

***Aetana fiji* Huber, 2005**

Huber BA. 2005. Revision of the genus *Spermophora* Hentz in Southeast Asia and on the Pacific Islands, with descriptions of three new genera (Araneae: Pholcidae). *Zoologische Mededelingen* 79-2(4): 61-172.

p. 74

Aetana fiji spec. nov. (figs 106, 107, 115-120)

Type material.—Male holotype from Sawani (178°28'E, 18°01'S), near Suva, Viti Levu Island, Fiji; from epiphytes, 19.vii.1956 (R. R. Forster), in BPBM.

Non-Type Material.—**Fiji:** *Viti Levu*: Sawani: 1♂3♀, together with holotype (BPBM); Monasavu Watershed (17°45'S, 178°04'E), 1100 m a.s.l., vegetation beating, 29-30.xi.2002 (D. Gruner), 1♀ (BPBM); Suva (178°25'E, 18°08'S), "in wettest bush", 9.ix.1958 (Marples), 1♂ 1juv. (BPBM); Colo-I-Suva, park near Nausori, in web on vegetation, wet forest, 6.v.1987 (J. A. Beatty), 1♀ (BPBM); 3 km E Monasavu Dam (178°03'E, 17°46'S), 1000 m a.s.l., 26.vii.1987 (G. Monteith, D. Cook), "pyrethrum, trees and logs", 1♂ (QMB S50343); Mt. Victoria (=Tomanivi) (178°01'E, 17°37'S), 1100-1340 m a.s.l., 25.vii.1987 (G. Monteith, D. Cook), 1♀ (QMB S50345). *Taveuni*: Des Vocux Peak (179°58'W, 16°51'S), 900 m a.s.l., 16.vii.1987 (G. Monteith, D. Cook), "pyrethrum, tree trunks", 1♀ 3 juveniles (QMB S50349). *Vanua Levu*: Mt. Delaikoro (179°45'E, 16°33'S), 700 m a.s.l., 21.vii.1987 (G. Monteith, D. Cook), 1♀ 1 juvenile (QMB S 50350); same locality, "pyrethrum, logs and trees", 1♀ 4 juveniles (QMB S50348). *Kandavu*: Mt. Korogatule (177°18'E, 17°41'S), 300 m a.s.l., near Matasawalevu, 4.vii.1987 (G. B. Monteith), 1♀ (QMB S50353).

Diagnosis.—Easily distinguished from *A. kinabalu* by the much longer and more widely spaced cheliceral apophyses and the modified clypeus (fig. 118); also by the

shapes of male palpal femur, bulb, and procurus (figs 115, 116). From *A. omayan* by the male clypeal modifications (fig. 118), the simple ventral flap on the procurus (fig. 116), the apophyses on the male palpal femur (fig. 115), and the shape of the epigynum (fig. 119).

Description.—Male (holotype). Total length ~3.2 (it is unclear which of the detached abdomens belongs to the type), carapace width 1.3. Leg 1: 9.3 + 0.5 + 9.2, metatarsus and tarsus missing, tibia 2: 5.6, tibia 3 missing, tibia 4: 5.2; tibia 1 L/d: 86. Habitus as in female (cf. fig. 106). Carapace ochre-yellow with dark median and lateral bands, clypeus and ocular area partly darkened; sternum ochre yellow. Legs ochre-yellow, with indistinct rings on femora (subdistally), patellae, and tibiae (subdistally). Abdomen grey with indistinct spots. Ocular area distinctly elevated, each triad on additional elevation; thoracic furrow distinct frontally; distance PME-PME 400 μ m; diameter PME 105 μ m; distance PME-ALE ~25 μ m; AME absent. Clypeus with two pairs of black cones (between eyes and rim and at rim), and pair of long horns at rim (fig. 118). Sternum wider than long (0.86/0.64). Chelicerae as in figures 117 and 118, with pair of long apophyses, tips 1020 μ m apart, without modified hairs. Palps as in figures 115 and 116; trochanter with simple apophysis, femur with several modifications: large prolateral projection, pointed ventral apophysis, and retrolateral cone; procurus apparently with two successive hinges, with strong spine distally accompanied by membranous flap; bulb with single projection (presumably the embolus). Retrolateral trichobothrium of tibia 1 at 4%; legs apparently without spines, curved hairs, and vertical hairs (most hairs missing).

Variation. Leg 1 in male from Suva: 42.0 (9.7 + 0.5 + 9.8 + 18.0 + 4.0); tarsus 1 with >20 pseudosegments, distally ~15 fairly distinct. Tibia 1 in male from 3 km E Monasavu Dam: 10.3.

