

Linzer biol. Beitr.	51/2	929-932	20.12.2019
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***Sinopanomomus yunnanensis* nov.gen. & nov.sp., a new genus and species of Leiestinae (Coleoptera, Endomychidae) from China**

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A b s t r a c t : A new species of Leiestinae (Coleoptera, Endomychidae) from Yunnan (China) is described: *Sinopanomomus yunnanensis* nov.gen. & nov.sp.

K e y w o r d s : Endomychidae, Leiestinae, new genus, new species, China, Yunnan.

Introduction

The Leiestinae subfamily are a small group of Endomychidae restricted to the Holarctic Region. TOMASZEWSKA (2000) revised the subfamily and presented six genera (*Leiestes* DEJEAN, 1836, *Panaleies* TOMASZEWSKA, 2000, *Panamomus* GORHAM, 1873, *Phymaphora* NEWMAN, 1838, *Rhanidea* STROHECKER, 1953 and *Stethorhanis* BLAIDELL, 1931).

The new genus *Sinopanomomus* nov.gen. shows the most distinctive characters mentioned for Leiestinae by TOMASZEWSKA (2000): a) mesosternum bicarinate, b) intercoxal process elongate, narrow and flat medially with convex edges, c) antennal inserations not visible from above and below, d) foveae of pronotum large and deep, triangular (fig. 1). Its general shape is similar to *Panamomus* GORHAM, 1873, which is distributed with fives species in Japan (TOMASZEWSKA 2000, 2007, 2015). It basically differs from *Panamomus* by a furrow on pronotum parallel to the side margin (fig. 3).

Material and methods

The material examined is deposited in the following collections:

MFNB..... Museum für Naturkunde Berlin, Germany

cES..... author's private collection, Berlin, Germany

The morphological studies were conducted using a Euromex DZ-1605 and Euromex BB.1153.PLI. Photographs were created with a ToupCam 14MP (ToupTek).

Body length was measured from the head to the apex of the elytra, length of pronotum in the middle, broadness on the broadest part.

Results

***Sinopanomomus* nov.gen.** (fig. 1-4)

T y p e s s p e c i e s : *Sinopanomomus yunnanensis* nov.sp.

E t y m o l o g y : Due the relationship with *Panamomus* GORHAM, 1873 and its origin from China.

D e s c r i p t i o n : Body small, around 2.6 mm, blackish to reddish brown, membranous wings absent. Surface shiny with puncture very fine and sparse. Sparsely covered with pale, curved hairs. Terminal labial palpomere longer than penultimate one, fusiform. Legs and antennae stout. Eyes small and hemispherical. Pronotum convex, sides slightly rounded in the middle, strongly forwards and straight to concave backwards. Posteriorly with to deep triangular foveae. Side margin small bordered, with a furrow along the side margin, which is widened in the posterior part. Elytra convex and oviform. Humeral callus on elytra indistinct, margin with a prominent tooth. Anterior tarsomeres in male widened.

C o m m e n t : Similar to *Panamomus* GORHAM, 1873 but differs by body, legs and antennae more stout, terminal labial palpomere fusiform, pronotum with a furrow besides the margin.

***Sinopanamomus yunnanensis* nov.sp. (fig. 1-3)**

T y p e m a t e r i a l : Holotype ♀: "China [13] - Yunnan, mt. SE Gejiu, graveyard with pine, 23°18'27"N, 103°11'41"E, 2400 m, 20.VIII.2014, V. Assing" [MFNB]. Paratypes: 1♂, 1♀ "China: Yunnan, mountain W Gejiu, 23°24'13"N, 103°07'28"E, 1990 m, misted forest, litter and various debris sifted, 23.VIII.2014, leg. M. Schülke [CH 14-20]" [MFNB, cES].

E t y m o l o g y : Named after the province Yunnan (China), where the type material was collected.

D e s c r i p t i o n : Male, 2.6 mm, blackish brown with a light transverse spot on each elytra behind the middle and somewhat paler posteriorly. Surface shiny, puncture fine and very sparse, on elytra disordered. Pubescence also very sparse, forming pale and curved hairs. Eyes small and hemispherical. Membranous wings absent. Labial palpi stout, terminal palpomere large and fusiform, more than twice long as the penultimate. Antennae stout, 11-segmented with a 3-segmented club. Segment 1 barrel-shaped, broader than segments 2 to 8. Segments 4, 5, 6, 7 more or less long as broad, segments 3 and 4 somewhat longer. Segments 9 and 10 moderately transverse, segment 11 nearly triangular but asymmetrical. Legs stout, tarsi 4-segmented, anterior tarsomeres 1 to 3 widened (only in male). Pronotum moderately transverse (1.4 x broader than long), broadest before the middle, convex, strongly rounded anteriorly, anterior angles rounded and indistinct. Side margin in the posterior two thirds straight or feebly concave, smooth. Margin small bordered, smooth. Along the margin with a distinct furrow, widened apically. Basal foveae large and deep, basal margin between the foveae depressed. Scutellum triangular. Elytra convex, oval, strongly depressed along the basal margin. No suture developed, humeral callus indistinct.

C o m m e n t : Currently *Sinopanamomus yunnanensis* nov.sp. is the only known species of *Sinopanamomus* gen.nov. It differs from the five Japanese *Panamomus* by the furrow on pronotum parallel to the side margin, the terminal labial palpomere, elytra disordered punctate and more stout body and extremities.



1



2



3



4

Fig. 1-4: *Sinopanamomus yunnanensis* nov.gen. & nov.sp. (1) dorsal view and (2) ventral view; *Sinopanamomus yunnanensis* nov.gen. & nov.sp. (3) lateral view and (4) Aedoeagus (lateral).

Acknowledgement

I wish to thank Wioletta Tomaszewska (Warsaw) for literature and the colleagues of the Museum für Naturkunde Berlin for loaning specimens: Johannes Frisch, Bernd Jaeger, Joachim Willers.

Zusammenfassung

Eine neue Gattung und Art der Stäublingskäfer (Endomychidae) aus Yunnan (China) wird beschrieben: *Sinopanomomus yunnanensis* nov.gen. & nov.sp. Die Gattung wird den Leiestinae zugeordnet.

References

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Zeitschrift/Journal: [Linzer biologische Beiträge](#)

Jahr/Year: 2019

Band/Volume: [0051_2](#)

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Artikel/Article: [Sinopanamomus yunnanensis nov.gen. & nov.sp., a new genus and species of Leiestinae \(Coleoptera, Endomychidae\) from China 929-932](#)