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A revision of Western Palaearctic *Medon*. VI. A new species from Turkey and additional records (Coleoptera: Staphylinidae: Paederinae)

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A b s t r a c t : *Medon meybohmi* nov.sp. (Turkey: Adana province) of the *M. fuscus* group is described and illustrated. Additional records of Western Palaearctic *Medon* species are reported.

K e y w o r d s : Coleoptera, Staphylinidae, Paederinae, *Medon*, Western Palaearctic region, Turkey, taxonomy, new species, new records.

Introduction

According to recent revisions and three supplements, the genus *Medon* STEPHENS is represented in the Western Palaearctic region by 55 species and subspecies, plus five nomina dubia (ASSING 2007b and references therein). A synonymic catalogue was provided by ASSING (2005).

In the Western Palaearctic, the country with the highest diversity of *Medon* species is Turkey; so far, as many as 18 species have been recorded from Turkish territory (ASSING 2004a, 2005, 2007a, 2007b).

Since the latest supplement, more material has been examined from various collections, including a new species from Turkey and several additional records of zoogeographic interest. Another evidently undescribed species seen from Turkey is not described, as it is represented only by one female.

Material, methods, and measurements

The material referred to in this study is deposited in the following public institutions and private collections:

HMIM Hayk Mirzayans Insect Museum, Tehran (S. Serri)
MNCN Museo Nacional de Ciencias Naturales, Madrid (I. Izquierdo)
NHMW Naturhistorisches Museum Wien (H. Schillhammer)
cAnl..... private collection S. Anlaş, Turgutlu

cAss..... author's private collection

cGia..... private collection P. M. Giachino, Torino

cShm private collection L. Schmidt, Hannover

cVav private collection J. Vávra, Ostrava-Krásné Pole

The morphological studies were carried out using a Stemi SV 11 microscope (Zeiss Germany) and a Jenalab compound microscope (Carl Zeiss Jena). For the photographs a digital camera (Nikon Coolpix 995) was used.

Head length was measured from the anterior margin of the clypeus to the posterior margin of the head, elytral length at suture from the apex of the scutellum to the posterior margin of the elytra.

Species description and additional records

Medon maronitus (SAULCY 1864)

A d d i t i o n a l m a t e r i a l e x a m i n e d : Russian Federation: 2 exs., Daghestan, "Samurwald", leg. Franz (NHMW, cAss).

C o m m e n t : For a map illustrating the distribution of this widespread species see ASSING (2004a).

Medon seleucus BORDONI 1975

A d d i t i o n a l m a t e r i a l e x a m i n e d : Turkey: O s m a n i y e : 1 ex., N Bahce, Bekdemir, 37°15'N, 36°36'E, 900 m, 21.IV.2007, leg. Brachat & Meybohm (cAss); 2 exs., 7 km E Erzin, 36°58'N, 36°16'E, 600-650 m, 4.V.2007, leg. Brachat & Meybohm (cAss); 6 exs., Erzin-Zorkun, 36°58'N, 36°17'E, 550 m, 4.V.2007, leg. Brachat & Meybohm (cAss); 1 ex., Erzin-Zorkun, 36°59'N, 36°18'E, 960 m, 5.V.2007, leg. Brachat & Meybohm (cAss); 7 exs., Erzin-Zorkun, 36°59'N, 36°18'E, 930 m, 5.V.2007, leg. Brachat & Meybohm (cAss); 1 ex., Erzin-Zorkun, 36°58'N, 36°17'E, 680 m, 5.V.2007, leg. Brachat & Meybohm (cAss).

C o m m e n t : The distribution of this species is confined to Osmaniye and Antakya provinces, central southern Anatolia (ASSING 2004a, 2004b, 2005).

Medon ferrugineus (ERICHSON 1837)

A d d i t i o n a l m a t e r i a l e x a m i n e d : Turkey: 1 ex., Mus, Buğlan Geçidi, 1600 m, 16.V.2005, leg. Vávra (cVav).

C o m m e n t : For a map illustrating the Ponto-Mediterranean distribution of this species see ASSING (2004a).

Medon cauchoisi JARRIGE 1949

A d d i t i o n a l m a t e r i a l e x a m i n e d : Spain: 1 ex., Murcia, Sierra de Espuña, 37°53'N, 01°33'W, 1060 m, pine forest with *Quercus ilex*, 29.III.2007, leg. Assing (cAss).

C o m m e n t : The Atlanto-Mediterranean distribution of this species is illustrated by ASSING (2006).

