



Improved diagnosis for *Cephennodes pseudobos* Jałoszyński (Coleoptera: Staphylinidae: Scydmaeninae)

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The *Cephennodes bos* Jałoszyński & Nomura group contains six species distributed in Vietnam and China, which is characterized primarily by the presence of a large, angulate, and usually transverse projection on male antennomere 3 (Jałoszyński & Nomura 2009; Jałoszyński 2015, 2016). Differentiation of the species within the group relies on the shape and structure of the male clypeus and frons, the size and shape of the projection of antennomere 3, and fine details of the aedeagus, in particular the shape of the apical portion of the capsular part of median lobe (e.g., Jałoszyński 2015: 228). Recent collecting effort made at Huaping Nature Reserve, SW China revealed a series of new material of *C. pseudobos* Jałoszyński from two new localities. After dissecting the male genital structures and a careful comparison, we found the aedeagus of this species bears notable intraspecific variation, which is documented here.

Cephennodes pseudobos Jałoszyński, 2015 (Fig. 1)

Chinese common name: 拟牛角卵苔甲

Cephennodes pseudobos Jałoszyński, 2015: 227. Type locality: China: Guangxi Prov., Lin'gui County, Huaping N. R., Anjiangping, alt. 1400–1700 m.**Material examined** (7 exx). 4 ♂♂, 'China: Guangxi, Guilin City, Lingui District, Anjiangping, Xiao'guangfuding, 25°33'43.49"N, 109°55'40.91"E, 1790 m, 27.v.2023, Peng, Zhou & Duan leg., 广西临桂安江坪小广福顶"; 2 ♂♂, 1 ♀, 'China: Guangxi, Guilin City, Longsheng County, Liushuiyan Village, 25°33'41.9"N, 109°57'33.7"E, 1290 m, 29.v.2023, Peng, Zhou & Duan leg., 广西龙胜流水岩村 (SNUC = Insect Collection of Shanghai Normal University).**Updated diagnosis.** [Modified from Jałoszyński 2015] *Male*. Body (Fig. 1A) length 2.05–2.18 mm (2.05–2.16 mm of the new material, 2.08–2.18 mm in original description); frons with median longitudinal area (Fig. 1B) that is more densely punctate than other areas of head, this area extending anteriorly to base of clypeus; in full view projection of antennomere 3 greatly angularly expanded on mesal margin, this projection slightly more than twice as wide as long, antennomere VII 1.2–1.3× as long as wide, antennomere 11 slightly longer than 9 and 10 combined (27: 23); aedeagus (Fig. 1D–F) with apex of median lobe in dorso-ventral view broadly to narrowly rounded, apical margin smooth or with small angulation. *Female*. May be identified only by the association with male; punctures on frons and clypeus evenly distributed, lacking a densely punctate line along middle.**Description.** For a detailed description refer to Jałoszyński (2015).**Distribution.** Southwestern China: Guangxi.**Remarks.** The newly acquired material suggested that the aedeagal structures among populations of a same *Cephennodes* species within even a small geographical area can show considerable degree of variation. The population of Xiao'guangfuding has the aedeagus more similar to that from the type locality, with the apex of the median lobe broadly rounded (Fig. 1F), while the population of Liushuiyan has the aedeagus slightly larger (0.39 mm vs. 0.37 mm), and the apex of the median lobe is much narrower and slightly angulate (Fig. 1D). These populations, especially that from Liushuiyan, can be easily identified as conspecific with the type locality population, based on almost identical external characters (Fig. 1A–C) that are diagnostic for the species.

We caution that the search and examination of material of a same species from as many localities as possible may be essential for future taxonomic study of Cephenniini, peculiarly determining the range of morphological variation of the aedeagus.

