A New Record of the Spider, *Araniella yaginumai* TANIKAWA, 1995 (Araneae: Araneidae), from Taiwan

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Abstract A new record of *Araniella yaginumai* TANIKAWA, 1995 (Araneae: Araneidae) from Taiwan is presented. Four specimens of this species collected in Wuling Mountains, central Taiwan were examined and described. The genus *Araniella* is also new to the Taiwan fauna.

Recently, we examined four specimens of *Araniella* collected in Wuling Mountains, Taichung County, Taiwan by Yung-Hau CHANG. These spiders were identified with *Araniella yaginumai* TANIKAWA, 1995, described from Japan. Previously, fourteen genera of Araneidae were recognized in Taiwan (LEE, 1964; CHU & OKUMA, 1974). However, the genus *Araniella* CHAMBERLIN et IVIE, 1942 has never been recorded from Taiwan.

All the specimens are deposited in the Institute of Life Science, National Sun Yat-Sen University (NSYSU), Kaohsiung, Taiwan, Republic of China.

The following abbreviations are used: ALE, anterior lateral eye; AME, anterior median eye; MOA, median ocular area; PLE, posterior lateral eye; PME, posterior median eye; AME-ALE, distance between AME and ALE; PME-PLE, distance between PME and PLE.

Araniella yaginumai TANIKAWA, 1995

(Figs. 1–4)

Araniella yaginumai TANIKAWA, 1995, p.52, figs. 1–9.

Description [based on the materials from Taiwan, 1 ♀ (NSYSU-CYH 00001) and 1 ♂ (NSYSU-CYH 00002)]. Measurements (in mm). Body length ♀ 6.89, ♂ 5.61; carapace length ♀ 3.32, ♂ 2.85, width ♀ 2.38, ♂ 2.29; abdomen length ♀ 4.59, ♂ 2.98, width ♀ 3.57, ♂ 2.04. Length of legs of the same specimens as shown in Table 1. Eye fields: AME-ALE ♀ 0.68, ♂ 0.43; PME-PLE ♀ 0.68, ♂ 0.43; MOA almost square.

Chelicera with 4 promarginal and 3 retromarginal teeth in females, with 3 promarginal and 3 retromarginal teeth in males.

Coloration. Female: Carapace reddish brown. Legs reddish brown, distal end of each segment dark brown. Abdomen pale yellow with 4 pairs of black spots (Fig. 1).

Table 1. Measurements of legs of *Araniella yaginumai* TANIKAWA, 1995 (♀/♂; in mm).

Leg	Femur	Patella	Tibia	Metatarsus	Tarsus	Total
I	2.38/2.47	0.93/1.10	1.87/1.87	2.04/1.70	0.93/0.76	8.15/7.90
II	2.46/2.72	0.85/1.02	1.78/1.53	1.87/1.70	0.93/0.85	7.89/7.82
III	1.87/1.70	0.85/0.68	1.11/1.10	1.36/1.19	0.76/0.68	5.95/5.35
IV	2.47/2.21	0.85/0.85	1.87/1.70	1.87/1.78	0.76/0.68	7.82/7.22

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Figs. 1-4. *Araniella yaginumai* TANIKAWA, 1995 — 1, Female, dorsal view; 2, male, dorsal view; 3, male palp, prolateral view; 4, epigynum, ventral view. (Scales: 1-2, 1 mm; 3, 0.2 mm; 4, 0.1 mm.)

Male: Carapace reddish brown, with a pair of wide, dark brown, marginal bands on the thoracic part. Legs: 1st trochanter, 2nd patella, femur, and trochanter, 3rd trochanter, 4th trochanter and distal half of 4th femur dark brown; other parts reddish brown. Abdomen pale yellow with 4 pairs of black spots (Fig. 2).

Variation. One female specimen (NSYSU-CYH 00004) has 3 pairs of black spots on abdomen.

Specimens examined. 3 ♀♀ 1 ♂, Wuling Mountains (24° 21' 33"N, 121° 18' 15" E), alt. 2,200 m, Taichung County, Taiwan, 30-III-1996, Y.-H. CHANG leg. (NSYSU-CYH 00001-00004).

Distribution. Taiwan (new record); Japan.

Remarks. This is the first record of *Araniella yaginumai* from Taiwan. Morphologically, *A. yaginumai* closely resembles *A. displicata* (HENTZ, 1847), but differs from the latter as follows: 1) The conductor of male palp (Fig. 3) of *A. yaginumai* has two large knife-shaped appendixes, but *A. displicata* has small appendixes. 2) The epigynal scape (Fig. 4) of *A. yaginumai* is wider than long, but that of *A. displicata* is longer than wide (TANIKAWA, 1995).

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