



ARTÍCULO:

Mexican species of the genus *Scytodes* Latreille (Araneae, Scytodidae)

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Mexican species of the genus *Scytodes* Latreille (Araneae, Scytodidae)

Cristina A. Rheims, Antonio D. Brescovit & César G. Durán-Barrón

Abstract:

The spiders of the genus *Scytodes* from Mexico are revised. Of the original four species described from the region, *S. meridana* Chamberlin & Ivie is synonymized with *S. intricata* Banks and *S. perfecta* Banks with *S. univittata* Simon. The remaining two, *S. redempta* Chamberlin & Ivie and *S. itzana* Chamberlin & Ivie are redescribed based on their adult forms. In addition, *S. poenitens* Chamberlin, described from California, USA, is also synonymized with *S. univittata*. Thirteen species are newly described, namely: *S. itzli* n. sp. and *S. tzitzimime* n. sp. from Chiapas, *S. tlaloc* n. sp. from Oaxaca, *S. atlantonin* n. sp. from Sinaloa, *S. opoxtli* n. sp. from Hidalgo, *S. chantico* n. sp. from Baja California, *S. tezcatlipoca* n. sp. from Nayarit, *S. nanahuatzin* n. sp. from Sonora and Baja California, *S. chiconahui* n. sp. from Sinaloa and Nayarit, *S. atlacoya* n. sp. from Tamaulipas, Veracruz and San Luis Potosí, *S. atlantonin* n. sp. from Puebla, Michoacan and Chiapas, *S. alcomitzli* n. sp. from Jalisco and Tamaulipas and *S. mayahuel* n. sp. from Oaxaca, Chiapas and Veracruz. *Scytodes alayoi* Alayón and *S. vaurieorum* Brescovit & Rheims are recorded from Mexico for the first time. New distribution records are presented for *Scytodes univittata* Simon, *S. championi* F.O. P.-Cambridge, *S. fusca* Walckenaer and *S. longipes* Lucas.

Key words: spiders, taxonomy, Neotropical, Nearctic.

Taxonomy: *Scytodes alcomitzli* sp. n., *Scytodes atlacamani* sp. n., *Scytodes atlacoya* sp. n., *Scytodes atlantonin* sp. n., *Scytodes chantico* sp. n., *Scytodes chiconahui* sp. n., *Scytodes itzli* sp. n., *Scytodes mayahuel* sp. n., *Scytodes nanahuatzin* sp. n., *Scytodes opoxtli* sp. n., *Scytodes tezcatlipoca* sp. n., *Scytodes tlaloc* sp. n., *Scytodes tzitzimime* sp. n.

Las especies mexicanas del género *Scytodes* Latreille (Araneae, Scytodidae)

Resumen:

Se revisan las especies de arañas del género *Scytodes* de México. De las cuatro especies originalmente descriptas en la región, *S. meridana* Chamberlin & Ivie se sinónima de *S. intricata* Banks y *S. perfecta* Banks de *S. univittata* Simon. Se redescriven las dos especies restantes, *S. redempta* Chamberlin & Ivie y *S. itzana* Chamberlin & Ivie, en base a especímenes adultos. La especie *S. poenitens* Chamberlin, descrita de California, USA se considera también una sinonimia de *S. univittata*. Se describen trece nuevas especies: *S. itzli* n. sp. y *S. tzitzimime* n. sp. de Chiapas, *S. tlaloc* n. sp. de Oaxaca, *S. atlantonin* n. sp. de Sinaloa, *S. opoxtli* n. sp. de Hidalgo, *S. chantico* n. sp. de Baja California, *S. tezcatlipoca* n. sp. de Nayarit, *S. nanahuatzin* n. sp. de Sonora y Baja California, *S. chiconahui* n. sp. de Sinaloa y Nayarit, *S. atlacoya* n. sp. de Tamaulipas, Veracruz y San Luis Potosí, *S. atlantonin* n. sp. de Puebla, Michoacan y Chiapas, *S. alcomitzli* n. sp. de Jalisco y Tamaulipas y *S. mayahuel* n. sp. de Oaxaca, Chiapas y Veracruz. Se registran por primera vez en México las especies *Scytodes alayoi* Alayón y *S. vaurieorum* Brescovit & Rheims. Se presentan nuevas localidades para México de *Scytodes univittata* Simon, *S. championi* F.O. P.-Cambridge, *S. fusca* Walckenaer y *S. longipes* Lucas.

Palabras clave: arañas, taxonomía, Neotrópico, Neártico.

Taxonomía: *Scytodes alcomitzli* sp. n., *Scytodes atlacamani* sp. n., *Scytodes atlacoya* sp. n., *Scytodes atlantonin* sp. n., *Scytodes chantico* sp. n., *Scytodes chiconahui* sp. n., *Scytodes itzli* sp. n., *Scytodes mayahuel* sp. n., *Scytodes nanahuatzin* sp. n., *Scytodes opoxtli* sp. n., *Scytodes tezcatlipoca* sp. n., *Scytodes tlaloc* sp. n., *Scytodes tzitzimime* sp. n.

Introduction

Scytodes Latreille is a reasonably large and widespread genus of small to medium sized spitting spiders. To date, it includes 163 species found in all zoogeographic regions, except Australia (Platnick 2006). Of these, 61 species are known to occur in the New World, most of them in the Neotropics (Platnick 2006). Located in the south of the North American continent, Mexico is considered a transition zone between the Neotropical and Nearctic regions, with faunal elements of both regions occurring throughout the country.

Ten species are known to occur in Mexico, four of which were originally described from the country (Platnick 2005). *Scytodes perfecta* was proposed by Banks in 1898, based on a female specimen from San Jose del Cabo, Baja California and, almost 30 years later, Chamberlin (1924) proposed *S. redempta* based on juvenile specimens from Isla Partida, Baja California. In 1938, Chamberlin & Ivie proposed *S. itzana* and *S. meridana*, based on a juvenile and a female from Yucatán, respectively. Six other species were recorded from Mexico: *S. intricata* Banks, originally described from Costa Rica, *S. championi* F.O.Pickard-Cambridge, from Panama, *S. univittata* Simon, from Yemen and the pantropical species *S. fusca* Walckenaer, *S. lugubris* (Thorell) and *S. longipes* Lucas (Brignoli 1976).

In this paper we present a revision of the Mexican spiders of the genus *Scytodes*. A solution is proposed to all pending taxonomic issues, with the redescription of the adult forms of *S. redempta* and *S. itzana* and the synonymies of *S. meridana* with *S. intricata* and *S. perfecta* with *S. univittata*. In addition, thirteen species are newly described, *S. alayoi* Alayón and *S. vaurieorum* Brescovit & Rheims are recorded for the first time and distribution records are presented for all species occurring in the country.

Material and methods

The material examined belongs to the following institutions (curators in parenthesis): AMNH, American Museum of Natural History, New York (N.I. Platnick); CAS, California Academy of Sciences, San Francisco (C.E. Griswold); ECOSUR, El Colegio de la Frontera Sur, Tapachula (G. Ibarra-Núñez); MCZ, Museum of Comparative Zoology, Cambridge (G. Giribet and L. Leipensberger); CNAN, Colección Nacional de Arácnidos, Instituto de Biología, Universidad Nacional Autónoma de Mexico, Mexico City (O. Francke).

Descriptions and terminology follow Brescovit & Rheims (2000). All measurements are in millimeters. Epigynes were dissected and submerged in clove oil to study internal structures. Micrographs were obtained with a JEOL (JSM 840A) scanning electron microscope from the “Laboratório de Microscopia Eletrônica do Departamento de Física Geral do Instituto de Física da Universidade de São Paulo (LME-IFUSP)”

Taxonomy

Scytodes intricata Banks, 1909

Figs. 1 - 2, 23 - 27

* *Scytodes intricata* Banks 1909: 196, pl. 6, fig. 24

Female lectotype from Turricares, Costa Rica, deposited in MCZ, examined). Bonnet, 1958: 3984; Valerio, 1981: 84, figs. 3, 12, 22, 23 (Descr. male); Platnick, 2006.

* *Scytodes meridana* Chamberlin & Ivie, 1938: 126, figs. 4-5

Female holotype and male allotype from San Bulha Cave, Merida, Yucatán, Mexico, Jul. 13, 1936, A.S. Pease coll., deposited in AMNH, examined. Bonnet, 1958: 3987; Platnick, 2006. New synonymy.

DIAGNOSIS: The males of *Scytodes intricata* Banks resemble those of *S. itzli* sp. n. (Figs. 5, 35) in having the distal area of the male palp gradually narrowing towards the apex but differ by the longer bulb and twisted apex (Figs. 2, 24-25). The females resemble *S. longipes* Lucas (Valerio 1981: 84, fig. 13) and *S. itzli* sp. n. (Fig. 37) in having a pair of small spermathecae on each side of the vulva (Fig. 27). They differ by the smaller foveas, with the positioning ridges slightly curved and facing anteriorly (Fig. 26).

SYNONYMY: The synonymy of *Scytodes meridana* Chamberlin & Ivie and *S. intricata* Banks was based on the comparison of female type specimens and of the males with figures of male genitalia presented by Valerio (1981: 84, fig. 3).

DESCRIPTION:

Male (AMNH – Cacahuamilpa, Guerrero, Mexico). Carapace orange, slightly lighter at center, with dark brown pattern. Chelicerae pale orange with small dorsal brown mark at base. Pedipalps orange with dorsal-prolateral brown markings on patellae and tibiae. Labium pale yellow, brown at base. Endites pale yellow. Sternum yellow with orange margins, black stains in front of each coxae, and 7 median black stains at center. Legs orange with longitudinal brown bands, except on tarsi. Abdomen gray with black pattern (Fig. 23). Total length 7.60. Carapace slightly domed, 3.90 long, 3.20 wide. Eye diameters: PME 0.24, ALE 0.20, PLE 0.20. Lateral eyes on tubercle. Chelicerae with subapical hyaline keel and 6 conspicuous stridulatory ridges. Labium 0.44 long, 0.60 wide. Sternum 2.06 long, 1.54 wide. Leg measurements: I: femur 10.50/ patella 1.10/ tibia 10.90/ metatarsus 13.50/ tarsus 1.60/ total 37.60; II: 8.90/ 1.10/ 8.40/ 11.00/ 1.40/ 30.80; III: 6.70/ 1.10/ 5.40/ 7.10/ 1.10/ 21.40; IV: 8.10/ 1.10/ 7.60/ 9.30/ 1.30/ 27.40. Palpal femur with stridulatory pick long, slender, on projected socket (Fig. 1). Cymbium with pair of strong distal spines (Figs. 24-25). Bulb 0.82 long, gradually narrowing, distally twisted (Figs. 2, 24-25). Abdomen 3.70 long, 2.40 wide, covered with slender hairs.

Female (AMNH – Nochixtlan, Oaxaca, Mexico). Coloration as in male. Total length 7.40. Carapace domed, 3.60 long, 1.90 wide. Eye diameters: PME 0.16, ALE 0.18, PLE 0.18. Lateral eyes on tubercle. Chelicerae as in male. Labium 0.20 long, 0.28 wide. Sternum 1.94 long, 1.34 wide. Leg measurements: I: femur 5.70/ patella 0.80/ tibia 5.90/ metatarsus 7.10/ tarsus 1.40/ total 20.90; II: 4.70/ 0.80/ 4.70/ 5.70/ 1.20/ 17.10; III: 3.10/ 0.80/ 2.80/ 3.30/ 0.80/ 10.80; IV: 3.90/ 0.80/ 4.00/ 4.10/ 0.90/ 13.70. Palpal femur as in male. Epyginum externally with foveas separated from each other by their width. Positioning ridges slender, slightly facing anteriorly (Fig. 26). Vulva with two similar sized, rounded spermathecae on narrow, slightly sinuous stalks (Fig. 27). Abdomen 3.80 long, 2.80 wide, as in male.

VARIATION: Fifteen males: total length: 5.90-8.80; carapace: 2.80-4.20; femur I: 8.00-12.00. Fifteen females: total length: 6.40-10.20; carapace: 3.20-4.30; femur I: 4.80-9.60.

DISTRIBUTION: Known from Mexico and Costa Rica.

ADDITIONAL MATERIAL EXAMINED: MEXICO. *Campeche*: Lerna, 2m, 26.VII.1948, C. & M. Goodnight coll. (AMNH); *Chiapas*: 15 miles N.W. Arriaga (16°25'N; 94°01'W), 1f, 27.VIII.1966, J. & W. Ivie coll. (AMNH), Chiapa de Corzo, 1m, 19.V.1978, A. Mendez coll. (CNAM), near Finca Cacahuatan (3300m), 1m 1f, 7.VIII.1950, C. & M. Goodnight coll. (AMNH), Finca Santa Marta, near Huehuetan, 2f6juvs., 31.VII.1950, C. & M. Goodnight coll. (AMNH), Palenque, Palenque ruins, 1f, VII.1948, C. Goodnight coll. (AMNH), Tapachula, F. Irlanda, 1f, 2.IX.1999, A. Santos G.coll. (ECOSUR), Tapachula, 1f (AMNH); *Coahuila*: 5 miles S.E. Saltillo, Diamante Drive, 2f, 26.XI.1937, A.M. & L.I. Davis coll. (AMNH); *Colima*: 1 mile E. Colima, 1m 6juvs., 28.VIII.1965, R. Hastings coll. (AMNH); *Distrito Federal*: 1f, 18.V.1946 (AMNH), 1m, 10.XII.1944, F. Bonet coll. (AMNH), 1m, 11.XI.1943 (AMNH), 1m 1f, 1941-1942, H. Wagner coll. (AMNH), 1f, 1940, H. Wagner coll. (AMNH), Mexico City, 1m, V.1940, H. Wagner coll. (AMNH), 1f, 2juvs., VIII.1978, J. Klass coll. (MCZ 54671), 1f 2juvs., VIII.1978, J. Klass coll. (MCZ 55723), 2f, VII.1930, G. Lassmann coll. (AMNH), 1m, 1945, H. Wagner coll. (AMNH), Pedregal de San Angol, 1f, 22.IV.1978, J.F. Castro coll. (CNAM), Pedregales, 1f 2juvs. (AMNH), San Geronimo (2450m), 1f, III.1947, H. Wagner coll. (AMNH), San Jeronimo Lidice, 1f, 28.V.1998, WL & ALF coll. (CNAM), Ciudad Universitaria, 1f, 6.XI.1959 (CNAM), 1m, 19.VI.1981 (CNAM), 1m, 15.VI.1999, J. Castello coll. (CNAM), Tarepatla, 1f, XII.1998, A. Valencia coll. (CNAM); *Durango*: Providencia (7700 ft.), 1f, 24.VIII.1947, A.M. Davis coll. (AMNH), *Guerrero*: Acuitlapan, 1m, 28.X.1976, González Figueroa coll. (CNAM), Acuitlapan, 1m, 23.I.1978, G. Palacios coll. (CNAM), 4 miles W. Cacahuamilpa (18°41'N; 99°34'W), 1m 3juvs., 3.IX.1966, J. & W. Ivie coll. (AMNH), La Azul (?) (18°35'N; 99°33'W), 1f, 3.V.1963, W.J. Gertsch & W. Ivie coll. (AMNH), Las Granadas, 1f 2juvs., 4.XI.1996, J. Castello coll. (CNAM), Michapa, Resumidero Rio San Geronimo, 1m, 18.X.1942, C. Bolívar coll. (AMNH), Taxco (18°33'N; 99°36'W), 1f,

3.V.1963, W.J. Gertsch & W. Ivie coll. (AMNH), Xilitla, 1m, 28.VI.1978 (CNAM); *Hidalgo*: Jacala, 1m 1f 2juvs., 20.VII.1956, V. Roth & W.J. Gertsch coll. (AMNH), (21°01'N; 99°11'W), 1m 1f 3juvs., 27.VII.1966, J. & W. Ivie coll. (AMNH), (21°01'N; 99°12'W), 1m 5f, 20.IV.1963, W.J. Gertsch & W. Ivie coll. (AMNH); Nanchitlita, 1f, XI.1996, J. Castello coll. (CNAM); *Mexico*: Tonatico, 1f (CNAM); *Michoacan*: Agua Blanca, 1f, VII.1977, C. Gispert coll. (CNAM); *Morelos*: Acatlipa, 1f, 10.VIII.1946, Bolívar, Bonet & Goodnight coll. (AMNH), Cammomila, 1f, 22.I.1978, A. Salavar coll. (CNAM), Cuernavaca, 1f, IV.1959, N.L.H. Krauss coll. (AMNH), 1f, 18.XI.1946, M.G. Bradt coll. (AMNH), 9 miles S. Cuernavaca, 1f 1juv., XII.1948, E.S. Ross coll. (CAS), N. Cuernavaca (18°56'N; 99°14'W), 4f 2juvs., 6.V.1963, W.J. Gertsch & W. Ivie coll. (AMNH), 3m 11f 3juvs., 6.V.1963, W.J. Gertsch & W. Ivie coll. (AMNH), W. Huajintlan (18°25'N; 99°27'W) 1m, 3.V.1963, W.J. Gertsch & W. Ivie coll. (AMNH), Oaxtepec, 1f, 4.VII.1943, C. Bolívar & O. Diaz coll. (AMNH), 1f, 17.V.1942, Correa & Cardenas coll. (AMNH), Tepoztlán, 1f, 23.VIII.1978, V. Villa coll. (CNAM), Zacatepec, 1m, 3.V.1949 (CNAM); *Oaxaca*: 15 km E. Mitla, 2f, 17.VIII.1988, S.A. Stockwell coll. (AMNH), 5 miles N.E. Mitla, near El Crucero ruins (6800'- 7200 ft), 1f, 27.VIII.1963, M.R. Bogert, G. Sluder & N. Bucknall coll. (AMNH), Nochixtlan (17°27'N; 97°14'W), 1f, 4.IX.1963, J. & W. Ivie coll. (AMNH), 9 miles S.E. Nocixtlan (17°20'N; 97°12'W), 1m 3f 4 juvs., 1.V.1963, W.J. Gertsch & W. Ivie coll. (AMNH), Santiago Tepletapa, 1f, 21.I.1978, D. Sosa coll. (CNAM); *Puebla*: 3 miles S. Chila, 2f 1juv., 13.XII.1948, E.S. Ross coll. (AMNH), 8 miles S. Izucar de Matamoros, 1f, 10.XII.1948, E.S. Ross coll. (CAS), La Trinidad, 1f, 3.XI.1994, E. Barrera & C. Mayorga coll. (CNAM); *Queretaro*: 5 km N.N.W. Laguna Colorado, 2f, 21.VII.1972, J. Reddell & J.M. Rowland coll. (AMNH); *Quintana Roo*: Coba (20°30'N; 87°44'W), 2f 4 juvs., 1.II.1984, V. & B. Roth coll. (CAS), 3 km E. Pamul, 1f, 19-20.VII.1983, J. Reddell coll. (AMNH), Tancah, Cueva de Tancah, 2f, 1.VII.1975, J. Reddell, A. Grubbs & S. Wiley coll. (AMNH), Tulum, 1f 1juv., 8.XI.1973, S.C. Williams & C.L. Mullinex coll. (CAS); *San Luis Potosí*: 1f 6 juvs., 12.XI.1948, H.B. Leech coll. (CAS), 14.6 miles W. intersection with road to Charcas, on route 49 (2200m), 3f, 25.V.1982, F. Coyle coll. (MCZ 54569), 30 miles N. of intersection with road to Charcas, on route 49 (2000m), 1f, 25.V.1982, F. Coyle coll. (MCZ 54570), Charcas, 2f 4juvs., 8.VII.1934 (MCZ 55724), Charcas Plain, 3f 1juv., VII.1934 (AMNH), 2.8 miles E. San Francisco, on route 70 (2000m), 1f, 26.V.1982, F. Coyle coll. (MCZ 54568), 4.1 miles W. San Francisco, on route 70 (2400m), 1m, 26.V.1982, F. Coyle coll. (MCZ 54567), 4 miles San Luis Potosí, 1m, 7.VI.1941, A.M. & L.I. Davis coll. (AMNH), 70 miles W. Valles, 2f 1 juv., 19.II.1970, J.A.L. Cooke coll. (AMNH), El Derrumbe, near San Francisco on the way to San Luis Potosí, 1m 2f 2 juvs., 11.VII.2000, E. González-Santillán, O Delgado, J. Castelo, E. Lira, J. Lira & C. Durán-Barrón coll. (CNAM); *Tlaxcala*: Tlaxcala, 2m 3f

7 juvs., 26.VII.1956, V. Roth & W.J. Gertsch coll. (AMNH); Veracruz: Fortín, 1f, 28.IV-1.V.1944, C. Bolívar & I. Pina coll. (AMNH), near Fortín, La Planta de Moctezuma, 2f, 7.VII.1947, C. & M. Goodnight coll. (AMNH), S.W. Orizaba Tlilapan, Cueva Ojo de Agua, 1m 3f, 8.VIII.1969, S. & J. Peck coll. (AMNH); Yucatán: Catzín, Cenote de Catzín, 1m, 6.VII.1975, J. Reddell & A. Grubbs coll. (AMNH), 1 km S. Muna, 1f, 4.VIII.1973, M.C.E. González coll. (AMNH), Piste, 1f 1juv., 4-8.VI.1959, C. & P. Vaurie coll. (AMNH), Valladolid, Cenote Zaci, 2m 1juv., 22.VII.1983, J. Reddell coll. (AMNH), Cenote Zaci (20°41'N; 88°12'W), 2f 3juvs., 10.I.1984, V. & B. Roth coll. (CAS), Actún Kaua, 1f, 23.VIII.1972, Cooke & Russell coll. (AMNH), Actún Xpuhil, 1f, 3.VIII.1973, J. Reddell coll. (AMNH), Mayapan ruins, 2f, 14.VIII.1973, J. Reddell coll. (AMNH); Zacatecas: 37 miles N.W. Fresnillo, 1f, 31.VIII.1965, R.H. Hastings & W.J. Gertsch coll. (AMNH), S.E. Zacatecas, Los Patos Pond, 1f, 29.XII.1943, A.M. & L.I. Davis coll. (AMNH).

