

Arnaldo Bordoni

**CONTRIBUTION TO THE KNOWLEDGE  
OF THE XANTHOLININI OF CHINA. XIV.**

***NUDOBIUS LINANENSIS* N. SP. FROM ZHEJIANG,  
NOTES AND NEW RECORDS  
OF SOME INTERESTING SPECIES<sup>1</sup>**

(Insecta Coleoptera Staphylinidae)

**Riassunto**

[Contributo alla conoscenza degli Xantholinini della Cina. XIV. *Nudobius linanensis* n. sp. dello Zhejiang, con note e nuovi dati su alcune specie interessanti]

Si descrive *Nudobius linanensis* n. sp. dello Zhejiang, affine a *N. lemniscatus* Bordoni, 2005 del Gansu. Le seguenti specie sono nuove per le regioni cinesi indicate: *Megalinus montanicus* (Bordoni, 2003) (Hubei, Heinan), *Megalinus zhenyuanensis* (Zheng, 1994) (Qinghai), *Sungaria mandschurica* (Bernhauer, 1923) (Heilongjiang). Viene ampliata la geonomia di alcune specie di particolare interesse: *Zeteotomus dilatipennis* (Kirshenblat, 1948), *Yunnella spinosa* Bordoni, 2003.

**Abstract**

*Nudobius linanensis* n. sp. from Zhejiang, related to *N. lemniscatus* Bordoni, 2005 from Gansu, is described; the following species are new records for the named districts: *Megalinus montanicus* (Bordoni, 2003) (Hubei, Heinan), *Megalinus zhenyuanensis* (Zheng, 1994) (Qinghai), *Sungaria mandschurica* (Bernhauer, 1923) (Heilongjiang); the geonomy of some interesting species is increased: *Zeteotomus dilatipennis* (Kirshenblat, 1948), *Yunnella spinosa* Bordoni, 2003.

Key words: Coleoptera, Staphylinidae, Xantholinini, *Nudobius*, new species, new records, China.

**Introduction**

In this short note I give new interesting records of some uncommon species from Qinghai, Sichuan, Gansu, Shaanxi, Heinan, Hubei, Zhejiang, and Heilongjiang. In particular I give new records of two species from Heilongjiang Province in northeast China, bordered to the north and east by Far East of Russia, to the south by Jilin, and to the northwest by Inner Mongolia. This area is a plateau reaching a maximum height of about 1400 m in the Hingan mountains that cross the province

<sup>1</sup> 194<sup>th</sup> contribution to the knowledge of Staphylinidae.

from the north to the centre. The Xantholinini from this region are fairly the same as in the Far East Russia, as shown in this contribution.

Acronyms: the material is preserved in my collection (cB) and in the collection of Jiri Janak (Rtyne nad Bilinou) (cJ), Guillaume de Rougemont (Londinières) (cR), Andreas Pütz (Eisenhüttenstadt) (cP), and Michael Schülke, (Berlin) (cS).

### Examined material

#### *Zeteotomus dilatipennis* (Kirshenblat, 1948)

China, Heilongjiang Prov., Quin Yuan, 30 km S Lang Xian, 46.47N, 129.03E, 600-700 m, J. Cooter 25-29.V.2004, 1 ♂ (cB), 1 ♀ (cR).

**Notes.** This species was described as *Metoponcus* Kraatz, 1857 from Far East Russia (Primorskiy Krai) and is known also from Ussuriyskaya Oblast and from Kurili islands (SMETANA, 1982). Recently BORDONI (2006) reported it for the first time from China (Shaanxi). *Z. dilatipennis* is a very variable species in size and colour, but the aedeagus is identical in specimens from 7 to 10 mm in length. The record from Heilongjiang is reasonable in view of the foresaid localities in Russia and suggests that this uncommon species should have a wider distribution in China.

#### *Nudobius lemniscatus* Bordoni, 2005

Gansu, Dagecanglham (= Langmusi) env., 3464-3644 m, 34.04N, 102.37E, J. Hajek, D. Kral & J. Ruzicka 25.VI.2005, 1 ♂, 3 ♀ (cS), 1 ♂, 4 ♀ (cB).

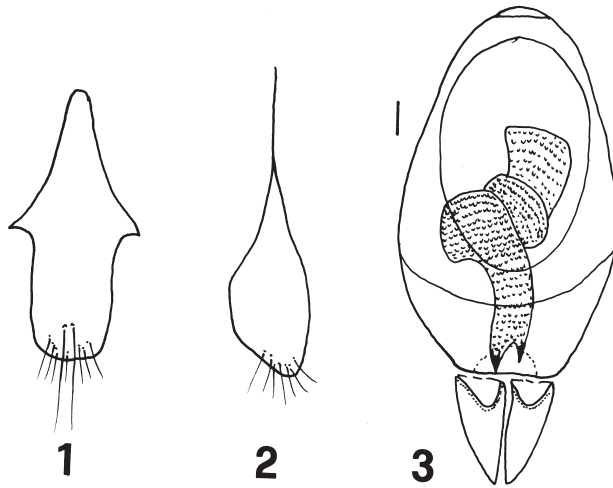
**Bionomy.** Wet coniferous forest (*Picea*, *Abies*, with *Rhododendron*), under bark of fallen logs.

