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THE OXYBELIDAE OF JAPAN AND KOREA (HYMENOPTERA)

BY

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(With 1 text-figure)

The Japanese and Korean *Oxybelidae* has been hitherto represented by only a single genus and species, *Oxybelus lewisi* CAMERON, so far recorded from Hokkaido and Honshû.

Through the courtesy of Messrs. K. IWATA, K. IIDA, K. OKAZAKI, H. MASUDA, C. TAKEYA and N. TOSAWA, I have been able to examine some specimens representing more species of the family occurring in Japan and Korea.

I express my hearty thanks to the above-mentioned gentlemen for their kind assistance in forwarding the specimens and further to Prof. T. ESAKI for his kindness in reading through this manuscript.

Genus *Oxybelus* LATREILLE, 1796

Prec. car. gener. Insect, p. 129, n. 31.

Key to the species

1. Lateral squamae present 2
Lateral squamae obsolete *lewisi* CAMERON
2. Mucron comparatively stout and short, the base narrower than the apex, the apical margin deeply incised at the middle portion *eximius* SICKMANN
Mucron slender and long, with the sides nearly parallel to each other 3
3. Punctures on second abdominal sternite comparatively large and coarsely scattered. In the female, sixth abdominal segment ferruginous. Width of front (at the middle portion) : length of fore tibia = 20 : 24 (approximately) *melancholicus* CHEVRIER
Punctures on second abdominal sternite comparatively minute and very dense. In the female, sixth abdominal segment black. Width of front : length of fore tibiae = 25 : 23 (approximately) *strandii* sp. nov.

1. *Oxybelus lewisi* CAMERON

Oxybelus lewisi CAMERON, Mem. Manch. Lit. Phil. Soc., ser. 4, vol. 3, p. 282, 1890.

Oxybelus lewisi BINGHAM, Fauna of Brit. India etc., Hymen., vol. 1, p. 320, 1897.

Oxybelus lewisi MATSUMURA, List. of useful insects of Japan, p. 132, 1908.

[Trans. Sapporo Nat. Hist. Soc., Vol. XIV, Pt. 1, 1935]

Habitat: Japan (Hokkaido and Honshû, fide MATSUMURA) and Ceylon ? (fide CAMERON).

I have as yet no opportunity to see or collect any specimen of this species.

2. *Oxybelus eximius* SICKMANN

Oxybelus eximius SICKMANN, Zool. Jahrb., System., vol. 8, p. 205, ♀ ♂, 1895.

Habitat: North China and Korea.

This species was hitherto known from Tientin, North China. Mr. K. OKAZAKI collected a single specimen in Korea (in a room of a house at Taiden, 1 ♀, 25. viii. 1933). The specimen is preserved in the Entomological Laboratory, the Kyûshû Imperial University. This is the first record of the species from Korea.

3. *Oxybelus melancholicus* CHEVRIER

Oxybelus melancholicus CHEVRIER, Mitt. Schweiz. entom. Ges., vol. 11, p. 391, ♀ ♂, 1868.

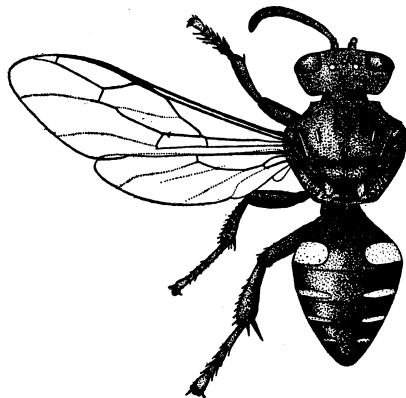
Habitat: Central Europe, Ussuri Region, Korea and Japan.

This species was hitherto known from Central Europe and was recently recorded from Ussuri Region by Dr. V. GUSSAKOVSKIY (Arkiv för Zoologi, Bd. 24 A, No. 10, p. 28, 1932). In the Entomological Laboratory of the Kyûshû Imperial University, there are preserved two male specimens from Japan and Korea respectively. 1 ♂ (Tokugô-tôge, Shinano, Honshû, Japan, 17. vii. 1933, collected by Mr. K. IIDA), 1 ♂ (Kongô-san, Kôgendô, Korea, 10. ix. 1931, collected by Mr. C. TAKEYA).

This is the first record of the species from Japan and Korea.

4. *Oxybelus strandi* sp. nov.