Scytodes atlacoya sp. n.

Figs. 7 - 8; 28 - 32

* *Scytodes intricata*: Gertsch, 1935: 9, figs. 15-16
(misidentification).

TYPES: Male holotype from km 644 on Victoria Highway, Tamaulipas, México, Jun., 1967, J. Reddell leg., deposited in AMNH. Paratypes: 1m 2f, El Tinieblo, Tamaulipas, Mexico, 15.II.1970 – 12.III.1972, J.A.L. Cooke leg (AMNH); 1m, 7 miles S. Colima, Colima, Mexico, 2.VIII.1956, W.J. Gertsch & V. Roth leg. (IBSP 51884); 2f, Llera Mesa (23°23' S; 98°59' W), Tamaulipas, Mexico, 16.IV.1963, W.J. Gertsch & W. Ivie leg. (IBSP 51883).

ETYMOLOGY: The specific name is a noun in apposition taken from Aztec mythology. Atlacoya is believed to be the goddess of drought.

DIAGNOSIS: *Scytodes atlacoya* sp. n. resembles *S. atlacamani* sp. n. (Figs. 10, 39-41) in the conformation of the male and female genitalia. They differ by the male palp with distal area apically directed and narrow at base (Figs. 7, 29-30) and by very small, triangular positioning ridges and the very large epigynal pouch on the female epigynum (Fig. 31).

DESCRIPTION:

Male (AMNH – Tamaulipas, Llera Mesa). Carapace dark orange with dark brown pattern. Chelicerae orange with large dorsal brown mark. Labium and endites cream colored, distally brown. Sternum cream colored with dark orange margins, black triangular marks in front of each coxae and longitudinally at center. Legs and pedipalps orange mottled with dark brown spots. Abdomen gray, mottled with black spots (Fig. 28). Total length 7.60. Carapace flattened, 4.00 long, 3.30 wide. Eye diameters: PME 0.18, ALE 0.20, PLE 0.20. Lateral eyes on tubercle. Chelicerae with subapical hyaline keel and six conspicuous stridulatory ridges. Labium 0.46 long, 0.50 wide. Sternum 2.06 long, 1.44 wide. Leg measurements: I: femur 8.40/ patella 1.00/ tibia 8.30/ metatarsus 11.60/ tarsus 1.60/ total 30.90; II: 7.20/ 1.00/ 6.70/ 9.40/ 1.30/ 25.60; III: 4.60/ 1.00/ 3.90/ 5.50/ 0.90/ 15.90; IV: 6.60/

1.00/ 5.50/ 7.20/ 1.00/ 21.30. Palpal femur with stridulatory pick long, slender, on rounded, projected socket. Cymbium with two or three strong distal spines (Figs. 8, 29). Bulb distally twisted (Fig. 30). Abdomen 3.60 long, 2.70 wide, covered with slender hairs.

Female (AMNH – Llera Mesa, Tamaulipas). Coloration as in male. Total length 7.90. Carapace domed, 3.50 long, 3.00 wide. Eye diameters: PME 0.16, ALE 0.16, PLE 0.16. Lateral eyes and chelicerae as in male. Labium 0.36 long, 0.40 wide. Sternum 1.80 long, 1.44 wide. Leg measurements: I: femur 5.80/ patella 1.00/ tibia 5.90/ metatarsus 7.50/ tarsus 1.30/ total 21.50; II: 4.90/ 1.00/ 4.50/ 6.00/ 1.10/ 17.50; III: 3.00/ 1.00/ 2.70/ 3.70/ 0.80/ 11.20; IV: 4.50/ 1.00/ 3.90/ 4.70/ 0.90/ 15.00. Palpal femur as in male. Epigynum with small triangular positioning ridges separated from each other by three times their width on large subquadrangular slightly sclerotized area (Fig. 31). Vulva with inconspicuous spermathecae and large sclerotized area, laterally at base of epigynal pouch (Fig. 32). Abdomen 4.40 long, 2.80 wide, as in male.

VARIATION. Ten males: total length: 4.80 – 8.70; carapace: 2.70 - 4.30; femur I: 7.30 – 10.80. Ten females: total length: 6.30 – 10.10; carapace: 3.00 – 4.50; femur I: 5.60 – 7.20.

DISTRIBUTION: Mexico, states of Colima, Tamaulipas, Veracruz and San Luis Potosí.

ADDITIONAL MATERIAL EXAMINED: MEXICO. *San Luis Potosí*: El Salto, 1f, 20.VII.1979, J. Reddell & J.M. Rowland leg. (AMNH). *Tamaulipas*: Llera Mesa (23°23' N; 98°59' W), 2f 1m, 16.IV.1963, W.J. Gertsch & W. Ivie leg. (AMNH); 1f, 19.V.1974, W. Elliot, C. Soileau & J. Prentice leg. (AMNH); S. Nuevo Laredo, 1f, 25.XII.1947, Mulik leg. (AMNH). *Veracruz*: Huatusco, 1m, 30.VII.1948, H.M. Wagner leg. (AMNH).

Scytodes itzli sp. n.

Figs. 3 - 6; 33 - 37

TYPES. Male holotype from San Cristobal de las Casas, Chiapas, Mexico, 22.VII.1947, C. Goodnight coll., deposited in AMNH. Paratypes: 1m, 17 km SE San Cristobal de las Casas (2195 m.), Chiapas, Mexico, 15.I.1973, K.E. Lucas coll. (CAS); 1f, Cruz Quemada, near Amatenango, Chiapas, México, 1juv., 24.VII.1950, C. & M. Goodnight coll. (AMNH); 1f, Tuxtla Gutierrez (1750 ft.), Chiapas, Mexico, 27.VIII.1977, T.C. Meilke & C.E. Griswold coll. (CAS), 2f, 5 miles W. San Cristobal (16°45'N; 92°41'W), 24.VIII.1966, J. & W. Ivie coll. (IBSP 51796).

ETYMOLOGY: The specific name is a noun in apposition taken from Aztec mythology. Itzli is believed to be the stone knife god of sacrifice.

DIAGNOSIS: - The males of *S. itzli* sp. n. resemble those of *Scytodes intricata* Banks (Figs. 2, 24-25) in having the distal area of the male palp gradually narrowed towards the apex, but differ by the shorter bulb with a median slightly projected area (Figs. 34-35). The females resemble those of *S. longipes* Lucas (Valerio, 1981: 84, fig. 13) in the large foveas and pair of small

spermathecae on each side of the vulva (Figs. 36-37). They differ by the ridged positioning ridges and by having slender foveas widely separated from each other (Fig. 36).

DESCRIPTION:

Male (AMNH – San Cristobal, Chiapas, Mexico). Carapace dark orange with brown pattern. Chelicerae pale yellow with light brown stain on anterior half. Pedipalps yellow with transverse brown bands. Labium pale yellow, distally light brown. Endites pale yellow. Sternum pale yellow with orange margins, brown triangular stains in front of each coxae and median scattered brown stains. Legs yellow with transverse brown bands. Abdomen pale yellow with black pattern (Fig. 33). Total length 4.00. Carapace slightly domed, 1.90 long, 1.70 wide. Eye diameters: PME 0.12, ALE 0.14, PLE 0.12. Lateral eyes on tubercle. Chelicerae with subapical hyaline keel and six stridulatory ridges. Labium 0.32 long, 0.42 wide. Sternum 1.10 long, 0.94 wide. Leg measurements: I: femur 5.10/ patella 0.50/ tibia 5.30/ metatarsus 6.70/ tarsus 0.70/ total 18.30; II: 4.00/ 0.50/ 3.60/ 4.80/ 0.90/ 13.80; III: 2.50/ 0.50/ 3.30/ 3.80/ 0.70/ 8.70; IV: 3.70/ 0.50/ 3.30/ 3.80/ 0.90/ 12.20. Palpal femur with stridulatory pick long, slender, on rounded, very projected socket (Fig. 3). Cymbium with pair of strong distal spines (Fig. 6). Bulb 0.58 long (Figs. 4-5). Abdomen 2.10 long, 1.40 wide, covered with slender hairs.

Female (CAS – San Cristobal de las Casas, Chiapas, Mexico). Coloration as in male, but darker. Total length 7.50. Carapace domed, 3.00 long, 2.60 wide. Eye diameters: PME 0.18, ALE 0.18, PLE 0.18. Lateral eyes on tubercle. Chelicerae as in male. Labium 0.28 long, 0.34 wide. Sternum 1.74 long, 1.24 wide. Leg measurements: I: femur 4.80/ patella 0.70/ tibia 4.80/ metatarsus 6.50/ tarsus 1.10/ total 17.90; II: 3.90/ 0.70/ 3.60/ 4.90/ 0.90/ 14.00; III: 2.20/ 0.70/ 2.70/ 3.00/ 0.80/ 9.40; IV: 3.60/ 0.70/ 3.30/ 3.80/ 0.90/ 12.30. Palpal femur as in male. Epigynum with small epigynal pouch (Fig. 36). Vulva with pair of small, round spermathecae, on short, slender stalks, adjacent to slightly sickle-like sclerotized area (Fig. 37). Abdomen 3.00 long, 2.60 wide, as in male.

VARIATION: Two males: total length: 4.00 – 4.70; carapace: 1.90 – 2.40; femur I: 5.10 – 5.40. Nine females: total length: 5.60-7.60; carapace: 2.80-3.80; femur I: 3.90-8.70.

DISTRIBUTION: Mexico, State of Chiapas.

ADDITIONAL MATERIAL EXAMINED: MEXICO. Chiapas: 8 km S.E. San Cristobal de Las Casas, 2f, 28.VIII.1976, E.S. Ross coll. (CAS), 5 miles W. San Cristobal (16°45'N; 92°41'W), 1f 8juvs., 24.VIII.1966, J. & W. Ivie coll. (AMNH), 6 miles E. Tepisca, Rancho Nuevo, 1f, 19.VIII.1967, J. Reddell, J. Fish & T.R. Evans coll. (AMNH), 6 miles S. Tuxtla Gutierrez (16°42'N; 93°07'W), 2f, 21.VIII.1966, J. & W. Ivie coll. (AMNH).

Scytodes atlacamani sp. n.

Figs. 9-11; 38-42

TYPES: Male holotype and female paratype from 7 miles N.E. Tehuatan, Puebla, Mexico, 7.IV.1967, W. Peck coll. deposited in CAS. Paratypes: 2f, 3 miles W. Patzucaro

(2250m), Michoacan, Mexico, 2.VI.1982, F. Coyle coll. (MCZ 54572); 2f, Tehuacan, Puebla, Mexico, 24.VII.1956, W.J. Gertsch & W. Ivie coll. (IBSP 46775); 1m1f, 7 miles S. Tlacotepec, Veracruz, Mexico, 24.VI.1936, A.M. & L.I. Davis coll. (AMNH).

ETYMOLOGY: The specific name is a noun in apposition taken from Aztec mythology. Atlacamani is believed to be the goddess of storms which occur in the ocean.

DIAGNOSIS: *Scytodes atlacamani* sp. n. resembles *S. atlacoya* sp. n. (Figs. 7, 29-32) in the conformation of the male and female genitalia. They differ by the male palp with distal area straight and wide at base (Figs. 10, 39-40) and by very large, triangular positioning ridges and the small epigynal pouch in the female epigynum (Fig. 41).

DESCRIPTION:

Male (MCZ 54572 – Patzcuaro, Michoacán, Mexico). Carapace orange with dark brown pattern. Chelicerae orange with dorsal longitudinal brown stain on anterior half. Labium dark brown. Endites pale orange, retrolaterally brown. Sternum pale orange with darker margins, dark brown stains in front of each coxae and pedicel, extending towards center. Legs and pedipalps orange with transverse dark brown bands. Abdomen gray with black pattern (Fig. 38). Total length 4.70. Carapace slightly domed, 2.50 long, 2.00 wide. Eye diameters: PME 0.14, ALE 0.14, PLE 0.16. Lateral eyes on tubercle. Chelicerae with subapical hyaline keel and 12 slightly conspicuous stridulatory ridges. Labium 0.20 long, 0.28 wide. Sternum 1.30 long, 1.10 wide. Leg measurements: I: femur 4.00/ patella 0.60/ tibia 3.90/ metatarsus 4.80/ tarsus 0.50/ total 13.80; II: 3.20/ 0.60/ 3.00/ 3.90/ 0.90/ 11.60; III: 2.20/ 0.60/ 1.90/ 2.40/ 0.70/ 7.80; IV: 3.10/ 0.60/ 2.90/ 3.30/ 0.80/ 10.70. Palpal femur with stridulatory pick long, slender, on very projected socket (Fig. 9). Cymbium with two strong distal spines (Fig. 11). Bulb 0.56 long, distally twisted (Figs. 10, 39-40). Abdomen 2.20 long, 1.80 wide, covered with slender hairs.

Female (CAS – Tehuatan, Puebla, Mexico). Coloration as in male. Total length 5.30. Carapace domed, 2.50 long, 2.10 wide. Eye diameters: PME 0.14, ALE 0.16, PLE 0.16. Lateral eyes on tubercle. Chelicerae as in male. Labium 0.26 long, 0.40 wide. Sternum 1.28 long, 1.08 wide. Leg measurements: I: femur 3.30/ patella 0.60/ tibia 3.50/ metatarsus 4.10/ tarsus 1.00/ total 12.50; II: 2.90/ 0.60/ 2.70/ 3.20/ 0.90/ 10.30; III: 2.10/ 0.60/ 1.80/ 2.10/ 0.80/ 7.40; IV: 2.70/ 0.60/ 2.60/ 2.50/ 0.80/ 9.20. Palpal femur as in male. Epigynum with large, triangular positioning ridges, separated from each other by four times their width, on large rounded slightly sclerotized area (Fig. 41). Vulva with pair of oval spermathecae adjacent to sclerotized area. Anterior spermathecae large, with wide, curved stalk, posterior spermathecae smaller, with straight, slender stalk (Fig. 42). Abdomen 2.80 long, 2.50 wide, as in male.

VARIATION: Three males: total length: 4.50-4.70; carapace: 2.20-2.80; femur I: 4.00-5.10. Nine females: total length: 5.00-6.50; carapace: 2.20-3.10; femur I: 3.20-4.00.

DISTRIBUTION Mexico, states of Chiapas, Michoacan, Veracruz and Puebla.

ADDITIONAL MATERIAL EXAMINED: MEXICO. *Chiapas*: Monte Bello, Posada de Bosque Bello de las Lagunas de Monte Bello, 1m, 27.XII.1974, P.R. Craig & D. Green coll. (CAS); *Puebla*: Tehuacan, 4f 2juvs., 24.VII.1956, W.J. Gertsch & W. Ivie coll. (AMNH).

Scytodes alayoi Alayón, 1977

Figs. 12-13, 43-47

* *Scytodes alayoi* Alayón, 1977: 12, fig. 4A-D.

Male holotype and female paratype from Reparto Atabey, Marianao, Habana, Cuba, deposited in ACC/IZ, not examined; female paratype from San Antonio de los Baños, Habana, Cuba, deposited in ACC/IZ, not examined; male paratype from Laguna Arigunabo, Habana, Cuba, deposited in MCZ, examined; Brignoli, 1983: 149; Platnick, 2006.

DIAGNOSIS: The males of *Scytodes alayoi* Alayón are distinguished from the remaining *Scytodes* by the presence of a retrolateral row of very strong spines on tibia I (Fig. 12). The females resemble those of *Scytodes alcomitzli* sp. n. (Figs. 51-52) in the conformation of the epigynum, but differ by having the positioning ridges set closer together (Fig. 46) and by the smaller spermathecae (Fig. 47).

DESCRIPTION

Male (Paratype – Laguna Arigunabo, Habana, Cuba). Carapace orange with brown pattern. Chelicerae yellow with dorsal longitudinal brown stripe. Pedipalps and legs yellow mottled with brown spots. Tibia I-IV with dark ends. Labium and endites yellow. Sternum yellow with brown stains in front of each coxae. Abdomen grayish with black pattern (Fig. 43). Total length 3.20. Carapace slightly domed, 1.70 long, 1.50 wide. Eye diameters: PME 0.10, ALE 0.14, PLE 0.14. Lateral eyes on a tubercle. Chelicerae with subapical hyaline keel and inconspicuous stridulatory ridges. Labium 0.08 long, 0.26 wide. Sternum 1.10 long, 0.84 wide. Leg measurements: I: femur 2.30/ patella 0.60/ tibia 2.50/ metatarsus 3.10/ tarsus 0.60/ total 9.10; II: 1.90/ 0.60/ 1.90/ 2.10/ 0.50/ 7.00; III: 1.20/ 0.60/ 1.20/ 1.40/ 0.40/ 4.80; IV: 2.00/ 0.60/ 1.80/ 1.90/ 0.50/ 6.80. Palpal femur with stridulatory pick long and slender on rounded and projected socket. Cymbium with a single strong distal spine (Fig. 44) Bulb 0.50 long, medially constricted (Fig. 45). Distal area with retrolateral sclerotized projection and concave area lined with small pointed tubercles (Fig. 13). Abdomen 1.50 long, 1.30 wide, covered with slender hairs.