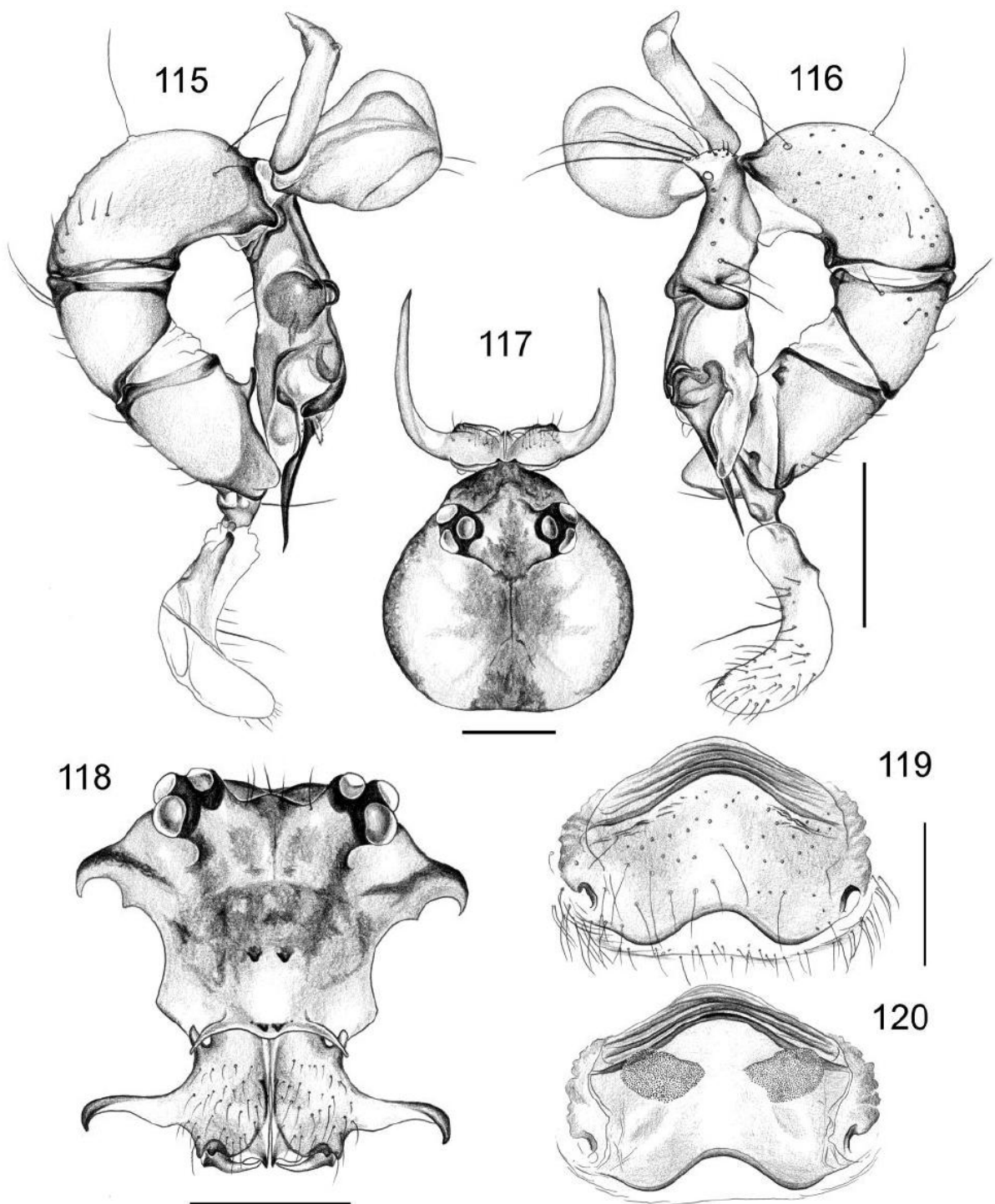
Female. In general very similar to male, but clypeus unmodified, eyes not on elevations. Tibia 1 in 3 females (Viti Levu): 5.8, 6.0, 6.8. Epigynum simple plate with pair of lateral pockets 905 μ m apart, without posterior pocket (figs 107, 119). Dorsal view as in fig. 120. ALS with only 2 spigots. The QMB has some female specimens from other Fiji islands (see below) with slightly different epigyna (larger and more sculptured). They are tentatively assigned to this species.

Etymology.—The specific name is a noun in apposition, taken from the type locality.

