

Descriptions of three new species of *Hydrochus* (Coleoptera: Hydrochidae)

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Abstract. Three new *Hydrochus*-species are described: *Hydrochus lachmoni* sp. n. from South Africa, *Hydrochus jiawanae* sp. n. from America, and *Hydrochus martinae* sp. n. (Coleoptera: Hydrochidae).

Samenvatting. Drie nieuwe *Hydrochus*-soorten (Coleoptera: Hydrochidae)
Drie nieuwe *Hydrochus*-soorten worden beschreven: *Hydrochus lachmonii* sp. n. uit Zuid-Afrika, *Hydrochus jiawanae* sp. n. uit Amerika en *Hydrochus martinae* sp. n. uit Spanje.

Résumé. Trois espèces nouvelles d'*Hydrochus* (Coleoptera: Hydrochidae)
L'auteur décrit trois espèces nouvelles d'*Hydrochus*: *Hydrochus lachmoni* sp. n. d'Afrique du Sud, *Hydrochus jiawanae* sp. n. d'Amérique et *Hydrochus martinae* sp. n. d'Espagne.

Key words: Coleoptera - Hydrochidae - South Africa - America - new species.

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Introduction

The Naturhistorisches Museum, Wien, Austria, Transvaal Museum, Pretoria, South Africa, and Museo Nacional de Ciencias, Madrid sent me some *Hydrochus* samples for identification. Three new species were found among these samples. They are described below. The holotype of *Hydrochus lachmoni* sp. n. is deposited in the Transvaal Museum, Pretoria, South Africa, the holotype of *Hydrochus jiawanae* sp. n. is deposited in the Naturhistorisches Museum, Wien, Austria, and the holotype of *Hydrochus martinae* sp. n. is deposited in the Museo Nacional de Ciencias, Madrid, Spain.

Hydrochus lachmoni sp. n.

Holotype: ♂. South Africa, S. Cape Harkerville Forest, 34°04' S. - 23°10' E. (E-Y: 1299, shore washing), 7.12.1976 (Endrödy-Younga leg.). Paratype: 1♀. South Africa S.W. Cape Bainskloof, 33°30' S. - 19°10' E. (E-Y: 227, shore washing), 10.11.1973 (Endrödy-Younga leg.).

Description (holotype male): Body elongated, 3.7 mm long, 1.3 mm wide. Dorsal side shiny. Colour of head, pronotum, scutellum and elytra coppery, with a blue-green metallic gloss. Head with coarse punctures. Pronotum longer than wide, lateral area smooth. Disc with five deep depressions. Anterior margin of pronotum with three depressions, one in the center, two behind this. Posterior margin with two depressions.

Elytron length 2.5 mm, the posterior third widest, lateral area smooth, stria punctures wider than interstriae, interstriae convex, tubercles absent. Apical side with three holes. Elytral apices rounded.

Male genitalia (fig 1): Basal piece very short, median lobe with a long flagellum and longer than paramera.

Etymology: The species is named after Jagernath Lachmon, founder of the Hindustan party VHP from Suriname.

Remarks: This species seems to be allied to *Hydrochus rishwani* Makhan, 1994a from South Africa, but there is a difference in the shape of the male genitalia. *Hydrochus lachmoni* sp. n. median lobe with a long flagellum, *Hydrochus rishwani* flagellum absent.

Hydrochus jiawanae sp. n.

Holotype: ♂. America, Texas, Big Thicket, 27/28. XI.1991 (Jäch leg.) (only the holotype).

