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A NEW SPECIES OF THE GENUS *METIOCHODES* CHOPARD, 1932 (ORTHOPTERA: GRYLLIDAE) FROM CHINA

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Metiochodes denticulatus sp. n. is described and illustrated from Guizhou Province, SW China. Holotype is deposited in the Hebei University Museum (China). A distribution map of all known species of the genus *Metiochodes* is given.

KEY WORDS: Gryllidae, *Metiochodes*, geographical distribution, new species, China.

Лю Хао-Юй¹⁾, Ши Фу-Мин²⁾. Новый вид рода *Metiochodes* Chopard, 1932 (Orthoptera: Gryllidae) из Китая // Дальневосточный энтомолог. 2011. N 235. С. 1-5.

Из провинции Гуйчжоу в ЮЗ Китае описан *Metiochodes denticulatus* sp. n. Голотип нового вида хранится в музее Хэбэйского университета (КНР). Дана карта распространения всех известных видов рода *Metiochodes*.

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INTRODUCTION

The genus *Metiochodes* was established by Chopard (1932) for *Metiochodes flavescens* Chopard, 1932. Up to now, seventeen species of this genus was described from Oriental, Australian and African regions; among them, one species, *M. karnyi* (Chopard, 1930), is divided in two subspecies (Eades et al., 2011). Five species are currently known from South China (Li et al., 2010).

A new species of this genus from China is described below. The holotype of a new species is deposited in the Hebei University Museum (HBUM).

TAXONOMY

Genus *Metiochodes* Chopard, 1932

Metiochodes Chopard, 1932: 13; Chopard, 1936: 49; Chopard, 1951: 477; Chopard, 1968: 337; Chopard, 1969: 299; Otte, 1994: 42; Yin & Liu, 1995: 31; Li et al., 2010: 43.

Type species: *Metiochodes flavescens* Chopard, 1932, by original designation.

DIAGNOSIS. Body small-sized and slender. Head with vertex flattened, eyes mostly lengthened horizontally, last joint of maxillary palpus short and wide. Pronotum transverse. Fore tibia with large internal tympanum and small external tympanum. Hind tibia with three pairs of spines dorsally. Tegmen with finely pubescence, venation similar in both sexes, hind wings developed. Male genitalia varied, but that of type species unknown. Ovipositor acinaciform, with acute teeth along all margins.

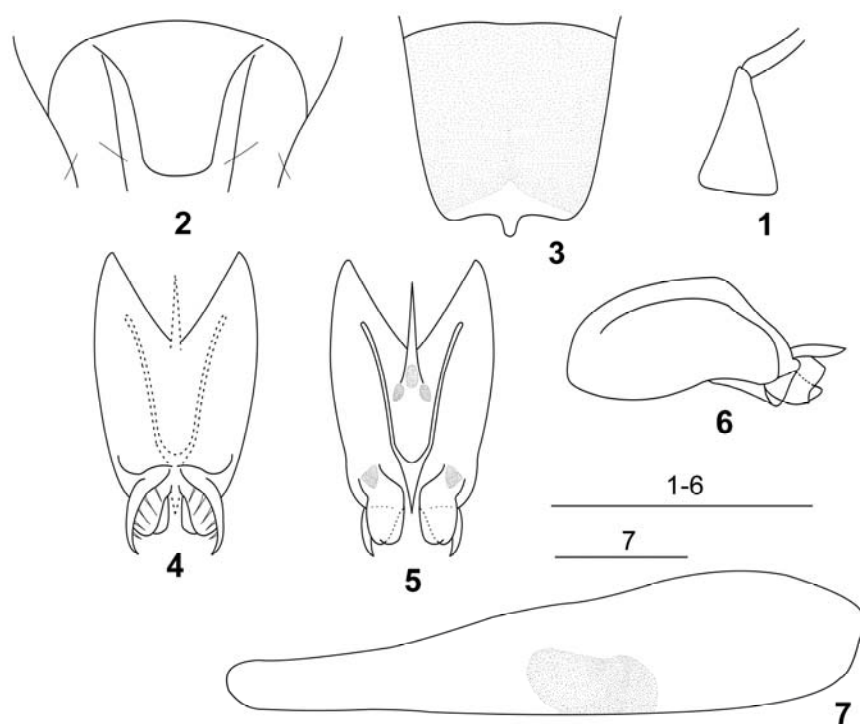
COMPOSITION. Eighteen species in the tropical and subtropical regions of the Old World (Fig. 8). Among them, one species is widely distributed in China, Vietnam and Malaysia, one species is mentioned from India and Sri Lanka, and all other species are known from the type localities only.

Metiochodes denticulatus Liu et Shi, sp. n.

Figs 1–7

MATERIAL. Holotype – ♂, **China**: Guizhou Province, Rongjiang, Xiaodanjiang, 18.IX 2005 (leg. Liu Hao-Yu).

