Acanthaphodius bruchi A. SCHMIDT, 1909, femina nondum cognita (Coleoptera: Scarabaeidae: Aphodiinae)

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Among unidentified Aphodiinae material preserved in the collection of the Canadian Museum of Nature, Ottawa (Canada) we had the chance to find several specimens of Acanthaphodius bruchi A. SCHMIDT, 1909 (Fig. 1), represented by both sexes. As far as we know the female is still unknown, so we take the opportunity to check up its dimorphic characters.

The genus Acanthaphodius (type species: Acanthaphodius bruchi A. SCHMIDT, 1909, by monotypy) is easily distinguishable from the other Aphodiinae genera by the following characters found in both sexes:

- fore tibia with two distal teeth at outer margin and third tooth perpendicular to front margin; terminal spur lacking, tarsus located at inner angle of tibia
- metasternum relatively long; fourth abdominal sternite strongly narrowed at middle, 2-3 times narrower than fifth sternite
- pronotal sides with slight oblique swellings

The sexual dimorphism is exceptionally accentuate. The sexes show the following peculiar characters:
Male: head and pronotum relatively more sparsely and less coarsely punctured than in female, pronotum transverse, less convex, feebly explanate near anterior angles; metasternal plate deeply excavate and rather sparsely punctured; posterior margin of hind femur with horn-shaped, elongate, apically globose process (Fig. 2).

Female: head and pronotum relatively more densely and more coarsely punctured than in male; pronotum subquadrate, strongly convex, not explanate near anterior angles; metasternal plate nearly flat, rather densely punctured; posterior margin of hind femur without horn-shaped process (Fig. 3).

Material examined

Argentina

1 male: Río Negro (type) (Museo Argentino de Ciencias Naturales, Buenos Aires)

Chile

1 male, 1 female: 2.5 km SSW of Pto Fui, L. Pirehueico, 670 m, 39° 54′ S, 71° 54′ W, 28. XI. 1987, leg. Ashworth & Fuglseth & Maliske (Dellacasa Collection, Genoa)


Figs 1-3. Acanthaphodius bruchi A. SCHMIDT: 1 – habitus of male (length 4 mm; Chile: Cautin, 21 km NE Pucon, Lago Caburga); 2 – right hind femur of male (ventral view); 3 – idem, female.
REFERENCES


Material examined

Argentina

e: 1 male Río Negro (type) Museo Argentino de Ciencias Naturales, Buenos Aires

P: 1 male; Lagor Laura Pinto Martin de los Andes, Prov. Neuquén, 31 XII, 1997 (Museum of Natural History, Washington)

Chile

1 male, 1 female; 1.5 km SSW of Pu. Pum L, Pichincha Prov., 1700 m, 39° 34' 8" S, 71° 54' 26" W, 28 XI, 1997 (Am. Ethnol. & Polyn. M. J. R. St. Lucia; Cornell Museum of Entomology, Ithaca)

1 female, 1 male La Pinta Pte, Prov. Santiago, 1967 (Am. Ent. Inst. Museum, St. Louis)