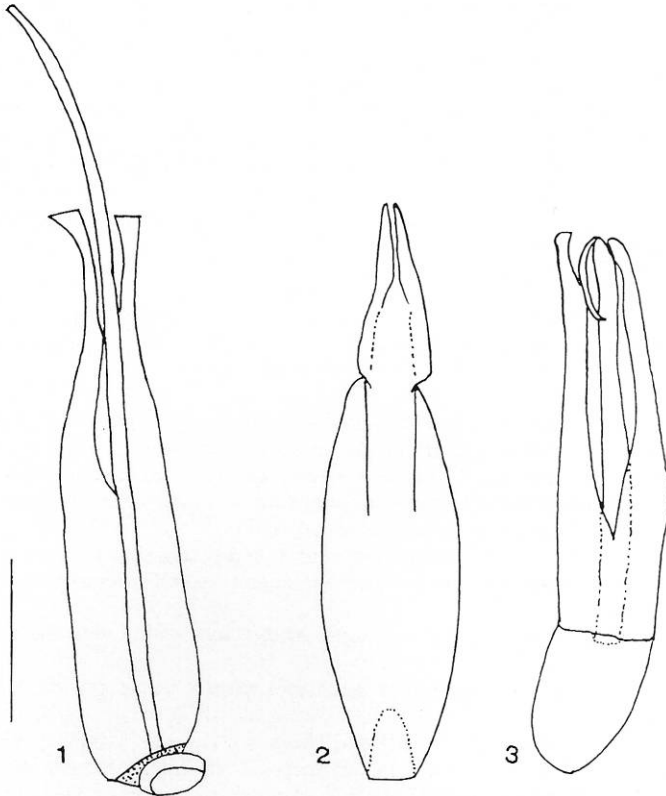
Description (holotype male): Body elongated, 3.6 mm long, 1.3 mm wide. Dorsal side shiny, colour of head, pronotum, scutellum and elytra coppery, with a blue-green metallic gloss. Head with coarse punctures. Pronotum longer than wide, lateral area smooth. Disc with five large deep depressions. Anterior margin of pronotum with three depressions, one at the center, two behind this. Posterior margin with two depressions.

Elytron length 2.4 mm, the posterior third widest, lateral area smooth, stria punctures wider than interstriae. Interstriae flat, 5th interstriae with a shallow tubercle on posterior side. Apical holes absent. Elytral apices rounded.

Male genitalia (fig 2): Basal piece long, paramera longer than median lobe.

Etymology: This species is named after my sister in law Mila Soekhnandan-Jiawan.

Remarks: This species is very similar to *Hydrochus callosus* LeConte, 1851 from America, but there is a difference in the shape of the male genitalia: the paramera are straight in *Hydrochus callosus* whereas in *Hydrochus jiawanae* sp. n. they are strongly curved.



Figures 1-3. 1. Male genitalia of *Hydrochus lachmoni* sp. n.; 2. Male genitalia of *Hydrochus jiawanae* sp. n.; 3. Male genitalia of *Hydrochus martiniae* sp. n. (reference bar 0.25 mm)

***Hydrochus martinae* sp. n.**

Holotype: ♂. Spain, Escorial, date unknown (Periz Arcos). Paratypes 5 ♀, same locality as holotype.

Description (holotype male): Body elongated, 3.3 mm long, 1.2 mm wide. Dorsal side shiny, colour of head, pronotum, scutellum and elytra black, with a blue-green metallic gloss. Head with coarse punctures. Pronotum longer than wide, lateral area smooth. Disc with five large deep depressions. Anterior margin of pronotum with three depressions, one at the center, two behind this. Posterior margin with two depressions.

Elytron length 2.4 mm, its posterior third widest, lateral area smooth, interstriae wider than striae punctures. Interstriae convex. 3rd interstriae with 2 tubercles on posterior side, 5th interstriae with one tubercle on posterior side. Apical side with 2 holes. Elytral apices rounded.

Male genitalia (fig. 3): Basal piece short, median lobe with flagellum, longer than paramera.

Etymology: This species is named after Carolina Martin from the Museo Nacional de Ciencias Naturales, Madrid, Spain.

Remarks: This species is very similar to *Hydrochus nitidicollis* Mulsant, 1844 from Europe, but there is a difference in the shape of male genitalia. The median lobe in *Hydrochus nitidicollis* is very long, whereas it is short in *Hydrochus martinae* sp. n.

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