

A new *Therates* species from China

(Coleoptera: Carabidae: Cicindelinae) ¹⁾

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Abstract: *Therates turnai* n. sp. is described from China, Guizhou province. It is distinguished from the similar *Th. csorbai* Wiesner, 1999 by the pale labrum, shape of elytran humeral lunule and shape of aedeagus. A key to the Chinese species of the *Th. chennelli* species-group is given.

Zusammenfassung: *Therates turnai* n. sp. aus China, Guizhou Provinz wird beschrieben. Das Taxon unterscheidet sich von der ähnlichen *Th. csorbai* Wiesner, 1999 durch das helle Labrum, die Form der Humeral-lunula auf den Flügeldecken und die Form des Aedeagus. Die Arbeit enthält einen Bestimmungsschlüssel zu den chinesischen Arten der *Th. chennelli* Artengruppe.

Key words: Tiger beetles, Carabidae, Cicindelinae, *Therates*, new species, China.

Introduction

While preparing my publication on the members of the *chennelli* species-group of the genus *Therates* (WIESNER 2013) I became aware of the fact that this group is represented by only four species in China. In comparison, 21 species are known from Laos, a country 40 times smaller than China and with a human population density that is 5 times less than China. Thirteen species are known from Vietnam that is 29 times smaller than China but with a human population density that is twice that of China. I predicted that there are several more species to be found in China. Recently, one of these unknown species came into my hand due to the kindness of Jaroslav TURNA, Kostelec na Hane, Czech Republic.

¹⁾ 121. Contribution towards the knowledge of Cicindelinae

Results

Therates turnai n. sp.

(Fig. 1)

Holotype (♂): CHINA, SW Guizhou prov., Xianheping, 24.v.2014, 1300–1700 m, Nat. Res., 24°59'N 105°36'E. SMNS, Staatliches Museum für Naturkunde, Stuttgart, Germany (at present in coll. WIESNER).

Paratypes: 6 ♂ and 6 ♀, l. c., in coll. WIESNER; 13 ♂ and 3 ♀, l. c., in coll. TURNA. 2 ♂ and 1 ♀, CHINA, SW Guizhou prov., Xianheping, 24.v.–18.vi.2014, 1300–1700 m, Nat. Res., 24°59'N 105°36'E, in coll. TURNA. 2 ♂ and 3 ♀, China, SW Guizhou prov., Xianheping, 18.vi.2014, 1300–1700 m, Nat. Res., 24°59'N 105°36'E, in coll. TURNA.

Diagnosis: Using the key of WIESNER (2013: 5) *Th. turnai* n. sp. will end up as the Laotian *Th. csorbai* WIESNER, 1999, from which it is distinguished by the pale labrum, shape of humeral lunule and shape of aedeagus. The presently known Chinese species of the *chennelli* species-group may separate, using the following key.

1. Elytra maculation lacking humeral lunule
..... *tanjuanjieae* Wiesner & Bi, 2014
— Humeral lunule present 2
- 2(1). Elytral maculae variably connected throughout
..... *pseudoconfluens* Sawada & Wiesner, 1999
— Elytral maculae isolated, or at most humeral lunule and central dot
connected 3
- 3(2). Humeral lunule short, not extended onto disk
..... *pseudorugifer pentalabiodentatus* Matalin, 2001
— Humeral lunule long, extended onto disk and diverging away from
marginal suture 4
- 4(3). Central dot subsquare or forming a trapezoidal
..... *montaneus* Werner, 1992
— Central dot not as above *turnai* n.sp.