♀. Black. Apical portion of mandibles and apical two or three segments of antennae slightly ferruginous. Two appendiculate and lamellate processes of postscutellum, i. e. lateral squamae, somewhat yellowish white. Apical margin of mucron somewhat paler. Outer half of tegulae brown. Wings transparent, a little cloudy, reflecting violaceously in certain aspect; nervures brown. A line on tibia of fore legs pale brown. First tarsal segment of fore legs dark brown; remaining ones of the same legs, fourth and fifth tarsal segments of mid- and hind legs as well as tibial and tarsal spines and spurs



Oxybelus strandi YASUMATSU, sp. nov., ♀.

brown; pulvilli black. Four basal tergites of abdomen each with yellow markings on the sides and those on the first the largest. Pygidial area black. Pubescence on front, clypeus and occiput silver-white, on vertex brown, on legs and abdomen silver-yellow and on last abdominal segment dark brown. Punctures dense, those on head and thorax large, on abdomen minute. Other characters, except those mentioned in the key, are almost the same as in *Oxybelus melancholicus* CHEVRIER.

♂. Apical margin of seventh abdominal sternite sinuated inwardly, with postero-lateral angles pointed. Postero-lateral and humeral angles of pronotum, underside of femur of fore and mid-legs, fore tibia except the posterior surface, mid-tibia except the apex and the basal half of hind tibia yellow. Three basal abdominal tergites each with comparatively small, yellow markings on the sides and those on third almost obsolete.

Measurements (Length in mm.)

	Thorax	Abdomen	Fore wing	Hind wing
♂ (Holotype)	2.2	2.4	4.5	3.1
♀ (Allotype)	3.0	3.5	6.1	4.2

Holotype: 1 ♂ (Kamikôchi, Shinano, Honshû, 11. vii. 1933, collected by Mr. K. IIDA).

Allotype: 1 ♀ (Sobo-san, Bungo, Kyûshû, 1. viii. 1931, collected by the author).

Paratypes: 1 ♀ (Kôtôen, near Osaka, Settsu, Honshû, v. 1930, collected by Mr. N. TOSAWA), 2 ♀ ♀ (Jôkoji, Kai, Honshû, 12. vi., 25. ix. 1932, collected by Mr. H. MASUDA).

All the types, except one paratype collected by Mr. TOSAWA, are deposited in the Entomological Laboratory, the Kyûshû Imperial University, Fukuoka.

This new species is very closely allied to *Oxybelus melancholicus* CHEVRIER, but a careful comparison of both the species shows the following differences.

O. melancholicus, ♀

O. strandi, ♀

Tibiae and a few basal segments of tarsi beautiful brown.

Tibiae and a few basal segments of tarsi blackish brown or black.

Posterior margin of pronotum and its humeral angles greyish or whitish yellow.

Pronotum entirely black.

Sixth abdominal segment brown or ferruginous.

Width of front (at the middle portion): length of fore tibia=20:24 (approximately).

Sixth abdominal segment black.

Width of front : length of fore tibia =25 : 23.

This species is also near to *Oxybelus venustus* SICKMANN, 1895, but I think that the latter is much more closely related to *Oxybelus melancholicus* CHEVRIER than to the present new species.

摘 要

1931年の本會會報, Vol. 11, pt. 4, p. 221-226 に私は *Oxybelus* 屬に寄生する *Myrmosidae* アリバチモドキ科の1新種を記載した。今回は日本内地及び朝鮮産の *Oxybelidae* トゲムネアナバチ科(新稱)を報告する。尙本科は將來更に數種發見の可能性があるが現在私の知り得た種は次の如くで、すべて *Oxybelus* トゲムネアナバチ屬(新稱)に屬する。

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|---------------------------------------|-----------------------------------|
| <i>Oxybelus lewisi</i> CAMERON | ルイストゲムネアナバチ (改稱) (コキバチ, 松村, 1908) |
| <i>O. eximius</i> SICKMANN | シナトゲムネアナバチ (新稱) |
| <i>O. melancholicus</i> CHEVRIER | トゲムネアナバチ (新稱) |
| <i>O. strandi</i> YASUMATSU, sp. nov. | ヤマトトゲムネアナバチ (新稱) |

最後の種名は *Oxybelus bicolorisquama* STRAND タイワントゲムネアナバチ(新稱)の發表者 EMBRIK STRAND 教授に捧げたものである。