

Bolitobius princeps (Sharp) (Coleoptera: Staphylinidae: Tachyporinae) New to Korea

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한반도 미기록 갈색어깨무늬뽕족반날개 [딱정벌레목: 반날개과: 뽕족반날개아과]의 보고

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ABSTRACT: *Bolitobius princeps* (Sharp) is identified for the first time in the Korean Peninsula. Illustrations of habitus and diagnostic characters are provided.

Key words: Coleoptera, Staphylinidae, Tachyporinae, *Bolitobius*, Korea

초 록: 갈색어깨무늬뽕족반날개 [*Bolitobius princeps* (Sharp)]를 한반도에서 처음으로 보고한다. 외형사진과 식별형질의 그림을 제시한다.

검색어: 딱정벌레목, 반날개과, 뽕족반날개아과, 어깨무늬뽕족반날개속, 한국

The tachyporine genus *Bolitobius* Leach contains 20 species in the Palearctic region including two species in Russia (Far East), three species in China (North-East), and four species in Japan. In Korea, *Bolitobius parasetiger* Schülke and *Bolitobius setiger* (Sharp) have been recorded (Ahn et al., 2017). They are found from fungi.

Members of *Bolitobius* are characterized by the combination of the following features: head small; labial palpus with 3 palpomeres, apical palpomere very large; elytra longer than pronotum with five discal rows. As a result of a taxonomic study of Korean *Bolitobius*, we discovered *Bolitobius princeps* (Sharp) for the first time in Korea. Photographs of adult habitus

and diagnostic characters with line drawing are provided.

Materials and Methods

The specimens used in this study are deposited in the Chungnam National University Insect Collection (CNUIC), Daejeon, Korea.

Taxonomic accounts

Genus *Bolitobius* Leach, 1819

Bolitobius princeps (Sharp, 1874) 갈색어깨무늬뽕족반날개 (신칭) (Figs. 1~7)

Megacronus princeps Sharp, 1874: 19; 1888: 461.

Bryocharis princeps Bernhauer & Schubert, 1916: 464.

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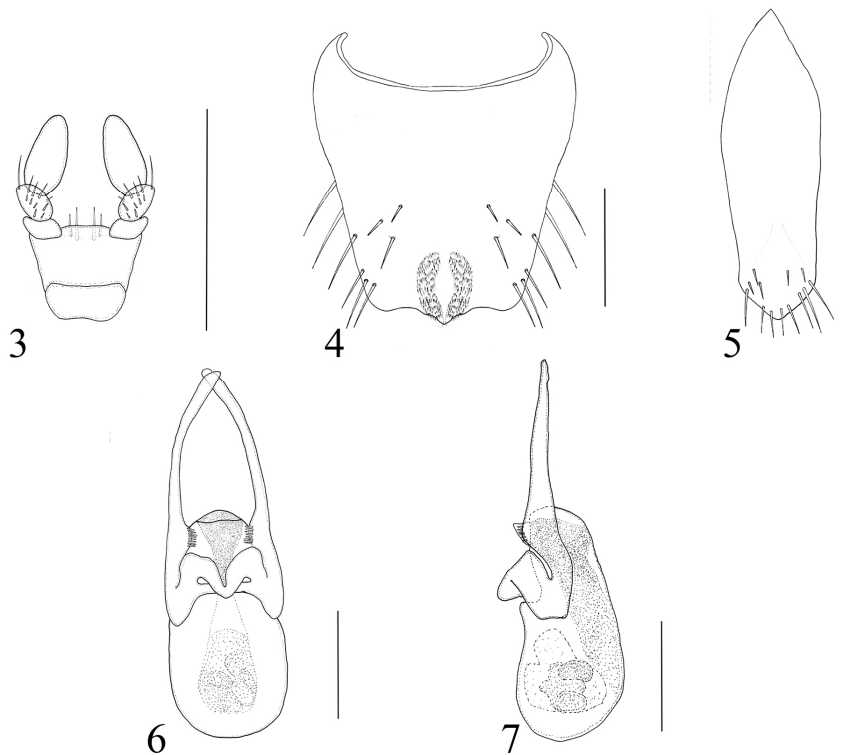


Figs. 1-2. *Bolitobius princeps*. 1: Habitus, dorsal view, 5.9 mm; 2: habitus, lateral view.

Bolitobius princeps: Nakane, 1963: 95; Schülke, 1993: 757; L.-Z. Li and Sakai, 1998: 84; Herman, 2001: 696.

Diagnosis. Body length 5.8-6.2 mm. Head, pronotum and abdomen black; elytra brown; antennomeres 1-2 brown, 3-7 or 3-9 black, 8-11 or 10-11 light yellow; mouthparts brown; legs reddish brown to black. Head small, ocular setae as long as eye length. Antenna long, relative length of 11 antennomeres 15: 7: 10: 9: 8: 8: 7: 7: 7: 7: 15. Labial palpus (Fig. 3) with apical palpomere large, 2.8 times as long as second. Pronotum convex. Elytra 2.1 times as long as wide; setigerous punctures arranged in rows; sutural row with 12; posterior row with 5-6, lateral row with 12, each discal row with 9-11 punctures. Male sternite VIII (Fig. 4) with a pair of patches of setae on middle of apex; male sternite IX (Fig. 5) with some setae on apex. Paramere (Figs. 6, 7) long, slender and curved with 7-8 setae on middle. Median lobe robust; internal sac well sclerotized.

Materials examined. KOREA: Chungnam Prov.: 1♂, Daejeon-city, Dong-gu, Daejeon Univ., 1 VII-22 VII 2006, Malaise trap; 2♂2♀, Daejeon-city, Dong-gu, Daejeon Univ.,



Figs. 3-7. *Bolitobius princeps*. 3: Labium, ventral view; 4: male sternite VIII, ventral view; 5: male sternite IX, ventral view; 6: male genitalia, dorsal view; 7: male genitalia, lateral view. Scale bars = 0.5 mm.

1-17 V 2006, Malaise trap (1♂ 1♀ on slide) 1♂, Daejeon-city, Dong-gu, Daejeon Univ., 16 V-5 VI 2006, Malaise trap; 1♂, Daejeon-city, Dong-gu, Daejeon Univ., 21 VII - 9 VIII, Malaise trap; 1♂ on slide, Daejeon-city, Yuseong-gu, Chungnam Univ., 15 V-4 VI 2003, JH Choi, DH Lee, SM Choi, *ex* FIT; 1♂, Daejeon-city, Yuseong-gu, Chungnam Univ., 4-18 VI 2003, JH Choi, DH Lee, SM Choi, *ex* FIT; 1♂, Buyeo-gun, Gyuam-myeon, Sumok-ri, 1-15 VI 2005, JW Lee, *ex* Malaise trap.

Distribution. Korea, China (Beijing, Jilin), Japan.

Remarks. This species can be easily distinguished from the other Korean species by brown elytra and male sternite VIII with a pair of patches of setae.

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