

Arnaldo BORDONI\*

**New data on the Xantholinini from China.**  
**27°. New species and new records in the collection of Tateo Ito, Kyoto**  
 (Coleoptera, Staphylinidae)

265° contribution to the knowledge of the Staphylinidae

**Riassunto:** Nuovi dati su Xantholinini di Cina. 27°. Nuove specie e nuovi dati presenti nella collezione di Tateo Ito, Kyoto (Coleoptera, Staphylinidae).

Vengono descritte e illustrate le seguenti nuove specie: *Liothesba dayiensis* sp. n. (Sichuan), *Megalinus yuntai* sp. n. (Guizhou), and *Atopolinus dayianus* sp. n. (Sichuan). Sono nuove per le province indicate le seguenti specie: *Thyrecephalus hongkongensis* (Redtenbacher) and *Nudobius mirificus* Bordonì (Hubei), *Yunnella spinosa* Bordonì (Gansu), *Megalinus ningxiaensis* Bordonì (Zhejiang), and *Megalinus hunanensis* Bordonì (Shaanxi).

**Abstract:** The following new species are described and illustrated for the listed provinces of China: *Liothesba dayiensis* sp. n. (Sichuan), *Megalinus yuntai* sp. n. (Guizhou), and *Atopolinus dayianus* sp. n. (Sichuan). The following species are new records for the listed provinces: *Thyrecephalus hongkongensis* (Redtenbacher) and *Nudobius mirificus* Bordonì (Hubei), *Yunnella spinosa* Bordonì (Gansu), *Megalinus ningxiaensis* Bordonì (Zhejiang), and *Megalinus hunanensis* Bordonì (Shaanxi).

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

## INTRODUCTION

The colleague Tateo Ito (Kyoto) has recently sent me in study some Xantholinini from various regions. In this material I found some specimens from China. In this paper the results of their study are reported, with the description of three new species from Sichuan and Guizhou. Five species are new records for some Chinese provinces. Data on a further species are taken from material conserved in the Hayashi's collection.

## Acronyms

cB: coll. A. Bordonì, Firenze, Italy  
 cH: coll. Hayashi, Kawanishi, Japan  
 cI: coll. T. Ito, Kyoto, Japan

## TAXONOMY

*Thyrecephalus hongkongensis* (Redtenbacher, 1867)

EXAMINED MATERIAL. NW Hubei, 15 km E Xianhshan pass to Huangliangping, leg. ? 6.VI.1998, 1 ex. (cI).

DISTRIBUTION. The species is known from the Oriental Region (from Myanmar to Bali) and from China (Bordonì, 2002). New record for Hubei.

*Liothesba dayiensis* sp. n.

EXAMINED MATERIAL. Holotype ♀: Sichuan, Shuanghe, Dayi Dafeishan Forest, 100 km W Chengu, 30.40N, 103.10E, M. Tryzna & Z. Jindra 22.VI.1993 (cI).

DESCRIPTION. Length of body 12 mm; from anterior margin of head to posterior margin of elytra: 7 mm. A big *Liothesba*; body shiny; head and pronotum black, elytra reddish with black scutellum; abdomen, antennae and legs reddish brown light. Head and pronotum and related punctuation as in Fig. 1. Labrum as in Fig. 2. Elytra sub-rectangular, very long and narrow, with sub-parallel and sub-rectilinear sides, longer than, and as wide as pronotum, with rounded humeral angles. Surface with fine, sparse punctuation, arranged in some spaced series. Abdomen with fine, dense, transverse micro-striation and fine but evident punctuation, arranged in some series.

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Male unknown.

ETYMOLOGY. The specific epithet refers to the type locality.

DISTRIBUTION. The species is known only from the type locality.

NOTE. This species differs from the congeners by the shape and punctuation of the head, by the structure of the labrum, and by the particular length of the elytra. In particular the setiferous punctuation of head is different from those of *L. ovaticeps* Zhou & Zhou, 2013, from Sichuan (Baoxing), *L. recticeps* Zhou & Zhou, 2013 from Sichuan (Wolong, Genda and Emei Shan), *L. fengyangshana* Zhou & Zhou, 2013 from Zhejiang (Fengyang Shan), and *L. expansipalpis* Zhou & Zhou, 2013 from Hubei (Muyu), recently described from China. *Liotosba* are mountains species, not common, probably with a restricted distribution.

***Nudobius mirificus* Bordoni, 2003b**

EXAMINED MATERIAL. Holotype ♀: NW Hubei, Shipusa, 2300 m, Dashennongjia Mts, 2300 m, leg. ? 26.VI-1.VII.1998 (cI).

NOTE. This species was described (1 ♀) from the border Shaanxi-Sichuan (Daba Shan). This is the first record since its description. New record for Hubei. The species of this genus are normally sporadic, probably linked to particular stages of decay of plants.

