INTRODUCTION

The Evaniomorph family Aulacidae comprises 243 extant species belonging to two genera (Turrisi et al., 2009), Aulacus Jurine, 1807, with 77 species, and Pristaulacus Kieffer, 1900 (including the former Panaulix Benoit, 1984), with 166 species. Both genera are represented in all zoogeographic regions, except Antarctica, and Aulacus not known from Afrotropics (Kieffer, 1912; Hedicke, 1939; Smith, 2001; Turrisi, 2004; Turrisi et al., 2009). In the Palaearctic, 32 species have been recorded so far, 7 Aulacus and 25 Pristaulacus (Turrisi, 2007, 2011; Turrisi et al., 2009; Turrisi & Konishi, 2011; Turrisi & Watanabe, 2011), of which only four presently recorded from Iberian Peninsula (Turrisi, 2007).

Aulacids are parasitoids of wood-boring Hymenoptera (Xiphydriidae) and especially Coleoptera (mostly Cerambycidae and Buprestidae) employing a koinobiont endophagous strategy (Skinner & Thompson, 1960; Deyrup, 1984; Jennings & Austin, 2004). Due to this particular biology, aulacids are not easily observed in their natural habitats and they are not frequently collected by most of the usual collecting methods. As consequence, many species are known from a few specimens or only one.

The present note deals with the record of an interesting Pristaulacus-species which has been resulted new to Iberian Peninsula.

PRISTAULACUS BARBEOY (FERRIÈRE, 1933), NEW TO IBERIAN PENINSULA
(Hymenoptera Aulacidae)

Riassunto: Pristaulacus barbeyi (Ferrière, 1933), nuovo per la Penisola Iberica (Hymenoptera Aulacidae).
Viene riportata per la prima volta la presenza di Pristaulacus barbeyi (Ferrière, 1933) nella Penisola Iberica sulla base di un esemplare raccolto nel Nord della Spagna (Asturias, Castanedo del Monte), conservato presso il Natural History Museum, London.

Abstract: The occurrence of Pristaulacus barbeyi (Ferrière, 1933) in Iberian Peninsula is reported for the first time on the basis of one female specimen collected in North Spain (Asturias, Castanedo del Monte), stored in the Natural History Museum, London.

Resumen: Pristaulacus barbeyi (Ferrière, 1933), nuevo para la Península Iberica (Hymenoptera Aulacidae).
Se cita por primera vez la presencia de Pristaulacus barbeyi (Ferrière, 1933) en la PENíNSula Iberica, en base al estudio de una hembra capturada en norte de España (Asturias, Castanedo del Monte) y depositada en el Natural History Museum, London.

Key words: Hymenoptera, Aulacidae, Pristaulacus barbeyi, Iberian Peninsula, first record.


The locality mentioned in the original label must be correctly intended as Castanedo del Monte, in Asturias, North Spain, about 500 m a.s.l.

IDENTIFICATION. For detailed descriptions of Pristaulacus barbeyi see Ferrière (1933) and Turrisi (2007). It is a small to medium sized Pristaulacus-species, with length of the body (excluding ovipositor for ♀) of 6.7-11.8 mm and fore wing length of 5.1-8.1 mm; the ovipositor length is 1.3 x fore wing length in the holotype, but it is variable among the specimens from Turkey (Turrisi, 2007). It is readily distinguished by the narrow occipital carina, the shape of the lateroventral margin of pronotum, rounded and without tooth-like processes (Fig. 5), the inner margin of the tarsal claw bearing two tooth-like processes (Fig. 6), and the short and stocky petiole (Fig. 5). Among the Palaearctic Pristaulacus it is most similar to the Eastern Palaearctic P. kostylevi (Alekseyev, 1986), but it could.
Figs. 1-7. *Pristaulacus barbeyi* (Ferrière, 1933) ♀ from Spain (Asturias, Castanedo del Monte) preserved in the Natural History Museum, London. 1, Habitus, lateral view; 2, head dorsal view; 3, head frontal view; 4, head lateral view; 5, mesosoma, lateral view; 6, tarsal claw (the numbers indicate the two tooth-like processes on inner margin); 7, wings.
be distinguished by the shape and sculpture of the head (Figs. 2-4), the rounded anterior margin of the mesoscutum (Fig. 5) (acute, lamelliform and upwards directed in *P. kostylevi*), and the shape of the hind coxa (Turrisi, 2007).

**DISTRIBUTION.** Algeria, Morocco, Greece, Turkey (Ferrière, 1933; Turrisi, 2007). New to Iberian Peninsula.

**REMARKS.** According to Ferrière (1933) the type material consists of four specimens, 2♀ and 2♂, all collected in Algerie (Babor), of which the holotype ♀ and one paratype ♂ are preserved in the Muséum d'Histoire Naturelle de Paris (France), both examined and revised by Turrisi (2007); the other two paratypes were not located by Ferrière (1933), but presumably they were kept in the collection of M.A. Barbey. It was previously known from only type locality, and recently recorded for Morocco, Europe (Greece), and Turkey (Turrisi, 2007). Based upon the present new record from Iberian Peninsula, this species shows a distribution covering the Southern Mediterranean area, although scattered and based on a relatively few records.

Very little is known about the biology of this species: the type specimens were obtained from wood of *Abies numidica* De Lamoy ex Carrière (Pinaceae) together with an unidentified Coleoptera Buprestidae (Ferrière, 1933), whereas the Turkish specimens were obtained together with its potential host, *Phaenops knoteki* Reitter, 1898 (Coleoptera: Buprestidae) (Turrisi, 2007).

Based upon the present new record, the family Aulacidae in the Iberian Peninsula (including Canary Islands) is represented by a total of five species, all included within the genus *Pristaulacus*, the other previously recorded species being: *P. compressus* (Spinola, 1808), *P. galitae* (Gribodo, 1879), *P. patrati* (Audinet-Serville, 1833) and *P. proximus* Kieffer, 1906. However, the identity of the latter species is uncertain and still requires further investigations (type material not located, see Turrisi, 2007). The identification of the Iberian species of Aulacidae can be done using the key proposed by Turrisi (2007), more recently updated by Turrisi (2011).

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