



A revision of the neotropical genus *Ocyolinus* (Coleoptera: Staphylinidae: Staphylinini)

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³Deceased, 27 December 2005. Prior to his death, J. S. Ashe had recognized most of the species described here as new and prepared preliminary pencil drawings of the male genitalia. Owing to his intellectual contribution for this paper, J. S. Ashe is retained as a co-author

Abstract

The Staphylinini genus *Ocyolinus* Sharp, 1884 is revised. Three species are described as new, *O. astenos* Chatzimanolis & Ashe **sp. n.**, *O. dimoui* Chatzimanolis & Ashe **sp. n.** and *O. nebulosus* Chatzimanolis & Ashe **sp. n.**, all from Panama. A lectotype is designated for *O. rugatus* Sharp, 1884 and *O. vulneratus* Bernhauer, 1906. *Ocyolinus vulneratus* Bernhauer is placed in synonymy with *O. rugatus* Sharp. Distribution maps, an identification key and illustrations of structural features are provided.

Key words: Xanthopygina, Staphyliniformia, identification key, taxonomy, lectotype

Introduction

The rove beetle tribe Staphylinini has a world wide distribution and includes more than 5500 described species in nine subtribes (Newton, unpublished database). One of these, the subtribe Xanthopygina has been lately the focus of many species-level revisions (*Algon* Sharp, 1874: Schillhammer 2006; *Elmas* Blackwelder, 1952: Ashe & Chatzimanolis 2003; *Isanopus* Sharp, 1876: Chatzimanolis 2008; *Nordus* Blackwelder, 1952: Chatzimanolis 2004; *Philothalpus* Kraatz, 1857: Chatzimanolis & Ashe 2005) during the last few years, despite being not monophyletic (Solodovnikov & Schomann 2009) as currently defined (Herman 2001). Chatzimanolis (2008) hypothesized that a core-group of strictly Neotropical Xanthopygina genera, similar to the one originally defined by Sharp (1884) as the ‘group’ Xanthopygina, might form a monophyletic group. This hypothesis is currently being tested with an extensive phylogenetic analysis of the tribe Staphylinini (Solodovnikov *et al.*, in preparation) that incorporates data from morphology, DNA and fossils.

The genus *Ocyolinus* was described by Sharp in 1884 and was one of the genera originally included by Sharp (1884) in the ‘group’ Xanthopygina. The genus included two species, *O. rugatus* Sharp, 1884 from Venezuela and *O. amethystinus* Sharp, 1884 from Costa Rica. Later, Bernhauer (1906) described two more species, *O. vulneratus* Bernhauer, 1906 and *O. ganglbaueri* Bernhauer, 1906, both from Venezuela.

The type designation for *Ocyolinus* is somewhat complicated: Herman (2001: 3582) in his catalogue used the terms ‘virtual monotypy and direct implication’ to indicate that the type species of the genus is *O. rugatus*. Blackwelder (1952: 14) used the phrase ‘virtual monotypy’ to refer to genera that even though appeared to originally include more than one species, upon careful examination of the text actually included only one species (Herman, personal communication). Sharp (1884: 363) stated about *O. amethystinus* that ‘it appears to be quite congeneric...’ and thus seemed to express doubt over the inclusion of *O. amethystinus* in *Ocyolinus*.