TAXONOMIC NOTES ON THE GENUS ARCHITIS (ARANEAE, PISAURIDAE) AND STATUS OF THE GENUS SISENNA SIMON

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ABSTRACT. Dyrines tenuipes (Simon) is a senior synonym of Architis vilhena Carico. Thanatidius proximatus Mello-Leitão (=Thanatidius parahybensis Mello-Leitão) is a junior synonym of Architis tenuis Simon. Sisenna Simon is a junior synonym of the genus Architis. Sisenna helveola Simon, the only species placed in Sisenna, is redescribed and figured as Architis helveola (Simon). A lectotype of the latter species is designated. Errata in a previous publication are noted.

During a survey of types of some lesser known pisaurid genera in the New World, three misplaced species were found to belong to the pisaurid genus *Architis*. This paper reports on the taxonomic status of these species.

Dyrines tenuipes (Simon).—Dyrines tenuipes (Simon 1898b:18) (transferred from Drances by Petrunkevith 1911:543) is a senior synonym of Architis vilhena Carico (1981:150, figs. 1, 10, 22, 23) based on the examination of six male syntypes, #5408, deposited in the Muséum National d'Histoire Naturelle, Paris, collected from Cameta, Para, Brazil by Mathan. The female was described by Carico (1989:224, figs. 6, 7). The correct name of this species is, therefore, Architis tenuipes (Simon). NEW SYNONYMY.

Thanatidius proximatus Mello-Leitãao.—The holotype of Thanatidius parahybensis Mello-Leitão (1924) from Campino Grande, Paraíba, Brazil, collected by Tranquilino Mello-Leitão (specimen #88, labelled Pisaurina parahybensis Mello-Leitaao), in the Museu Nacional do Rio de Janeiro, is a penultimate female collected just prior to ecdysis. The adult epigynum is clearly visible through the old cuticle, and close examination reveals the characteristic features of Architis tenuis Simon.

Mello-Leitão described this specimen first (1920) as *T. proximatus* and later (1924) as *T. parahybensis*. Roewer (1954) first reported the objective synonymy. Bonnet (1959) lists only *T. parahybensis*. Both are junior synonyms of *Architis tenuis* Simon. NEW SYNONYMY.

Errata in previous publication.—In my revision of the genus Architis (Carico 1981), labels for epigyna of two species were interchanged.

Figures 26, 27 should be labelled *A. nitidopilosa*, and figs. 32, 33 should be labelled *A. tenuis* as was reported by Sierwald (1989). Additionally, fig. 6 should be labelled *A. cymatilis*.

Sisenna helveola.—The type of the monotypic genus, Sisenna, S. helveola Simon, is congeneric with the genus Architis. Therefore, the genus Sisenna is a junior synonym (NEW SYNONYMY) of the pisaurid genus Architis. This conclusion differs from that of Sierwald (1990) who placed Sisenna tentatively in her "Trechalea genusgroup," which I regard as the family Trechaleidae.

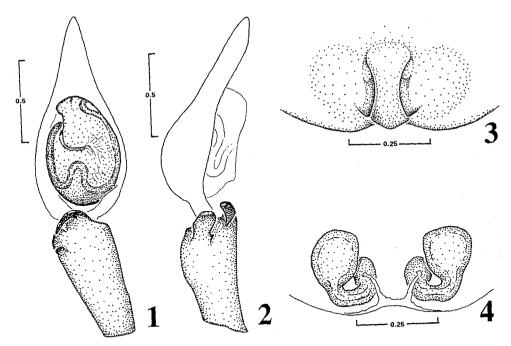
Below is the redescription of A. helveola, which becomes the tenth known species in the Neotropical genus Architis, four of which were described by Simon. It is interesting to note that Simon originally placed his four species into three different pisaurid genera which he also described: Architis (two species), Drances (one species) and Sisenna (one species). The male genitalia of all Architis species are quite similar while the eyes and body shape show a greater range of variability. Apparently Simon placed more emphasis on these non-genitalic characters in his generic definitions.

Architis helveola (Simon) Figures 1–4

Sisenna helveola Simon, 1898^b:12 (n. sp.). Simon, 1898^a: 292, figs. 290, 291 (n. gen.).