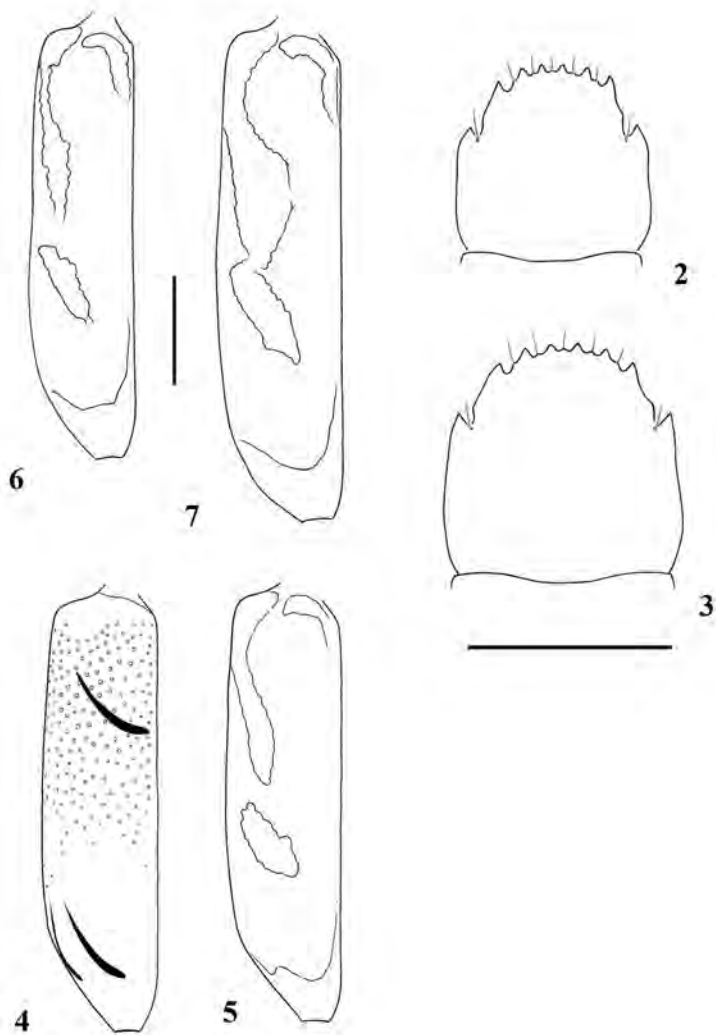
Description

Total length (without labrum) 5.9 mm – 7.8 mm, (mean = 6.6 mm, n=37).

Head: Shining black. Mandibles yellowish, teeth brownish marginally. Labrum (male Fig. 2, female Fig. 3) as wide as long, yellowish, with six apical teeth and one lateral tooth.



Fig. 1: *Therates turnai* n. sp.: habitus holotype male, scale = 5 mm; detail: left lateral view of aedeagus, holotype, scale = 1 mm.



Figs 2–7: *Therates turnai* n. sp.: figs 2–3: labrum: 2) holotype male, 3) paratype female; 4) punctures of elytra, holotype male; figs 5–7: maculae of elytra: 5) holotype male, 6) paratype male, 7) paratype female. Scales = 1 mm.

Labial and maxillary palpi yellowish. Antennae lanceolate, extending posteriorly behind elytral shoulders in males, somewhat shorter in females, scape with a single apical bristle. Antennomeres 2 to 5 glabrous, 6 to 11 finely and evenly pubescent; scape yellowish above, black on underside, all remaining antennomeres blackish, distal antennomeres in the male slightly broader. Clypeus glabrous. Frons smooth, with a transverse furrow in the posterior part of the orbital plates.

Thorax: Pronotum shining black, barely longer than wide, constricted in front and at back, transverse furrows strong, middle line and lateral lines nearly obsolete.

Elytra: Shining brownish black, with basal and apical humps, distinctly punctate in front, puncturation nearly absent in apical third (Fig. 4). Some of the punctures are connected in short rows, especially behind the basal humps and near the middle suture. Apex with sutural corner, rounded laterally, straight or slightly recurved inbetween. Maculation brownish yellow, comprised of a long slender humeral lunule, a basal dot of various extension, a slender central dot, which is acutely angled outwards towards the front and connected with the humeral lunule in some specimens, and an apical dot of various extension (Figs 5–7).

Ventral aspect: Venter black, ventrites brownish at lateral margin. Legs brownish, tarsomeres somewhat darker distally.

Aedeagus (Fig. 1): 1.8 mm long, straight, tip produced with a small hook distally.

Etymologie: The new species is dedicated to Jaroslav TURNA, who first collected this interesting new species.

Acknowledgements

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Reference

WIESNER, J. (2013): The *chennelli* group of the Genus *Therates* Latreille (Coleoptera, Cicindelidae). 114. Contribution towards the knowledge of Cicindelidae. – *Insecta Mundi* **0315**: 1–86.

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