

ON SOUTH AMERICAN *TEMINIUS* (ARANEAE, MITURGIDAE)

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Abstract. The Paraguayan species *Teminius agalenoides* (Badcock), originally described from juveniles only, is removed from the synonymy of *T. insularis* (Lucas) and considered valid. The Argentine species *Philisca filixnotata* Mello-Leitão is transferred to *Teminius* and placed as a junior synonym of *T. agalenoides*; males of that species are described for the first time. *Syrisca fasciata* Schenkel, from Venezuela, is newly synonymized with *Teminius hirsutus* (Petrunkevitch).

Because the American spiders of the genus *Teminius* have a complex nomenclatural history, at the specific, generic, and familial levels, numerous synonyms were recognized in a recent review (Platnick & Shadab 1989). Since the publication of that review, additional information on South American members of the genus has come to light, including Paraguayan and Argentine collections (some of which were previously misplaced in the genus *Philisca*) that include a fourth valid species of *Teminius*. We also note here some errors and omissions in that review.

In addition to material in the collections of the American Museum of Natural History (AMNH) and the Museo Argentino de Ciencias Naturales (MACN), types and other specimens were kindly made available by P. Hillyard of the Natural History Museum, London (BMNH), J. A. Kochalka of the Inventario Biológico Nacional, San Lorenzo, Paraguay (IBNP), L. L. Baert of the Institut Royal des Sciences Naturelles de Belgique, Brussels (IRSN), R. Arzopide of the Museo de La Plata (MLP), and C. Stocker of the Naturhistorisches Museum, Basel (NMB). We thank M. U. Shadab (AMNH) for help with illustrations.

Teminius hirsutus (Petrunkevitch)

Although listed as a new combination by Platnick & Shadab (1989:9), this name was in fact used earlier (in the family Gnaphosidae) by Kraus (1955:40, figs. 114-115), who erroneously considered Petrunkevitch's original males and females not to be conspecific, but who did point out that his own females resemble those of *Syr-*

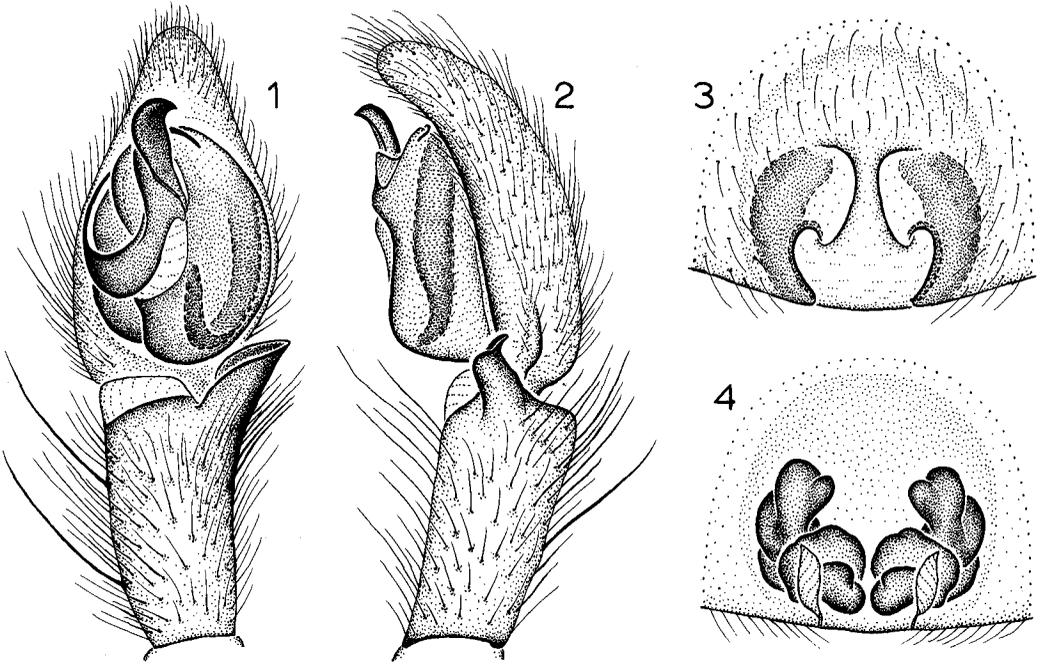
isca pulchra Petrunkevitch (which was synonymized with *T. hirsutus* by Platnick & Shadab).