Female (AMNH – San Luis Potosí). Coloration as in male. Total length 4.20. Carapace domed, 2.50 long, 2.00 wide. Eye diameters: PME 0.12, ALE 0.12, PLE 0.12. Lateral eyes on tubercle. Chelicerae as in male. Labium 0.16 long, 0.30 wide. Sternum 1.20 long, 0.88 wide. Leg measurements: I: femur 2.20/ patella 0.50/ tibia 2.40/ metatarsus 3.00/ tarsus 0.50/ total 8.60; II: 1.70/ 0.50/ 1.80/ 2.10/ 0.50/ 6.60; III: 1.50/ 0.40/ 1.10/ 1.40/ 0.40/ 4.80; IV: 1.80/ 0.50/ 1.90/ 2.00/ 0.50/ 6.70. Palpal femur as in male. Epigynum with slightly triangular epigynal

pouch and pair of c-shaped positioning ridges, separated from each other by almost four times their width (Fig. 46). Vulva with small rounded spermathecae and large, fused, laterally sclerotized hyaline pockets (Fig. 47). Abdomen 1.70 long, 1.80 wide, as in male.

VARIATION: Six males: total length: 3.20-3.60; carapace: 1.70-2.00; femur I: 2.10-2.80. Fifteen females: total length: 3.50-5.10; carapace: 1.90-2.40; femur I: 1.60-2.40.

DISTRIBUTION: Known from Cuba and Mexico (states of Campeche, San Luis Potosí, Tamaulipas and Veracruz).

ADDITIONAL MATERIAL EXAMINED: MEXICO. *Campeche*: Ciudad del Carmen, 1m, 28.VII. 1948, C. Goodnight coll. (AMNH); *San Luis Potosí*: Valles, Hotel Covadonga (21°57'N; 99°05'W), 1m 4f 2juvs., 16.VIII.1964, J. & W. Ivie colls. (AMNH); 1 mile SW Tamazunchale (21°15'N; 98°49'W), 1f 1juv., 25.VII.1966, J. & W. Ivie colls. (AMNH); Pujal, 1f, 19.V.1952, M. Cazier, W.J. Gertsch & R. Schrammel colls. (AMNH); *Tamaulipas*: Tampico, 1m, 1942 (AMNH); Mante (22°45'N; 98°58'W), 1m 3f 1 juv., 17.IV.1963, W.J. Gertsch & W. Ivie colls. (AMNH); N. Mante, 1m, 8.VII.1943 (AMNH); Santa Teresa, 1m 1juv., 15.V.1952, W.J. Gertsch coll. (AMNH); *Veracruz*: Veracruz, 1f, VII.1955, N.L.H. Krauss coll. (AMNH); 1f, 27.VI.1953, C. Goodnight coll. (AMNH); 3 miles S.O. Veracruz (19°08'N; 96°07'W), 1f, 26.IV.1963, W.J. Gertsch & W. Ivie colls. (AMNH); 5 miles S.O. Veracruz (19°07'N; 96°06'W), 1m 1juv., 7.VIII.1966, J. & W. Ivie colls. (AMNH); Sayula, 1m, 30.VI.1955, R.B. & J.M. Selander colls. (AMNH); Nogales, 1f, VI.1955, N.L.H. Krauss coll. (AMNH); Fortín, 1f, 26.VI.1944, L.I. Davis coll. (AMNH); Catemaco, Lake Catemaco, 1f, VI.1974, C. & M. Goodnight colls. (AMNH); Catemaco, Playa Azul (18°25'N; 95°04'W), 1f, 9.VIII.1966, J. & W. Ivie colls. (AMNH).

Scytodes alcomitzli sp. n.

Figs. 14-16; 48-52

TYPES: Male holotype from Estación Biológica Chamela (19°29'N; 105°02'W, 285m), Chamela, Jalisco, Mexico, 20-25.X.2001, C. Durán-Barrón, E.G. Santillán, L.O Pérez, R.P. León & J.C. Calvillo coll., deposited in CNAM. Paratypes: 1m 2f, with the same data as holotype (CNAM, IBSP 46755); 2m 1f, from the same locality as holotype, IX.1988, W. Eberhard coll. (MCZ 54566), 1f, IX.1988, W. Eberhard coll. (MCZ 54562).

ETYMOLOGY The specific name is a noun in apposition taken from Aztec mythology. Alcomitzli is believed to be a god of the underworld.

DIAGNOSIS: The males of *Scytodes alcomitzli* sp. n. resemble those of *S. alayoi* Alayón (Fig. 13) and *S. mayahuel* sp. n. (Figs. 17-18) in the presence of a concave distal apex lined with small pointed tubercles on the palp (Fig. 16). They differ by the apical projection of the bulb and the retrolateral triangular projection on the distal third of the palp (Figs. 14, 49).

The females resemble those of *S. alayoi* (Figs. 46-47) in the conformation of the epigynum. They differ by the more widely separated positioning ridges (Fig. 51) and larger spermathecae (Fig. 52).

DESCRIPTION:

Male (CNAM – Chamela, Jalisco, Mexico). Carapace pale yellow with black pattern. Chelicerae pale yellow with dorsal longitudinal black stripe. Pedipalps pale yellow. Labium pale yellow. Endites slightly lighter. Sternum pale yellow with pale orange margins and small black stains in front of coxae I-III. Legs pale yellow. Femora I-IV with pair of ventral longitudinal black stripes. Tibiae and metatarsi I-IV with black ends. Abdomen pale yellow with three median posterior transverse black stripes and anterior slightly U-shaped black stripe (Fig. 48). Total length 4.70. Carapace slightly domed, 2.30 long, 2.00 wide. Eye diameters: PME 0.12, ALE 0.12, PLE 0.14. Lateral eyes on tubercle. Chelicerae with subapical hyaline keel and inconspicuous stridulatory ridges. Labium 0.22 long, 0.30 wide. Sternum 1.30 long, 0.90 wide. Leg measurements: I: femur 5.80/ patella 0.60/ tibia 6.40/ metatarsus 8.40/ tarsus 0.90/ total 22.10; II: 4.40/ 0.60/ 4.50/ 4.40/ 0.80/ 14.70; III: 2.90/ 0.60/ 2.60/ 3.10/ 0.70/ 9.90; IV: 4.10/ 0.60/ 4.10/ 4.50/ 0.80/ 14.10. Palpal femur with stridulatory pick long, slender, on rounded, slightly projected socket. Cymbium with pair of strong distal spines (Fig. 49-50). Bulb 0.52 long, medially constricted with distal basal lamellae (Fig. 15-16). Abdomen 2.40 long, 1.80 wide, covered with slender hairs.

Female (CNAM, Chamela, Jalisco, Mexico). Coloration as in male. Total length 6.10. Carapace domed, 2.80 long, 2.70 wide. Eye diameters: PME 0.14, ALE 0.14, PLE 0.12. Lateral eyes on tubercle. Chelicerae as in male. Labium 0.30 long, 0.32 wide. Sternum 1.58 long, 1.10 wide. Leg measurements: I: femur 4.20/ patella 0.70/ tibia 4.50/ metatarsus 5.60/ tarsus 0.80/ total 15.80; II: 3.20/ 0.70/ 3.30/ 3.90/ 0.70/ 11.80; III: 2.20/ 0.70/ 2.00/ 2.50/ 0.60/ 8.00; IV: 3.20/ 0.70/ 3.10/ 3.20/ 0.80/ 11.00. Palpal femur as in male. Epyginum with positioning ridges separated from each other by five times their width and triangular epigynal pouch (Fig. 51). Vulva with pair of large rounded spermathecae and fused hyaline pockets with slightly conspicuous sclerotized lateral area (Fig. 52). Abdomen 3.30 long, 3.10 wide, as in male.

VARIATION: Fifteen males: total length: 3.80-5.10; carapace: 2.10-2.5; femur I: 4.80-6.30. Seven females: total length: 5.20-6.10; carapace: 2.30-2.80; femur I: 3.30-4.20.

DISTRIBUTION: Mexico, states of Jalisco and Tamaulipas.

ADDITIONAL MATERIAL EXAMINED: MEXICO. Jalisco: Chamela, Estación Biológica Chamela (19°29'N; 105°02'W, 285m), 1f, 20-25.X.2001, C. Durán-Barrón, E.G. Santillán, L.O Pérez, R.P. León & J.C. Calvillo coll. (CNAM), 1f, 20-25.X.2001, C. Durán-Barrón, E.G. Santillán, L.O Pérez, R.P. León & J.C. Calvillo coll. (CNAM), 1f, 20-25.X.2001, C. Durán-Barrón, E.G. Santillán, L.O Pérez, R.P. León & J.C. Calvillo coll.

(CNAM), 3m1f, 20-25.X.2001, C. Durán-Barrón, E.G. Santillán, L.O Pérez, R.P. León & J.C. Calvillo coll. (CNAM), Estación Biológica Chamela (100m), 2m, IX.1988, W. Eberhard coll. (MCZ 54578), 2m, IX.1988, W. Eberhard coll. (IBSP 46756), 6m 1juv., IX.1989, W. Eberhard coll. (MCZ 54577). Tamaulipas: N. Mante, 7.VIII.1942 (AMNH).

Scytodes mayahuel sp. n.

Figs. 17-18, 53-57

TYPES: Male holotype and female paratype from Nizanda, Rio Vegetalicio, Oaxaca, México, 19.VIII.2002, R. Paredes coll., deposited in CNAM. Paratypes: 1f, Santiago Astata (15°58'N; 95°38'W), Marsh coll. (CNAM); 2f, 4 km SW Pueblo Barra de La Cruz, "Campamento Tortugero", (15°49'N; 95°57'W), 18.IX.2000, E. Gonzales-S., O Délgado, J. Castelo, E. Lira, J. Lira & C. Duran-Barrón coll. (IBSP 46764); 1f, 2 miles SE Niltepec (16°32'N; 94°33'W), 16.VIII.1966, J. & W. Ivie coll. (AMNH).

ETYMOLOGY The specific name is a noun in apposition taken from Aztec mythology. Mayahuel is believed to be the goddess of the *maguey* plant.

DIAGNOSIS: The males of *Scytodes mayahuel* sp. n. resemble those of *S. alayoi* Alayón (Fig. 13) and *S. alcomitzi* sp. n. (Fig. 16) in the concave distal apex lined with small pointed tubercles on the palp (Figs. 17-18). They differ by the large prolateral hyaline membrane (Fig. 54) and the tubular retrolateral projection on the apex of the palp (Figs. 55). The females are distinguished by the widely separated straight positioning ridges (Fig. 56) and by the spermathecae on very long stalks (Fig. 57).

DESCRIPTION:

Male (CNAM – Nizanda, Oaxaca, Mexico). Carapace pale yellow with black pattern. Chelicerae cream colored with very faint dorsal longitudinal black stripe. Pedipalps cream colored with prolateral scattered black stains. Labium and endites cream colored. Sternum cream colored with very small black stains in front of coxae I-III. Legs cream colored. Femora with ventral pair of longitudinal black stripes, Tibia with few ventral scattered black spots and black distal ends. Abdomen pale yellow with black pattern (Fig. 53). Total length 4.70. Carapace slightly domed, 2.40 long, 2.00 wide. Eye diameters: PME 0.12, ALE 0.14, PLE 0.14. Lateral eyes on tubercle. Chelicerae with subapical hyaline keel and inconspicuous stridulatory ridges. Labium 0.28 long, 0.30 wide. Sternum 1.32 long, 1.00 wide, covered with few very strong spines. Leg measurements: I: femur 4.40/ patella 0.70/ tibia 4.90/ metatarsus 6.50/ tarsus 0.70/ total 17.20; II: 3.20/ 0.70/ 3.20/ 4.30/ 0.60/ 12.00; III: 2.30/ 0.70/ 2.10/ 2.50/ 0.50/ 8.10; IV: 3.50/ 0.70/ 3.40/ 3.50/ 0.70/ 18.10. Palpal femur with stridulatory pick long, strong, on rounded, projected socket. Cymbium with pair of strong distal spines (Fig. 54). Bulb 0.84 long, medially constricted (Fig. 55) with distal concave area retrolaterally lined by few pointed tubercles (Fig. 18). Abdomen 2.40 long, 2.00 wide, covered with slender hairs.

Female (Santiago Astata, Mexico). Coloration as in male but darker. Total length 4.70. Carapace domed, 2.40 long, 2.00 wide. Eye diameters: PME 0.12, ALE 0.12, PLE 0.12. Lateral eyes on tubercle. Chelicerae with subapical hyaline keel and inconspicuous stridulatory ridges. Labium 0.18 long, 0.30 wide. Sternum 1.18 long, 0.90 wide. Leg measurements: I: femur 2.10/ patella 0.50/ tibia 2.40/ metatarsus 2.70/ tarsus 0.70/ total 8.40; II: 1.70/ 0.50/ 1.70/ 2.00/ 0.50/ 6.40; III: 1.30/ 0.50/ 1.10/ 1.40/ 0.50/ 4.80; IV: 1.80/ 0.50/ 1.90/ 1.80/ 0.60/ 6.60. Palpal femur with stridulatory pick long, thick, on rounded, projected socket. Epigynum with positioning ridges separated from each other by more than ten times their width (Fig. 56). Vulva with pair of rounded spermathecae on very long, curved stalks and large hyaline pockets with small lateral sclerotized area (Fig. 57). Abdomen 2.30 long, 1.90 wide, covered with slender hairs.

VARIATION: Eleven females: total length: 3.80-5.10; carapace: 2.10-3.10; femur I: 1.90-3.30.

DISTRIBUTION: Mexico, states of Chiapas, Oaxaca and Veracruz.

ADDITIONAL MATERIAL EXAMINED MEXICO. *Chiapas*: Las Cruces, 1f 1juv., 15.IX.1947, H. Wagner coll. (AMNH); N Arriaga mountains, 1f 2juvs., 2.IX.1947, H. Wagner coll. (AMNH), Arriaga, N Arriaga mountains, 1f 2juvs., 2.IX.1947, H. Wagner coll. (AMNH); *Oaxaca*: 12 miles W Tehuantepec (16°20'N; 95°20'W), 1f 2juvs., 29.IV.1963, W.J. Gertsch & W. Ivie coll. (AMNH); 4km N Zimatan, "El Choro", Tehuantepec, 1f, 18.IX.2000, E. Gonzales-S., O Délgado, J. Castelo, E. Lira, J. Lira & C. Durán coll. (CNAM); 4km SW Pueblo Barra de La Cruz, "Campamento Tortugero", (15°49'N; 95°57'W), 1f 1juv., 18.IX.2000, E. Gonzales-S., O Délgado, J. Castelo, E. Lira, J. Lira & C. Durán coll. (CNAM); *Veracruz*: La Buena Ventura, 1f 1juv. (AMNH).

Scytodes itzana Chamberlin & Ivie, 1938

Figs. 19, 58-63

* *Scytodes itzana* Chamberlin & Ivie, 1938: 128, fig. 6 (juvenile holotype from Xyloc Cenote Cave, Chichén Itzá, Yucatán, México, deposited in AMNH, examined). Bonnet, 1958: 3984; Platnick, 2006.

NOTE: The adult specimens of *Scytodes itzana* Chamberlin & Ivie, redescribed in this paper, were determined by comparison of the juvenile holotype with juvenile specimens from the same vial as the adults.

DIAGNOSIS: The males of *Scytodes itzana* Chamberlin & Ivie are distinguished from the remaining *Scytodes* by the retrolateral sickle-shaped projection adjacent to a wide and horizontal hyaline membrane that settles in the middle of the concave apex of the palpal bulb (Fig. 19, 61). The females are distinguished by the small, widely separated positioning ridges (Fig. 62) and internally, by the oblique hyaline pockets with a very slender sclerotized lateral area (Fig. 63).

DESCRIPTION:

Male (MCZ 54582 – Queretaro, close to Xilitla). Carapace orange with brown pattern. Chelicerae yellow

with dorsal longitudinal brown stripe. Labium pale orange. Endites pale yellow. Sternum pale yellow with orange margins and black stains in front of each coxae, extending towards center. Legs and pedipalps yellow. Femora I-IV with ventral pair of longitudinal black stripes and prolateral interrupted longitudinal black stripe. Tibiae and metatarsi I, II and IV distally black. Tibiae I-IV with dorsal longitudinal black stripe. Abdomen pale yellow with dark brown pattern (Fig. 58). Total length 3.90. Carapace slightly domed, 2.10 long, 1.80 wide. Eye diameters: PME 0.12, ALE 0.14, PLE 0.14. Lateral eyes on tubercle. Chelicerae with subapical hyaline keel, inconspicuous stridulatory ridges and dorsal projections close to fangs. Labium 0.12 long, 0.28 wide. Sternum 1.08 long, 0.90 wide. Leg measurements: I: femur 4.30/ patella 0.60/ tibia 4.80/ metatarsus 6.30/ tarsus 0.90/ total 16.90; II: 3.30/ 0.60/ 3.30/ 4.10/ 0.80/ 12.10; III: 2.00/ 0.60/ 1.80/ 2.20/ 0.60/ 7.20; IV: 3.10/ 0.60/ 3.00/ 3.30/ 0.80/ 10.80. Palpal femur with stridulatory pick long, slender, on rounded, slightly projected socket. Cymbium with one strong distal spine (Fig. 59). Bulb 0.64 long, medially constricted (Figs. 59-60). Abdomen 1.80 long, 1.60 wide, covered with slender hairs.

Female (MCZ 54579 – Hidalgo, El Locote). Coloration as in male. Total length 5.30. Carapace domed, 2.40 long, 2.10 wide. Eye diameters: PME 0.12, ALE 0.12, PLE 0.12. Lateral eyes on tubercle. Chelicerae as in male. Labium 0.16 long, 0.28 wide. Sternum 1.18 long, 0.96 wide. Leg measurements: I: femur 2.80/ patella 0.50/ tibia 3.10/ metatarsus 3.90/ tarsus 0.80/ total 11.10; II: 2.20/ 0.50/ 2.20/ 2.80/ 0.60/ 8.30; III: 1.60/ 0.50/ 1.30/ 1.70/ 0.50/ 5.60; IV: 2.40/ 0.50/ 2.10/ 2.40/ 0.60/ 8.00. Palpal femur as in male. Epigynum with narrow epigynal pouch and positioning ridges separated from each other by over 20 times their width (Fig. 62). Internally with large, rounded spermathecae on long and straight stalks (Fig. 63). Abdomen 2.80 long, 2.60 wide, as in male.

VARIATION: Four males: total length: 3.80-4.10; carapace: 2.00-2.20; femur I: 4.00-4.70. Fifteen females: total length: 4.40-5.50; carapace: 2.30-2.80; femur I: 2.20-4.10.

DISTRIBUTION: Mexico, states of Chiapas, Hidalgo, Oaxaca, Puebla, Queretaro, San Luis Potosí, Veracruz and Yucatán.

ADDITIONAL MATERIAL EXAMINED: MEXICO. *Chiapas*: between Comitan and Ocotal, near Rio San Gregorio, Km 1327, 1m 1f, 18.VII.1950, C. & M. Goodnight coll. (AMNH), 5 miles N.E. Chiapa (16°45'N; 92°58'W), 1f, 26.VIII.1966, J. & W. Ivie coll. (AMNH), Palenque, Palenque ruins, 1f, 14.VII.1949, C. Goodnight coll. (AMNH), 1f, 16.VII.1949, C. Goodnight coll. (AMNH), 1f, VII.1948, C. Goodnight coll. (AMNH), 4 miles S.E. San Cristobal (16°42'N; 92°36'W), 1f, 23.VIII.1966, J. & W. Ivie coll. (AMNH), 1f, 23.VIII.1966, J. & W. Ivie coll. (AMNH), 5 miles W. San Cristobal (16°45'N; 92°41'W), 3f 1juv., 24.VIII.1966, J. & W. Ivie coll. (AMNH), Tuxtla Gutierrez, 1f, 9.IX.1947, H. Wagner coll. (AMNH), Tuxtla Gutierrez (16°45'N; 93°09'W), 1f, 27.VIII.1966, J. & W. Ivie coll. (AMNH), 6 miles S.