***Medon semiobscurus* (FAUVEL 1875)**

A d d i t i o n a l m a t e r i a l e x a m i n e d : Greece: 3 exs., Rhodos, Malona, 25.X.1998, leg. Giachino (cGia). Turkey: 1 ex., Adana, Kozan-Feke, 25 km from Kozan, 37°41'N, 35°51'E, 775 m, 25.IV.2007, leg. Brachat & Meybohm (cAss); 2 exs., Kahramanmaraş, Cimen Dağı, Büyüksir, 37°29'N, 36°38'E, 750-800 m, 22.IV.2007, leg. Brachat & Meybohm (cAss); 3 exs., Osmaniye, 7 km E Erzin, 36°58'N, 36°16'E, 600-650 m, 4.V.2007, leg. Brachat & Meybohm (cAss); 3 exs., Osmaniye, Erzin-Zorkun, 36°59'N, 36°18'E, 930 m, 5.V.2007, leg. Brachat & Meybohm (cAss).

C o m m e n t : For a map illustrating the distribution of this common Eastern Mediterranean species see ASSING (2004a).

***Medon rufiventris* (NORDMANN 1837)**

A d d i t i o n a l m a t e r i a l e x a m i n e d : Germany: 1 ex., Niedersachsen, Landkreis Helmstedt, Lehre, Kampstüh, oak forest, pitfall trap, 4.V.-1.VI.2006, leg. Schmidt (cShm).

C o m m e n t : Only few records of this widespread, but rare species have become known from Germany (ASSING 2006).

***Medon dilutus cephalus* KOCH 1938**

A d d i t i o n a l m a t e r i a l e x a m i n e d : Spain: 1 ex., Valencia, Júcar, Carcagente [39°08'N, 0°27'W], Cava Maravillas, 11.I.1919, leg. Bolivar (MNCN).

C o m m e n t : The Atlanto-Mediterranean distribution of this subspecies is illustrated by ASSING (2006).

***Medon dilutus pythonissa* (SAULCY 1864)**

A d d i t i o n a l m a t e r i a l e x a m i n e d : Turkey: 1 ex., Kahramanmaraş, 25 km SW Kahramanmaraş, Yeşilyöre, 37°26'N, 36°45'E, 800 m 23.IV.2007, leg. Meybohm & Brachat (cAss).

C o m m e n t : This subspecies is common and widespread in the Eastern Mediterranean region; for maps illustrating its distribution see ASSING (2004a, 2006).

***Medon procerus* (PEREZ ARCAS 1874)**

A d d i t i o n a l m a t e r i a l e x a m i n e d : Spain: 1 ex., Madrid, Cueva del Canal, leg. Uhagon (MNCN); 1 ex., Cueva del Canal, 15.XI.1871 (MNCN); 2 exs., Madrid (MNCN, cAss).

C o m m e n t : The known distribution of this troglobite is confined to some caves in the region north of Madrid (ASSING 2006).

***Medon ripicola* (KRAATZ 1854)**

A d d i t i o n a l m a t e r i a l e x a m i n e d : Tunisia: 1 ex., Aïn Draham, leg. Franz (cAss). Morocco: 1 ex., Haut Atlas, Oukaïmeden, leg. Franz (NHMW).

C o m m e n t : A recent map illustrating the expansive Atlanto-Mediterranean distribution of this species is provided by ASSING (2006).

***Medon fuscus* (MANNERHEIM 1830)**

A d d i t i o n a l m a t e r i a l e x a m i n e d : Turkey: 2 exs., Istanbul, Durusu env., 2.VI.1996, leg. Vávra (cVav); 1 ex., Mardin, 3 km NW Yeşilli, Anzep Ç., 7.IV.2007 (cAnI); 3 exs., Osmaniye, Erzin-Zorkun, 36°59'N, 36°18'E, 930 m, 5.V.2007, leg. Brachat & Meybohm (cAss).

C o m m e n t : The expansive Ponto-Mediterranean distribution of this species is illustrated by ASSING (2006).

***Medon lanugo* ASSING 2004**

A d d i t i o n a l m a t e r i a l e x a m i n e d : Turkey: 1 ex., Adana, Kozan-Feke, 25 km from Kozan, 37°41'N, 35°51'E, 775 m, 25.IV.2007, leg. Brachat & Meybohm (cAss); 1 ex., Osmaniye, N Bahce, Bekdemir, 37°16'N, 36°36'E, 1200 m, 21.IV.2007, leg. Brachat & Meybohm (cAss); 1 ex., Osmaniye, Kaypak-Yarpuz, 37°06'N, 36°26'E, 1370 m, 3.V.2007, leg. Brachat & Meybohm (cAss).

C o m m e n t : The known distribution of this species is confined to Anatolia (ASSING 2004a, 2005).