Through a clerical error, an additional synonym was unfortunately omitted from the review. The female holotype of *Syrisca fasciata* Schenkel (1953:45, fig. 39), taken in El Pozón, Acosta, Falcón, Venezuela (NMB), has been examined. It has the distinctive, medially arched spermathecae of *T. hirsutus*, and Schenkel's name is here placed as a junior synonym of *T. hirsutus* (NEW SYNONYMY).

Teminius insularis (Lucas)

This widespread species occurs in Florida, the Greater Antilles, and throughout tropical South America. Examination of the available Argentine material indicates that it is probably confined to the extreme northern and eastern portions of that country; the confirmed Argentine and Paraguayan records are listed here.

Specimens examined.—**ARGENTINA:** *Chaco:* El Pintado, Sept. 1959 (A. Bachmann), 1 male (MACN); Gancedo (M. Birabén), 1 female (MLP). *Corrientes:* San Cosme, 1937 (J. Wurth), 1 female (MACN); Solari (M. Birabén), 1 female (MLP). *Entre Ríos:* Concepción del Uruguay, Nov. 1963 (E. A. Maury), 1 female (MACN); Parque Nacional El Palmar (M. Birabén), 1 female (MLP), Feb. 1981 (P. A. Goloboff), 1 male (MACN), Nov. 1988 (M. E. Galiano), 1 female (MACN). *Jujuy:* Fraile Pintado, Oct. 1967 (E. A. Maury), 1 male, 1 female (MACN); San Salvador de Jujuy, 17 Jan. 1966 (E. A. Maury), 5 females (MACN). *Misiones:* Candelaria, Dec. 1943 (J. M. Viana), 1 female (MACN); Eldorado, 1 Sept.–15 Nov. 1964 (A. Kovacs), 2 females (AMNH); San Javier, Dec. 1948 (M. Birabén), 1 female (MACN). **PARAGUAY:** *Central:*



Figures 1–4.—*Teminius agalenoides* (Badcock): 1, left male palp, ventral view; 2, same, retrolateral view; 3, epigynum, ventral view; 4, same, dorsal view.

Asunción, 26 Mar. 1985 (J. A. Kochalka), 1 female (IBNP); Itaguá, 27 Sept. 1985 (J. A. Kochalka), 1 female (IBNP); San Lorenzo, 29 Dec. 1985–July 1986 (J. A. Kochalka), 3 males (IBNP). *Concepción*: no specific locality, Nov.–15 Dec. 1988 (J. A. Kochalka), 3 males (IBNP). *Presidente Hayes*: Ruta Trans-Chaco, km. 20 to 130, 25 July 1981 (J. A. Kochalka), 1 female (IBNP).

Teminius agalenoides (Badcock),
new combination
Figs. 1–4

Syrisca agalenoides Badcock, 1932:32 (two juvenile syntypes from Nanahua, Presidente Hayes, Paraguay, in BMNH, examined).

Philisca filixnotata Mello-Leitão, 1938:115 (juvenile holotype from Monte Veloz, Buenos Aires, Argentina, in MLP, examined); Mello-Leitão, 1941:176, fig. 66. NEW SYNONYMY.

Teminius insularis: Platnick & Shadab, 1989:4 (in part).

Diagnosis.— Males can be distinguished from those of the other known species of *Teminius* by the greatly widened median tegular apophysis of the palp (Fig. 1), females by the posteriorly widened and elevated anterior epigynal extension and the w-shaped median epigynal plate (Fig. 3). Unfortunately, the types of both specific names are juveniles (the holotype of *P. filixnotata*, listed

by Mello-Leitão, 1938, as a female, is not adult). As those types do appear to belong to *Teminius*, and were collected within the range of this species, it seems best to consider Badcock's and Mello-Leitão's names synonymous, particularly as the female figured (but not described) by Mello-Leitão (1941) belongs to this species as well. Measurements are in mm.