Tuxtla Gutierrez (16°42'N; 93°07'W), 1f 1juv., 21.VIII.1966, J. & W. Ivie coll. (AMNH); Hidalgo: 3 miles N. Chapulhuacan (21°11'N; 98°54'W), 1m, 20.IV.1963, W.J. Gertsch & W. Ivie coll. (AMNH), El Locote, 13.6 miles N.E. La Mission (21°05'N; 99°01'W), 1f, VI.1983, W. Maddison coll. (MCZ 54579); Oaxaca: 23 km S.W. Valle Nacional (17°N; 96°W), 1f, 25.VI.1983, W. Maddison & R.S. Anderson coll. (MCZ 54581); Puebla: Huauchinango, 1f 1juv., 7.X.1947, H. Wagner coll. (AMNH); Queretaro: 35 km W. Xilitla, 11 km W. San Luis Potosi border (21°15'N; 99°10'W; 5500ft), 1m, 12.VI.1983, W. Maddison coll. (MCZ 54582). San Luis Potosi: Ixilta (probably Xilitla), 1f, 2.XII.1939, A.M. & L.I. Davis coll. (AMNH). Veracruz: 1m, N. Banks coll. (MCZ 55691), 4 miles N.E. Acayucan (17°58'N; 94°50'W), 1f 1juv., 27.IV.1963, W.J. Gertsch & W. Ivie coll. (AMNH), La Buena Ventura, 1f (AMNH), Los Tuxtlas, 1f, 19.III.1998, E. González-Santillán coll. (CNAM), 1f, 19.III.1998, E. González-Santillán coll. (CNAM); Yucatán: Chichén Itzá, Dry Cenote, 1f, 10.VII.1948, C. & M. Goodnight coll. (AMNH),

***Scytodes redempta* Chamberlin 1924**

Figs. 64-68

* *Scytodes redempta* Chamberlin, 1924: 592 (juvenile holotype from Isla Partida, Baja California Sur, Mexico, deposited in CAS; juvenile paratype with the same data as holotype, deposited in MCZ 1248, examined); Bonnet, 1958: 3989; Platnick, 2006.

NOTE: The adult specimens of *Scytodes redempta* Chamberlin, redescribed in this paper, were determined by comparison of the juvenile holotype with juvenile specimens found together with adults.

DIAGNOSIS: The males of *Scytodes redempta* Chamberlin resemble those of *S. fusca* Walckenaer (Valerio, 1981: 82, fig. 1) by the stiliform distal area of the male palpal bulb, but differ by the very curved and smoothly narrowed apex (Fig. 65), abruptly narrowed and bent in *S. fusca* (Brescovit & Rheims, 2000: 321, fig. 6). The females are distinguished from those of *S. fusca* by the wide oblique positioning ridges (Fig. 67) and by the vulva with two spermathecae on each side (Fig. 68).

DESCRIPTION:

Male (CAS - Sinaloa). Carapace dark orange with dark brown pattern. Chelicerae orange with large dorsal anterior brown stain. Pedipalps and legs, orange with faint brown transversal bands. Labium pale grey. Endites orange, retrolaterally brown. Sternum yellow with orange margins and brown triangular stains in front of each coxae. Abdomen brownish-yellow with black stripes (Fig. 64). Total length 5.80. Carapace slightly domed, 2.90 long, 2.40 wide. Eye diameters: PME 0.16, ALE 0.16, PLE 0.16. Lateral eyes on tubercle. Chelicerae with subapical hyaline keel and inconspicuous stridulatory ridges. Labium 2.90 long, 2.40 wide. Sternum 1.80 long, 1.02 wide. Leg measurements: I: femur 4.90/ patella 0.80/ tibia 4.90/ metatarsus 5.60/ tarsus 1.00/ total 17.20; II: 4.20/ 0.80/ 4.10/ 4.60/ 0.80/ 14.50; III: 2.90/ 0.80/ 2.40/ 2.90/ 0.70/ 9.70; IV: 4.10/ 0.80/ 4.10/ 4.30/ 0.90/ 14.20. Palpal femur with stridulatory pick short, on

triangular, very projected socket. Cymbium with pair of strong distal spines (Fig. 66). Bulb 0.74 long, distally narrowed, smoothly curved at tip (Fig. 65-66). Abdomen 2.90 long, 2.00 wide, covered with slender hairs.

Female (CAS - Baja California, San Ignacio). Coloration as in male. Total length 6.10. Carapace domed, 2.90 long, 2.30 wide. Eye diameters: PME 0.12, ALE 0.12, PLE 0.12. Lateral eyes on tubercle. Chelicerae as in male. Labium 0.28 long, 0.32 wide. Sternum 1.66 long, 1.12 wide. Leg measurements: I: femur 3.10/ patella 0.60/ tibia 3.00/ metatarsus 3.50/ tarsus 0.90/ total 11.10; II: 2.50/ 0.60/ 2.30/ 2.80/ 0.80/ 9.00; III: 2.20/ 0.60/ 1.70/ 2.00/ 0.60/ 7.10; IV: 3.10/ 0.60/ 2.70/ 2.70/ 0.70/ 9.80. Palpal femur as in male. Epigynum with positioning ridges separated from each other by their width (Fig. 67). Internally with pair of spermathecae on each side, anteriors larger, with thicker stalks (Fig. 68). Abdomen 3.20 long, 2.70 wide, as in male.

VARIATION: Fifteen males. Total length: 3.80-6.20; carapace: 1.90-3.00; femur I: 2.80-5.00; Fifteen females Total length: 4.20-7.00; carapace: 2.30-3.60; femur I: 2.40-4.00.

DISTRIBUTION: Mexico, states of Baja California, Baja California Sur, Chiapas, Jalisco, Michoacan, Nayarit, Sinaloa and Sonora.

ADDITIONAL MATERIAL EXAMINED MEXICO. *Mar de Cortéz*: Isla Angel de la Guarda, 1f, 3.V.1921, J.C. Chamberlin coll. (MCZ 54587), Isla Pelicano, 1f, 30.IV.1944, B. Osorio coll. (AMNH), 1f 1juv., 5.VII.1921, J.C. Chamberlin coll. (MCZ 54584), Isla Socorro, 1f, 3.III.1925, H.H. Keifer coll. (CAS). *Baja California*: 11 miles N. Agua de Refugio Rancho (28°N; 114°W), 1f, 25.II.1966, V. Roth coll. (AMNH), El Rosario, 2f, 5.V.1961, W.J. Gertsch & J. Woods coll. (AMNH), 1f, 10.I.1965, V. Roth coll. (AMNH), 10 miles E. El Rosario, 1f, 5.V.1961, W.J. Gertsch & V. Roth coll. (AMNH), 22 miles E. El Rosario, on Aguajita Grade (1750ft), 1f, 11.I.1965, V. Roth coll. (AMNH), 4.3 miles S.W. El Rosario, on dirt road towards Punta Baja, 1f, 30.XI.1962, P.R. Craig & D.L. Dailey coll. (CAS), Granite Island, 1f, 2.V.1921, J.C. Chamberlin coll. (MCZ 54590), Isla de Cedros, Trail from El Pueblo to Cerro de Cedros, 1f, 28.IX.1984, D.B. Weissman & V.F. Lee coll. (CAS), Isla Llave (29°00'N; 113°31'W), 1f, 10.III-10.V.1999, R. Aalbu coll. (CAS), Isla San Esteban, 1f, 1.IV.1953, B. Firstman coll. (AMNH), Isla San Jose, 1f, 25.III.1953, B. Firstman coll. (AMNH), Isla San Marcos, 1f 4juvs., 31.III.1953, B. Firstman coll. (AMNH), Isla Tiburon, 1f, 5.VII.1921, J.C. Chamberlin coll. (MCZ 54589), 12 miles S.E. Maneandro, 1f, 19.IV.1965, D.Q. Cavagnaro, V.L. Vesterby C.E. & E.S. Ross coll. (CAS), 34 miles N.N.W. Manuela (500 ft.) 1m 1f 1juv., 22.VI.1968, S.C. Williams, M.A. Cazier, M.M. Bertzien, W.K. Fox & J. Bigelow coll. (AMNH), 3 miles N. Punta Prieta (29°N; 114°W), 1m 1juv., 25.II.1966, V. Roth coll. (AMNH), San Telmo de Arriba, 1f 3juvs., 3.V.1961, W.J. Gerstch & V. Roth

coll. (AMNH), 3.8 km S. Santa Maria Sky Ranch on HW1, 1f 4juvs., 25.XI.1962, P.R. Craig & D.L. Dailey coll. (CAS), 2f 1juv., 25.XI.1962, P.R. Craig & D.L. Dailey coll. (CAS), Zona del Berrerda, El Vircaho, 1f, 19.IX.1930 (CNAM), San Jose, 1f 2juvs., 25.III.1953, B. Firstman coll. (AMNH); *Baja California Sur*: E. La Paz, 1f 1juv., 8.IX.1963, W. Hill, B. Illanes, P.R. & D.L. Craig coll. (CAS), 9.7 km W. Guerrero Negro, 1f, 29.XII.1978, D. Weissman, R. Love, V. Lee & C. Mullinex coll. (CAS), Isla Catalán (Santa Catalina), 1f, 3-4.IV.1974, J.T. Doyen coll. (CAS), La Paz, 1f, 9.IX.1963, P.R. Craig coll. (CAS), Mulege, 1f 1juv., 26.I.1965, V. Roth coll. (AMNH), Punta Trinidad, 1f, 20-21.III.1971, V. Roth coll. (CAS), San Ignacio, 1f, 25.VI.1968, S.C. Williams & M.M. Bertzien coll. (CAS), 5 miles N. San Ignacio, 1f, 20.I.1965, V. Roth coll. (AMNH), Santa Rosalia, 1f, 19.II.1966, V. Roth coll. (AMNH), 22 miles N. Santo Domingo, 1f, 15.II.1966, V. Roth coll. (AMNH); *Chiapas*: 16 miles W. Cintalpa, on route 190 (800m), 1f, 15.VI.1982, F. Coyle coll. (MCZ 54575); *Jalisco*: 14 miles S.W. Acatlan, 1f, 29.VIII.1965, W.J. Gertsch & R. Hastings coll. (AMNH), Ajijic, 2m, 29-30.V.1982, F. Coyle coll. (MCZ 54576), 1m, 29.V.1982, F. Coyle coll. (MCZ 54573), 2f, 29-30.V.1982, F. Coyle coll. (MCZ 54574), Chapala, 3f 1juv., 13.IX.1976, Griswold & Jackson coll. (CAS), La Venta, 1f, 28.VII.1964, W.J. Gertsch & J. Woods (AMNH), Plan de Barrancas, 1f, 4.VIII.1956, W.J. Gertsch & V. Roth coll. (AMNH), Lake Sayula (19°59'N; 103°33'W; 1290m), 1f 1juv., 31.V.1998 (CNAM), West side of Lake Sayula, 2f, 3.VIII.1956, W.J. Gertsch & W. Ivie coll. (AMNH), 4f, 30.VII.1964, W.J. Gertsch & J. Woods coll. (AMNH); *Michoacan*: Jiquilpan (19°59'N; 102°91'W), 22m 17f 5juvs., 9.V.1963, W.J. Gertsch & W. Ivie coll. (AMNH), 2m, 9.V.1963, W.J. Gertsch & W. Ivie coll. (AMNH), 22m 22f 3juvs., 9.V.1963, W.J. Gertsch & W. Ivie coll. (AMNH); *Nayarit*: Acaponeta, 1m, 17-19.XI.1939, C.M. Bogert & H.E. Vokes coll. (AMNH), Compostela, 1f, 26.VII.1954, W.J. Gertsch coll. (AMNH), E. Ixtlan del Rio, 2f, 17.VIII.1960, P.H. Arnaud Jr., E.S. Ross & D.C. Rentz coll. (CAS), 1f, 17.VIII.1960, P.H. Arnaud Jr., E.S. Ross & D.C. Rentz coll. (CAS), Ixtlan del Rio, 1m 1f, 22.VI.1941, L.I. Davis coll. (AMNH), 3 km S.E. Ixtlan del Rio (1280m), 1f, 20.VIII.1976, E.S. Ross coll. (CAS), Jalisco, 1f, 1954, B. & V. Keef coll. (AMNH), San Blas, 1m 2f, 6.VIII.1947, B. Malkin, C. & M. Goodnight coll. (AMNH), Tepic, 1f, 2-7.VIII.1947, B. Malkin, C. & M. Goodnight coll. (AMNH), 20 miles S. Tepic, 1f, 4.VIII.1956, W.J. Gertsch & V. Roth coll. (AMNH), 25 km S. Tepic, 1f, 24.IX.1953, B. Malkin coll. (AMNH), 27 miles S. Tepic, 1f, 27.VII.1964, W.J. Gertsch & W. Ivie coll. (AMNH), 35 miles S. Tepic, 1f, 28.VII.1954, W.J. Gertsch coll. (AMNH), 9 miles S. Tepic, 7f, 28.VII.1964, W.J. Gertsch & J. Woods coll. (AMNH); *Sinaloa*: 6 miles S. Culiacan, 1m 1f, 22.VII.1954, W.J. Gertsch coll. (AMNH), 3 miles E. Escuinapa, 1m 5juvs., 1.VIII.1964, W.J. Gertsch & J. Woods coll. (AMNH), 25 miles E. Los Mochis, 1m, 13.III.1960, P.H. Arnaud Jr., E.S. Ross & D.C. Rentz

coll. (CAS), 35 miles S. Mazatlan, 1m, 24.VII.1954, W.J. Gertsch coll. (AMNH), 5 miles E. Villa Union, 1f, 26.VII.1964, W.J. Gertsch & J. Woods coll. (AMNH); *Sonora*: Alamos, 1m, 1942, C.M. Bogert coll. (AMNH), 23 miles W. Caborca, 1f, 22.III.1980, C.E. Griswold coll. (CAS), Estero de Sargente, 25 km S. Desenboque, 1f, 11.VIII.1953, B. Malkin coll. (AMNH), Guaymas, 1f, 9.IV.1921, E.P. van Dizel coll. (MCZ 54592), 1f, 9.IV.1921, E.P. van Dizel coll. (CAS), 20 miles N. Hermosillo, 2f, 13.IX.1966, J. & W. Ivie coll. (AMNH), Puerto Kino, 1f 1juv., XII.1963, W. Eberhard coll. (MCZ 54602), 2 miles S. San Miguel de Horcasitas, 1f, 4.X.1966, V. Roth coll. (AMNH), Tiburon Island, 1m (AMNH).

Scytodes tlaloc sp. n.

Figs. 69-72

TYPES: Male holotype from 1 km N.W. Pueblo Barra de La Cruz, Oaxaca, Mexico, 17.IX.2000, E. Lira, O Delgado, J. Castelo & C. Durán coll., deposited in CNAM. Paratype: 1m, with the same data as holotype (IBSP 46757).

ETYMOLOGY: The specific name is a noun in apposition taken from Aztec mythology. Tlaloc is believed to be the god of fire and rain who receives in his kingdom those killed by thunderbolts, water, leprosy and contagious diseases.

DIAGNOSIS: The males of *Scytodes tlaloc* sp. n. are distinguished from the remaining *Scytodes* by the presence of three distal projections, the lateral ones small and pointed and the median one long and slightly curved (Figs. 70-72).

DESCRIPTION:

Male (CNAM - Barra de La Cruz, Oaxaca, Mexico). Carapace light orange with black pattern. Chelicerae orange with very faint dorsal longitudinal brown stripe. Pedipalps pale yellow with small prolateral black stains. Labium and endites orange. Sternum yellow with orange margins. Legs yellow. Femora I-IV with pair of ventral longitudinal interrupted black stripes. Tibiae and metatarsi I-IV distally black. Abdomen gray with three posterior transverse black stripes and anterior lateral scattered black spots (Fig. 69). Total length 4.70. Carapace slightly domed, 2.20 long, 1.90 wide. Eye diameters: PME 0.12, ALE 0.12, PLE 0.12. Lateral eyes on tubercle. Chelicerae with medial dorsal triangular projection, subapical hyaline keel and inconspicuous stridulatory ridges. Labium 0.36 long, 0.40 wide. Sternum 1.30 long, 0.92 wide, covered by numerous very thick spines. Leg measurements: I: femur 6.00/ patella 0.70/ tibia 6.20/ metatarsus 7.90/ tarsus 0.80/ total 21.60; II: 4.30/ 0.70/ 4.30/ 5.10/ 0.60/ 15.00; III: 3.00/ 0.70/ 2.80/ 2.70/ 0.50/ 9.70; IV: 4.10/ 0.70/ 4.50/ 3.90/ 0.70/ 13.90. Palpal femur with stridulatory pick long, thick, on rounded, projected socket. Cymbium with pair of strong distal spines (Fig. 71). Bulb 0.74 long, medially constricted (Figs. 70-71). Abdomen 2.50 long, 1.80 wide, covered with slender hairs.

Female. Unknown.

VARIATION: Two males: total length: 4.70-4.90; femur I: 5.70-6.00.

DISTRIBUTION: Only known from the type locality, in Oaxaca.

ADDITIONAL MATERIAL EXAMINED: None.

Scytodes chantico sp. n.

Figs. 73-75

TYPES: Male holotype from Baja California, Mexico, deposited in AMNH.

ETYMOLOGY: The specific name is a noun in apposition taken from Aztec mythology. Chantico is believed to be the Aztec god of hearth fires and volcanic fires.

DIAGNOSIS: The males of *Scytodes chantico* sp. n. resemble those of *S. noeli* Alayón (1977: 5, fig. 3) and *S. cubensis* Alayón (1977: 2, fig 1c) in the filiform distal area of the male palp. They are distinguished by the presence of a median dorsal hyaline keel (Figs. 74-75).

DESCRIPTION:

Male (AMNH – Baja California, Mexico). Carapace orange, slightly lighter at center, with dark brown pattern. Chelicerae pale orange with anterior dorsal brown stain. Labium orange. Endites pale orange, retrolaterally black at base. Sternum pale yellow with orange margins, small brown stains in front of each coxae, one large brown stain at center. Legs and pedipalps pale orange with transverse brown bands, except on tarsi. Abdomen yellowish with black pattern (Fig. 73). Total length 3.20. Carapace slightly domed, 1.90 long, 1.50 wide. Eye diameters: PME 0.10, ALE 0.12, PLE 0.10. Lateral eyes on tubercle. Chelicerae with subapical hyaline keel and six slightly conspicuous stridulatory ridges. Labium 0.28 long, 0.26 wide. Sternum 1.12 long, 0.76 wide. Leg measurements: I: femur 1.80/ patella 0.40/ tibia 1.70/ metatarsus 1.90/ tarsus 0.70/ total 6.50; II: 1.50/ 0.40/ 1.40/ 1.40/ 0.60/ 5.30; III: 1.20/ 0.40/ 0.90/ 1.20/ 0.50/ 4.00; IV: 1.70/ 0.40/ 1.50/ 1.50/ 0.60/ 5.70. Palpal femur with stridulatory pick short, stout, on rounded, projected socket. Epigynum with cylindrical pockets separated from each other by twice their length, from epigynal pouch by their width (Fig. 77). Vulva with rounded spermathecae on very long, curved stalk (Fig. 78). Abdomen 2.00 long, 1.80 wide, covered with slender hairs.

FEMALE: Unknown.

DISTRIBUTION: Only known from the type locality, in Baja California.

ADDITIONAL MATERIAL EXAMINED: None.

