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## A new species of the genus *Agnoshydrus* (Coleoptera: Dytiscidae)

G. WEWALKA & O. BISTRÖM \*

**A b s t r a c t:** *Agnoshydrus confusus* sp.n. is described from South-Laos. It is closely related to *A. densus* BISTRÖM, NILSSON & WEWALKA.

**K e y w o r d s :** Coleoptera, Dytiscidae, Hyphdrini, *Agnoshydrus*, new species.

### Introduction

The genus *Agnoshydrus* recently described (BISTRÖM, NILSSON & WEWALKA, 1997) as member of the tribe Hyphdrini comprises two species, *A. laccophiloides* (REGIMBART) and *A. densus* BISTRÖM, NILSSON & WEWALKA up to now. During a recent hydro-entomological expedition of the Natural History Museum, Vienna by Harald Schillhammer several specimens of this genus were collected at light in South-Laos. Four specimens belong to the type series of *A. densus*, the other six specimens turned out to belong to a very similar species which is described below.

### Material

The study material is deposited in the following institutions and private collections.

CWW Coll. Wewalka, Wien  
FMNH Finnish Museum of Natural History, Helsinki  
NMW Naturhistorisches Museum, Wien

### *Agnoshydrus confusus* sp.n.

**T y p e l o c a l i t y :** South-Laos, Prov. Champasak, about 50km south Pakse, near Ban Phatoumphone

**H o l o t y p e** ♂ (NMW): „S-LAOS: Prov. Champasak \ ca. 50km S Pakse \ Umg. Ban Phatoumphone \ 23./24.5.1996, 50-100m \ leg. Schillhammer (1a)“ collected at light.  
**P a r a t y p e s :** 3♂♂, 2♀♀, with same data as the holotype (NMW, FMNH, CWW).

\* Contribution to the study of Dytiscidae 68.

Description: Habitus: body regularly oblong-oval, globular (fig. 1).

Length of body: 2.2 - 2.3 mm, width: 1.5 - 1.6 mm.

Head: dark ferruginous; clypeus not bordered, straightened medially; punctures regular and dense, moderately fine; completely but finely microreticulate. Antennae testaceous, long and slender.

Pronotum: dark ferruginous, indistinctly pale ferruginous along the lateral margins; lateral margins finely bordered, sides slightly but regularly rounded; punctures regular, very dense and moderately coarse; microreticulation complete and moderately fine; submat.

Elytra: dark ferruginous with two indistinctly paler spots near the lateral side, one anteriorly and one posteriorly of the middle, somewhat paler at the apex (fig.: 1); punctures regular, very dense and moderately coarse; longitudinal rows of punctures rudimentary; indistinctly microreticulate; submat. Epipleura dark ferruginous, very densely and finely punctured.

Ventral side: dark ferruginous; punctures on thorax very dense and moderately coarse; on abdomen dense and fine; microreticulation indistinct.

Legs: rufo-testaceous. Metatibial spurs not modified, almost straight and slender.

Male: penis (fig. 3); parameres (fig. 5); first segments of pro- and mesotarsi moderately enlarged; metatrochanter and metafemur with sparse hair-tufts along the posterior edge.

Female: sclerotized spermatheca not found.

Diagnosis: *A. confusus* very much resembles *A. densus* (fig. 2, 4) but can be distinguished by the narrower bodyform, the darker colouration of head and pronotum, smaller elytral markings, the shape of the penis and the sparser male hair-tufts on metatrochanter and metafemur. *A. laccophilooides* is distinguishable from *A. confusus* by modified metatibial spurs, more extended pale brown spots on elytra and the male genitalia.

Biology: unknown; the new species has been collected at light together with specimens of *A. densus*.

Distribution: South-Laos.

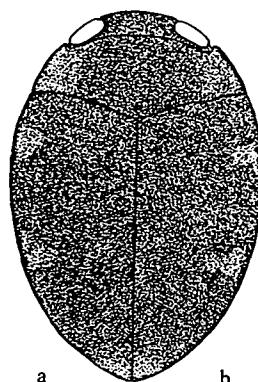
## References

BISTRÖM O., NILSSON A. & G. WEWALKA (1997): A Systematic Review of the Tribe Hyhydrini SHARP and Pachydrini n.trib. (Col., Dytiscidae). — Entomol. Fennica 8: 57-81.

