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Two new species of the genus *Anemadus* Reitter, 1885, from the Near East (Coleoptera: Cholevidae)

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Abstract

Two new species of *Anemadus* from the Near East are described and illustrated. *Anemadus lucarellii* sp. nov., from South-Western Anatolia, belongs to the *Anemadus pellitus* species-group (sensu Giachino & Vailati, 1993) and *Anemadus kadleci* sp. nov., from North-Western Syria, belongs to the *Anemadus strigosus* species-group (sensu Giachino & Vailati, 1993). The description of these new species markedly increases the knowledge of the distribution of this genus in the Near East.

Key words: Coleoptera, Cholevidae, Anemadinae, *Anemadus lucarellii* sp. nov., *Anemadus kadleci* sp. nov., taxonomy, zoogeography

Introduction

Cholevidae, a group now considered by many authors a subfamily of the Leiodidae (Newton, 1998; Peck, 1998; Perreau, 2000), are Staphylinoidea beetles of small to medium size (between 0.8 and 6 mm in most cases). In this paper the authors used the systematic proposed by Jeannel (1936) and discussed by Giachino & Peck (1998), who regarded Cholevidae (under the name of Catopidae in Jeannel) as a family. Within the subfamily Anemadinae Hatch, 1928, the genus *Anemadus* Reitter, 1885, with 39 species actually known, is one of the largest in terms of number of species in the world.

Following Giachino & Vailati's (1993) review of the world Anemadinae, Perreau (1996a, 1996b, 2002, 2004, 2009) and Růžička (1999) further contributed to the knowledge of the genus *Anemadus* in Asia, by describing nine new species: *A. taiwanus* Perreau, 1996 (Taiwan), *A. wolongianus* Perreau, 1996 (China: Sichuan), *A. nipponensis* Perreau, 1996 (Japan, Honshū), *A. smetanai* Růžička, 1999 (China: Yunnan), *A. schuelkei* Perreau, 2002 (China: Shaanxi), *A. ruzickai* Perreau, 2002 (China: Sichuan), *A. hubeiensis* Perreau, 2004 (China: Hubei), *A. weigeli* Perreau, 2004 (Nepal) and *A. kabaki* Perreau, 2009. (China: Sichuan). As regards the species of *Anemadus* from the Mediterranean area, only *A. whiteheadi* Giachino & Vailati, 2001 from Kefalonia Island (Greece) was described. Finally, the Near Eastern Cholevidae were reviewed by Giachino & Vailati (2000). The scope of this paper is the description of two new *Anemadus* species, respectively from Anatolia and Syria.

Material and methods

Specimens were collected during a biospeleological campaign carried out by one of the authors (L.L.) in Turkey on 24–30 September 1998 (for the collection of *Anemadus lucarellii*), and an entomological campaign carried out by Stanislav Kadlec in May 1998 in Syria (for the collection of *Anemadus kadleci*).

All specimens are preserved dry, and the aedeagi of the holotypes of the two species are permanently mounted on slides in Canada Balsam.