, the median «tirante» more than twice as large, and a different endophallus.

Distribution. *Heterocerus hardei* n. sp. is known only from the type locality (Fig. 5) where 76 specimens have been collected. *Heterocerus peringueyi* Grouvelle is known only from the Republic of South Africa: Cape of Good Hope, Port Alfred, Kleinmend, Garies and Namaqualand.

The two species vary in size:

	<i>Heterocerus hardei</i>	<i>Heterocerus peringueyi</i>
Length (mm)	♂ 3.7-4.4 ♀ 4.3-4.7	♂ 5.2-5.8 ♀ 5.0-5.8
Width (mm)	♂ 1.5-1.9 ♀ 1.5-1.9	♂ 1.9-2.1 ♀ 1.9-2.2

Derivatio nominis. I have dedicated the new species to its collector K.W. Harde.

ACKNOWLEDGEMENTS

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