***Yunnella spinosa* Bordoni, 2003b**

EXAMINED MATERIAL. Gansu, Yin Shan, 2100 m, A. Gorodinski 1.V.1997, 1 ♂ (cI), 1 ♀ (cB).

NOTE. This very nice species was described from Shaanxi (Qinling Shan) and cited recently from N Sichuan (Juijaigow, Minshan Mts) (Bordoni, 2009) and also from Shaanxi (Foping) (Bordoni, 2013c). I propose the figure of the male genitalia because the parameres of the aedeagus in this specimen are very large (Figs. 3-5). New record for Gansu.

***Phacophallus japonicus* (Cameron, 1933)**

EXAMINED MATERIAL. NW Hubei, 15 km E Xiangshan pass to Huangliangping, leg. ? 6.VI.1998, 1 ♂, 1 ♀ (cB).

DISTRIBUTION. The species is known from the Oriental Region (Thailand, Malaysia, Vietnam, China: Yunnan, Guanxi, Zhejiang, Hong Kong, Fujian (Bordoni, 2002). Recently it was cited also from Beijing, Henan, Sichuan (Bordoni, 2003a), and Jiangsu (Bordoni, 2013a).

***Megalinus ningxiaensis* Bordoni, 2013a**

EXAMINED MATERIAL. (Zhejiang), Dinghai, Lajishan, 3500 m, A. Gorodinski 1.VII.1997, 2 ♂, 2 ♀ (cI), 2 ♂ (cB).

NOTE. This species was described from Ninxia (Sutai Forstry, 2200 m) and Qinghai (63 km ESE Men Yuan, 2558 m, and 23 km S Ledu, 2726 m). This is the first record since its description. New record for Zhejiang.

***Megalinus hunanensis* Bordoni, 2013a**

EXAMINED MATERIAL. S Shaanxi, pass 15 km N Xunyangba, 1700 m, leg. ? 11-13.VII.1998, 1 ♂ (cI), 1 ♂ (cB).

NOTE. The species was described from Hunan (Wulingyashan) and cited also from Guizhou (Zhou *et al.*, 2013), and from Hubei (Yichang) (Bordoni, 2014). New record for Shaanxi.

***Megalinus montanicus* Bordon, 2003b**

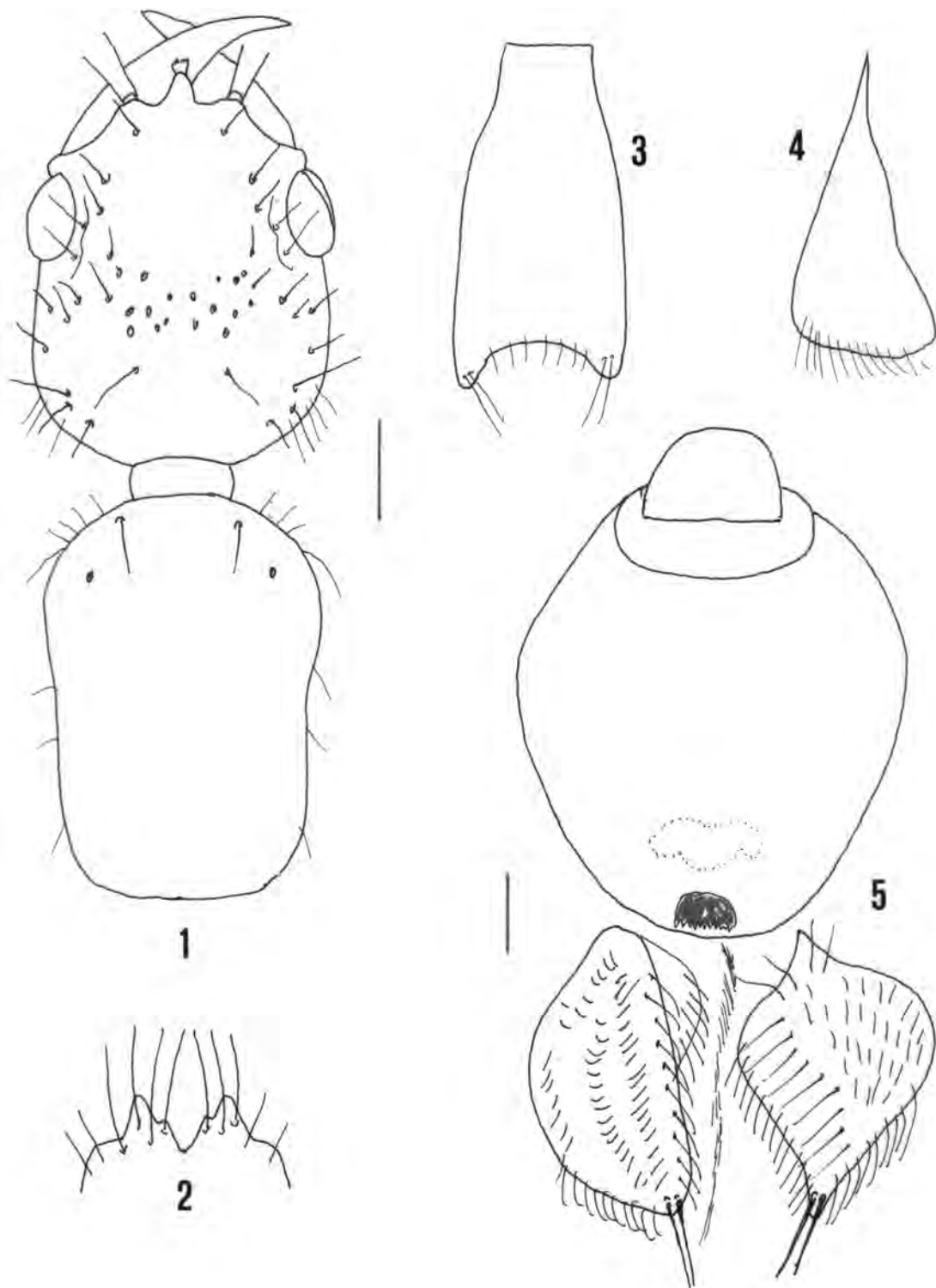
EXAMINED MATERIAL. Shaanxi, Qinling Mts, Xunyangba env., 1200 m, leg. ? 20.V-10.VI.2000, 1 ♂ (cH).