***Medon lindbergi* SCHEERPELTZ 1958**

A d d i t i o n a l m a t e r i a l e x a m i n e d : Turkey: 2 exs., Kahramanmaraş, 40 km SW Kahramanmaraş, W Doluca, 37°23'N, 36°41'E, 1040 m, 30.IV.2007, leg. Brachat & Meybohm (cAss); 1 ex., Osmaniye, Erzin-Zorkun, 36°58'N, 36°17'E, 680 m, 5.V.2007, leg. Brachat & Meybohm (cAss).

C o m m e n t : The distribution of this species is confined to the Middle East from central southern Anatolia to Israel (ASSING 2004a, 2004b, 2005, 2007a).

***Medon fusculoides* COIFFAIT 1969**

A d d i t i o n a l m a t e r i a l e x a m i n e d : Iran: Fars: 1 ex., Darab to Estahban road, 20 km NW Darab, 28°51'N, 54°25'E, 1300 m, 16.IV.2006, leg. Serri & Frisch (HMIM); 4 exs., Darab to Estahban road, 23 km NW Darab, 28°53'N, 54°24'E, 1340 m, 24.IV.2006, leg. Serri & Frisch (HMIM, cAss); 5 exs. [partly teneral], Darab to Estahban road, Ij, 29°03'N, 54°13'E, 1630 m, 24.IV.2006, leg. Serri & Frisch (HMIM, cAss). E a s t A z a r b a i j a n: 11 exs., Kaleybar, Mardanghem, 38°50'N, 56°33'E, 500 m, 10.VIII.2005, leg. Serri & Frisch (HMIM, cAss); 16 exs., Kharvana, Komar, 38°43'N, 46°00'E, 1320 m, 7.VIII.2005, leg. Serri & Frisch (HMIM, cAss).

C o m m e n t : An updated distribution map for this species is provided by ASSING (2007b).

***Medon serriae* ASSING 2007**

A d d i t i o n a l m a t e r i a l e x a m i n e d : Iran: 1 ex., Hormozgan, 9 km SW Hajiabad, 28°15'N, 56°00'E, 820 m, 22.IV.2006, leg. Serri & Frisch (HMIM).

C o m m e n t : The above specimen was collected not far from the type locality of this very recently described species.

***Medon meybohmi* nov.sp.** (Figs 1-7)

H o l o t y p e ♂: N37°40'39, E35°51'07 (13) TR Adana, Kozan-Feke, 775 m, 27 km von Kozan, Brachat & Meybohm, 25.4.2007 / Holotypus ♂ *Medon meybohmi* sp.n. det. V. Assing 2007 (cAss). **P a r a t y p e s**: 1♂, 2♀: same data as holotype (cAss).

D e s c r i p t i o n: 4.2-5.0 mm. Habitus as in Fig. 1. Coloration: Head blackish; pronotum dark brown to blackish brown, with the anterior angles indistinctly paler; elytra reddish brown to dark brown; abdomen dark brown to blackish brown, with the apex reddish brown; legs and antennae dark rufous.

Head weakly oblong; puncturation extremely dense, coarse, areolate, and partly confluent and coriaceous, especially in median dorsal area; interstices reduced to very narrow ridges; eyes moderately small, weakly projecting from contours of head, less than half the length of postocular region in dorsal view; interstices mostly reduced to very narrow ridges (Fig. 2).

Pronotum approximately 1.05 times as wide as long and about 0.95 times as wide as head; puncturation on the whole similar to head, but slightly coarser, less dense, more confluent and coriaceous, and less well-defined (Fig. 2).

Elytra 1.05-1.10 times as long and approximately 1.2 times as wide as pronotum (Fig. 1); puncturation rather fine and dense; interstices shiny, without microsculpture. Legs, antennae, and abdomen of similar morphology as in other species of the *M. fuscus* group.

