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Straneostichus farkaci sp. n. from China (Coleoptera: Carabidae: Pterostichinae)

Straneostichus farkaci sp. n. z Číny (Coleoptera: Carabidae: Pterostichinae)

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Taxonomy, description, key, *Straneostichus farkaci* sp. n., Coleoptera, Carabidae, Pterostichinae, China

Abstract. A new species, *Straneostichus farkaci*, is described and illustrated from specimens from China (northern Yunnan). It differs easily from all known species by the absence of the basal seta of the pronotum. A key to all taxa classified to the genus *Straneostichus* Sciaky, 1994 is provided.

The study of recently collected material of Carabidae from China by the new entomological expeditions allowed me to discover another new species of the genus *Straneostichus*, recently described by me (Sciaky 1994). It is similar to the other four species of the genus, but it is very peculiar in lacking the basal seta of the pronotum. The description of the new species follows.

Straneostichus farkaci sp. n.

(Figs 1 - 6)

Diagnosis. A *Straneostichus* of small size (10.9 - 11.8 mm), with head smooth, pronotum not sinuate towards base, with two-three lateral setae and no basal seta. Elytra metallic green or coppery, rather wide and rounded.

Description (habitus of holotype as in Fig. 1). Size 10.9 - 11.8 mm. Colour metallic green or coppery on head, pronotum and elytra.

Head smooth, frontal sulci moderately deep, eyes very big and convex. Mouthparts blackish. Pronotum strongly transverse; sides completely rounded from anterior margin to base. Anterior angles weakly projecting forward, basal angles largely obtuse. Anterior margin almost straight, base weakly bisinuate. Basal impression single, rounded, deep and impunctate; lateral bead narrow and well-defined almost to hind angles. Two or three setiferous punctures along sides, around middle, no basal setiferous puncture.

Elytra wide, evenly rounded at sides, widest in middle, with rounded shoulders. Basal margin continuously curved with lateral margin. Striae deep and impunctate, intervals distinctly convex. Legs moderately long and slender, completely black.

Aedeagus (Figs 2 - 5) long and slender, apex sinuate, dilated in preapical portion. Ostium completely on right side, like in all species of *Straneostichus*. Right paramere (Fig. 6) quite long, bent at obtuse angle almost in the middle.

Type material. Holotype, male, labelled: N Yunnan, 27.49N 99.34E, mts. 15 km W of Zhongdian, 3800-4200 m, 22.-24.vi.1994, lgt. J. Farkač & D. Král. In the collection J. Farkač (Praha).

Paratypes: four males and one female collected with holotype. In the collections of Naturhistorisches Museum Basel, J. Farkač (Praha) and R. Sciaky (Milano).

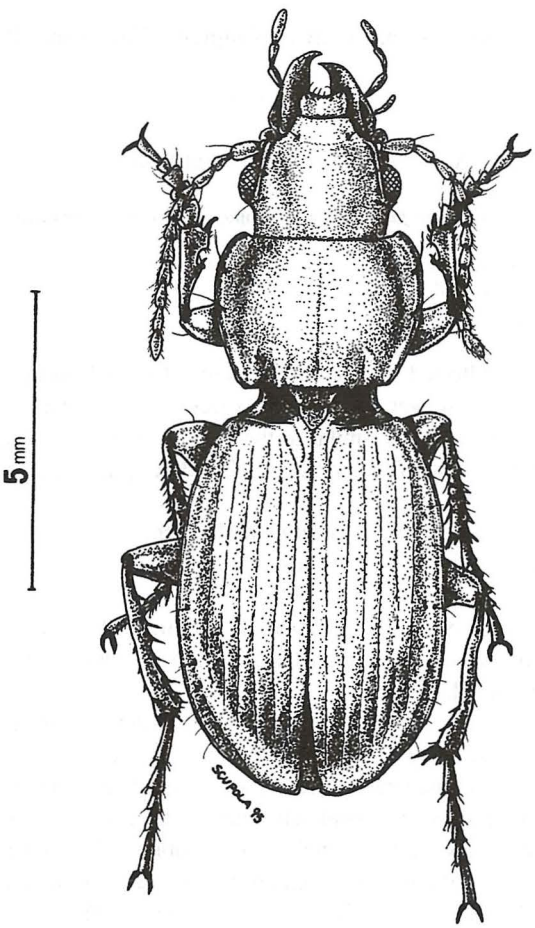


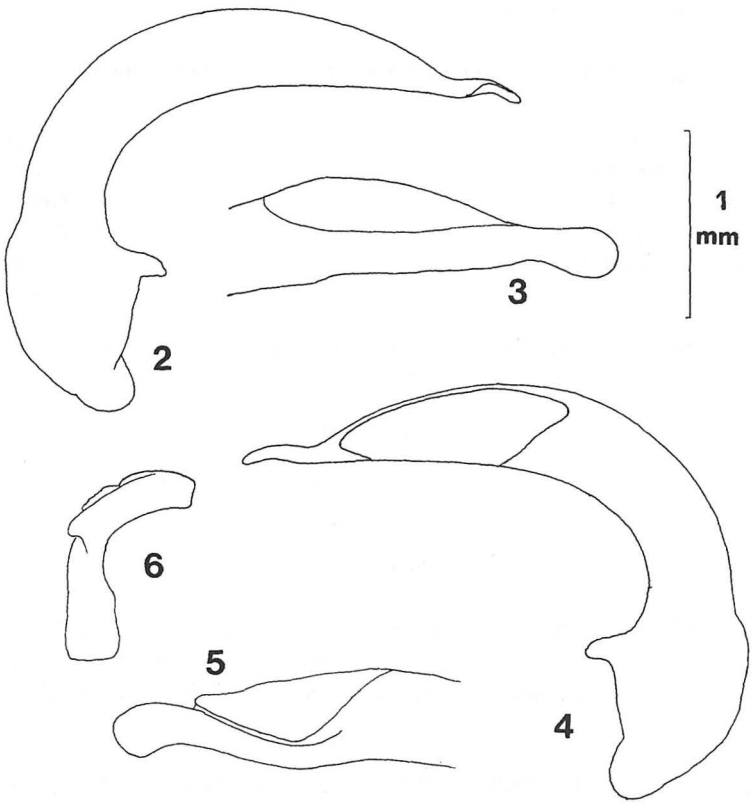
Fig. 1. *Straneostichus farkaci* sp. n.: habitus.
Obr. 1. *Straneostichus farkaci* sp. n.: habitus.