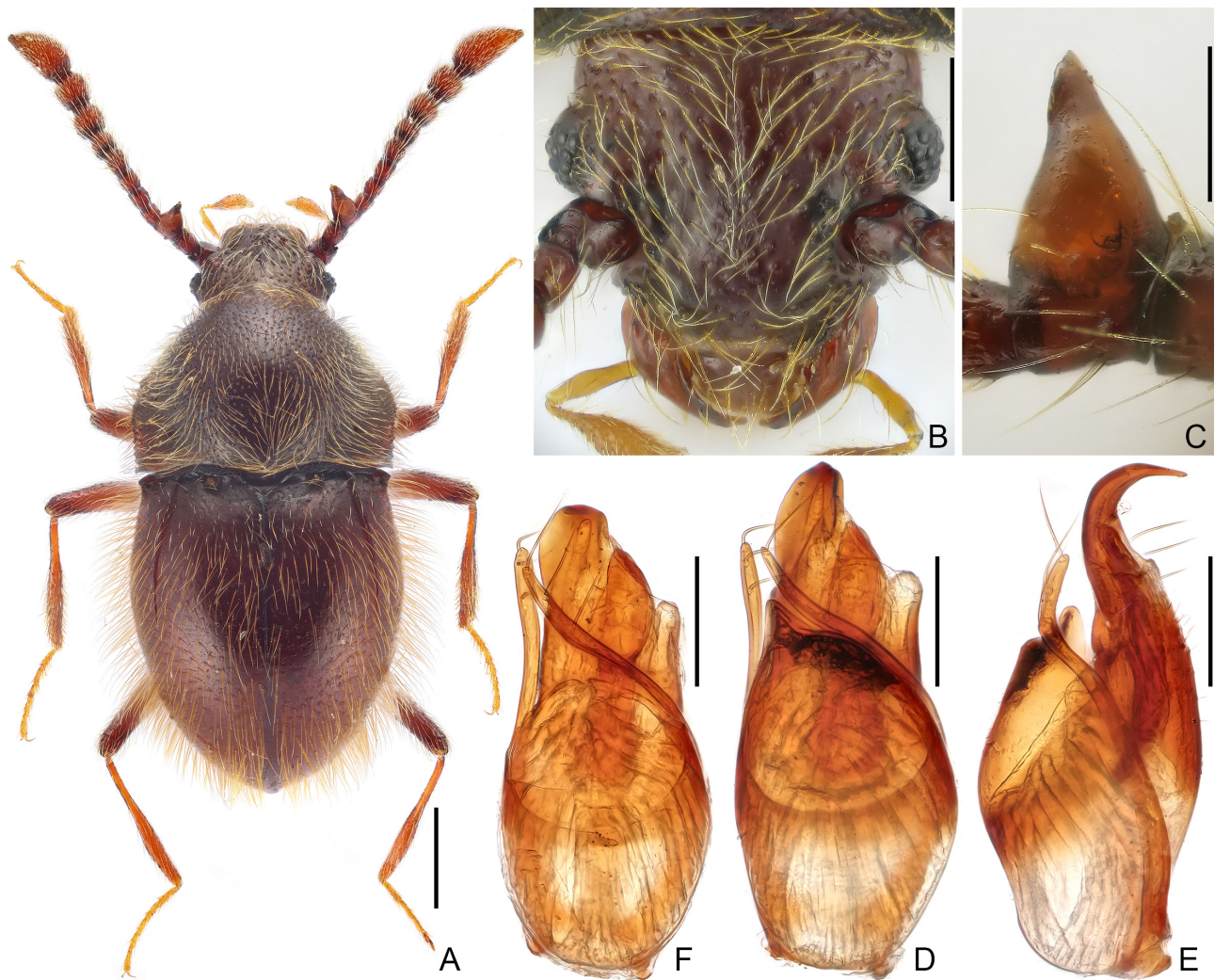


FIGURE 1. Habitus and diagnostic characters of male *Cephennodes pseudobos* Jałoszyński (A–E. Population of Liushuiyan. F. Population of Xiao’guangfuding). **A.** Dorsal habitus. **B.** Head dorsum, showing punctation of frons and clypeus. **C.** Projection of antennomere 3. **D–F.** Aedeagus, ventral (F, D), and lateral (E). Scale bars: 0.5 mm in A; 0.2 mm in B; 0.1 mm in C, D–F.

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拟牛角卵苔甲 *Cephenodes pseudobos* 鉴定特征补充 (鞘翅目: 隐翅虫科: 苔甲亚科)

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