A New Species and A Newly Recorded Species of the Genus *Enoplognatha* from China (Araneae: Theridiidae)

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の 1 新種および 1 新記録種

Abstract Two species, *Enoplognatha submargarita* sp. nov., and *Enoplognatha margarita* YAGINUMA, 1964 are reported from Xinjiang Uygur Autonomous Region, China. The latter species is recorded from China for the first time.

The present paper deals with two species of the spider genus *Enoplognatha* from China, *E. submargarita* sp. nov. and *E. margarita* YAGINUMA, 1964. Both the species are newly added to the fauna of China. The new species has hitherto been misidentified with *Theridion ovatum* (CLERCK, 1758) or *Enoplognatha thoracica* (HAHN, 1831) in China.

The holotype and allotype are preserved in Hebei Educational College, Shijiazhuang, China. A female and a male of the paratypes are deposited in the Arachnological Society of Japan, Osaka. The other paratypes are also preserved in Hebei Educational College.

All the measurements are given in mm.

Enoplognatha submargarita sp. nov.

(Figs. 1–8)

Enoplognatha thoracica: ZHOU et al., 1983. J. Bethune Med. Univ., 9 (spec. no.): 155, fig. 4, [nec *Enoplognatha thoracica* (HAHN, 1931)].

Theridion ovatum: HU, 1989, Spid. Agr. Reg. Xinjiang Uygur Autonom. Reg., China: 135, fig. 107 [nec *Theridion ovatum* (CLERCK, 1758)].

Type series. Holotype (♀) and allotype (♂), Altay County (47°48'N, 38°6'E), Xinjiang Uygur Autonomous Region, 12–VII–1991. Paratypes: 2♀5♂, Hotan County (37°6'N, 79°36'E), 22–VII–1991; 5♀3♂, Kashi City (39°24'N, 75°54'E), Xinjiang, 20–VII–1991. All the specimens were collected by Ming-sheng ZHU.

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Figs. 1–8. *Enoplognatha submargarita* sp. nov.—1, Female, dorsal view; 2, epigynum, ventral view; 3, female genitalia, dorsal view; 4, male palp, ventral view; 5, male palp, lateral view; 6, tibia of male palp, dorsal view; 7, female chelicera; 8, male chelicera.

Description. Female (Holotype). Total length 5.7, cephalothorax 2.2 long, 1.9 wide; abdomen 3.9 long, 3.0 wide.

Carapace yellow with black margins and a brown median band. Median furrow distinct, radial furrows and cervical grooves brownish. Both two eye rows recurved, the posterior eye row almost straight seen from above. Anterior eyes about equally spaced (0.10). Posterior median eyes closer to each other than to laterals (0.10: 0.13). Median ocular area slightly wider behind than in front (0.36: 0.31). Ratio of diameters of eyes: AME < PME = PLE < ALE (0.08: 0.10: 0.10: 0.13). Chelicerae yellow with three promarginal teeth, the middle one small and located near the base of proximal one, and with one retromarginal tooth (some specimens with two small teeth). Maxillae and labium yellow, labium wider than long. Sternum yellow with a brown longitudinal median stripe and brown margins. Legs yellow with brown rings on distal ends of tibiae and metatarsi.

Measurements of legs: Total (femur, patella + tibia, metatarsus, tarsus), I 14.3 (3.8, 4.5, 3.8, 2.2), II 9.3 (2.7, 3.1, 2.5, 1.0), III 7.1 (2.2, 2.3, 1.8, 0.8), IV 11.8 (3.7, 3.9, 3.0, 1.2).

Abdomen oval, dorsum pearly white with a brownish ramified median streak, and with a brownish longitudinal band and five black spots on each side. Venter

Figs. 9–15. *Enoplognatha margarita* YAGINUMA.—9, Female, dorsal view; 10, epigynum, ventral view; 11, female genitalia, dorsal view; 12, male palp, ventral view; 13, male palp, lateral view; 14, tibia of male palp, dorsal view; 15, male chelicera.

yellow. Colulus smaller but distinct, with two setae. Epigynum sclerotized, W-shaped brown area with an opening on each side.

Male (allotype). Similar to the female, but differs in following points: Total length 4.8, cephalothorax 2.5 long, 1.75 wide, abdomen 2.9 long, 1.8 wide. Chelicerae with three retromarginal teeth, the proximal one largest and followed by the distal one, middle one is extremely small, located near the base of distal one. Palp long. Tibia 0.65 long with four dorsal trichobothria. Radix subulate.

Measurements of legs: I 16.3 (4.7, 5.1, 5.0, 1.5), II 11.3 (3.3, 3.8, 3.1, 1.1), III 8.1 (2.6, 2.4, 2.2, 0.9), IV 12.4 (3.9, 3.7, 3.5, 1.3).

Distribution. From South-Xinjiang to North-Xinjiang of China. This species is very common in the grass.

Remarks. The abdominal pattern of new species is similar to that of *Enoplognatha margarita* YAGINUMA, 1964, but the new species differs from the latter in the following characteristics. 1) The middle tooth on retromargin of male chelicera is near the distal one and very small in size. 2) Palpal tibiae of male with four dorsal trichobothria. 3) Radix of the palpal organ subulate. 4) Five black spots on each side of the dorsum of abdomen.

Etymology. Specific name *submargarita* means that this spider resembles *Enoplognatha margarita* in appearance.

Enoplognatha margarita YAGINUMA, 1964

(Figs. 9–15)

Enoplognatha margarita YAGINUMA, 1964, *Acta arachnol.*, **19**: 5–9, figs. 1–8.

Specimens examined. 2♀, Mt. Guandishan, Fangshan County, Shanxi Province, 3–VIII–1982, collected by Ming-sheng ZHU; 3♀4♂, Huanren County, Liaoning Province, 15–VI–1989, collected by Shu-sen GAO.

Measurements based on Chinese specimens (from Liaoning Province). Female: Total length 5.5, cephalothorax 1.5 long, 1.7 wide, abdomen 3.8 long, 3.0 wide; male: total length 4.5, cephalothorax 1.9 long, 1.4 wide, abdomen 3.0 long, 1.9 wide.

This species is recorded from China for the first time.

Distribution. China (above localities), Korea and Japan.

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摘 要

中国新疆维吾尔自治区で発見された新種 *Enoplognatha submargarita* sp. nov. と山西省辽宁省産の中国新記録種となる *Enoplognatha margarita* YAGINUMA, 1964 (日本産と同種) を記録した。

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