Sisenna helvola, Roewer, 1954:123. Bonnet, 1955–1959:4065.

Type.—Male syntype from São Paulo Olivença, Amazonas, Brazil, designated herein as lectotype. Female paralectotype from same locality.



Figures 1-4.—Genitalia of Architis helveola: 1, 2, right male palpus; 1, ventral view; 2, retrolateral view; 3, 4, epigynum; 3, ventral view; 4, dorsal view. Scales are in mm.

This part of the Mathan Collection identified as #6895 in the Muséum National d'Histoire Naturelle, Paris. Examined.

Diagnosis.—This species resembles Architis tenuis and A. nitidopilosa in the AE row configuration (see Carico 1981, fig. 9). It differs from the latter two species in details of the genitalia, particularly the tibial apophysis of the male and the ventral view of the female epigynum, and by the lack of short, stout spines on the ventral surface of coxae I and II.

Description.—(Measurements in mm) Male lectotype: Carapace low, no pattern on cream ground color; each eye individually ringed in black; length 2.9, width 2.4. Sternum length 1.45, width 1.50, unmarked; labium length 0.46, width 0.42, unmarked, rounded anteriorly. Eye measurements: AE row 0.83, PE row 0.80; ocular quadrangle height 0.42, width posterior 0.40, width anterior 0.34; diameters PLE 0.16, PME 0.16, ALE 0.12, AME 0.14; interdistances PLE-PME 0.18, PME-PME 0.12, ALE-AME 0.24, AME-AME 0.08. Clypeus height 0.05 (ALE) or 0.22 (AME), width 1.02. Legs I-II-IV-III, unmarked with numerous long, dark macrosetae. Measurements are given in Table 1.

Abdomen narrow, mostly covered with irregular white pattern on cream ground color except

for midventral area; patch of dark hairs on anterodorsal margin, length 5.1. Palpus (Figs. 1, 2) with two tibial apophyses: ventral one curved and pointed apically, retrolateral one flat, curved towards cymbium with small point at base ventrally

Female paralectotype: Carapace color and pattern as in male; length 3.0, width 2.5. Sternum

Table 1.—Leg measurements (in mm) for the male lectotype and the female paralectotype of *Architis helveola* (Simon).

	I	II	III	IV
Male				
Femur	5.45	5.2	3.5	4.4
Tibia-patella	7.4	7.0	4.25	4.65
Metatarsus	6.6	6.1	3.5	4.45
Tarsus	2.1	1.95	1.1	1.6
Total	21.55	20.25	12.6	15.1
Female				
Femur	4.9	_	3.4	4.1
Tibia-patella	6.75		4.0	4.55
Metatarsus	6.0	-	3.55	4.1
Tarsus	1.85		1.35	1.6
Total	19.5	~	12.3	14.3

and labium as in male. Abdomen pattern and hairs as in male, length 5.35. Sternum length 1.60, width 1.55, unmarked; labium length 0.55, width 0.50, unmarked, rounded anteriorly. Eye measurements: AE row 0.92, PE row 0.86; ocular quadrangle height 0.40, width posterior 0.45, width anterior 0.36; diameters PLE 0.17, PME 0.17, ALE 0.12, AME 0.13; interdistances PLE-PME 0.22, PME-PME 0.16, ALE-AME 0.33, AME-AME 0.11. Legs (II missing), color and macrosetae as in male, and the measurements are in Table 1.

Epigynum with openings medially, each under longitudinal ridge (Figs. 3, 4), pale and soft externally.

Natural history. - Unknown.

Distribution and material examined.—These male and female are the only known specimens.

Notes.—Bonnet (1955–1959:77) changed the spelling of this species as well as other "helveola" species of Simon to "helvola", because the latter is a more frequently used form. The "helveola" spelling does indeed seem to be a rare form (H. D. Cameron pers. comm.), but the spelling change is not justified according to the current International Code of Zoological Nomenclature.

ACKNOWLEDGMENTS

Help in obtaining specimens was through the efforts of H. W. Levi and C. Rollard. Advice on Latin was provided by H. D. Cameron. Appreciation is extended to R. G. Bennett, N. I. Platnick and P. Sierwald for their reviews of the manuscript.

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Manuscript received 23 April 1992, revised 7 May 1993.