

Genus *Hoplitis* Klug, 1807 (Hymenoptera: Megachilidae) New to Korea

한국 미기록인 *Hoplitis* 속(벌목: 가위벌과)의 1종 보고

Heung-Sik Lee* and Kun-Suk Woo

이흥식* · 우건석

Abstract – The specimens belonging to the genus *Hoplitis* Klug, 1807, new to Korea are collected and identified as *H. scita* (Eversmann, 1852).

Key Words – Hymenoptera, Megachilidae, *Hoplitis*, Taxonomy, Korea

초 록 – 한국산 가위벌과에 대한 연구 중 미기록 속인 *Hoplitis* 속의 *H. scita* (Eversmann, 1852) 어리민빨가위벌을 채집하고 동정하여 보고한다.

검색어 – 벌목, 가위벌과, *Hoplitis* 속, 분류, 한국

The genus *Hoplitis* is similar to the genus *Osmia* but is separated from the latter by following characters: the parapsidal line of mesonotum is linear form; anterior face of metasomal tergum I is not separated from dorsal face by distinct carina, and often somewhat convex except for median impressed line.

It is widely distributed in Holarctic region, but has not been recorded in Korea and Japan yet. However, the reexamination of the specimens in our hands previously identified as *O. jacoti* Cockerell 1929 revealed that a few of the specimens actually contained some individuals of genus *Hoplitis*.

H. scita (Eversmann, 1852) is the first species of genus *Hoplitis* recorded from Korea and more species are likely to be added to the list.

All specimens used in this study are preserved in the Museum of College of Agriculture and Life Sciences, Seoul National Univ., Suwon, Korea. Abbreviations for the provinces of Korea are as follow: GG- Gyeonggido;

GW- Gangweondo.

Systematic Accounts

Genus *Hoplitis* Klug, 1807 어리민빨가위벌속 (신칭)

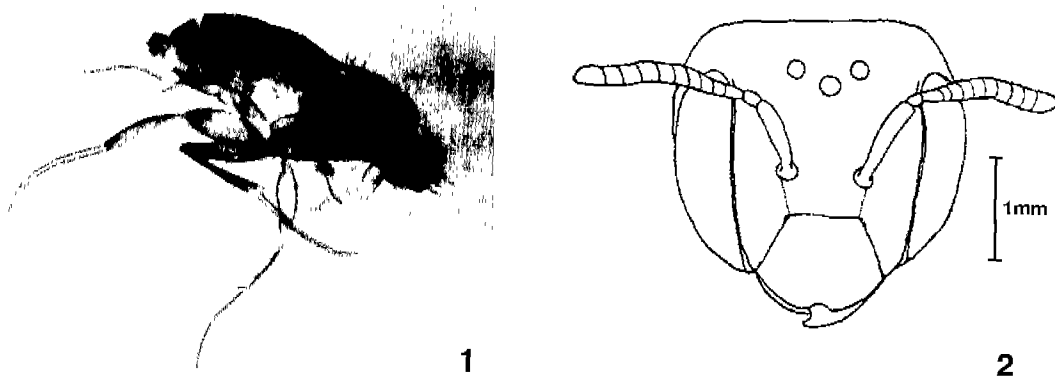
Hoplitis Klug, 1807. Mag. insektenk. 6: 225.

Type species: *Apis adunca* Panzer, 1798.

Diagnosis: Black with pale pubescence. Body slender. Head rounded, width equal to or narrower than thorax. Mandibles with 3~4 or 2 teeth. Thorax rounded; posts-cutellum nearly horizontal. Metasomal tergum 1 slightly concave longitudinally at anterior part. Metasomal terga with apical hair bands, interrupted or unbroken in middle. Ventral scopa white, yellowish or reddish. In males tergum 6 with a tooth or rounded laterally; tergum 7 triangular, with spines, teeth or a rec-

*Corresponding author. E-mail: osmiabee@hanmail.net

School of Agricultural Biotechnology, Seoul National University, Suwon 441-744, Republic of Korea (서울대학교 농생명공학부)



Figs. 1, 2. Female of *Hoplitis scita* Eversmann: 1. body, 2. Head.

tangular process apically. Sternum 1 or 2 often with a process or corn-like swelling in middle.

Subgenus *Liosmia* Thomson, 1872

Hoplitis subg. *Liosmia* Thomson, 1872. Hym. Scand., v.2: p.233.

Type species: *Osmia claviventris* Thomson, 1872.

Hoplitis (Liosmia) scita (Eversmann, 1852)

어리민빨가위벌 (신칭)

Osmia scita Eversmann, 1852. Bull. soc. natural. Moscou XXV. P.3: 63 n.2 ♀ ♂.

Hoplitis (Liosmia) scita: Wu, 1987. Acta Entomol. Sinica, v.30, no.4: 442.

Body length: Female: 9.5~10.5 mm.

Description: Female: Black. The beneath of flagellum reddish; clypeus with apical margin bented and emarginated. Hairs on thorax fulvous however, in case of old specimens, yellowish white. Metasomal tergite with apical whitish yellow hair bands. In profile, 6th

tergum curved. Scopa on metasomal sterna reddish yellow.

Male: Korean specimen has not been collected yet,

Materials examined: GG: 1 ♀, Suweon, 12. V. 1998, H.S. Lee; GW: 2 ♀ ♀, Mt. Kujeolsan Hongcheon, 28. V.1998, K.S. Woo.

Distribution: Korea (central), China, Russia Far Eastern.

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