Male (Guayapa).— Total length 9.08. Carapace 4.24 long, 3.26 wide. Femur II 3.38 long. Eye sizes and interdistances: AME 0.15, ALE 0.15, PME 0.13, PLE 0.13; AME-AME 0.09, AME-ALE 0.06, PME-PME 0.16, PME-PLE 0.21, ALE-PLE 0.09; MOQ length 0.43, front width 0.38, back width 0.41. Leg spination (only surfaces bearing spines listed): femora: I d1-1-0, p0-0-2; II d1-1-0, p0-1-2; III d1-1-1, p1-1-2, r0-1-2; IV d1-1-1, p0-1-2, r0-0-2; tibiae: I p1-0-1, v2-2-1p; II p0-0-1, v1r-2-1p; III, IV d1-1-0, p1-1-1, v2-2-2, r0-1-1; metatarsi: I, II v2-0-0; III p1-2-1, v2-0-2, r1-2-1; IV p2-2-2, v2-2-2, r2-2-2. Median tegular apophysis wide, complexly folded (Fig. 1); retrolateral tibial apophysis with dorsally directed hook (Fig. 2).

Female (Guayapa).— Total length 12.11. Carapace 5.03 long, 4.09 wide. Femur II 3.45 long. Eye sizes and interdistances: AME 0.16, ALE

0.18, PME 0.13, PLE 0.17; AME-AME 0.16, AME-ALE 0.10, PME-PME 0.24, PME-PLE 0.32, ALE-PLE 0.16; MOQ length 0.54, front width 0.48, back width 0.50. Leg spination: femora: I, II d1-1-0, p0-0-1; III d1-1-1, p1-1-2, r0-1-1; IV d1-1-1, p0-1-1, r0-0-1; tibiae: I, II v1r-1r-0; III p1-1-1, v2-2-2, r0-1-1; IV p1-1-1, v2-2-2, r1-1-1; metatarsi: I, II v1r-0-0; III p1-2-1, v2-0-2, r1-2-1; IV p2-2-1, v2-2-2, r2-2-2. Anterior epigynal extension elevated, widened posteriorly (Fig. 3); spermathecal ducts coiled (Fig. 4).

Distribution.— Known only from Argentina and western Paraguay; probably allopatric with *T. insularis*, occurring to the south and west of that species.

Specimens examined.— **ARGENTINA:** *Buenos Aires:* Zelaya, Dec. 1938 (Heffer), 1 female (MACN). *Chaco:* Pinedo (M. Birabén), 1 female (MLP). *La Rioja:* Guayapa, Patquía, 23 Jan. 1962 (L. Yiroff), 1 male (MACN), Oct. 1965 (E. A. Maury), 1 male, 4 females (MACN), Mar. 1968, 1 female (MACN); Tinogasta, 1947 (J. Cranwell), 1 female (MACN). *Salta:* Rosario de la Frontera (M. Birabén), 2 females (MLP); Salta, 1 female (AMNH). *Santa Fe:* Calchaquí (M. Birabén), 1 female (MLP); Constanza (M. Birabén), 1 female (MLP); Departamento de Vera, Sept. 1945 (A. Giai, J. Cranwell), 4 females (MACN). *Santiago del Estero:* Colonia Dora (J. W. Abalos), 1 female (MLP); Girardet, Nov. 1939 (M. Birabén), 1 female (MLP); Nasaló, Nov. 1939 (M. Birabén), 1 female (MLP); Quimilí, Nov. 1939 (M.

Birabén), 1 male, 1 female (MLP); Rumi Punco (M. Birabén), 2 females (MLP). **PARAGUAY:** *Chaco:* Cerro León, Parque Nacional Defensores del Chaco, 18-27 Nov. 1984 (J. A. Kochalka), 1 male (IBNP); Madrejón, Parque Nacional Defensores del Chaco, 5-17 Dec. 1981 (J. A. Kochalka), 1 male, 1 female (IBNP); Misión Cué, Tribu Nueva, 1-6 Sept. 1982 (J. A. Kochalka), 1 female (IBNP). *Nueva Asunción:* Estancia La Madelon, elev. 320 m, 21 May 1984 (L. L. Baert, J.-P. Maelfait), 1 female (IRSN). *Presidente Hayes:* 25 Laguas, 11-12 July 1983 (J. A. Kochalka), 1 female (IBNP).

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