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### 6.5.2. Species group 2 (sp.gr. *turbinatus*)

#### *Hydrovatus turbinatus* Zimmermann

Figs 42–49.

*Hydrovatus turbinatus* ZIMMERMANN, 1921:191 (orig. descr., faun.); BRUCH 1927:538, 541 (faun.); BLACKWELDER, 1944:75 (faun.).

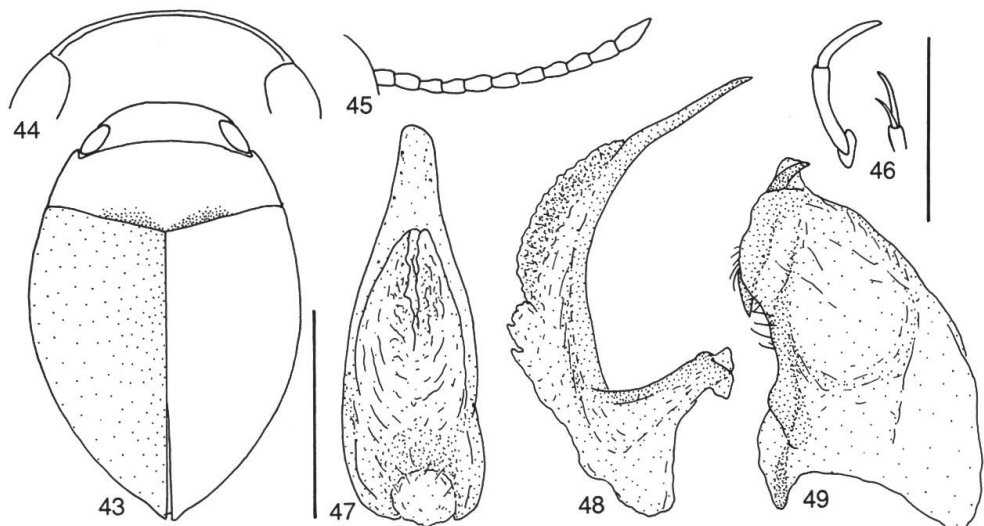
Type locality: Buenos Aires Prov., Argentina.

Type material studied: Lectotype, m, by present designation: Rep. Argentina Prov. Buenos Aires 9.VII.1905 C. Bruch/Type/Samml. A. Zimmermann/Paratypus (ZSM). Although the specimen in ZSM is provided with a paratype label, there is no publication indicating that a holotype has ever been chosen. The paratype label is probably a later addition, and thus I herewith have decided to designate a lectotype for the species. – Paralectotypes: Principally with same text as lectotype (3 exx. ZSM). Possible paralectotypes (not provided with any type labels) with same text as lectotype (2 exx. MNHN). In all, 6 exx.

Diagnosis: A distinct species, characterized particularly by male meostarsus: Strongly asymmetric, one claw distinctly extended. Also the male genitalia is peculiar for the species, deviating from all other *Hydrovatus* species.

Length of body: 1.82–1.96 mm, breadth: 1.24–1.32 mm. Body fairly globular (Fig. 43).

Head: Pale ferrugineous. Almost impunctate. Posteriorly on head very fine, sparse punctation may be discerned. Narrowly at eyes and in shallow frontal depressions also with fine punctures. Submat, microsculptured (meshes distinct). Appearance of frontal aspect of head (Fig. 44). Antenna pale ferrugineous, rather slender (Fig. 45).



Figs 43–49: *Hydrovatus turbinatus*. – 43, habitus. – 44, head, frontal aspect. – 45, antenna. – 46, male mesotarsal claws from different angles. – 47, penis, dorsal aspect. – 48, penis, lateral aspect. – 49, paramere. Left scale 1 mm, habitus; right top scale 0.5 mm, head, antenna and claws; right bottom scale 0.25 mm, genitalia.

Pronotum: Pale ferrugineous, basally in middle with a vague ferrugineous area. Finely and rather sparsely punctate. Laterally punctures slightly finer and sparser. Rather shiny, microsculptured (almost whole pronotum with clearly discernible meshes). Sides of pronotum slightly rounded.

Elytra: Dark ferrugineous to ferrugineous, without distinct colour pattern. Fairly coarsely and densely punctate. Apically punctation distinctly finer and sparser. Without distinct rows of punctures. Shiny, very fine partly obliterated microsculpture may be discerned. Microsculpture apically quite distinct. Epipleura pale ferrugineous, coarsely punctate, shiny and not microsculptured.

Ventral side: Pale ferrugineous. Fairly coarsely and densely punctate. Four apical sternites with distinctly finer punctation (apical sternite impunctate). Shiny, abdomen slightly mat and microsculptured. Prosternal process laterally very finely and rather indistinctly margined. Medial surface of process flat, indistinctly punctate.

Legs: Pale ferrugineous to ferrugineous. Protarsus slightly broadened. Mesotarsus broad, last joint long, claws asymmetric (one claw strongly extended) (Fig. 46; illustrated from different angles).

Male genitalia: Figs 47–49.

Female: Elytra distinctly microsculptured. Mesotarsi not distinctly modified.

Distribution: Argentina (Fig. 42).

Biology: Unknown.

### 6.5.3. Species group 3 (sp.gr. *pustulatus*)

#### **Hydrovatus cardoni** Severin

Figs 50–56.

*Hydrovatus cardoni* SEVERIN, 1890:CLXXXIX (orig. descr., faun.); 1892:472 (list.); RÉGIMBART, 1899b:232 (descr., faun.); ZIMMERMANN, 1919:127 (faun.); 1920a:32 (faun., list.); VAZIRANI, 1970b:96 (descr., faun.); 1972:120 (faun.); 1977a:27 (faun.).

Type locality: Konbir, India.

Type material studied: Holotype, f: Konbir/f/Type/Type (MNHN).—Paratypes: 1202/Konbir Cardon/Coll. Severin Determin. Régimb. 1890/G. Severin det. 1890: *Hydrovatus cardoni* Severin/Type/R. Mus. Hist. Nat. Belg. Mouchamps (1 ex. ISN); same as preceding but labelled Cetara (1 ex. ISN); *Hydrovatus cardoni* Sev. Type Cetara–Bengale (2 exx. MNB); Bengalen Konbir/Type (2 exx. ZSM); Bengalen/Type (2 exx. ZSM).

Additional material studied: India: Bengale/*H. cardoni* Sev. det. Severin (4 exx. MCG, belong possibly to type material); Konbir (1 ex. MNHN). In all, 14 exx.