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Pentatoma parametallifera ZHENG et LI
(Heteroptera, Pentatomidae) from South Korea,
with Description of the Male Genitalia

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Abstract *Pentatoma parametallifera* Zheng et Li is recorded from South Korea, and its distribution, size variation and male genitalia are described.

Key words: Heteroptera; Pentatomidae; *Pentatoma parametallifera*; male genitalia; Korea.

ZHENG and LI (1991) described a new species, *Pentatoma parametallifera*, based on one female from China (Heilongjiang Prov., Mt. Maoershan). It is separated from *P. metallifera* MOTSCHULSKY in the larger size, more protruded humeral angles, longer spine at the base of abdomen and the form of meta-thoracic scent-gland channel. BELOUSOVA (1993) reported further 3 females, each from North Eastern China (Jilin Prov.), North Korea (Pung-Tung) and the Primorsk Territory of Russia; she figured also the spermathecae of *P. parametallifera* and *P. metallifera* and showed sufficient differences between them.

In South Korea, *P. parametallifera* is more widely distributed than *P. metallifera*, but they were confused up to the present. The species illustrated as *P. metallifera* by the first author (LEE, 1971) refers to *P. parametallifera*. As the male genitalia of the two species have been unknown till now, we describe here on them.

The examined materials are kept in the collections of C. E. LEE, S. MIYAMOTO and of several universities in Korea.

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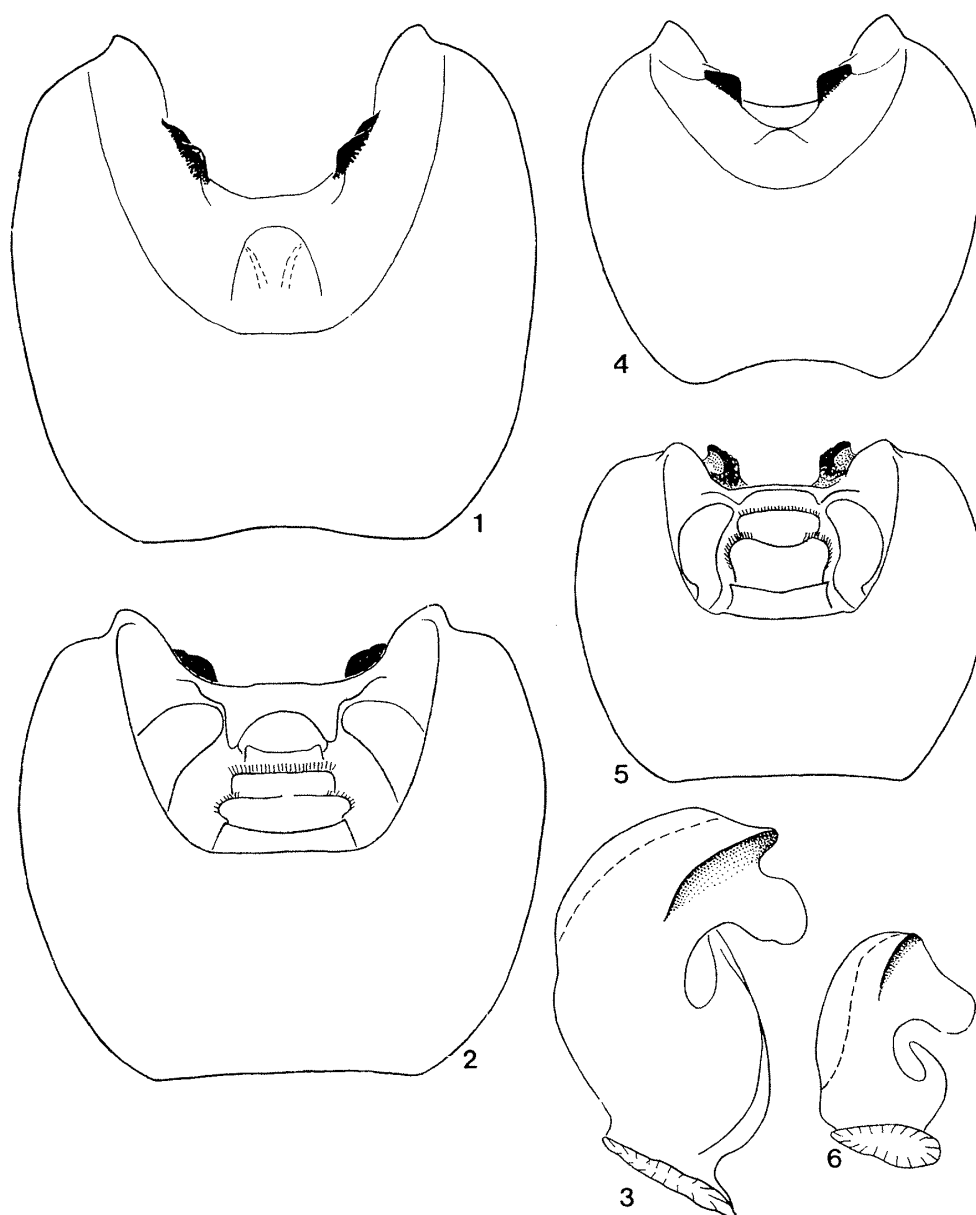
Pentatoma parametallifera JHENG et LI, 1991