Scytodes tzitzimime sp. n.

Figs. 76-78

TYPES: Female holotype from 5 miles N.E. Chiapa (16°45'N; 92°58'W), Chiapas, Mexico, 26.VIII.1966, J. & W. Ivie coll. deposited in AMNH. Paratypes: 1f, 5 miles NW Chiapa (17°45' N; 92°58'W), Chiapas, Mexico, 22.VIII.1966, J. & W. Ivie coll. (AMNH), 1f, Tuxtla Gutierrez, Chiapas, Mexico (1750 ft.), 27.VIII.1977, T.C. Meilke & C.E. Griswold coll. (CAS).

ETYMOLOGY: The specific name is a noun in apposition taken from Aztec mythology. Tzitzimime is believed to

be an Aztec stellar god.

DIAGNOSIS: The females of *Scytodes tzitzimime* sp. n. are easily distinguished from the remaining *Scytodes* by the cylindrical pockets replacing the positioning ridges (Fig. 77).

DESCRIPTION:

Male. Unknown.

Female (AMNH – Chiapa, Chiapas, Mexico). Carapace brown, slightly lighter at center, with dark brown median longitudinal brown stripe, yellow lateral stains. Chelicerae orange with large brown dorsal stain. Pedipalps brown. Distally orange. Labium and endites light brown. Sternum light brown with orange margins. Legs: femora brown, rest of leg orange. Abdomen dark gray (Fig. 76). Total length 3.90. Carapace domed, 1.90 long, 1.40 wide. Eye diameters: PME 0.10, ALE 0.12, PLE 0.12. Lateral eyes on tubercle. Chelicerae with subapical hyaline keel and six slightly conspicuous stridulatory ridges. Labium 0.28 long, 0.26 wide. Sternum 1.12 long, 0.76 wide. Leg measurements: I: femur 1.80/ patella 0.40/ tibia 1.70/ metatarsus 1.90/ tarsus 0.70/ total 6.50; II: 1.50/ 0.40/ 1.40/ 1.40/ 0.60/ 5.30; III: 1.20/ 0.40/ 0.90/ 1.20/ 0.50/ 4.00; IV: 1.70/ 0.40/ 1.50/ 1.50/ 0.60/ 5.70. Palpal femur with stridulatory pick short, stout, on rounded, projected socket. Epigynum with cylindrical pockets separated from each other by twice their length, from epigynal pouch by their width (Fig. 77). Vulva with rounded spermathecae on very long, curved stalk (Fig. 78). Abdomen 2.00 long, 1.80 wide, covered with slender hairs.

VARIATION: Three females: total length: 3.70-4.80; carapace: 1.80-2.40; femur I: 1.80-2.50.

DISTRIBUTION: Mexico, state of Chiapas.

ADDITIONAL MATERIAL EXAMINED: None.

Scytodes opoxtli sp. n.

Figs. 79-80

TYPES: Female holotype from El Salto, 2km N. Durango, Hidalgo, Mexico, 21.III.1981, J. Reddell coll., deposited in AMNH.

ETYMOLOGY: The specific name is a noun in apposition taken from Aztec mythology. Opoxtli is believed to be one of the four gods who created the world. He is also a Chichimec tribal god.

DIAGNOSIS: The female of *Scytodes opoxtli* sp. n. is easily distinguished from the remaining *Scytodes* by the large, convex plate with strongly sclerotized border below the epigynal pouch (Fig. 79).

DESCRIPTION:

Male. Unknown.

Female (AMNH – El Salto, Hidalgo, Mexico). Carapace yellow with very dark brown pattern. Chelicerae orange with dorsal anterior trident-shaped dark brown stain. Labium brown. Endites pale yellow, prolaterally brown. Sternum orange with reddish margins and brown stains in front of each coxae, extending towards center. Legs and pedipalps with femora, tibiae and patellae dark

brown with faint dark orange transversal bands. Leg metatarsi and tarsi uniformly orange. Abdomen dark gray with yellowish pattern. Total length 6.10. Carapace very domed, 3.10 long, 2.50 wide. Eye diameters: PME 0.14, ALE 0.14, PLE 0.14. Lateral eyes on tubercle. Chelicerae with subapical hyaline keel and inconspicuous stridulatory ridges. Labium 0.46 long, 0.62 wide. Sternum 1.56 long, 1.24 wide. Leg measurements: I: femur 4.90/ patella 0.70/ tibia 4.90/ metatarsus 6.00/ tarsus 1.10/ total 17.60; II: 3.90/ 0.70/ 3.70/ 4.50/ 1.00/ 13.80; III: 2.70/ 0.70/ 2.70/ 3.20/ 0.90/ 10.20; IV: 3.80/ 0.70/ 3.70/ 4.00/ 1.10/ 13.30. Palpal femur with stridulatory pick short, stout, on very projected socket. Epigynum with large epigynal pouch and inconspicuous positioning ridges (Fig. 79). Vulva with rounded spermathecae on short, slender stalks on sclerotized lateral area (Fig. 80). Abdomen 3.00 long, 3.00 wide, covered with slender hairs.

DISTRIBUTION: Only known from the type locality, in Hidalgo.

ADDITIONAL MATERIAL EXAMINED: None.

Scytodes atlantonin sp. n.

Figs. 81-82

TYPES Female holotype from Piaxtla (23°50'N; 106°40'W), Sinaloa, Mexico, 16.V.1963, W.J. Gertsch & W. Ivie coll., deposited in AMNH. Paratypes: 2f, 2 miles N. Piaxtla, Sinaloa, Mexico, 2.VIII.1964, W.J. Gertsch & W. Ivie coll. (AMNH, IBSP 46778).

ETYMOLOGY: The specific name is a noun in apposition taken from Aztec mythology. Atlantonin is one of the names given to Aztec mother-goddess.

DIAGNOSIS: The females of *Scytodes atlantonin* sp. n. are distinguished from the remaining *Scytodes* by the very large and fused positioning ridges (Fig. 81).

DESCRIPTION:

Male. Unknown.

Female (AMNH – near Piaxtla, Sinaloa, Mexico). Carapace uniformly dark brown. Chelicerae dark brown, distally lighter. Pedipalps dark brown with dorsal longitudinal stripe slightly lighter. Labium and endites dark brown. Sternum dark brown with dark orange margins. Legs: femora and patellae dark brown with dorsal longitudinal stripe slightly lighter, rest of leg uniformly brown. Abdomen dark gray with very faint pattern of short, narrow yellow dashes. Total length 4.90. Carapace domed, 2.60 long, 2.30 wide. Eye diameters: PME 0.16, ALE 0.18, PLE 0.18. Lateral eyes on tubercle. Chelicerae with subapical hyaline keel and 6 conspicuous stridulatory ridges. Labium 0.24 long, 0.44 wide. Sternum 1.58 long, 1.00 wide. Leg measurements: I: femur 3.00/ patella 0.60/ tibia 3.10/ metatarsus 3.30/ tarsus 0.90/ total 10.90; II: 2.60/ 0.60/ 2.50/ 2.80/ 0.70/ 9.20; III: 2.00/ 0.60/ 1.60/ 2.00/ 0.60/ 6.80; IV: 2.70/ 0.60/ 2.80/ 2.70/ 0.70/ 9.50. Palpal femur with stridulatory pick short, stout, on triangular, projected socket. Epigynum with large, rounded foveas and positioning ridges separated from epigynal pouch by at

least half their length (Fig. 81). Vulva with two pairs of spermathecae, anteriors very large, curved, with inconspicuous stalk, posteriors small, rounded, on long, slender, sinuous stalk (Fig. 82). Abdomen 2.30 long, 1.90 wide, covered with slender hairs.

VARIATION: Three females. Total length: 4.90-5.40; Carapace: 2.40-2.70; femur I: 3.00-3.20.

DISTRIBUTION: Mexico, state of Sinaloa.

ADDITIONAL MATERIAL EXAMINED: None.

Scytodes chiconahui sp. n.

Figs. 83-84

TYPES. Female holotype from 80 miles N. Mazatlan, on Microondas Road, Sinaloa, Mexico, 21.V.1982, F. Coyle coll. (MCZ 54564). Paratypes: 2f, Rio Cosala, 2 miles S.E. Agua Nueva (24°03'N; 106°49'W), Sinaloa, Mexico, 16.V.1963, W.J. Gertsch & W. Ivie coll. (AMNH); 1f, Culiacancito (24°50'N; 107°32'W), Sinaloa, Mexico, 16.V.1963, W.J. Gertsch & W. Ivie coll. (AMNH); 1f, 5 km S. Tabacal, Sinaloa, Mexico, 18.VIII.1976, E.S. Ross coll (CAS); 1f, San Blas, Nayarit, 17-21.IX.1953, B. Malkin coll. (AMNH).

ETYMOLOGY: The specific name is a noun in apposition taken from Aztec mythology. Chiconahui is believed to be the hearth-goddess and guardian of the household.

DIAGNOSIS: The females of *Scytodes chiconahui* sp. n. are distinguished from the remaining *Scytodes* by the extremely large foveas and very slender positioning ridges (Fig. 83).

DESCRIPTION

Male. Unknown.

Female. (Holotype – Sinaloa, Mexico). Carapace dark brown, darker at center. Chelicerae dark brown distally pale yellow. Pedipalps and legs with femora dark brown, dorsally slightly orange with longitudinal brown stripe, rest of leg dark orange. Labium dark brown, distally lighter. Endites dark brown, lighter at base. Sternum dark brown with orange margins. Abdomen gray. Total length 6.10. Carapace domed, 3.00 long, 2.30 wide. Eye diameters: PME 0.14, ALE 0.14, PLE 0.14. Lateral eyes on tubercle. Chelicerae with subapical hyaline keel and 7 conspicuous stridulatory ridges. Labium 0.32 long, 0.54 wide. Sternum 1.60 long, 1.06 wide. Leg measurements: I: femur 3.50/ patella 0.70/ tibia 3.40/ metatarsus 3.90/ tarsus 0.90/ total 12.40; II: 2.80/ 0.70/ 2.70/ 3.20/ 0.80/ 10.20; III: 2.10/ 0.60/ 1.70/ 2.10/ 0.70/ 7.20; IV: 3.00/ 0.70/ 2.90/ 3.00/ 0.80/ 10.40. Palpal femur with stridulatory pick short, stout, on very projected socket. Epigynum with small epigynal pouch and slender positioning ridges set very close together (Fig. 83). Vulva with two pairs of spermathecae, anteriors larger with thicker stalks (Fig. 84). Abdomen 3.10 long, 2.50 wide, covered with slender hairs.

VARIATION: Five females: total length: 4.80-6.90; carapace: 2.30-3.20; femur I: 2.70-3.50.

DISTRIBUTION: Mexico, states of Sinaloa and Nayarit.

ADDITIONAL MATERIAL EXAMINED: None.

Scytodes nanahuatzin sp. n.

Figs. 85-87

TYPES: Female holotype from 15-20 km E Baviacora, Sonora, México, 6.VIII.1983, V.B. Roth coll., deposited in AMNH. Paratypes: 1f, San Pedro Bay, Baja California, Mexico, 7.VII.1921, J.C. Chamberlin coll. (AMNH).

ETYMOLOGY: The specific name is a noun in apposition taken from Aztec mythology. Nanahuatzin is believed to be the god who sacrificed himself in a fire so that the sun should continue to shine over the world.

DIAGNOSIS: The females of *Scytodes nanahuatzin* sp. n. are distinguished from the remaining *Scytodes* by the foveas, set close to the spinnerets (Fig. 86).

DESCRIPTION:

Male. Unknown.

Female. (AMNH – Baviacora, Sinaloa). Carapace orange with dark brown pattern. Chelicerae brown, distally orange. Pedipalps brown. Femora and patellae brown with dorsal longitudinal orange stripe, tibiae brown, with dorso-lateral orange stripes. Labium brown, medially orange. Endites orange, distally brown. Sternum orange with darker margins, brown marks in front of each coxae, extending toward the center, where merging into one large median stain. Legs orange, except femora brown with dorsal longitudinal orange stripe, patellae ventrally brown. Abdomen gray (Fig. 85). Total length 4.30. Carapace domed, 2.30 long, 2.00 wide. Eye diameters: PME 0.12, ALE 0.12, PLE 0.12. Lateral eyes on tubercle. Chelicerae with subapical hyaline keel and four very conspicuous stridulatory ridges. Labium 0.36 long, 0.44 wide. Sternum 1.20 long, 0.86 wide. Leg measurements: I: femur 2.10/ patella 0.50/ tibia 2.20/ metatarsus 2.30/ tarsus 0.70/ total 7.80; II: 1.70/ 0.50/ 1.70/ 1.80/ 0.70/ 6.40; III: 1.30/ 0.50/ 1.20/ 1.30/ 0.60/ 4.90; IV: 2.00/ 0.50/ 2.00/ 1.90/ 0.60/ 7.00. Palpal femur with stridulatory pick short, stout, on projected socket. Vulva with two pairs of oval spermathecae, posteriors larger, on thicker stalks (Fig. 89). Abdomen 4.00 long, 2.50 wide, covered with slender hairs.

VARIATION: Two females: total length: 4.10 – 4.30; carapace: 2.10 – 2.30; femur I: 2.00 – 2.10.

DISTRIBUTION: Mexico, states of Sonora and Baja California.

ADDITIONAL MATERIAL EXAMINED: Nine immatures in the same vial as holotype.

Scytodes tezcatlipoca sp. n.

Figs. 88-89

TYPES: Female holotype from Arroyo Santiago, 3 miles N.W. Jesus Maria, Nayarit, Mexico, 4-6.VII.1955, B. Malkin coll., deposited in AMNH. Paratypes: 1f, La Mesa de Nayarit, Nayarit, Mexico, 16-21.VII.1955, B. Malkin coll. (AMNH); 1f, Arroyo Canaveral, Nayarit, Mexico, 16.VII.1955, B. Malkin coll. (IBSP 46802); 1f, 25 km W. San Juan Capistrano (23°40'N; 104°20'W),

Zacatecas, Mexico, 7.IX.1984, W.J. Pulawski coll. (CAS).

ETYMOLOGY: The specific name is a noun in apposition taken from Aztec mythology. Tezcatlipoca was the Aztec lord of the world and the natural forces, appearing most frequently as a magician, a shape shifter and a god of mysterious powers.

DIAGNOSIS: The females of *Scytodes tezcatlipoca* sp. n. are distinguished from the remaining *Scytodes* by the curved positioning ridges separated from each other by at least ten times their width and by the large triangular epigynal pouch (Fig. 88).

DESCRIPTION:

Male. Unknown.

Female (AMNH - La Mesa de Nayarit, Nayarit, Mexico). Carapace very dark brown, slightly lighter at center around longitudinal dark brown stripe. Chelicerae dark brown, distally yellow. Pedipalps dark brown, dorsally slightly orange with longitudinal brown stripe. Labium and endites dark brown, distally cream colored. Sternum dark brown with dark orange margins. Legs with femora dark brown, dorsally slightly orange with longitudinal brown stripe, rest of leg dark orange. Abdomen uniformly gray. Total length 7.10. Carapace domed, 3.10 long, 2.70 wide. Eye diameters: PME 0.16, ALE 0.18, PLE 0.18. Lateral eyes on tubercle. Chelicerae with subapical hyaline keel and five conspicuous stridulatory ridges. Labium 0.40 long, 0.56 wide. Sternum 1.70 long, 1.06 wide. Leg measurements: I: femur 3.30/ patella 0.60/ tibia 3.30/ metatarsus 3.70/ tarsus 0.90/ total 11.80; II: 2.80/ 0.60/ 2.70/ 3.10/ 0.80/ 10.00; III: 2.30/ 0.60/ 1.70/ 2.20/ 0.80/ 7.60; IV: 2.80/ 0.60/ 2.90/ 2.90/ 0.80/ 10.00. Palpal femur with stridulatory pick short, stout, on projected socket. Vulva with two pairs of oval spermathecae, posteriors larger, on thicker stalks (Fig. 89). Abdomen 4.00 long, 2.50 wide, covered with slender hairs.

VARIATION: Six females. Total length: 6.40-7.10; carapace: 2.50-3.40; femur I: 3.00-3.70.

DISTRIBUTION: Mexico, states of Nayarit and Zacatecas.

ADDITIONAL MATERIAL EXAMINED: MEXICO. Nayarit: Arroyo Canaveral, 1f, 15.VII.1955, B. Malkin coll. (AMNH), 1f, 16.VII.1955, B. Malkin coll. (AMNH).

Scytodes lugubris (Thorell, 1887)

Figs. 90-93

* *Dictis lugubris* Thorell, 1887: 86 (female holotype from Myanmar, should be deposited in Museo Civico di Storia Naturale G. Doria, not examined).

* *Scytodes lugubris*: Kulczyn'ski, 1911: 456, pl. 21, f. 6, 9; Lessert, 1939: 11, f. 19-22; Bonnet, 1958: 3986; Brignoli, 1976: 174, figs. 105, 111, 114-115; Platnick, 2006.

DIAGNOSIS: The males of *Scytodes lugubris* Thorell are distinguished from the remaining *Scytodes* by the very long, cylindrical and slender distal area of the palp (Fig. 21) with small prolateral projection and distal hyaline membrane (Figs. 90-91). The females are distinguished

by the T-shaped sclerotized area with a small projection at the base and inconspicuous spermathecae (Fig. 93).

DESCRIPTION:

Male (AMNH – Valles, San Luis Potosí, México). Carapace dark orange, lighter at center, with very faint pattern of median longitudinal brown stripe and pair of posterior V-shaped brown stripes. Chelicerae dark orange. Pedipalps and legs orange. Labium and endites orange, distally cream colored. Sternum pale orange with darker margins. Abdomen absent. Carapace slightly domed, 3.10 long, 2.50 wide. Eye diameters: PME 0.16, ALE 0.16, PLE 0.16. Lateral eyes on tubercle. Chelicerae with subapical hyaline keel and inconspicuous stridulatory ridges. Labium 0.26 long, 0.36 wide. Sternum 1.56 long, 1.10 wide. Leg measurements: I: femur 4.40/ patella 0.80/ rest of leg absent; II: femur 3.20/ patella 0.80/ tibia 3.30/ rest of leg absent; III: femur 2.50/ patella 0.80/ tibia 2.20/ rest of leg absent; IV: femur 3.60/ patella 0.80/ tibia 3.40/ metatarsus 3.60/ rest of leg absent. Palpal femur with stridulatory pick long, slender, on slightly projected socket. Cymbium with one very large and strong distal spine (Fig. 22). Bulb 0.86 long (Figs. 20, 90-91). Abdomen lacking.

Female (AMNH – Valles, San Luis Potosí, México). Coloration as in male but darker. Abdomen uniformly gray. Total length 8.30. Carapace domed, 4.20 long, 3.20 wide. Eye diameters: PME 0.14, ALE 0.14, PLE 0.16. Lateral eyes on tubercle. Chelicerae as in male. Labium 0.40 long, 0.54 wide. Sternum 1.86 long, 1.28 wide. Leg measurements: I: femur 3.70/ patella 0.90/ tibia 4.00/ metatarsus 4.80/ rest of leg absent; II: femur 2.90/ patella 0.90/ tibia 2.70/ metatarsus 2.80/ tarsus 0.50/ total 9.80; III: 2.70/ 0.90/ 2.20/ 2.50/ 0.60/ 8.90; IV: 3.20/ 0.90/ rest of leg absent. Palpal femur as in male. Epigynum with large positioning ridges with irregular borders, separated from each other by three times their width (Fig. 92). Abdomen 4.10 long, 3.70 wide, covered with slender hairs.

VARIATION: Four females: total length: 5.40-8.30; carapace: 3.00-4.10; femur I: 3.10-3.70.