Differential diagnosis. This species differs distinctly from the other known species of *Straneostichus*. It is the only species with out the basal setiferous puncture on the pronotum, and the pronotum is completely different from those of all other species in being strongly transverse and with rounded basal angles (Fig. 1 and see also Figs 1-4 in Sciaky 1994). The smooth head and the multiple lateral setae of the pronotum seem to suggest a close relationship with the vignai-group (Sciaky 1994) (including *S. vignai* Sciaky, 1994 and *S. kirschenhoferi* Sciaky, 1994). The aedeagal shape does not provide substantial information; it is different from those of the ot-

her species, but the differences are comparable to those observed in previously known species (Figs 2-6 and see also Figs 5-28 in Sciaky 1994).

Straneostichus farkaci sp. n. has been collected in one locality in northern Yunnan. The only species known at present from Yunnan was *S. kirschenhoferi*, the largest species of the genus, dark metallic green, with pronotum strongly sinuate before basal angles.

Future research will possibly lead to the discovery of further species of this interesting genus, that, judging from the aedeagal characters, is very evolved. It is still endemic to the provinces of Sichuan, Gansu and Yunnan.



Figs 2-6. *Straneostichus farkaci* sp. n.: aedeagus in left lateral (2), dorsal (3), right lateral (4) and ventral (5) view and right paramere in right lateral view (6).
Obr. 2-6. *Straneostichus farkaci* sp. n.: aedeagus v levém bočním (2), dorzálním (3), pravém bočním (4) a ventrálním (5) pohledu a pravá paramera zprava bočně (6).

Derivatio nominis. This species is dedicated to my dearest friend Dr Jan Farkač from Praha, for always helping me in many ways in my studies on Pterostichinae.

Collection circumstances. The type series was taken in mixed forest (also with rhododendrons) from under bark of relatively freshy felled trees at the elevation 4000-4200 m together with *Cychrus chareti* Deuve, 1993 and *Bhutanotrechus farkaci* Deuve, 1995.

KEY TO THE SPECIES AND SUBSPECIES OF *STRANEOSTICHUS* SCIAKY, 1994

1 basal angles of pronotum with seta; lateral margins sinuate 2
- basal angles of pronotum without seta; lateral margins not sinuate ..... *S. farkaci* sp. n.
2 three or four setiferous punctures on the sides of pronotum, head smooth 3
- only one setiferous puncture on the sides of pronotum, head punctate 5
3 basal angles of pronotum right, color violet 4
- basal angles of pronotum obtuse, color dark green ..... *S. kirschenhoferi*
4 shoulders completely rounded, aedeagus with apex not sinuate ..... *S. vignai ssp. vignai*
- shoulders weakly angulate, aedeagus with apex sinuate ..... *S. vignai ssp. romani*
5 elytra very short and wide (length/width ratio < 1.5) ..... *S. fischeri*
- elytra longer and slenderer (length/width ratio > 1.5) ..... *S. ovipennis*

LIST OF *STRANEOSTICHUS* SPECIES AND SUBSPECIES

S. fischeri Sciaky, 1994	Southern Gansu
S. kirschenhoferi Sciaky, 1994	Northern Yunnan
S. ovipennis Sciaky, 1994	Northern Sichuan
S. vignai vignai Sciaky, 1994	Northern Sichuan
S. vignai romani Sciaky, 1994	Western Sichuan
S. farkaci sp. n.	Northern Yunnan

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SOUHRN

Straneostichus farkaci sp. n. je popsán z hor severozápadního Yunnanu. Druh se liší od dosud známých druhů rodu *Straneostichus* absencí basální sety pronota a jeho odlišným tvarem (obr. 1, cf. Sciaky 1994, obr. 1-4). Je pojmenován na počest mého přítele Dr. Jana Farkače z Prahy.

KLÍČ DRUHŮ A PODDRUHŮ RODU *STRANEOSTICHUS* SCIAKY, 1994

1 zadní rohy štítu se štětinkou, laterálně vykrojené 2
- zadní rohy štítu bez štětinky, laterálně nevykrojené ..... *S. farkaci* sp. n.
2 postranní okraj štítu se třemi nebo čtyřmi porojamkami, hlava hladká 3
- postranní okraj štítu jen s jednou porojamkou, hlava tečkovaná 5
3 zadní rohy štítu pravoúhlé, barva fialová 4
- zadní rohy štítu tupoúhlé, barva světle zelená ..... *S. kirschenhoferi*
4 ramena krovek úplně zaokrouhlená, aedeagus v bočním pohledu s přímou špicí ..... *S. vignai* ssp. *vignai*
- ramena krovek se slabě naznačeným úhlem, aedeagus v bočním pohledu před špicí zahnutý ..... *S. vignai* ssp. *romani*
5 krovky krátké a široké (poměr délky a šířky je menší než 1.5) ..... *S. fischeri*
- krovky dlouhé a úzké (poměr délky a šířky je větší než 1.5) ..... *S. ovipennis*