Two Newly Recorded Spiders from Japan, *Bavia sexpunctata*
(DOLESCHALL, 1859) and *Rhene setipes* ŻABKA, 1985
(Araneae: Salticidae)

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谷川明男¹⁾: 日本新記録種 *Bavia sexpunctata* (DOLESCHALL, 1859)
および *Rhene setipes* ŻABKA, 1985 について

Abstract Two salticid spiders, *Bavia sexpunctata* (DOLESCHALL, 1859) and *Rhene setipes* ŻABKA, 1985, are newly recorded from Japan. The genus *Bavia* is new to the Japanese fauna. The female of *Rhene setipes* is described for the first time.

After an examination of the materials obtained from Iriomotejima Island, Okinawa Pref., Japan, the author recognized the occurrence of *Bavia sexpunctata* (DOLESCHALL, 1859) and *Rhene setipes* ŻABKA, 1985, in the island. These species are new to the Japanese fauna, and will be redescribed in the present paper.

Bavia sexpunctata was originally described by DOLESCHALL (1859) from Amboina. Then it has been revealed by many authors to be widely distributed from Sumatra to New Guinea (THORELL, 1878, 1881, 1890, 1892; KOCH, 1879; HASSELT, 1893; SIMON, 1899; STRAND, 1911; REIMOSER, 1927). The present author collected some specimens of this spider in a meadow by the sweeping method. The genus *Bavia* has never been recorded from Japan.

Rhene setipes was described from Viet-Nam by ŻABKA (1985) on the basis of the male holotype. The author could collect two females and one male in a forest by the beating method. The female of the species will be described for the first time in the present paper.

Before going further, the author wishes to express his hearty thanks to Dr. Hirotsugu ONO, National Science Museum (Nat. Hist.), Tokyo, for his constant guidance and revising the manuscript of this paper.

Bavia sexpunctata (DOLESCHALL, 1859)
(Figs. 1–7)

Salticus sexpunctatus DOLESCHALL, 1859, p. 24 [male holotype (?) from Amboina, deposited in Rijksmuseum van Natuurlijke Historie, Leiden (?), not examined].

Marptusa sexpunctata: THORELL, 1878, p. 224; 1881, p. 444; 1892, p. 288.—HASSELT, 1893, p. 156.

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Acompse dulcinervis L. KOCH, 1879, p. 1149, tab. 100, figs. 1-2 [syntypes from Pelew (Palau) Islands, deposited in Zoologisches Institut und Zoologisches Museum der Universität, Hamburg, not examined], synonymized by THORELL (1881).

Bavia sexpunctata: THORELL, 1890, p. 75.—SIMON, 1899, p. 103.—STRAND, 1911, p. 179.—REIMOSER, 1927, p. 2.—PRÓSZYŃSKI, 1984, p. 13 (partim, male).—ŽABKA, 1988, p. 436, figs. 40-45.

Specimens examined. 1♀, Funaura, Iriomotejima Island, Okinawa Pref., Japan, 19-VIII-1985, A. TANIKAWA leg.; 1♀, Funaura, Iriomotejima Island, Okinawa Pref., Japan, 1-I-1987, A. TANIKAWA leg.; 1♂, Urauchi, Iriomotejima Island, Okinawa Pref., Japan, 28-XII-1989, A. TANIKAWA leg.

Description (based on the Japanese specimens). Measurement (in mm). Body length ♀ 8.60-9.30, ♂ 8.55; carapace length ♀ 3.88-4.30, ♂ 3.64, width ♀ 3.08-3.40, ♂ 3.00; abdomen length ♀ 4.40-5.00, ♂ 4.35, width ♀ 1.93-2.28, ♂ 1.98. Length of legs of 1♀ 1♂ from Iriomotejima Island as shown in Table 1.

Female. Carapace length/width 1.26. Length of eye field/length of carapace 0.53, eye field length/width 0.87-0.88, width of eye field III/width of eye field I

Figs. 1-2. *Bavia sexpunctata* (DOLESCHALL, 1859).—1. Female, dorsal view. 2. Male, dorsal view. (Scale: 0.5 mm.)

Table 1. Measurement of leg segments of *Bavia sexpunctata*
(DOLESCHALL, 1859) (in mm; ♀/♂).

Leg	Tarsus	Metatarsus	Tibia	Patella	Femur	Total
I	0.75/0.93	1.28/1.69	1.83/2.31	1.54/1.63	2.28/2.64	7.68/9.20
II	0.68/0.69	1.10/1.17	1.25/1.31	1.21/1.14	1.90/1.94	6.14/6.25
III	0.63/0.63	1.30/1.31	0.93/0.94	1.03/0.99	1.73/1.79	5.62/5.66
IV	0.68/0.66	1.83/1.84	1.69/1.70	1.13/1.06	2.26/2.24	7.59/7.50

1.01–1.03, distance between eye field I and II/distance between eye field II and III 0.82–0.93, width of eye field III/width of carapace 0.76. Thoracic furrow longitudinal. Chelicera with 4 promarginal and 7 retromarginal teeth. Labium length/width 1.22–1.41, sternum length/width 1.52–1.54. Length of leg I/length of cara-

Figs. 3–7. *Bavia sexpunctata* (DOLESCHALL, 1859).—3. Epigynum. 4. Female genitalia, dorsal view. 5. Male palp, ventral view. 6. Tibia of male palp, retrolateral view. 7. Same, dorsal view. (Scales: 0.25 mm.)

pace 1.97–2.09. Abdomen length/width 2.19–2.28. Epigynum and internal genitalia as shown in Figs. 3–4.