DISTRIBUTION: Pantropical, here recorded for the first time in the Neotropical region.

ADDITIONAL MATERIAL EXAMINED: MEXICO. *San Luis Potosí*: Valles, Hotel Covadonga, 1m 4f, 1963, L. Steude coll. (AMNH).

Scytodes univittata Simon, 1882

* *Scytodes univittata* Simon, 1882: 242 (holotype f from Ta'izz, Yemen, deposited in MNHN, not examined) Bonnet, 1958: 3993; Brescovit & Rheims, 2000; Platnick, 2006.

* *Scytodes perfecta* Banks, 1898: 210, pl. 13, fig. 2 (syntype f from San Jose del Cabo, Baja California, Mexico, deposited in MCZ 22610, examined) Bonnet, 1958: 3988; Platnick, 2006. **New synonymy**

* *Scytodes poenitens* Chamberlin, 1924: 592 (juvenile holotype from San Marcos Island, California, USA, deposited in CAS, examined) Bonnet, 1958: 3988; Platnick, 2006. **New synonymy**

NOTE: For complete synonymic list see Platnick (2006).

SYNONYMIES: The synonymy of *Scytodes perfecta* Banks with *S. univittata* Simon was based on the comparison of the type specimens. The synonymy of *S. poenitens* Chamberlin was based on the comparison of the holotype and several juvenile specimens from the same vial as the adults.

DISTRIBUTION: Pantropical.

NEW RECORDS: MEXICO. *Baja California*: Algodones, 1f 1 juv., 6.III.1937, Cockerell coll. (AMNH); *Baja California Sur*: La Paz, 1m 1f 1 juv., 2-3.II.1966, V. Roth coll. (AMNH), 1m, 4.II.1966, V. Roth coll. (AMNH), E La Paz, 2f 2 juvs., 8.IX.1963, W. Hill, B. Llanes, P.R. & D.L. Craig colls. (CAS); *Nuevo Leon*: Monterrey, 1f, 15.IV.1938, L.I. Davis & B. Brown colls. (AMNH); *Sonora*: Guaymas, 3.XI.1944, M. Cárdenas coll. (AMNH).

Scytodes championi F.O. Pickard-Cambridge, 1899

* *Scytodes championi* F.O. Pickard-Cambridge, 1899: 51 (male lectotype and female paralectotype from Chiriquí, Panama, deposited in BMNH, not re-examined); Roewer, 1942: 329; Valerio, 1981: 87, Figs. 7-9; Brescovit & Rheims, 2001: 313, figs. 1, 2, 13-17; Platnick, 2006.

DISTRIBUTION: Central America and Northern South America.

NEW RECORDS: MEXICO. Veracruz: La Buena Ventura, 1m, VII.1909, A. Petrunkevitch coll. (AMNH).

Scytodes fusca Walckenaer, 1837

* *Scytodes fusca* Walckenaer, 1837: 272 (Male and female syntypes from Cayenne, French Guyana, deposited in MNHN, lost, not examined); Roewer, 1942: 323; Bonnet, 1958: 3982; Valerio, 1981: 83; Brescovit & Rheims, 2000: 323, figs. 5-8; Platnick, 2006.

NOTE: For complete synonymic list see Platnick (2006).

DISTRIBUTION Pantropical.

NEW RECORDS: MEXICO. *Baja California Sur*: San Jose del Cabo, 2f, N. Banks coll. (MCZ 54606); *Campeche*: Calakmul, 1f, IV.1998, Erika coll. (CNAM), 1km W Calakmul ruins (18°21'N; 89°53'W, 204m), 1f, 23.VII.1998, M. Lira, J. Castello, A. Gabriel & F. Alvarez colls. (CNAM), San Jose, 3f 1juv., XII.1946, H. Wagner coll. (AMNH); *Chiapas*: 15 miles NW Arriaga (16°25'N; 94°01'W), 1m5f 2 juvs., 27.VIII.1966, J. & W. Ivie colls. (AMNH), Finca Santa Marta, near Huehuetan, 3f, 31.VII.1950, C. & M. Goodnight colls. (AMNH), La Buena Ventura, 1f (AMNH), Mapastepec, 1f 1juv., III.1941, H. Wagner coll. (AMNH), Palenque, 2m2f 2 juvs., 24-25.VIII.1977, T.C. Meilke & C.E. Griswold colls. (CAS), Tapachula, Cantón La Joya, 1f, 30.VII.1995, J.A. Garcia B. (ECOSUR), Tapachula, F. Irlanda, 1f, 17.V.1994, M.A. Moreno P. (ECOSUR), Tapachula, 1m, 19.II.2002, G. Ibarra-Nuñez coll. (ECOSUR), 1m,

28.IV.1993, G. Ibarra-Nuñez coll. (ECOSUR), Tuxtla Gutierrez (1750 ft.), 1f, 27.VIII.1977, T.C. Meilke & C.E. Griswold colls. (CAS); *Colima*: 1 mile E. Colima, 1m 1f, 28.VIII.1965, R. Hastings coll. (AMNH), Santiago, N.W. Manzanillo (19°07'N; 104°23'W), 2m3f 4juvs., 11.V.1963, W.J. Gertsch & W. Ivie coll. (AMNH); *Distrito Federal*: 1f, 1940, H. Wagner coll. (AMNH); *Guerrero*: Acapulco, 1f 2 juvs., 18.XII.1949, S. Jones coll. (MCZ 54600), 4 miles W. Cacahuamilpa (18°41'N; 99°34'W), 1f, 3.IX.1966, J. & W. Ivie colls. (AMNH), 23 miles Chilpancingo, 1f, 31.VII.1956, W.J. Gertsch & V. Roth colls. (AMNH), 7 miles S. Chilpancingo, 1m1f, 29.VII.1956, W.J. Gertsch & V. Roth colls. (AMNH), 35 miles S. Cuernavaca, 1f, 25.VII.1973, L.R. Erickson & M.E. Soleglad (AMNH), Taxco, 1f, 28.VII.1956, W.J. Gertsch & V. Roth colls. (AMNH), 4f, 28.VII.1956, W.J. Gertsch & V. Roth colls. (AMNH); *Jalisco*: Puerto Vallarta, 2m 3f, VIII-IX.1957, J.A. Comstock coll. (AMNH), El Limón, San Buenaventura (19°45'N; 104°03'W, 840m), 1f, 3.X.1997, F. Alvarez & J. Castello colls. (CNAM), 6.5 km SW Tonaya, Amacuahutitlan (19°48'N; 104°01'W, 900m), 1f, 5.III.1997, F. Alvarez & J. Castello colls. (AMNH); *Nayarit*: Jalisco, 1m, 27.VII.1954, W.J. Gertsch coll. (AMNH), 1f, 1956, Keef coll. (AMNH), San Blas, 1m, 6.VIII.1947, B. Malkin, C. & M. Goodnight colls. (AMNH); *Oaxaca*: Cuicatlán, Dominguillo (17°38'N; 96°54'W, 670m), 1f, 16.X.1998, (CNAM), 1f 1juv., 24.XI.1997 (CNAM); 1f 1juv., 24.V.1998 (CNAM); 1m 2f2juvs., 24.V.1998 (CNAM); 1f, 16.X.1998, (CNAM), all collected by F. Alvarez, J. Castelo & C. Durán-Barrón; 4 km SSE Cuicatlán, San Pedrito Chicozapote (17°46'N; 96°56'W, 670m), 1f (CNAM); 1f 1juv., 21.VIII.1998 (CNAM); 1f, 22.IV.1998, (CNAM), all collected by F. Alvarez, J. Castelo & C. Durán-Barrón; El Cartín (17°21'N; 96°57'W), 6f 2 juvs., 25.IV.1963, W.J. Gertsch & W. Ivie colls. (AMNH), 67 km NW Huitzo, 1f, 19.VIII.1998, S.A. Stockwell coll. (AMNH), Juan García (16°31'N; 95°47'W), 3f9 juvs., 1.IX.1964, J. & W. Ivie colls. (AMNH), Monte Alban, 7 miles W Monte Alban ruins (5200 ft.), 1f, 17.VIII.1977, T.C. Meilke & C.E. Griswold colls. (CAS), 4 km SW Pueblo Barra de La Cruz, Campamento Tortugero (15°49'N; 95°57'W), 1m, 18.IX.2000, E. Gonzales-S., O Delgado, J. Castelo, E. Lira, J. Lira & C. Durán-Barrón colls. (CNAM), San Filipe, 1f, 24.VIII.1947, H. Wagner (AMNH), San Geronimo, 1f (AMNH), Tolosa, 1m 1f, 23-30.VIII.1947, B. Malkin coll. (AMNH); Quintana Roo: San Juan, Cozumel, 1f, 7.VIII.1949, C. & M. Goodnight colls. (AMNH), Tulum, 1f, 8.XII.1973, S.C. Williams & C.L. Mullinex colls. (CAS), Xcaret, 1f, X.2000, Castello & Lira colls. (CNAM), 1f, X.2000, Castello & Lira colls. (CNAM); Sambora: Tehuantepec, Isthmus of Tehuantepec, 1m 5f 1 juv. (AMNH); San Luis Potosí: Sacatipan, N. Tamazunchale, 1m, 20.VII.1965, R.X. Schick & D. Schroeder colls. (AMNH), Tamazunchale, 1f, 27.IX.1939, C.M. Bogert & H.E. Vokes colls. (AMNH), Tamazunchale (21°15'N; 98°47'W), 2m 12f 5 juvs., 17.VIII.1964, J. & W. Ivie colls. (AMNH), (21°15'N; 98°48'W), 5m 16f 6 juvs., 19.IV.1963, W.J. Gertsch & W. Ivie colls. (AMNH), 6m 9f 4 juvs., 19.IV.1963, W.J. Gertsch & W. Ivie colls. (AMNH), 1f 7 juvs., 19.IV.1963, W.J. Gertsch & W. Ivie colls. (AMNH), 1 mile SW Tamazunchale (21°15'N; 98°49'W), 1m 5f 1 juv., 25.VII.1966, J. & W. Ivie colls. (AMNH), Tamuin Cave, 2f, 29.XII.1970 (AMNH), Valles, Hotel Covadonga, 3m 1f 2 juvs., 1961, L. Steude coll. (AMNH), 1f, 1961, L. Steude coll. (AMNH), Valles, 4m6f 7 juvs., 19.VII.1956, W.J. Gertsch & W. Ivie colls. (AMNH), near Valles, near Cueva de Los Sabinos, 1f 1 juv., 8.III – 4.IV.1946, B.J. Dontzin & E. Ruda colls. (AMNH); *Sinaloa*: Mazatlán, 1f, XII.1955, D. Verity coll. (AMNH), 15 miles N. Mazatlán, 1m, 26.VII.1964, W.J. Gertsch & J. Woods colls. (AMNH), 5m 8f 6 juvs., 26.VII.1964, W.J. Gertsch & J. Woods colls. (AMNH), Rosario (22°59'N; 105°51'W), 1m, 15.V.1963, W.J. Gertsch & W. Ivie colls. (AMNH); Tabasco: E. Frontera (18°36'N; 92°35'W), 1f 1 juv., 13.VIII.1966, J. & W. Ivie colls. (AMNH), Villahermosa, 1f 1 juv., 13.VIII.1966, J. & W. Ivie colls. (AMNH); *Tamaulipas*: Tampico, 1f, 1913, H.L. Locke coll. (MCZ 54605), Cueva, 2f, 14.XII.2000, Gabriel coll. (CNAM), Ciudad Madero, Las Charcas, 1f, 3.IV.2001, G.M. Parra (CNAM), near Forlon, Rio Gualolejo, 1f 4 juvs., 16.IV.1938, L.I. Davis & B. Brown colls. (AMNH); *Veracruz*: Ciudad Mendoza (18°49'N; 97°14'W), 1f, 4.VIII.1966, J. & W. Ivie colls. (AMNH), Coatzacoalcos (18°09'N; 94°26'W), 1f 6 juvs., 11.VIII.1966, J. & W. Ivie colls. (AMNH), Fortín de Las Flores, 1m 1f, 26.VII - 12.VIII.1965, R.X. Schick & D. Schroeder colls. (AMNH), (18°54'N; 97°01'W), 7f, 4.VIII.1966, J. & W. Ivie colls. (AMNH), (18°53'N; 96°59'W), 6f 12 juvs., 25.IV.1963, W.J. Gertsch & W. Ivie colls. (AMNH), (18°54'N; 97°01'W), 1m, 4.VIII.1966, J. & W. Ivie colls. (AMNH), 1m 1f, 5.VIII.1966, J. & W. Ivie colls. (AMNH), 30 km S Jesus Carranza, Hacienda La Oaxaqueña, 1m 1f 3 juvs., 15.X.1939, C.M. Bogert & H.E. Vokes colls. (AMNH), La Buena Ventura, 2f (AMNH), Mantla, 1f, 2.VII.1946, H. Wagner coll. (AMNH), 1 km E Passo del Toro, Cueva del Infernillo, 1f 1 juv., 24.XII.1976, J. Reddell, C. Soileau, A. Grubbas & D. Mackenzie colls. (AMNH), Riachuelos, 1f, 22.V.1945, F. Bonet coll. (AMNH), Tres Valles, 1m 3 juvs., 24.VII.1946, H. Wagner coll. (AMNH), Tuxtilla, 1m 1f, 23.VII.1946, H. Wagner coll. (AMNH), Veracruz, 4f 1 juv., VII.1955, N.L.H. Krauss coll. (AMNH); Yucatán: 14 km S. Buenaventura, Cenote San Luis, 1f, 2.IV.1973, J. Reddell coll. (AMNH), Chichén Itzá, 1m, 16.VII.1952, J. & D. Pallister colls. (AMNH), Mayapán ruins, Cenote Ch'hem Mul, 1f 2 juvs., 24-26.IV.1973, Reddell, M. Butterwick, D. & M. Mackenzie colls. (AMNH), 2 km S Tecoh, Cuevas de Tzab-Nah, 2f, 1.X.1974, J. Reddell, D. Mackenzie & S. Wiley colls. (AMNH), Yuxche, 1f, 6.IX.1964, J.C. Pallister coll. (AMNH).

Scytodes longipes Lucas, 1844

* *Scytodes longipes* Lucas, 1844: 72 (holotype from México, deposited in MNHN, lost, not examined); F.O. Pickard-Cambridge, 1899: 50; Roewer, 1942: 323; Bonnet, 1958: 3985;

Valerio, 1981: 84; Brescovit & Rheims, 2000: 320, figs. 1-4, 9-10); Platnick, 2006.

NOTE: For complete synonymic list see Platnick, 2006.

DISTRIBUTION: Central and South America.

NEW RECORDS: MEXICO. Isla de Pinos, Sierra de las Casas, 1f, 16-18.VIII.1955, A.F. Archer coll. (AMNH); Veracruz: Mantla, 1m, 2.VII.1946, H. Wagner coll. (AMNH), Plan del Rio, 1f, 15.VIII.1942, M. Correa & M. Cárdenas colls. (AMNH).

***Scytodes vaurieorum* Rheims & Brescovit, 2001**

* *Scytodes vaurieorum* Brescovit & Rheims, 2001: 322, figs. 41-45 (Male holotype and female paratype from San Jeronimo, Guatemala, deposited in AMNH, not re-examined); Platnick, 2006.

DISTRIBUTION: Mexico and Guatemala.

NEW RECORDS: MEXICO. Chiapas: Tapachula, F. Hamburgo, 1f, 6.VI.1990, Ibarra, Garcia & Moreno colls.

(ECOSUR), F. Irlanda, 1m, 21.V.1992, M.A. Moreno P. coll. (ECOSUR), 1f, 19.IV.1994, G. Ibarra-Nuñez coll. (ECOSUR), 1f, 4.IV.1990, Ibarra, Garcia & Moreno colls. (ECOSUR), 1m, 21.IX.1993, M.A. Moreno P. coll. (ECOSUR), 1m, 17.V.1994, G. Ibarra-Nuñez coll. (ECOSUR), 1f, 14.VI.1994, M.A. Moreno P. coll. (ECOSUR), 1m, 20.IX.1989, G. Ibarra-Nuñez coll. (ECOSUR), 1m 1f 1 juv., 14.VI.1994, Ibarra, Garcia & Moreno colls. (ECOSUR).

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PLATE I ►

Figures 1-8: *Scytodes intricata* Banks: (1) male, stridulatory pick; (2) left palp, retrolateral view; *Scytodes itzli* sp. n.: (3) male, stridulatory pick; (4) left palp, prolateral view; (5) ditto, retrolateral view; (6) ditto, cymbium, distal area.; *Scytodes atlacoya* sp. n.: (7) male, left palp, prolateral view; (8) ditto, cymbium, distal area.

PLATE II ►►

Figures 9-16: *Scytodes atlacamani* sp. n.: (9) male, stridulatory pick; (10) left palp, prolateral view; (11) ditto, cymbium, distal area; *Scytodes alayoi* Alayón: (12) tibia I, retrolateral view; *Scytodes alayoi* Alayón: (13) male, left palp, retrolateral view; *Scytodes alcomitzli* sp. n.: (14) male, left palp, prolateral view; (15) ditto, retrolateral view; (16) ditto, distal area, dorsal view.

