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Review of the genus *Ammobatoides* Radoszkowski, 1867 (Hymenoptera: Apidae, Nomadinae) from Russia and neighbouring countries

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Abstract

Three species of *Ammobatoides* are reviewed. One new species, *Ammobatoides radoszkowskii* sp. nov. (Russia and North China) is described and illustrated. A male lectotype is designated for *Paidia melectoides* Radoszkowski, 1872. One new subjective synonym is established: *Ammobatoides scriptus* (Gerstaecker, 1869) = *Paidia melectoides* Radoszkowski, 1872, syn. nov. A key to species for both sexes is given.

Key words: taxonomy, lectotypification, bees, new species, Palaearctic

Introduction

The tribe Ammobatoidini Michener, 1944 includes four genera: *Aethammobates* Baker, 1994 (one species, Egypt), *Holcopasites* Ashmead, 1899 (16 species, Canada, USA, Mexico), *Schmiedeknechtia* Friese, 1896 (five species, Algeria, Tunisia, Spain east to Turkey and Uzbekistan), and *Ammobatoides* Radoszkowski, 1867 (eight species including one new species, see below) (Michener 2007).

The genus *Ammobatoides* contains the largest pasitiform bees (body form of *Pasites* Jurine): the body length is 10–14 mm. Unlike other Ammobatoidini, there are no median bands of pale pubescence on the metasomal terga, but only apical bands, frequently reduced and evident only laterally. The eyes of the male, converging upward and at most two ocellar diameters from the lateral ocelli, are unique in the Nomadinae (Michener 2007). The hosts of *Ammobatoides* are *Melitturga* Latreille, 1809 and *Meliturgula* Friese, 1903 (Andrenidae: Panurginae) (Bischoff 1923b, Popov 1934, Warncke 1982, Rozen 2001).

In 1867 Radoszkowski described the genus *Ammobatoides* to include two species: *Phileremus abdominalis* Eversmann, 1852 and *Ph. melectoides* Smith, 1854, but the type species for the genus was not designated. Radoszkowski (1872c) thought that *Ammobatoides* Schenck had been described in the same year ("La même année 1867–68 ...", actually 1869, see Michener 1986) as Radoszkowski's *Ammobatoides* ("1867–1868", actually 1867, see Kerzhner 1984) and proposed the new replacement name *Paidia* Radoszkowski, 1872 for *Ammobatoides* Radoszkowski, 1867 (Radoszkowski 1872a,b,c). According to the Principle of Priority (ICZN 1999, Art. 23), Sandhouse (1943) resurrected *Ammobatoides* Radoszkowski, 1867 and designated the type species *Phileremus abdominalis* Eversmann, 1852. This action was accepted by Michener (1997, 2000, 2007).

The generic name *Paidia* was proposed as replacement name (Radoszkowski 1872a,b). Later Radoszkowski (1872c) provided *Paidia* by unnecessary description and included two species: *Phileremus abdominalis* Eversmann 1852 and *Paidia melectoides* Radoszkowski 1872 ("Kiakhta [Transbaicalia], Grenade, Algérie"). Based on the study of the maxillary palps, Radoszkowski (1872c) did not include *Phileremus melectoides* Smith, 1854 ("Albania") in *Paidia* [currently this species belongs to the genus *Ammobates* Latreille, 1809 (Popov 1951)]. The specimens from Kiakhta, previously misidentified by Radoszkowski (1867) as *Phileremus melectoides* Smith, and specimens from Spain and Algeria were included by Radoszkowski in his new species *Paidia melectoides* Radoszkowski, 1872 (published 31.XII 1872), but Radoszkowski regarded the date of his misidentification of

***Ammobatooides rubescens* (Bischoff, 1923)**

Phiarus rubescens Bischoff 1923a: 294, ♂ (type locality: “Smyrna” [Izmir, Turkey] [ZMHB]).

Distribution. Turkey (Warncke 1982).

Hosts. Unknown.

Remarks. Female unknown.

***Ammobatooides schachtii* Schwarz, 1988**

Ammobatooides schachtii Schwarz 1988: 225, ♂ (holotype—♂, 10 km E Kasserine, Tunisia, 10.5.1973, J. Gussenleitner [coll. M. Schwarz, Ansfelden, Austria]).

Distribution. Tunisia, Morocco (Schwarz 1988).

Hosts. Unknown.

Remarks. Female unknown.

***Ammobatooides braunsi* Bischoff, 1923**

Ammobatooides braunsi Bischoff 1923b: 602, ♀ (holotype—♀, “Willowmore” [South Africa], 25.XI.1916, Brauns [Transvaal Museum of Natural History, Pretoria, South Africa]).

Distribution. South Africa (Cape Province) (Bischoff 1923b).

Hosts. *Meliturgula capensis* Friese (Bischoff 1923b).

Remarks. Male unknown.

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