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Annotated checklist of the *Blennidus* subgenus *Agraphoderus* species from Peru with description of *B. bombonensis* n. sp. and synonymic notes (Coleoptera: Carabidae: Pterostichinae)

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Abstract

Forty species belonging to the subgenus *Agraphoderus* of *Blennidus* have been recorded so far from Peru. An annotated checklist is provided with information about their type locality, distribution and habitat. The nomenclature of each species is also provided, together with some notes on their systematic status. *Blennidus bombonensis* **n. sp.** from Cerro de Pasco is described; *Blennidus pseudangularis* **nomen novum** for *Ogmopleura angularis* Straneo, 1993 (nec Straneo, 1985) is proposed and the following synonymies are stated: *Blennidus pseudangularis* Allegro & Giachino, **nomen novum** = *Blennidus rectangulus* (Straneo, 1993) **syn. nov.**; *Ogmopleura minor* Straneo, 1993 = *Blennidus rectangulus* (Straneo, 1993) **syn. nov.** Type specimens of most species are illustrated, as well as male genitalia. Finally, a revised key to all the *Agraphoderus* species from Peru is provided.

Key words: taxonomy, neotropical fauna, distribution, habitat, identification key

Introduction

The genus *Blennidus* Motschulsky, 1866 (Pterostichini, Eucroina) currently includes 133 species restricted to South America, distributed mainly in the Andean Region, from Northern Colombia to Chile (Lorenz 2005a; Allegro & Giachino 2011a). They generally share a rather uniform ‘harpaloid’ habitus, with stumpy, convex body and short appendages (Straneo 1993), as well as the common feature of the enlarged basal half of aedeagus, just above the attachment of parameres. Their habitat and altitudinal distribution are very similar too, as they mainly inhabit high altitude Andean grasslands at 3,300–4,800 m a.s.l. (Fig. 1).

The systematic arrangement of this genus is still unclear. The species that are treated herein were formerly attributed to the genus *Ogmopleura* Tschitschérine, 1899, which was definitely stated as a synonym of *Blennidus* by Moret (2005). Moreover, Moret (1995, 1996) considered as inconsistent the subdivision of the genus *Blennidus* into different subgenera, due to the variability of the characters that support their separation, in particular the presence/absence of a transverse sulcus on the abdominal sterna IV–VI. This view-point was accepted by Lorenz (2005a). At the same time, Moret (1995) recognized within the Ecuadorian *Blennidus* the presence of ‘species groups’, which can be distinguished by their very similar aedeagal morphology; the species included in each group are probably close relatives and generally are distributed in clearly delimited Andean areas. The same systematic approach was adopted by Allegro and Giachino (2011a, 2011b), who revised two ‘species groups’ of Peruvian *Blennidus*. Later, Moret (2005) recognized three ‘convenience subgenera’ (*Blennidus* s. str., *Sierrobis* Straneo, 1951 and *Agraphoderus* Bates, 1891) and described a new one (*Jasinskiellus* Moret, 2005) in order to keep the lineages of some well characterized species separate, even though he stated that these taxa lack any phyletic value. We agree with Moret (1995) on the inconsistency of the characters basing the subdivision into four subgenera, but