DISTRIBUTION. This species is actually known only from the Qinling mountains.

***Megalinus yuntai* sp. n.**

EXAMINED MATERIAL. Holotype ♂: Guizou, 60 km N Kaiu, Shibing-Yunati Shan, E. Jemdek & O. Sausa 21-26.V.1995 (cI); paratype: same data, 1 ♂ (cB).

DESCRIPTION. Length of body 8.5 mm; from anterior margin of head to posterior margin of elytra: 4 mm. Body brown more or less light, with black head; antennae missing; legs testaceous light. Head sub-rectangular, narrowed forward, with sub-rectilinear sides and strictly rounded posterior angles. Eyes very small and almost flat. Surface of head shiny, with deep, dense punctuation, apart for a wide median stripe, partially elongated, finer and denser on clypeus. Pronotum as long as head, strongly broadened anteriorly and here as wide as head, with oblique anterior margins, sub-rectilinear sides, and rounded anterior angles. Surface with dorsal series of 7 broad, superficial punctures and lateral series of 3-4 finer, spaced punctures; some punctures near anterior angles. Elytra large, much longer and wider than pronotum, broadened posteriorly, with rounded humeral angles. Surface with superficial, fine punctuation, arranged in numerous series. Abdomen with traces of transverse micro-striation and fine punctation on sides.

