

## ***Notiophilus anichtchenkoi* sp. n. (Coleoptera: Carabidae) – a new ground beetle species from China**

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The article describes a new species of the ground beetle genus *Notiophilus* Dum. (Coleoptera: Carabidae) which has been collected in the Quinhai Province, China. The article is illustrated with images of the new species; and a comparison with the related species is provided.

Key words: *Notiophilus anichtchenkoi*, Coleoptera, Carabidae, new species, China

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### **INTRODUCTION**

The fauna of the genus *Notiophilus* Dumeril, 1806 (Coleoptera: Carabidae) is incompletely investigated. 58 species of this genus are known in the world: 48 species in the Palearctic, 16 species in the Nearctic, but only 2 species in the Neotropical region. The largest diversification and the highest number of endemics of the genus *Notiophilus* Dum. occur in Asia (Barševskis 2007).

At present, twelve species of the genus *Notiophilus* Dum., including the new one, were found in China (Bousquet, Barševskis 2003, Barševskis 2003, 2004, 2005). Seven new species of this genus are described from different parts of China in the last years (Barševskis 2003, 2004, 2005). In this article a new species of the ground beetle genus *Notiophilus* Dum. is described from the Quinhai Province of China.

Figures are made by a stereomicroscope *Zeiss Stereo Lumar V12* and an *Axiocam* digital camera. They have been processed and the morphometrical measurements were taken by *Axioview 4.4* software.

The measurements of the body were taken according to the methodology used in the morphological researches of this genus (Dostal 1986, Schmidt, Hartmann 2001).

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### ***Notiophilus anichtchenkoi* sp. n.**

**Holotype.** Male. China, Quinhai prov., Lajishan Mts., Sinin v., 3000 m, 22. VII. 2007, V. Patrikeev leg. (Fig. 1).



Fig. 1. Holotype of *N. anichtchenkoi* sp. n.



Fig. 2. Paratype of *N. anichtchenkoi* sp. n.

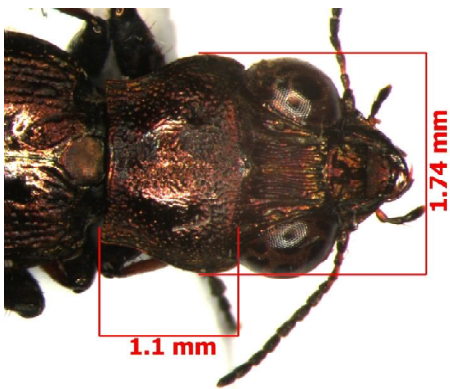


Fig. 3. Measurements of pronotum (*Holotype*)

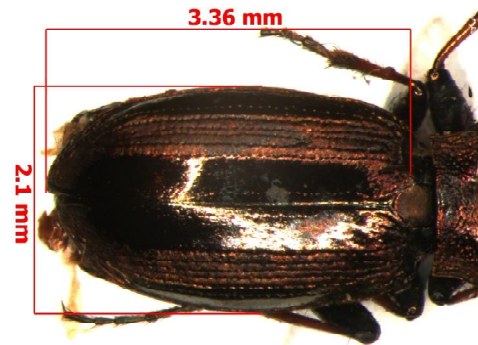


Fig. 4. Measurements of elytra (*Holotype*)



Fig. 5. Aedeagus of *N. anichtchenkoi* sp. n. (Holotype)

**Paratype.** Male, labelled as the holotype (Fig. 2).

Holotype & paratype are deposited in the author's collection (abbrev. ABC) in Daugavpils, Latvia.

**Description.** Body length 5.93–6.16 mm. Surface flat, shiny, dark bronze-coloured, monochromatic, without yellow spots. Ventral side black, shiny, with bronze-coloured lustre. Head short, width over eyes usually as wide as pronotum (Fig. 3). Head width 1.71–1.74 mm. Labrum with rounded front side and 6th setiferous punctures, not excised. 1st palpomere, apex of apical palpomere, basal part of 2nd–4th antennomeres yellow. Frons with 9–10 a little irregular keels. Pronotum length 1.10–1.11 mm, width 1.72–1.74 mm. Pronotal sides distinctly sinuated before acute hind angles. Surface of pronotum deeply punctated and wrinkled. Bottom side of thorax deeply punctated. Elytra (Fig. 4) length 3.36–3.49 mm, width 2.10 mm. 3rd–7th interval of elytra with very strong isodiametrical microsculpture. 1st–2nd and marginal intervals smooth, shiny, only in basal and apical parts with microsculpture. 2nd interval has equal width as 3rd–5th together, 5th interval is narrower than 4th or 6th. Elytra with single dorsal (paratype right elytron in 4th interval with two dorsal pores) and two apical

pores. Legs bichromatic, with reddish brown tibia. Aedeagus (Fig. 5) length 1.72 mm.

**Comparison.** Similar to *N. katrinae* Barš. (China: N Sichuan), but differs by large body length, other coloration of legs, number of frontal keels and other characters. Very similar to *N. specularis* Bates in body shape (Central America: Mexico, Guatemala etc.), but differs with rounded labrum, number of frontal keels, different form of pronotum and other characters.

**Etymology.** This new species is named in honour of my colleague, carabidologist Aleksander Anichtchenko (Institute of Systematic Biology, Daugavpils University, Latvia).

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