PLATE I

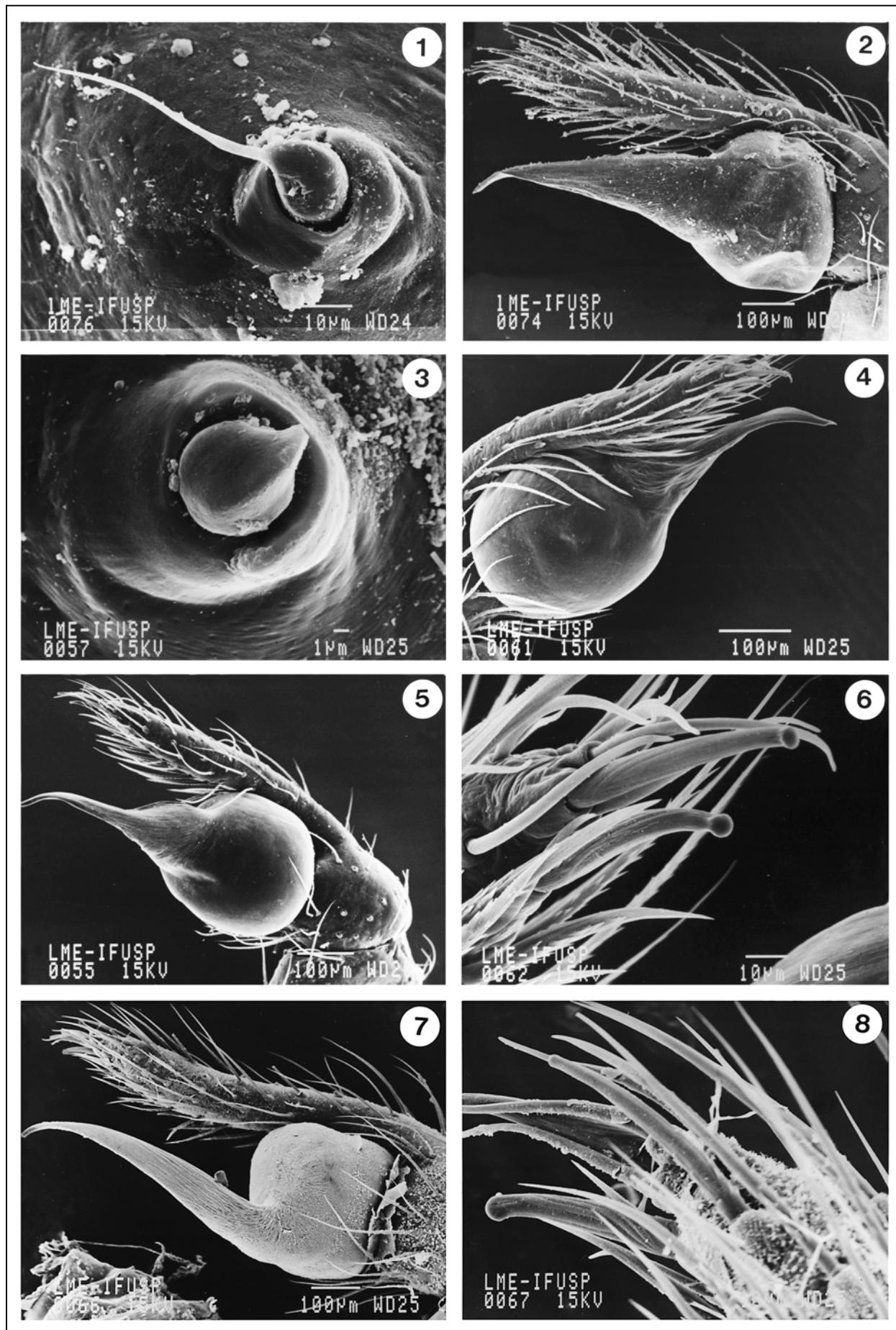


PLATE II

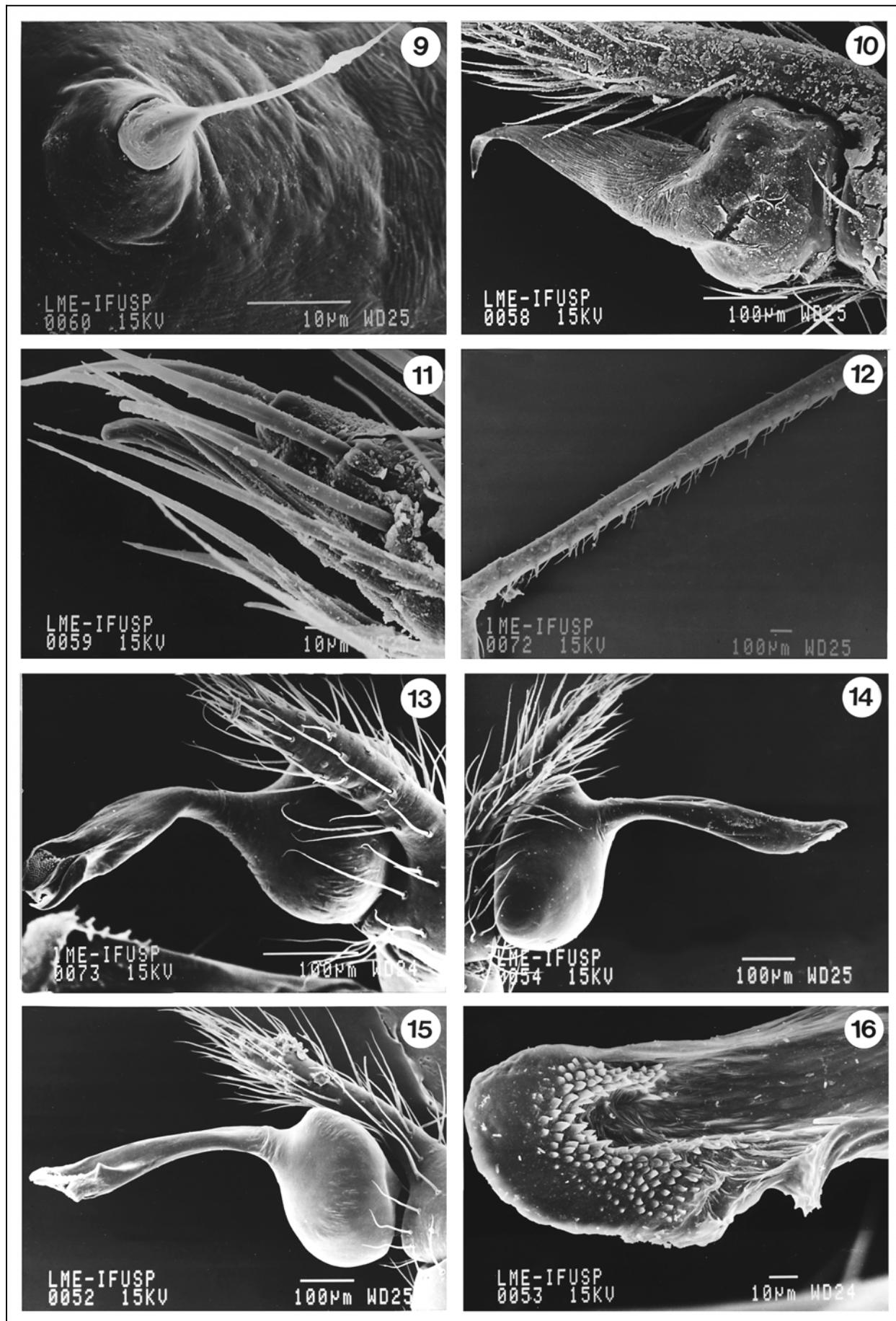
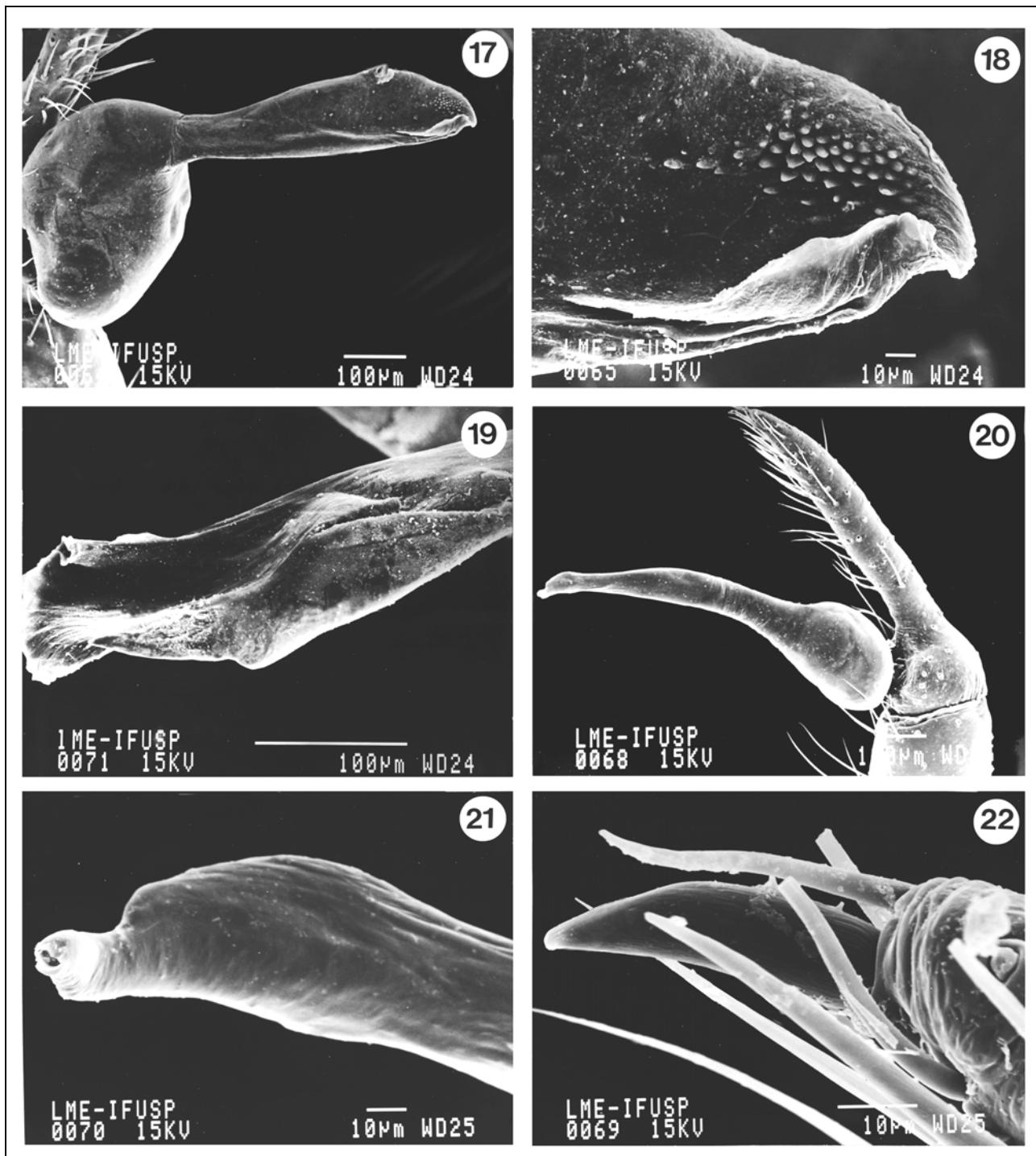
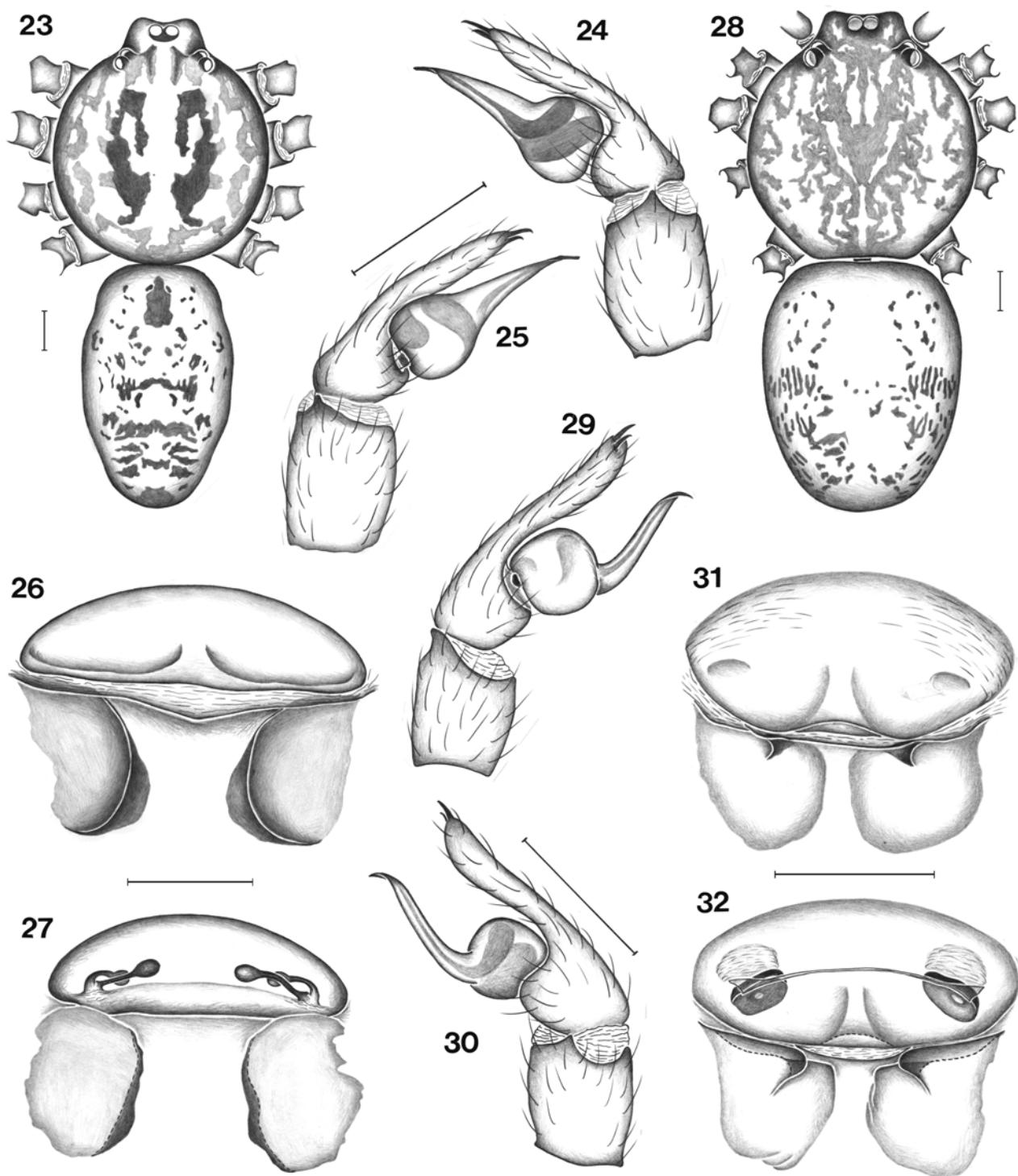


PLATE III



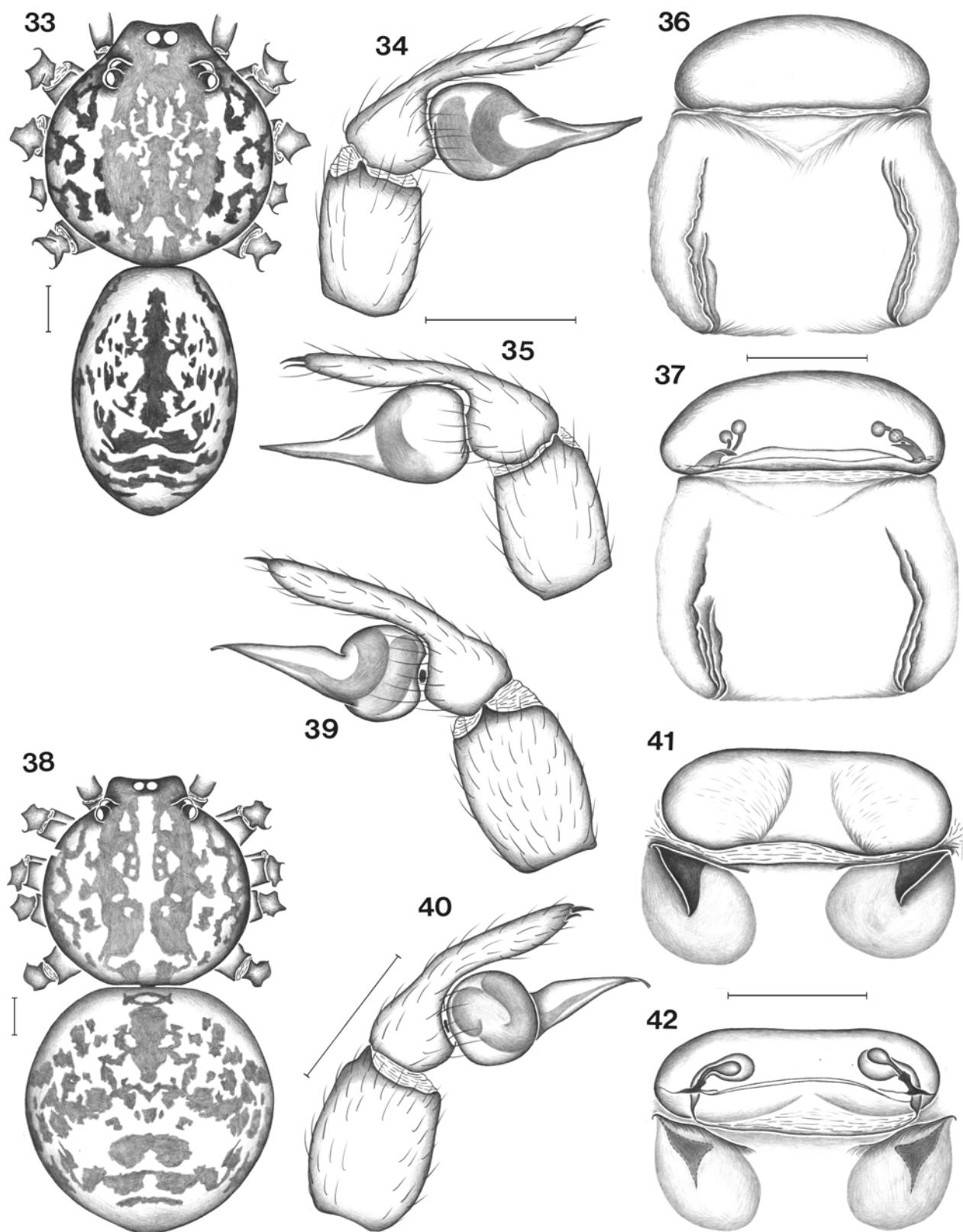
Figures 17-22: *Scytodes mayahuel* sp. n.: (17) male, left palp, prolateral view; (18) ditto, distal area; *Scytodes itzana* Chamberlin & Ivie: (19) male, left palp, distal area, retrolateral view; *Scytodes lugubris* (Thorell): (20) male, left palp, retrolateral view; (21) ditto, distal area; (22) ditto, cymbium, distal area.

PLATE IV



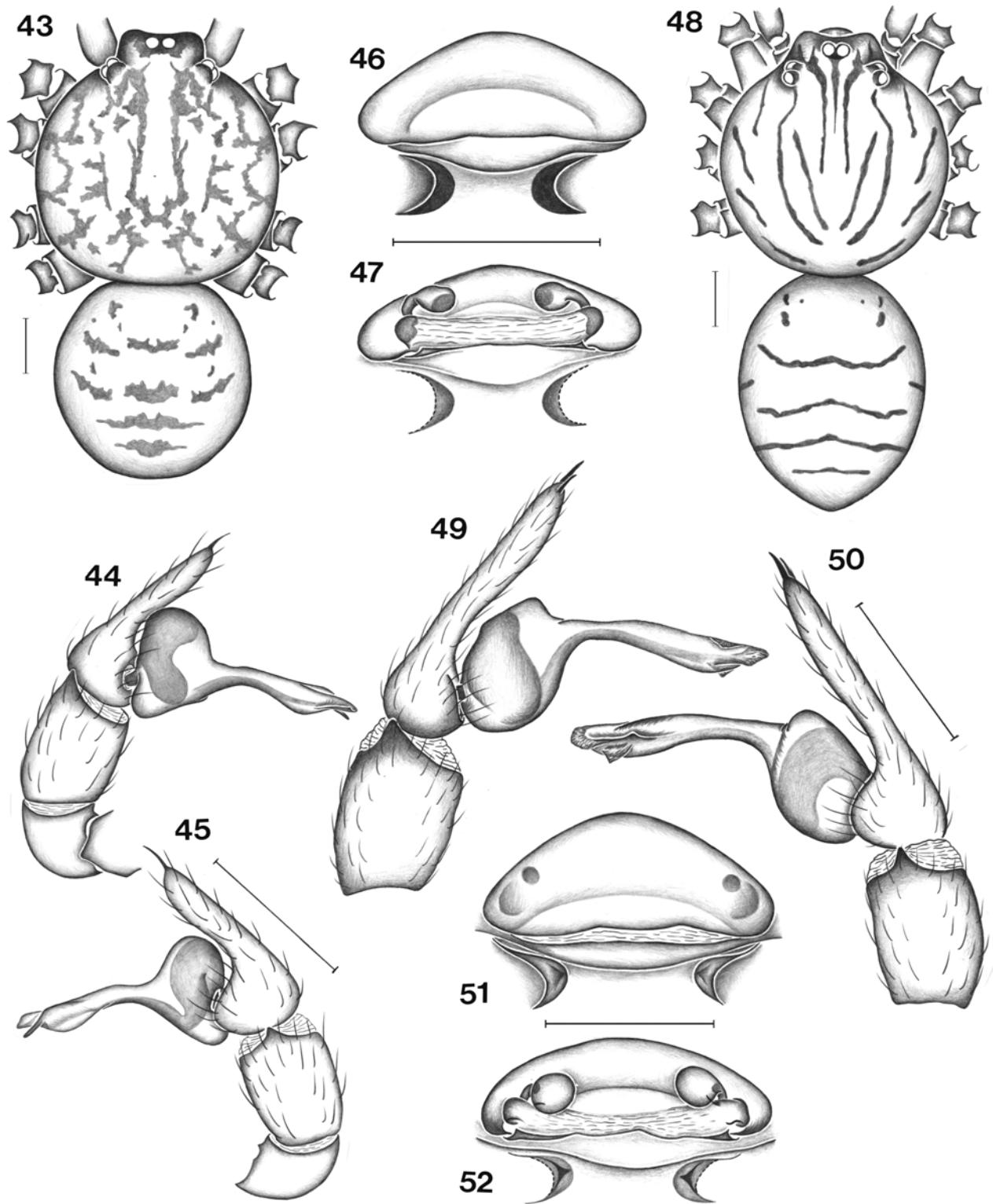
Figures 23-32: *Scytodes intricata* Banks: (23) male, body, dorsal view; (24) left palp, retrolateral view; (25) ditto prolateral view; (26) female, epigynum, ventral view; (27) ditto, dorsal view; *Scytodes atlacoya* sp. n.: (28) male, body, dorsal view; (29) left palp, prolateral view; (30) ditto, retrolateral view; (31) female, epigynum, ventral view; (32) ditto, dorsal view. Scale lines: 0.5 mm.