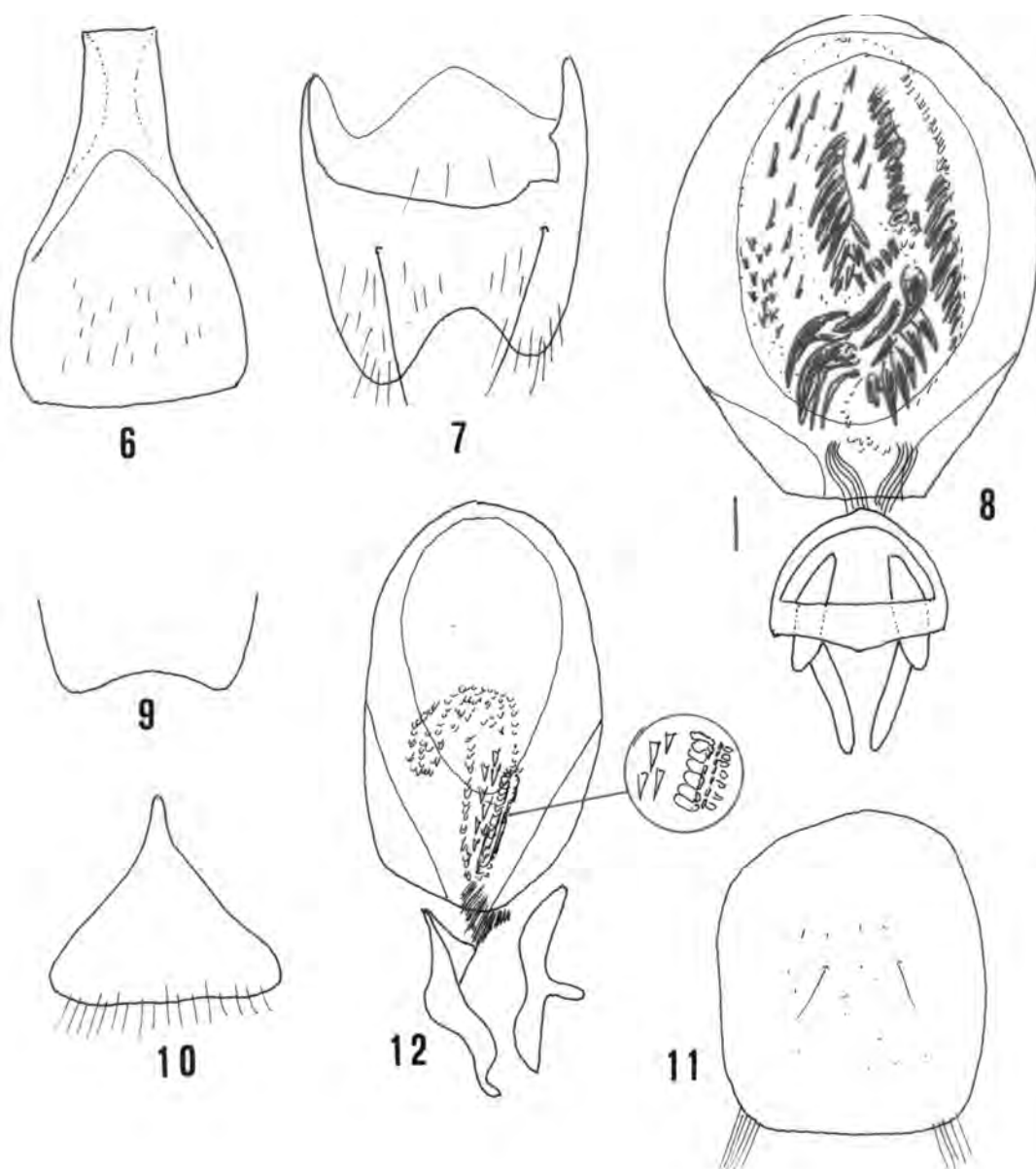


Figs. 1-5. *Liotesba dayiensis* sp. n.: 1 – head and pronotum (bar scale: 0.5 mm); 2 – labrum. *Yunnella spinosa* Bordoni: 3 – tergite and; 4 – sternite of the male genital segment; 5 – aedeagus. Bar scale: 0.1 mm.

Tergite and sternite of male genital segment as in Figs. 6-7. Aedeagus (Fig. 8) 1.35 mm long, sub-ovoidal; parameres short and narrow; inner sac with numerous series of spines.

ETYMOLOGY. The specific epithet refers to the type locality.

DISTRIBUTION. The species is known only from the type locality.



Figs. 6-12. *Megalinus yuntai* sp. n.: 6 – tergite and 7 – sternite of the male genital segment; 8 – aedeagus. *Atopolinus dayianus* sp. n.: 9 – posterior margin of 6<sup>th</sup> visible male tergite; 10 – tergite and 11 – sternite of the male genital segment; 12 – aedeagus. Bar scale: 0.1 mm.

NOTE. This species differs from the congeners especially for the structure of the inner sac of the aedeagus.

*Atopolinus dayianus* sp. n.

EXAMINED MATERIAL. Holotype ♂: Sichuan, Dayi Dafeishan, M. Tryzna 21-27.VI.1993 (cl).

DESCRIPTION. Length of body 5.8 mm; from anterior margin of head to posterior margin of elytra: 3.2 mm. A little *Atopolinus*, reddish brown with darker head; antennae and legs brown. Body shiny. Head sub-rectangular, with largely rounded posterior angles. Eyes small and a little protruding. Surface of head with sparse, very fine punctuation, apart for a wide median stripe. Pronotum a little longer and narrower than head, with very oblique anterior margins, obsolete anterior angles, and sinuate sides. Surface with dorsal series of 7-8 punctures and lateral series of 5-6 punctures. Elytra large, longer and wider than pronotum, broadened posteriorly, with marked humeral angles. Surface with fine, spaced punctuation, arranged in some series. Scutellum large,

with fine, transverse micro-striation. Abdomen with fine punctuation on sides.

Sixth visible abdominal tergite as in Fig. 9. Tergite and sternite of male genital segment as in Figs. 10-11. Aedeagus (Fig. 12) 1.1 mm long, small, ovoidal, narrow; pseudoparameres asymmetrical; inner sac with numerous scales.

ETYMOLOGY. The specific epithet refers to the type locality.

DISTRIBUTION. The species is known only from the type locality.

NOTE. This species differs from the congeners for the small body, colouration, shape of tergite and sternite of the male genital segment, and especially for the structure of the aedeagus and its inner sac.

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