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New species of the genus *Nanophthalmus* MOTSCHULSKY, 1851 from Bulgaria (Coleoptera: Staphylinidae: Scydmaeninae)

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ABSTRACT. A new species of the genus *Nanophthalmus* MOTSCHULSKY, 1851, *N. bulgaricus* sp. n. is described, the aedeagus of the species is illustrated. This species represent first member of the genus known from Bulgaria.

Key words: entomology, taxonomy, Coleoptera, Scydmaenidae, Cephenniini, *Nanophthalmus*, new species, Bulgaria.

INTRODUCTION

The genus *Nanophthalmus* MOTSCHULSKY, 1851 belongs to the tribe Cephenniini and up to now has been represented by nine Palaearctic species: *N. armeniacus* (REITTER, 1884) from Georgia and southern Russia; *N. beszedesi* REITTER, 1913 from Croatia (Istria); *N. ditomus* (SAULCY, 1878) from Georgia (Caucasus); *N. megaloderoides* MOTSCHULSKY, 1851 from Ukraine (Crimea); *N. nonvelleri* BESUCHET & VÍT, 2000 from Western Serbia; *N. robustus* ROUBAL, 1913 from southern Russia; *N. rotundicollis* (REITTER, 1881) from Turkey; *N. serbicus* BESUCHET & VÍT, 2000 from Eastern Serbia and *N. turcicus* REITTER, 1894 from the European part of Turkey (BESUCHET & VÍT 2000; VÍT & BESUCHET 2004). Examination of the material collected by Rostislav Bekchiev (Sofia, Bulgaria) provided another new species of the genus *Nanophthalmus* from Bulgaria, this species is described below. The type material is deposited in the collection of the author (CMS) and the collection's of Rostislav BEKCHIEV (CRB) and Peter HLAVÁČ (CPH).

***Nanophthalmus bulgaricus* n. sp.**

(Fig. 1)

ETYMOLOGY

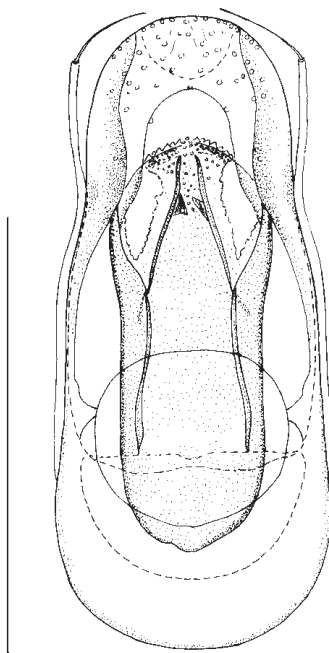
Locotypic, named derived from Bulgaria, the country of its discovery.

MATERIAL STUDIED

(6♂, 10♀): HOLOTYPE, ♂: BULGARIA: Mts. Belasitsa, Petrich District, vill. Kluch, 500 m, 02.06.2006, leaf litter of *Platanus orientalis*, leg. R. Bekchiev / Holotypus, *Nanophthalmus bulgaricus* sp.n., det. M. Stevanović, 2009 (CMSN). PARATYPES: 5♂ and 10 ♀: BULGARIA: Mts. Belasitsa, Petrich District, vill. Kluch, 500 m, 02.06.2006, 4♀, leg. R. Bekchiev; idem, 400 m, 06.07.2008, 1♀, leg. R. Bekchiev; BULGARIA: Mts. Belasitsa, Vodopada place, 750 m, 18.05.2008, 2♂, 1♀, leg. R. Bekchiev; idem, 19.05.2008, 2♀, leg. R. Bekchiev; BULGARIA: Mts. Belasitsa, Kamena vill., 500 m, 03.09.2008, 3♂, 2♀, leg. R. Bekchiev. All paratypes are bearing the following label: *Nanophthalmus bulgaricus* sp.n., det. M. Stevanović, 2009 (CMS, CRB, CPH).

DESCRIPTION

Male. Body small, length 1.00-1.02 mm, moderately convex, reddish-brown, tarsi and mouth parts slightly reddish-brown, mandibles dark-brown, setation yellowish.



1. *Nanophthalmus bulgaricus* sp.n., aedeagus, ventral aspect; scale bar: 1 = 0.20 mm

Head small, broadest near middle; length 0.15-0.17 mm, width 0.19-0.21 mm; labrum very small, transverse; mandibles short, acute and curved ventrally; frontoclypeal region relatively long, subtrapezoidal, flat; vertex slightly convex; suprantennal tubercles slightly raised; genae strongly impressed with raised edge towards postgenae. Frontoclypeal region without puncturation, on vertex very fine, sparse; setation moderately short, sparse, suberect. Length of antennae 0.36-0.40 mm, with dense, short, suberect setae; antennomere V subcylindrical and 1.2 times as long as wide, XI very slightly longer than wide, subconical.

Pronotum nearly semicircular, moderately convex, widest at middle, length 0.30-0.32 mm, width 0.37-0.39 mm, with strongly rounded anterior margin, posterior margin very weakly arcuate. Lateral carina well marked, posterior corners obtuse. Puncturation very fine, sparse, with small and shallow punctures; setation moderately long, sparse, suberect to erect.

Elytra oval, elongate, slightly convex, length 0.53-0.56 mm, width 0.38-0.43 mm, elytral index 1.30-1.42; widest in basal third; apical part separately rounded. Each elytron with very small, single basal fovea located closer to humerus than to scutellum. Puncturation relatively fine, punctures shallow, distance between punctures 1.5 – 3.5 times of their diameter. Setation moderately long, suberect to erect. Scutellum subtriangular, with punctures.

Metasternum in the middle moderately trapezoidal concave, weakly punctured, with moderately long and sparse setation, posterior margin of sternum weakly arcuate.

Legs moderately long and slender; protibae shorter than mesotibiae and metatibiae, apically strongly ellyptically widened at middle, moderately curved ventrally, with short erect setae; mesotibiae and metatibiae apically slightly widened in basal third, with short, dense suberect setae.

Aedeagus as in Fig. 1, length 0.24-0.26 mm.

Female. very similar to male, except for antennomere V which is subequal; legs apically very weakly expanded; metasternum moderately convex; body length 0.99-1.04; head length 0.15-0.17 mm, width 0.18-0.20 mm; length of antennae 0.36-0.38 mm; pronotum length 0.30-0.34 mm, width 0.36-0.40 mm; length of elytra 0.52-0.56 mm, , width of elytra 0.39-0.42 mm; Ei 1.27-0.1.36.

DIFFERENTIAL DIAGNOSIS

The new species is closely related to *N. beszedesi* REITTER which is known from Croatia (Učka Mts.) but it can be distinguished from this species by the following combination of characters: body length shorter and wider elytra which are not apically modified (elytral index *N. beszedesi* is 1.48-1.53), posterior corners of pronotum are obtuse and the structure of the aedeagus is different.

DISTRIBUTION

So far known only from the type localities in Bulgaria (Belasitsa Mts.).

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