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**Hyphydrus species (Coleoptera, Dytiscidae)
collected in Cameroon, with the description of
Hyphydrus brancuccii n. sp.**

(11th contribution to the study of Dytiscidae)

by **Olof Biström**

Abstract: *Hyphydrus brancuccii* n.sp., belonging to the species group *H. conradi*, is described from Cameroon. *H. parvicollis* Sharp is reported for the first time from Cameroon and other *Hyphydrus* species are listed.

After my revision of the genus *Hyphydrus* Illiger (BISTRÖM, 1982) was sent for printing I received from Dr. Michel Brancucci, Basle (Switzerland) some material of the genus collected in Cameroon by Dr. Ph. Bruneau de Miré. Among common species was an undescribed one, the description of which is given below. The species are listed in the systematic order introduced by me (BISTRÖM, 1982). The material studied including the holotype will be deposited in Muséum National d'Histoire Naturelle in Paris.

List of species

Species group *H. parvicollis*

H. parvicollis Sharp

Material studied: Ngaoundéré, Aout 71 (11 ex.); Foumbot 2.XI.70 (7 ex.); Foumbot 7.VIII.68 (2 ex.).

Remark: First records from Cameroon.

Species group *H. grandis*

H. grandis Laporte de Castelnau

Material studied: Ngaoundéré, Aout 71 (1 ex.).

Species group *H. signatus****H. maculatus*** Babington

Material studied: Moroua 26.VIII.73 (5 ex.); Foubot 17.XI.68 (1 ex.); Garoua 25.VI.74 (1 ex.); Dschang 7.–14.XI.67 (1 ex.).

Species group *H. conradsi****H. brancuccii*** n. sp.

Fig. 1a–e

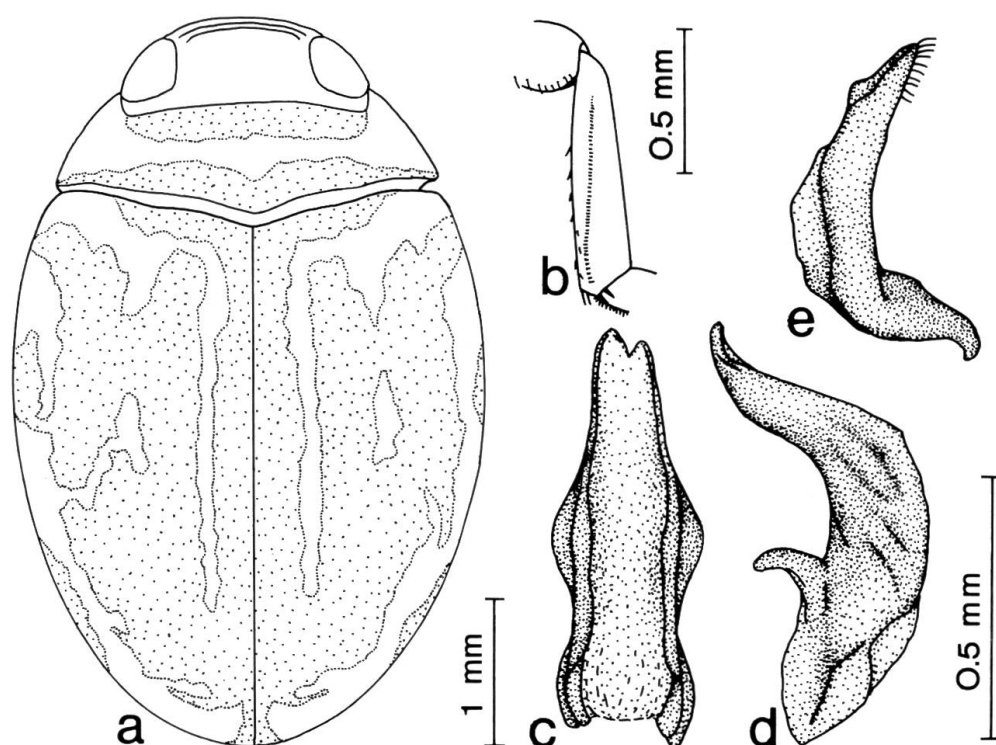
Diagnosis: The new species belongs to the species group *H. conradsi*, characterized by having a furrow posterior to the bordered anterior margin of the head, a single type of elytral punctation, the apex of the penis lacking a distinct, bilobed, apical extension and finally the fairly large body. The new species is close to *H. conradsi* Gschwendtner and *H. circumflexus* Klug. From *H. conradsi* it is distinguished by having a longitudinal, ferruginous marking near to the elytral suture. Further, the penis in lateral view narrows almost evenly towards the apex. From *H. circumflexus* *H. brancuccii* is distinguished by the unmodified male protibia and by the penis which is strongly expanded laterally. Illustrations of *H. conradsi* and *H. circumflexus* are given in BISTRÖM (1982).

Description: Body rounded. Angle between pronotum and elytra fairly indistinct (Fig. 1a).

Head: Ferruginous; anterior margin slightly and almost evenly rounded, medially slightly obtuse. Punctation fairly fine and sparse, densest posteriorly between eyes and frontally in the middle. Shiny, microsculpture lacking. A distinct depression anteriorly on each side close to foremargin furrow. Antennae and palpi pale ferruginous to testaceous.

Pronotum: Ferruginous, anterior and posterior margin broadly black to blackish ferruginous (Fig. 1a). Punctation fairly fine and dense. Size of punctures somewhat irregular. Discally on each side with a minute area lacking punctation. Shiny, microsculpture lacking. Broadest at posterior corners, sides slightly rounded.

Elytra: Ferruginous to pale ferruginous, with extensive black to blackish ferruginous markings (Fig. 1a). Punctation fairly fine, dense, almost evenly distributed. Each elytron with an indistinct, discal row of punctures which is visible only anteriorly. Shiny, microsculpture lacking. Epipleura pale ferruginous to ferruginous, with fine and sparse punctation.



Figs 1a–e. *Hyphydrus brancuccii* n.sp.: a, dorsal view of body. b, left protibia. c, penis, dorsal view. d, penis, lateral view. e, paramere.

Ventral side: Ferrugineous. Punctuation fine, rather sparse. On abdomen slightly finer. Shiny, microsculpture lacking (fragments of microsculpture can be seen).

Legs: Ferrugineous, hindlegs somewhat darker. Pro- and mesotarsi narrow. Protibiae not modified (Fig. 1b). Pro- and mesotrochanters lacking distinct hairtufts.

Aedeagus (Fig. 1c–e): Penis laterally in the middle strongly expanded. Penis in dorsal view from approximately the middle towards apex somewhat narrowing. In lateral view apex of penis curved upwards.

♀: Unknown.

Length: 4.6 mm, breath: 3.1 mm.

Biology: Unknown.

Type locality: Foubot, Cameroon.

Type material: Holotype ♂, Foubot 2. II. 70. Will be deposited in Paris Museum.

Species group *H. impressus****H. impressus*** Klug

Material studied: Moroua 26. VIII. 73 (3 ex.).

Acknowledgement:

I wish to thank Dr. Michel Brancucci who kindly provided me with the material.

Reference

BISTRÖM, O. (1982): *A revision of the genus Hyphydrus Illiger (Coleoptera, Dytiscidae)*.
Acta Zool. Fennica (in press).

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