**Notes.** This species is known only for the type locality in Gansu (Lanhou: Ponggartang).

#### *Nudobius linanensis* n. sp.

**Material examined.** Holotypus ♂: Zhejiang, Hangzhou Pref., Tianmu Shan, 40 km WNW Linan, water reservoir, 300 m, 30.20N, 119.18E, M. Schülke 17.VI.2007 (cP); paratypes: same data, 2 ♂, 3 ♀ (cS), ♂, 3 ♀ (cB) same data, A. Pütz 17.VI.2007, 2 ♂ (cP), 1 ♂ (cB); same data, S pass 41 km WNW Linan, 350 m, 30.21N, 119.19E, W. Wrase 17.VI.2007, 1 ♀ (cB).

**Description.** Body 10 mm long; length from the anterior margin of the head to the posterior margin of elytra: 5 mm. Large species. Head black, pronotum and abdomen brown more or less blackish, elytra yellow-testaceous with scutellum and neighbouring surface brown-black; antennae brown and legs testaceous. Head subquadrate, with subrectilinear sides and strictly rounded posterior angles. Eyes



Figs. 1-3. *Nudobius linanensis* n. sp.: 1- tergite, 2- sternite of the male genital segment, 3- aedeagus (scale: 0.1 mm).

evident and protruding. Surface of the head shiny, with large and deep scattered punctuation. Pronotum longer and narrower than head, posteriorly dilated, with the anterior angles well rounded, sides almost not sinuate. Surface shiny, with scattered micropunctuation, dorsal series of 6-7 and lateral series of 3-4 large points. Elytra large, longer and larger than pronotum, posteriorly dilated, with evident humera. Surface shiny, with one series near the suture and two median series of punctuation smaller than those of the pronotum. Abdomen with fine transversal microstriation and fine punctuation.

Tergite and sternite of the male genital segment as in figs 1-2. Aedeagus (Fig. 3) with large parameres and internal sac large and long, covered by thick, little and short spines.

**Etimology.** It takes its name from the Linan locality.

**Bionomy.** Plant refuse, litter from rock edges and near creek.

**Distribution.** Known to me only from the type locality.

**Notes.** For its size, colouration and the large internal sac, this species, related to *N. leminiscatus* Bordoni, 2005 from Gansu, is easily distinguishable from other known taxa.

***Yunnella spinosa*** Bordoni, 2003

North Sichuan, Juijaigow env., Minshan Mts, 2000 m, V. Patrickeev 20.VII.2004,

1 ♂, 1 ♀ (cS), 1 ♂, 1 ♀ (cB); Minshan Mts, 60 km NW Wudu, 2000 m, V. Patrickeev 20.VI.2005, 1 ♂ (cB).

**Notes.** This species, described from South Sichuan (Qinling Shan), is reported from the same mountain (BORDONI, 2004).

***Megalinus montanicus*** (Bordoni, 2003)

Shaanxi, Lueang, E. Kucera 25.V.1997, 1 ♂ (cB); Hubei, S Muyuping, 1100 m, 31.43N, 110.4E, J. Turna, 17.VI.2002, 1 ♂ (cB); Heinan, Xuejiaying-Yawu Mts., E. Kucera 15-19.V.2004, 1 ♂ (cJ).

**Notes.** This species was known only from the type series (South Sichuan: Qinling Shan and Shaanxi: Xunyangba). New to Hubei and Heinan.

***Megalinus metallicus*** (Fauvel, 1895)

Guangdong, Datian Ding Mt., 1200-1600 m, R. Fencel 6-7.V.2002, 1 ♂ (cJ); West Yunnan, mts 20 km SW Baoshan, 2400 m, S. Murzin & I. Shokhin 23-25.V.2006, 2 exx. (cS), 1 ex. (cB).

**Notes.** It is known to me from the mountain ranges of the Indian and Indochinese subregions, from North Pakistan to China and Taiwan (BORDONI, 2002).

***Megalinus zhenyuanensis*** (Zheng, 1994)

Qinghai Prov., Huangyong env., Taer Si (Pamasery) (= Kumbum), 2665-2780 m, 36.28N, 101.34E, J. Hajek, D. Kral & J. Ruzicka 17.VII.2005, 1 ♂ (cS), Qinghai Prov., Yunning Si (lomasery), 2890 m, 36.45N, 102.10E, J. Hajek, D. Kral & J. Ruzicka 1-2.VII.2005, 1 ♂ (cB).

**Bionomy.** Probably under stones.

**Notes.** This species, described from Gansu (Zhenyuan), is known also from other localities of the same province (BORDONI, 2004). In the same contribution (l.c.) it was redescribed and figured. New record for Qinghai.

***Sungaria mandschurica*** (Bernhauer, 1923)

China, Heilongjiang Prov., Lang Xian Distr., Dongzhe village, 550-650 m, 46.41N, 129.01E, J. Cooter 27.V.2004, 1 ♀ (cR), 1 ♂, 1 ♀ (cB).

**Notes.** Described as *Xantholinus* from Kharborovsk Province (Bikin) in Far East Russia, redescribed and figured for the first time and related to the new genus *Sungaria* (Bordoni, 2003), this species is known in China only from Chikuashan, South Mongolia (l. c.). New record for Heilongjiang.

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