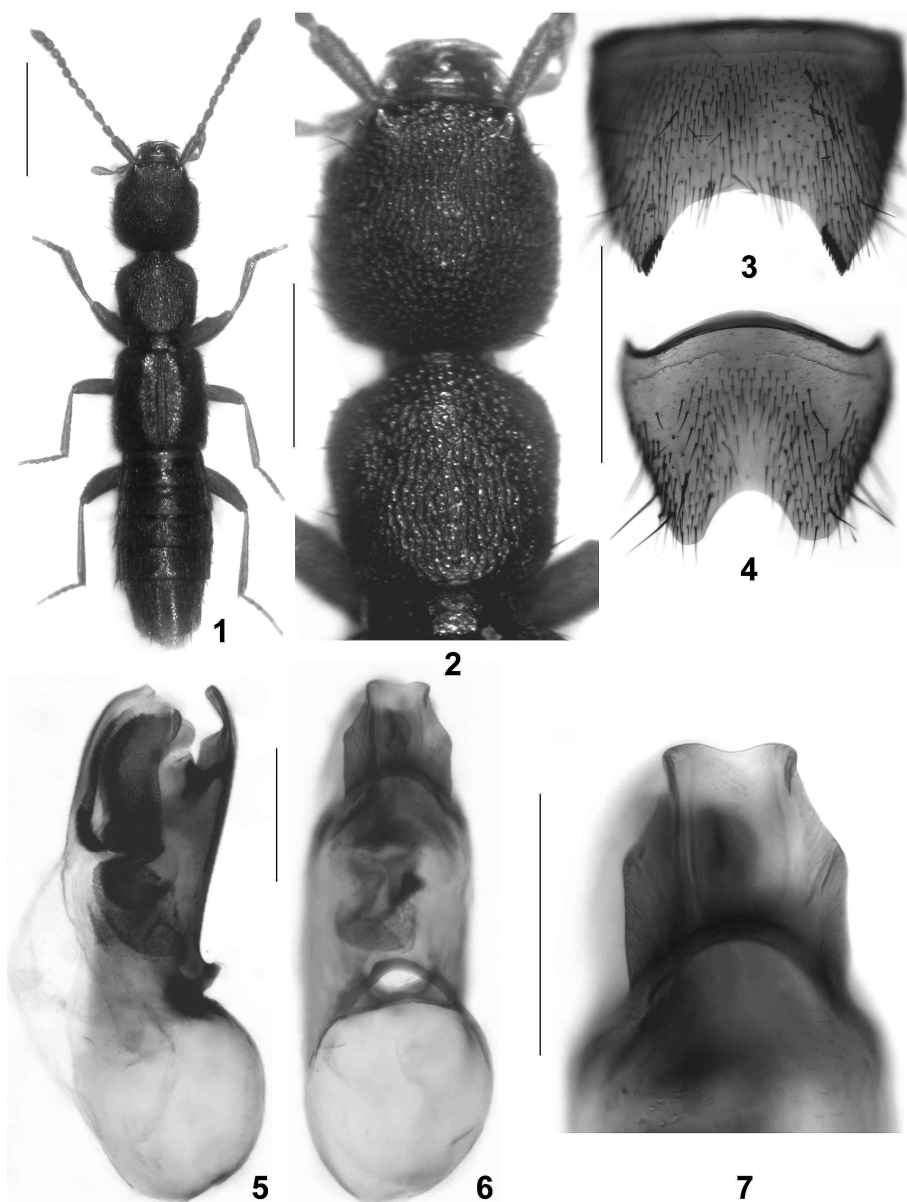
Abdomen approximately as wide as elytra, widest at segments V-VI; puncturation fine and dense; interstices with shallow microsculpture; posterior margin of tergite VII with fine palisade fringe.

♂: posterior excavation of sternite VII deep and of indistinctly trapezoid, almost semi-circular shape, on either side of middle with a cluster of few long thin setae and with a lateral comb of approximately 8 palisade setae (Fig. 3); posterior excision of sternite VIII deep and of semicircular shape (Fig. 4); aedeagus with apex of distinctive shape, apex in lateral view thin and bent dorsad (Figs 5-7).

C o m p a r a t i v e n o t e s: Based on the male primary and secondary sexual characters, the new species belongs to the *M. fuscus* group. From other representatives of this group, *M. meybohmi* is distinguished especially by the shape of the aedeagus, from most species also by the conspicuous puncturation of head and pronotum. For illustrations of the male primary and secondary sexual characters of other species of the *M. fuscus* group see ASSING (2004a, 2005, 2006, 2007b).

E t y m o l o g y: The species is dedicated to Heinrich Meybohm (Großhansdorf), specialist of Scydmaenidae, who has collected the type specimens not only of this species, but also those of numerous other staphylinid novelties.

D i s t r i b u t i o n a n d b i o n o m i c s: The type locality is situated some 25 km north of Kozan, Adana province, central southern Anatolia, at an altitude of 775 m. The fact that this species has not been discovered before, although the northern parts of Adana and adjacent regions have been visited by several coleopterists, partly repeatedly, suggests that the species has a restricted distribution and is either rare or inhabits a cryptic habitat. According to MEYBOHM (pers. comm.), the type specimens were collected by sifting litter of deciduous trees and *Rubus* in a creek valley.



Figs 1-7: *Medon meybohmi* nov.sp.: (1) habitus; (2) head and pronotum; (3) male sternite VII; (4) male sternite VIII; (5-6) aedeagus in lateral and in ventral view; (7) apical part of aedeagus in ventral view. Scale bars: 1: 1.0 mm; 2-4: 0.5 mm; 5-7: 0.2 mm.

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Zusammenfassung

Medon meybohmi nov.sp. (Türkei: Provinz Adana) aus der *M. fuscus*-Gruppe wird beschrieben und abgebildet. Weitere Nachweise westpaläarktischer *Medon*-Arten werden gemeldet.

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