(Figs. 1–3, 7–8)

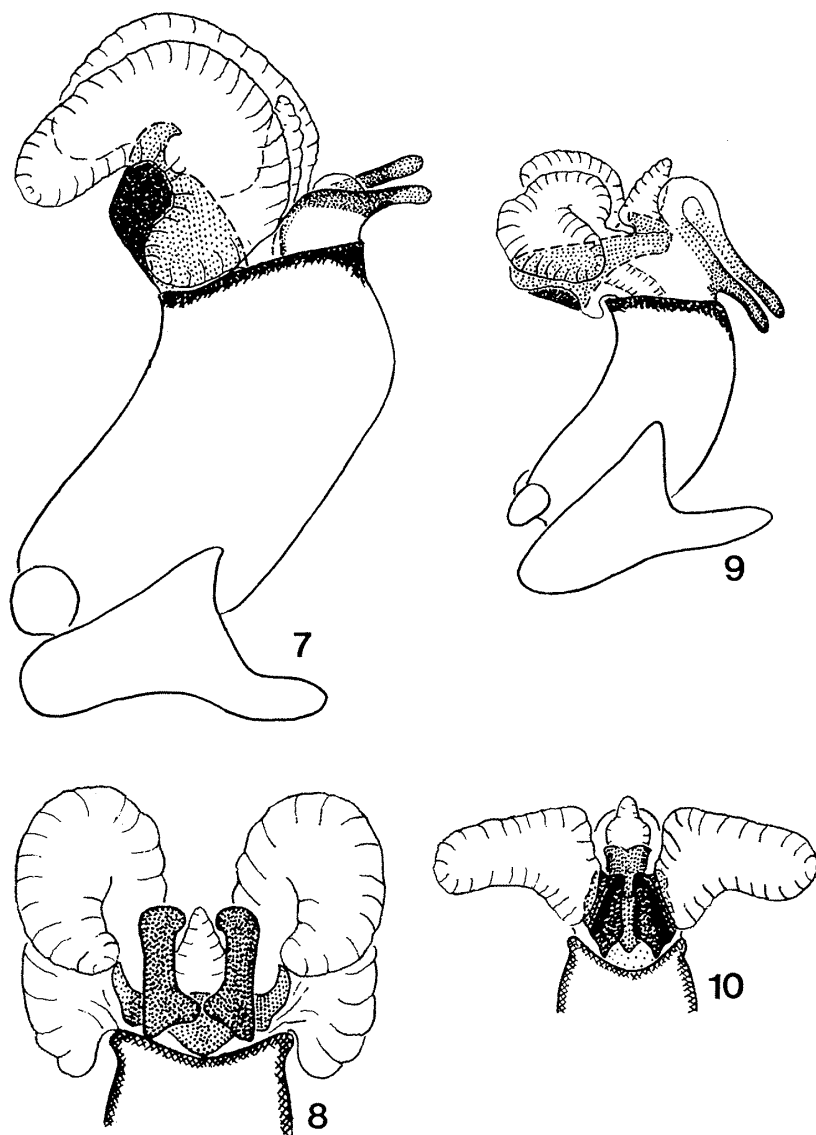
Pentatoma metallifera (nee MOTSCHULSKY, 1859): LEE, 1971: 203, textfigs. 1, 2, 7–9; Pl. 7, fig. 57 in col.

Pentatoma parametallifera ZHENG et LI, 1991: 311–314, figs. 1, 3, 5; BELOUSOVA, 1993: 62–63, figs. 1, 2, 4, 5, 10.

Size variation in the South Korea specimens. Length: males, 20.5–24.0 mm,



Figs. 1–6. *Pentatoma* spp., male genital segment (1, 4, ventral view; 2, 5, dorsal view) and paramere (3, 6). — 1–3, *P. parametallifera*; 4–6, *P. metallifera*.



Figs. 7–10. *Pentatoma* spp., aedeagus (7, 9, lateral view; 8, 10, apical part). — 7–8, *P. parametallifera*; 9–10, *P. metallifera*.

females, 23–25 mm; width across humeral angles: males 14–17 mm, females 16.5–18.0 mm; width across abdomen: males, 11.0–12.5 mm, females, 12–13 mm.

Male genitalia. All structures significantly larger than in *P. metallifera* and differing in many details. Ventro-apical protuberances of genital segment rounded and incised near the middle (subquadrangular in *P. metallifera*). Each paramere with strongly sinuate distal margin (less sinuate in *P. metallifera*). Vesica with a pair of bilobed membranous projections (simple in *P. metallifera*).

Localities of examined specimens: Provinces Kangwondo (Mt. Seolaksan), Kyonggido (Kwangneung), Chollanamdo (Jeonnam), Kyongsangpukto (Mt.

Cheongryangsan, Mt. Palgongsan, Mt. Sobaeksan), Kyongsangnamdo (Mt. Chirisan, Haeinsa, Mt. Kajisan) and from the Ulleungdo (wrongly indicated as Chejudo in the distribution of *P. metallifera* by LEE and KWON, 1991).

P. metallifera is known to us only from Province Kangwondo (Mt. Odaesan, Mt. Seolaksan), the northernmost part of south Korea.

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