PLATE V



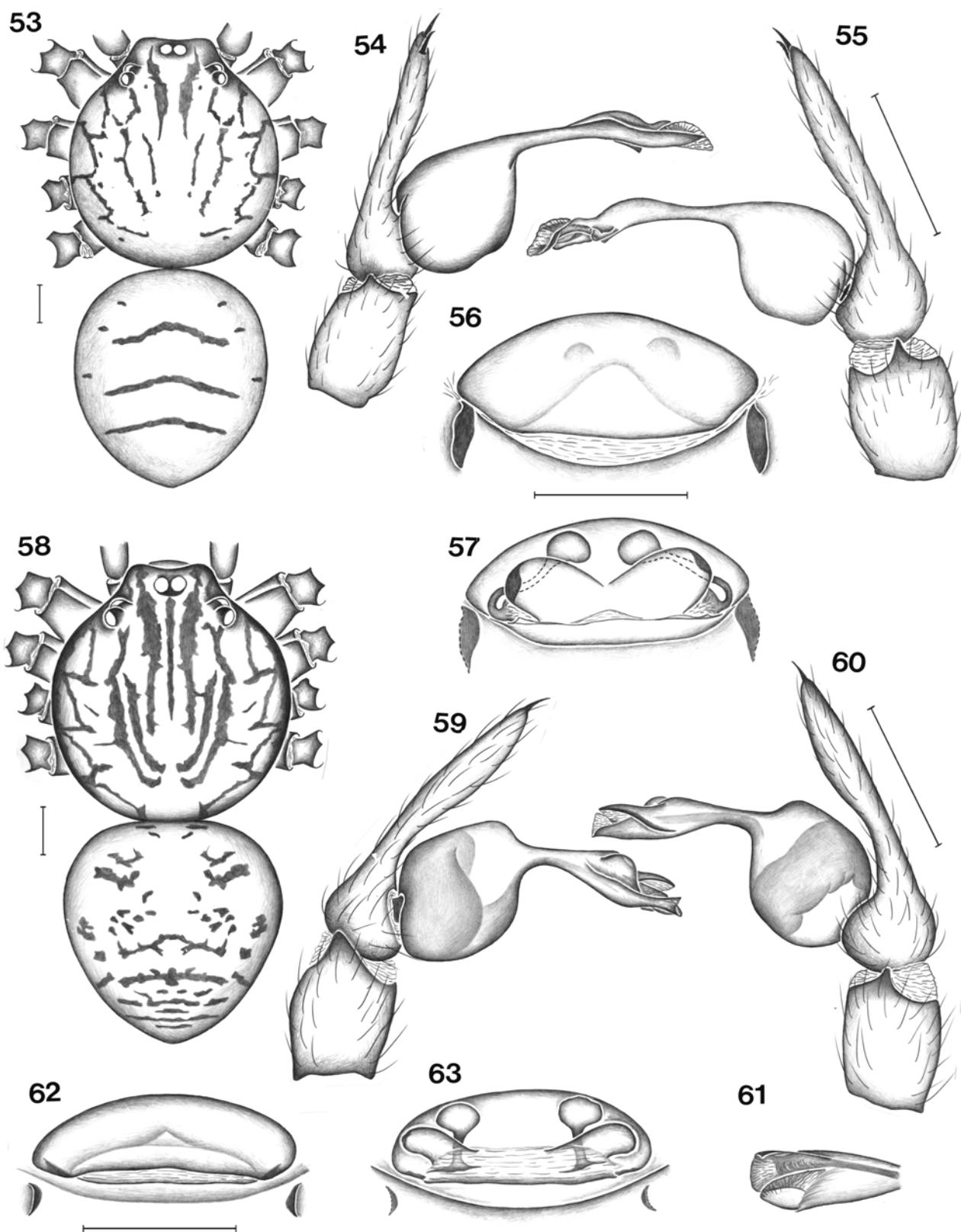
Figures 33-42: *Scytodes itzli* sp. n.: (33) male, body, dorsal view; (34) left palp, prolateral view; (35) ditto, retrolateral view; (36) female, epigynum, ventral view; (37) ditto, dorsal view; *Scytodes atlacamani* sp. n.: (38) male, body, dorsal view; (39) left palp, retrolateral view; (40) ditto prolateral view; (41) female, epigynum, ventral view; (42) ditto, dorsal view. Scale lines: 0.5 mm..

PLATE VI



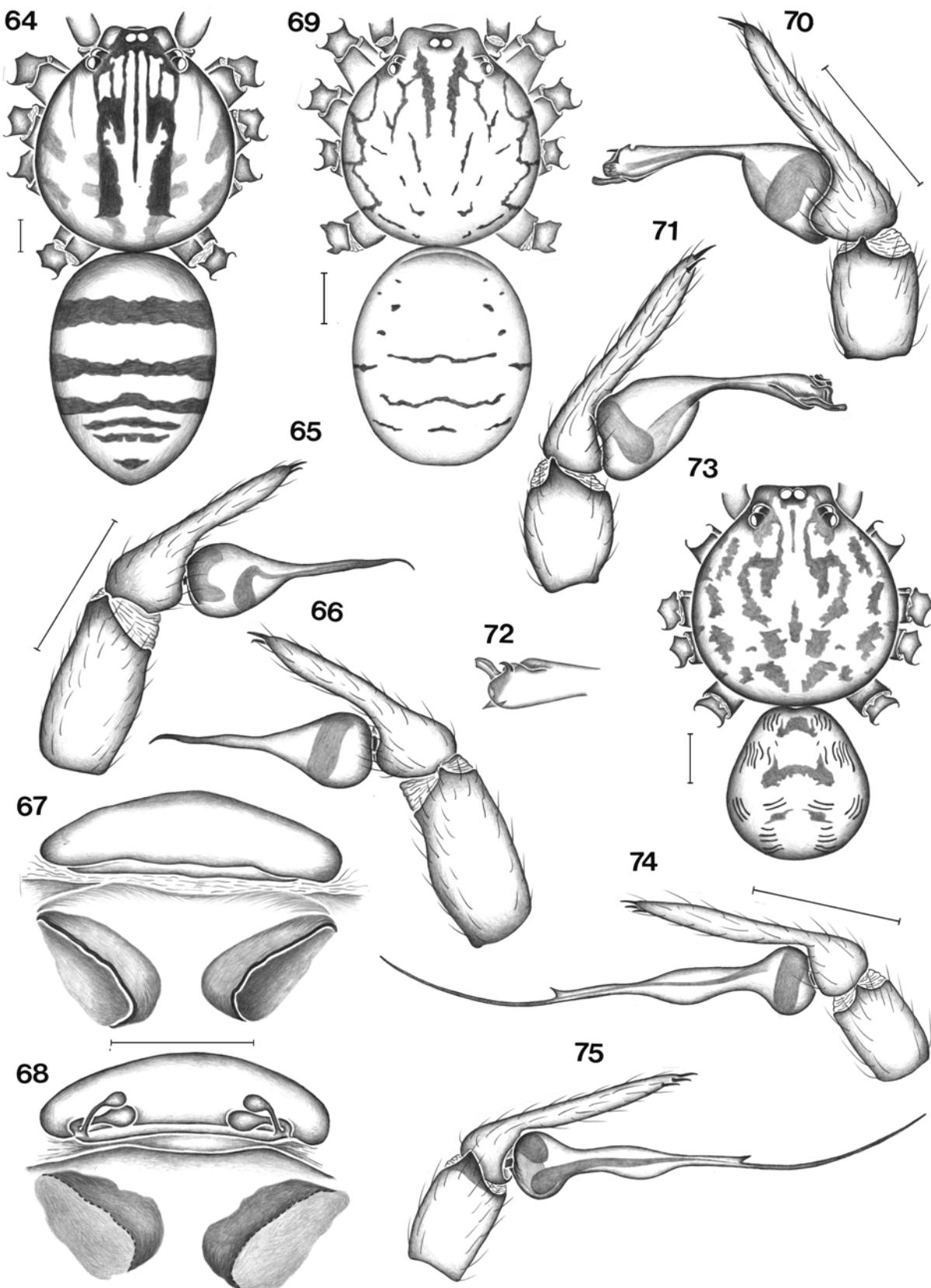
Figures 43-52: *Scytodes alayoi* Alayón: (43) male, body, dorsal view; (44) left palp, prolateral view; (45) ditto, retrolateral view; (46) female, epigynum, ventral view; (47) ditto, dorsal view; *Scytodes alcomitzli* sp. n.: (48) male, body, dorsal view; (49) left palp, prolateral view; (50) ditto, retrolateral view; (51) female, epigynum, ventral view; (52) ditto, dorsal view. Scale lines: 0.5 mm.

PLATE VII



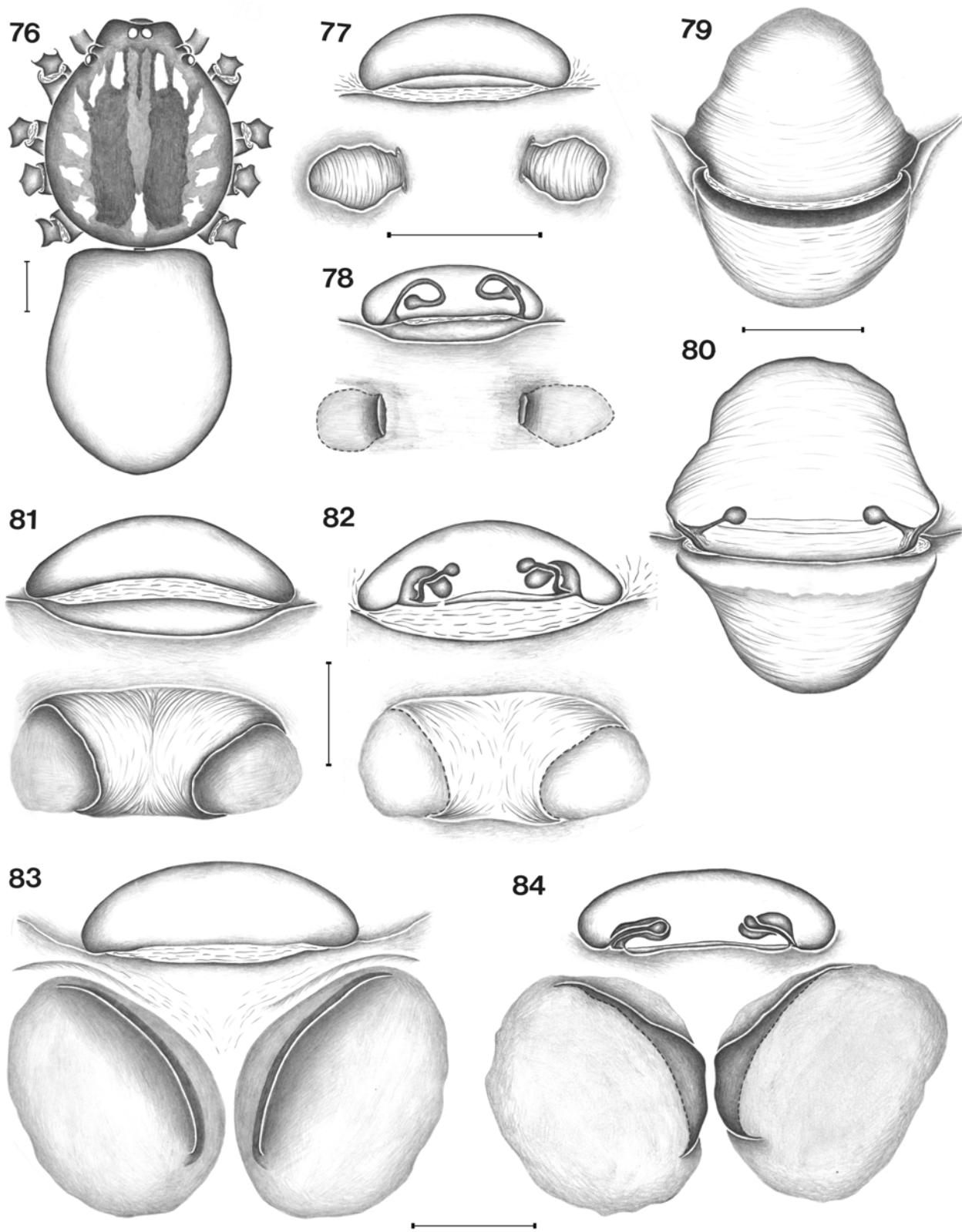
Figures 53-63: *Scytodes mayahuel* sp. n.: (53) male, body, dorsal view; (54) left palp, prolateral view; (55) ditto, retrolateral view; (56) female, epigynum, ventral view; (57) ditto, dorsal view; *Scytodes itzana* Chamberlin & Ivie: (58) male, body, dorsal view; (59) left palp, prolateral view; (60) ditto, retrolateral view; (61) ditto, distal area, dorsal view; (62) female, epigynum, ventral view; (63) ditto, dorsal view. Scale lines: 0.5 mm.

PLATE VIII



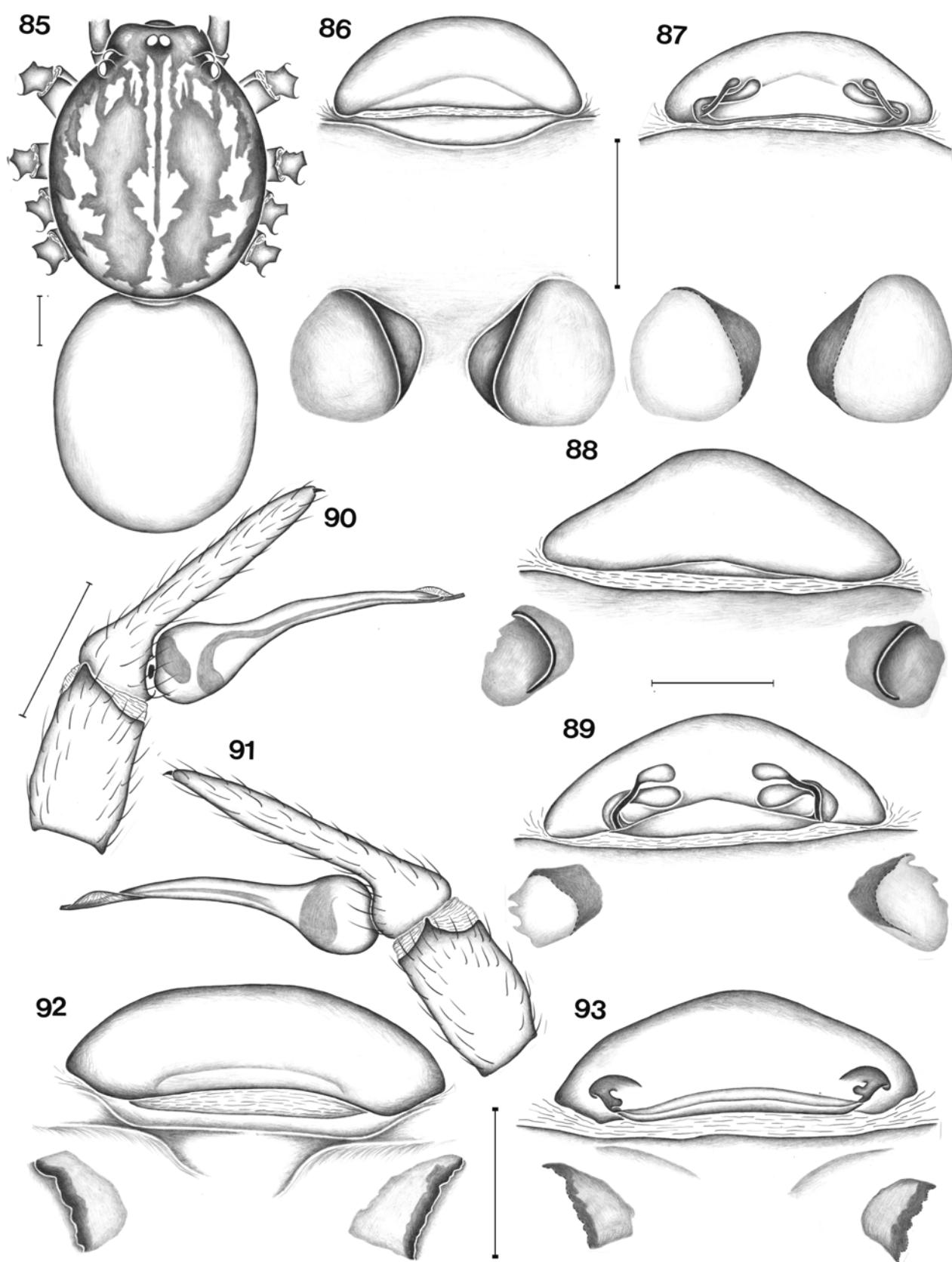
Figures 64-75: *Scytodes redempta* Chamberlin & Ivie: (64) male, body, dorsal view; (65) left palp, retrolateral view. (66) ditto, prolateral view; (67) female, epigynum, ventral view; (68) ditto, dorsal view; *Scytodes tlaloc* sp. n.: (69) male, body, dorsal view; (70) left palp, prolateral view; (71) ditto, retrolateral view; (72) ditto, distal area, dorsal view; *Scytodes chantico* sp. n.: (73) male, body, dorsal view; (74) left palp, prolateral view; (75) ditto, retrolateral view. Scale lines: 0.5 mm

PLATE IX



Figures 76-84: *Scytodes tzitzimime* sp. n.: (76) female, body, dorsal view; (77) epigynum, ventral view; (78) ditto, dorsal view; *Scytodes opoxli* sp. n.: (79) female, epigynum, ventral view; (80) ditto, dorsal view; *Scytodes atlantonin* sp. n.: (81) female, epigynum, ventral view; (82) ditto, dorsal view; *Scytodes chiconahui* sp. n.: (83) female, epigynum, ventral view; (84) ditto, dorsal view. Scale lines: 0.5 mm.

PLATE X



Figures 85-93: *Scytodes nanahuatzin* sp. n.: (85) female, body, dorsal view; (86) epigynum, ventral view; (87) ditto, dorsal view; *Scytodes tezcatlipoca* sp. n.: (88) female, epigynum, ventral view; (89) ditto, dorsal view; *Scytodes lugubris* (Thorell): (90) male, left palp, prolateral view; (91) ditto, retrolateral view; (92) female, epigynum, ventral view; (93) ditto, dorsal view. Scale lines: 0.5 mm.