DESCRIPTION. MALE: Head as wide as that of anterior margin of pronotum, vertex flattened; frontal rostrum slightly wider than scapus; eye large and lengthened horizontally; last joint of maxillary palpus triangular, and shorter than 3rd joint. Pronotum transverse, widened posteriorly, anterior margin straight, posterior margin almost straight; lateral lobes of pronotum with anterior angle widely rounded, posterior angle narrowly round, lower margin straight. Tegmen long, extending to apex of abdomen, covered with fine pubescence; dorsal field with five longitudinal veins, of which three veins on inner part indistinct, transverse veins indistinct; lateral



Figs. 1-7. *Metiochodes denticulatus* sp. n., male. 1 – apical joint of maxillary palpus, lateral view; 2 – supra anal plate, dorsal view; 3 – subgenital plate, ventral view; 4 – male genitalia, dorsal view; 5 – the same, ventral view; 6 – the same, lateral view; 7 – hind femur, outer view. Scale bars = 1 mm.

field with four oblique subcostal veinlets; hind wings long, 1.5 times as long as tegmen. Fore tibia with a large and oblong internal tympanum and a small and ovoid external tympanum. Hind tibia with three pairs of spines dorsally and five spurs apically.

Supra anal plate slightly wide at base, narrowed posteriorly (Fig. 3). Subgenital plate wide at base, slightly narrowed posteriorly, with a small protuberance in middle of posterior margin (Fig. 4). Genitalia: lateral lobes of epiphallus falciform, with several thin teeth along inner margins (Figs. 5-7).

Coloration. Body yellow. Face, eye and first two joints of antenna dark brown; fore and mid femora light brown; hind femur with a dark band on outer side.

FEMALE. Unknown.

MEASUREMENTS. Length (in mm): body 6.5; body with wing 10.4; pronotum 1.0; tegmen 5.0; posterior femur 4.9.

DIAGNOSIS. The new species resembles *Metiochodes tibeticus* Li, He et Liu, 2010, but differs in the lateral lobes of epiphallus crescent, with several thin teeth along inner margins, and hind femur yellow, with a dark band on outer side (in *M. tibeticus* the lateral lobes of epiphallus nearly triangular, without teeth along inner margins, and hind femur entirely yellow).

ETYMOLOGY. From Latin '*denticulatus*' – dentate, referring to the lateral lobes of epiphallus with several thin teeth along inner margins.

DISTRIBUTION. CHINA: Guizhou.

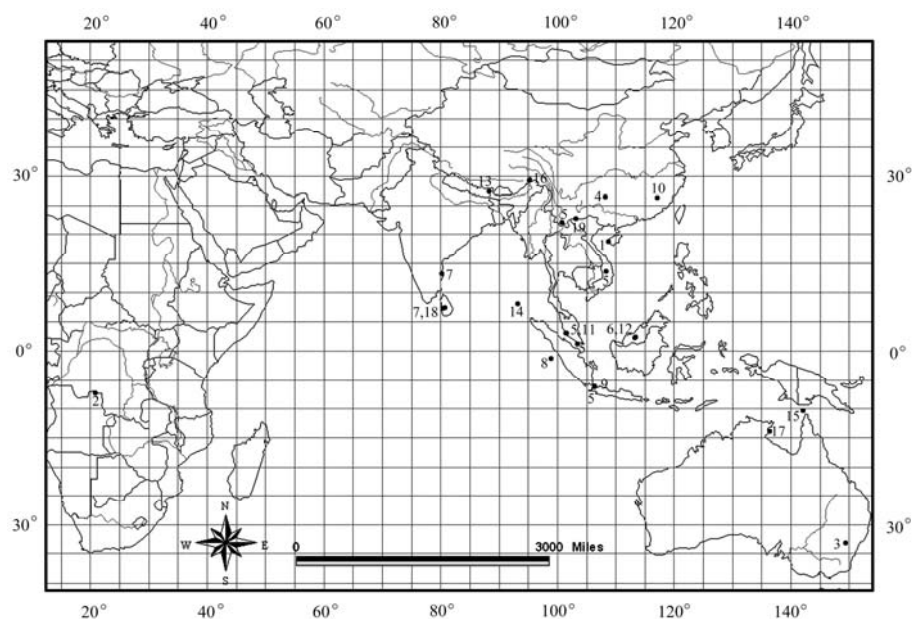


Fig. 8. Distribution of the species of the genus *Metiochodes*. 1 – *M. acutiparamerus* Li, He et Liu, 2010; 2 – *M. annulicercis* Chopard, 1961; 3 – *M. australicus* Chopard, 1951; 4 – *M. denticulatus* sp. n.; 5 – *M. flavescens* Chopard, 1932; 6 – *M. fulvus* Chopard, 1940; 7 – *M. greeni* (Chopard, 1925); 8 – *M. karnyi albifrons* (Chopard, 1929); 9 – *M. karnyi karnyi* (Chopard, 1930); 10 – *M. minor* Li, He et Liu, 2010; 11 – *M. ornatus* Chopard, 1969; 12 – *M. platycephalus* Chopard, 1940; 13 – *M. sikkimensis* Bhowmik, 1968; 14 – *M. striatus* Bhowmik, 1970; 15 – *M. thankolomara* Otte et Alexander, 1983; 16 – *M. tibeticus* Li, He et Liu, 2010; 17 – *M. tindalei* Chopard, 1951; 18 – *M. trilineatus* Chopard, 1936; 19 – *M. truncatus* Li, He et Liu, 2010.

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