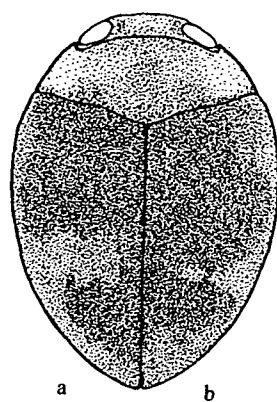
Authors addresses:

Dr. Günther WEWALKA,  
Starkfriedgasse 16, 1190 Wien, Austria.

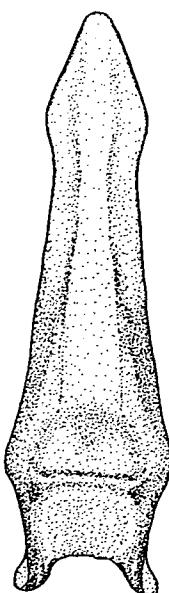
Dr. Olof BISTRÖM,  
Finnish Museum of National History,  
PB 17, FIN - 00014 University of Helsinki, Finnland.



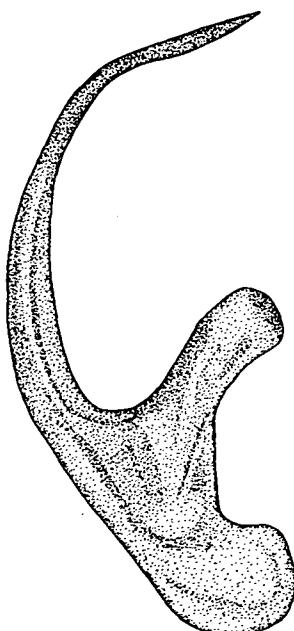
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2



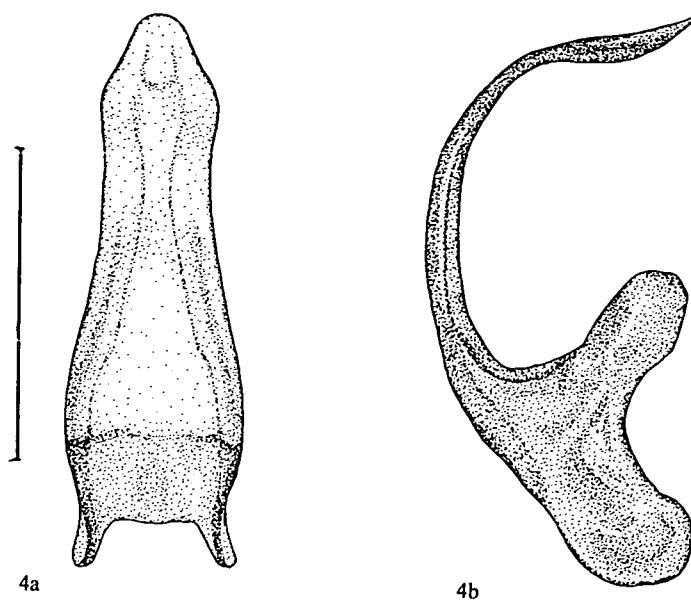
3a



3b

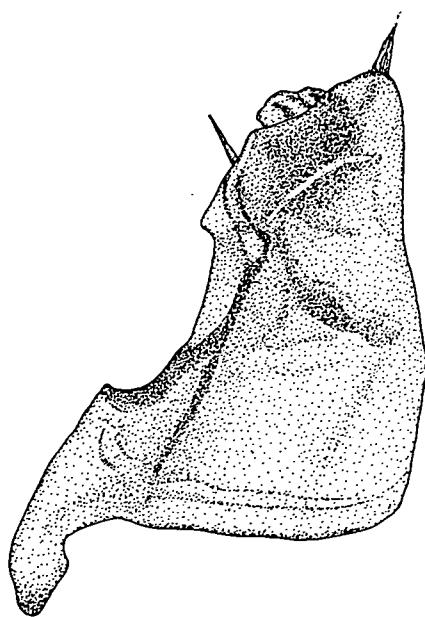
Figs. 1-2: body outlines and colour pattern: 1 *A. confusus*, (a) holotype, (b) paratype 2 *A. densus*, (a) paratype, (b) holotype (Maßstab 2 mm); Fig. 3: *A. confusus* penis, (a) dorsal view, (b) lateral view

854



4a

4b



5

**Fig. 4:** *A. densus* penis (a) dorsal view, (b) lateral view (Maßstab 0,25 mm); **Fig. 5:** *A. confusus*, left paramere..

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Autor(en)/Author(s): Wewalka Günther, Biström Olof

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