

More comments on *Amphyginus* Haliday, 1841 (Coleoptera, Carabidae, *Calathus*)

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In a recent note Alonso-Zarazaga (2006) stated correctly that *Amphyginus* Haliday, 1843 has been misspelt in both the Iberian (Serrano, 2003) and the Palearctic (Hovorka & Sciaky, 2003) catalogues of Carabidae. Serrano wrongly used *Amphigynus* following the criterion of Lorenz (1998), but curiously this last author corrected himself in the second edition of his *Nomina Carabidarum* (Lorenz, 2005) and spelt *Amphyginus* correctly. It is therefore to be expected that the second edition of the Palearctic catalogue will also rectify the error so that all these works will become correct sources for this correct name.

Amphyginus is a taxon erected on the basis of a probable autapomorphy for the genus *Calathus*, the lack of male dilated protarsomeres shown by a single species, *C. rotundicollis* Dejean, 1828. Its validity was accepted by Lindroth (1974), Freude (1976) and Hovorka & Sciaky (2003) among other authors, but not by Jeannel (1941) and authors that published catalogues of the Iberian fauna (Zaballos & Jeanne, 1994; Serrano, 2003) or revised the Iberian taxa (Gañán & Novoa, 2005). In these last two papers *Amphyginus* was synonymized with *Neocalathus* Ball & Nègre, an incorrect decision because *Amphyginus* clearly has precedence (Alonso-Zarazaga, 2006). The recent molecular study of Ruiz & Serrano (2006) on the genus *Calathus* has clarified the controversy as *Amphyginus* seems to be a valid taxon well differentiated from *Neocalathus*. It is related to the *depressus*-group inhabiting Tenerife and appears more distantly related to the *melanocephalus* species-group of *Neocalathus*.

The molecular study has also shown that *Amphyginus* includes only the type species *C. rotundicollis* Dejean, 1828. The recent Palearctic catalogue mentioned above includes the Iberian species *C. rotundatus* Jacquelin du Val, 1857 in this subgenus, but the supposed close relatedness between both species is not warranted on molecular grounds (Ruiz & Serrano, 2006). Furthermore, Toribio (2006) has created the monobasic subge-

nus *Iberocalathus* to include *C. rotundatus* on a morphological and geographic basis. Hence, this new subgenus should be included in future editions of the catalogues mentioned above.

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