Distribution.—Known from the Fiji Islands only (fig. 170).



106-107, *A. fiji* spec. nov., female habitus, dorsal view, and female abdomen, ventral view;



Figs 115-120. *Aetana fiji* spec. nov. 115-116, left male palp in prolateral (115) and retrolateral (116) views; 117-118, male prosoma and chelicerae, dorsal (117) and frontal (118) views; 119-120, cleared epigynum in ventral (119) and dorsal (120) views. Scale lines: 0.5 (115-120).

Beatty, J. A., Berry, J. W., Huber, B. A. 2008. The pholcid spiders of Micronesia and Polynesia (Araneae, Pholcidae). *J. Arachnol.* 36: 1-25.

p. 3

Des Voeux Peak [16°51'S, 179°58'W], elev. 900 m, 16 July 1987, G. Monteith, D. Cook, "pyrethrum, tree trunks" (QMB S50349). *Vanua Levu*: 1 ♀, 1 juvenile, Mt. Delaikoro [16°33'S, 179°45'E], elev. 700 m, 21 July 1987, G. Monteith, D. Cook (QMB S 50350); 1 ♀, 4 juveniles, same locality, "pyrethrum, logs and trees" (QMB S50348). *Kandavu*: 1 ♀, Mt. Korongatule [17°41'S, 177°18'E], elev. 300 m, near Matasawalevu, 4 July 1987, G.B. Monteith (QMB S50353).

Natural history.—The collection data suggest that this species builds webs in shrubs and trees.

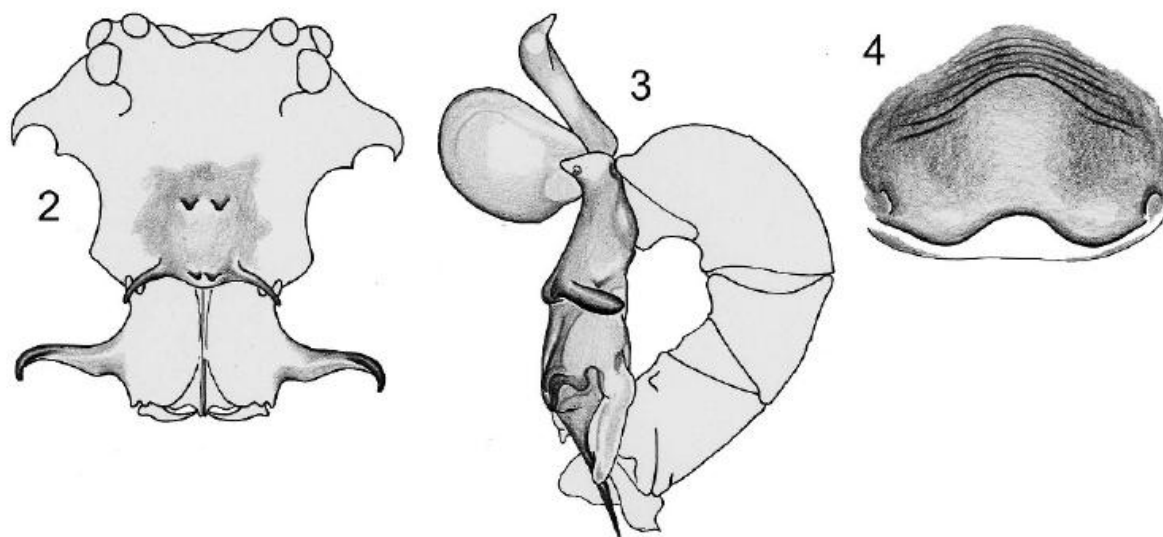
Distribution in the Pacific.—Viti Levu, Taveuni, Vanua Levu, and Kandavu Islands in the Fiji group.

Aetana fiji Huber 2005
Figs. 2–4, 41, 58

Aetana fiji Huber 2005a:74.