Male. Carapace length/width 1.21. Length of eye field/length of carapace 0.57, eye field length/width 0.87, width of eye field III/width of eye field I 1.03, distance between eye field I and II/distance between eye field II and III 0.86, width of eye field III/width of carapace 0.79. Thoracic furrow longitudinal. Chelicera with 4 promarginal and 7 retromarginal teeth. Labium length/width 1.32, sternum length/width 1.52. Length of leg I/length of carapace 2.53. Male palp as shown in Figs. 5–7. Abdomen length/width 2.20.

Coloration and markings. Female. Carapace dark brown, surroundings of eyes black. Leg I dark brown, except light brown tarsus, legs II, III, IV light brown; palp light brown with dorsal dark brown line. Abdomen light brown, with numerous small dark brown spots and three pairs of larger ones.

Male. Carapace dark brown, surroundings of eyes black. Leg I dark brown, except light brown tarsus, legs II, III, IV brown. Abdomen light brown, mottled with dark brown, with three pairs of pale brown spots.

Range. Sumatra (THORELL, 1892; HASSELT, 1893; SIMON, 1899; REIMOSER, 1927), Buru (THORELL, 1881), Amboina (DOLESCHALL, 1859; THORELL, 1878), Banda (STRAND, 1911), Aru (THORELL, 1881), Palau (KOCH, 1879), New Guinea (THORELL, 1881), Japan (new record; Iriomotejima Island).

Figs. 8–9. *Rhene setipes* ŽABKA, 1985. — 8. Female, dorsal view. 9. Male, dorsal view. (Scale: 0.5 mm.)

Rhene setipes ŽABKA, 1985

(Figs. 8–14)

Rhene setipes ŽABKA, 1985, p. 445, figs. 563–566 [male holotype from Luc Yen, Yen Bai Prov., Vietnam, 5–XII–1971, TOPÁL & MATSKÁSI leg., deposited in Természettudományi Múzeum, Budapest, not examined].

Specimens examined. 1♀, Komi, Iriomotejima Island, Okinawa Pref., Japan, 16–VIII–1985, A. TANIKAWA leg.; 1♀, Funaura, Iriomotejima Island, Okinawa Pref., Japan, 19–VIII–1985, A. TANIKAWA leg.; 1♂, Komi, Iriomotejima Island, Okinawa Pref., Japan, 27–III–1987, A. TANIKAWA leg.

Figs. 10–14. *Rhene setipes* ŽABKA, 1985. — 10. Epigynum. 11. Female genitalia. 12. Male palp, dorsal view. 13. Tibia of male palp, retrolateral view. 14. Same, dorsal view. (Scales: 0.2 mm.)

Table 2. Measurement of leg segments of *Rhene setipes* ŽABKA, 1985
(in mm; ♀/♂).

Leg	Tarsus	Metatarsus	Tibia	Patella	Femur	Total
I	0.47/0.49	0.48/0.57	0.78/0.91	0.87/0.92	1.37/1.45	3.88/4.34
II	0.37/0.38	0.48/0.52	0.53/0.53	0.63/0.61	1.05/1.00	3.06/3.04
III	0.37/0.38	0.53/0.53	0.42/0.43	0.52/0.50	0.97/0.95	2.81/2.79
IV	0.38/0.38	0.69/0.68	0.68/0.63	0.67/0.62	1.27/1.17	3.69/3.48

Description (based on the Japanese specimens). Measurement (in mm). Body length ♀ 4.30–4.65, ♂ 4.25; carapace length ♀ 1.91–2.15, ♂ 2.13, width ♀ 1.89–2.20, ♂ 2.05; abdomen length ♀ 2.45–2.63, ♂ 2.43, width ♀ 1.80–2.37, ♂ 1.78. Length of legs of 1♀ 1♂ from Iriomotejima Island as shown in Table 2.

Female. Carapace length/width 0.98–1.01. Length of eye field/length of carapace 0.73–0.77, eye field length/width 0.70–0.75, width of eye field III/width of eye field I 1.48, distance between eye field I and II/distance between eye field II and III 0.26, width of eye field III/width of carapace 1.02–1.04. Thoracic furrow longitudinal. Chelicera with 2 promarginal and 1 retromarginal teeth. Labium length/width 1.31–1.35, sternum length/width 1.59–1.71. Length of leg I/length of carapace 1.85–1.86. Abdomen length/width 1.11–1.36. Epigynum and internal genitalia as shown in Figs. 10–11.

Male. Carapace length/width 1.04. Length of eye field/length of carapace 0.70, eye field length/width 0.70, width of eye field III/width of eye field I 1.48, distance between eye field I and II/distance between eye field II and III 0.23, width of eye field III/width of carapace 1.04. Thoracic furrow longitudinal. Chelicera with 2 promarginal and 1 retromarginal teeth. Labium length/width 1.25, sternum length/width 1.58. Length of leg I/length of carapace 2.04. Male palp as shown in Figs. 12–14. Abdomen length/width 1.37.

Coloration and markings. Female. Carapace dark brown, darker in front, surroundings of eyes black. Abdomen pale brown, with dark brown markings.

Male. Carapace dark brown, darker in front, surroundings of eyes black. Abdomen reddish brown, with dark brown and pale brown markings.

Range. Viet-Nam (ŽABKA, 1985), Japan (new record; Iriomotejima Island).

摘 要

西表島より採集された *Bavia sexpunctata* (DOLESCHALL, 1859) ムツボシハエトリ (新称) および *Rhene setipes* ŽABKA, 1985 ミナミカラスハエトリ (新称) の2種を日本新記録として報告した。 *Bavia* ムツボシハエトリグモ属 (新称) は日本新記録属となる。また, *Rhene setipes* ŽABKA, 1985 ミナミカラスハエトリの雌を初めて記載した。

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