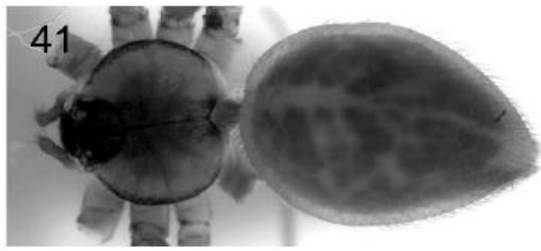
Material examined.—FIJI: *Viti Levu*: Sawani [18°01'S, 178°28'E]: 2 ♂, 3 ♀, near Suva (18°01'S, 178°28'E), from epiphytes, 19 July 1956, R.R. Forster (BPBM); 1 ♀, Monasavu Watershed [17°45'S, 178°04'E], 1100 m, vegetation beating, 29–30 November 2002, D. Gruner (BPBM); 1 ♂, 1 juvenile, Suva [18°08'S, 178°25'E], "in wettest bush," 9 September 1958, Marples (BPBM); 1 ♀, Tholo-I-Suva, park near Nausori, in web on vegetation, wet forest, 6 May 1987, J.A. Beatty (BB); 1 ♂, 3 km E Monasavu Dam [17°46'S, 178°03'E], elev. 1000 m, 26 July 1987, G. Monteith, D. Cook, "pyrethrum, trees and logs" (QMB S50343); 1 ♀, Mt. Victoria (= Tomanivi) [17°37'S, 178°01'E], elev. 1100–1340 m, 25 July 1987, G. Monteith, D. Cook (QMB S50345). *Taveuni*: 1 ♀, 3 juveniles,

p. 4



Figures 2–13.—Distinctive characters of Pacific Island pholcids. 2–4. *Aetana fiji*: 2. Male prosoma and chelicerae, frontal view; 3. Left male palp, retrolateral view; 4. Epigynum, ventral view.

p. 7



41. *Aetana fiji*.

p. 10

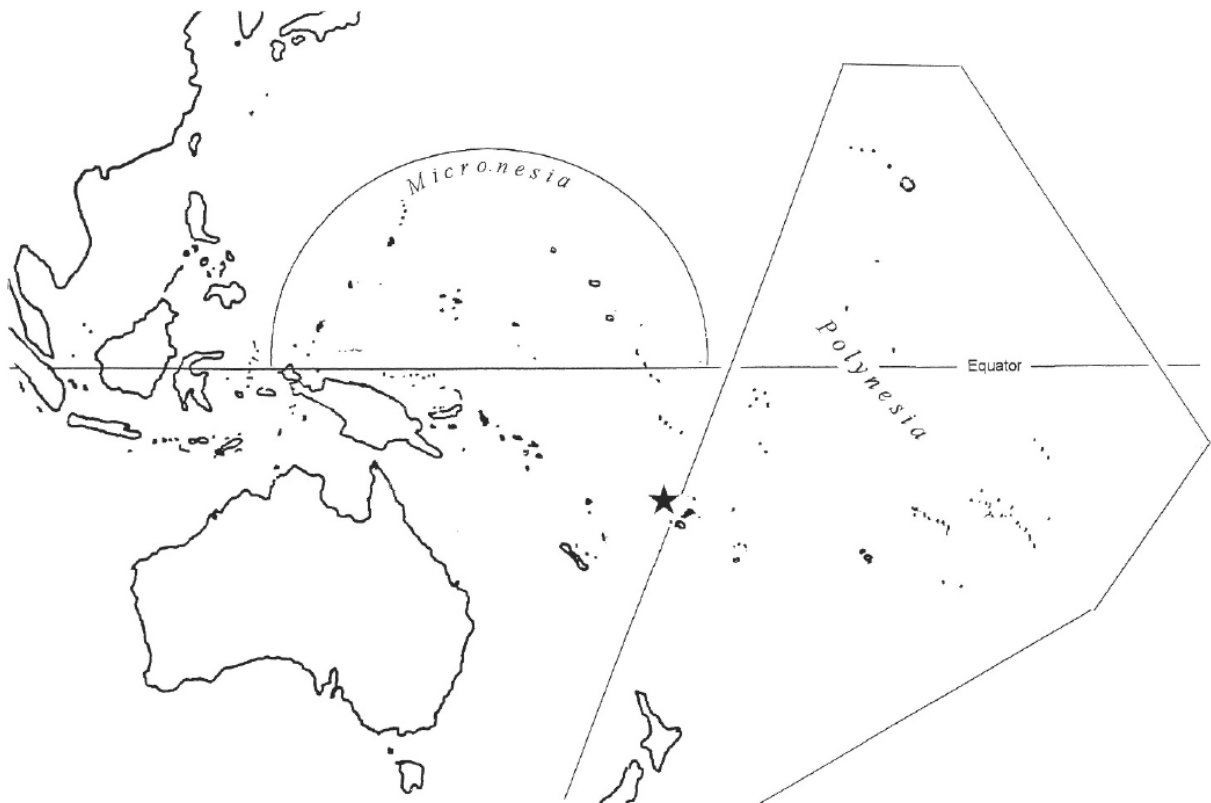


Figure 58.—Distribution of *Aetana fiji* in the Pacific is indicated by stars.